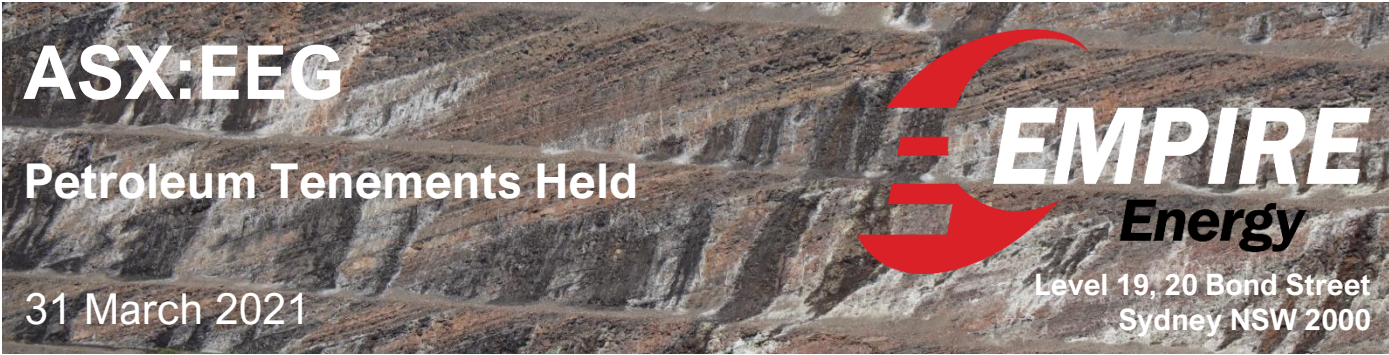




**ASX:EEG**

## **Petroleum Tenements Held**

31 March 2021



Level 19, 20 Bond Street  
Sydney NSW 2000

### **Petroleum Tenements Held**

Pursuant to ASX Listing Rules 5.37 and 5.4.3, Empire Energy Group Limited is required to provide a listing of petroleum tenements held by Empire Energy Group Limited and its subsidiaries.

Attached is a report listing all petroleum tenements held by Empire Energy Group Limited and its subsidiaries as at 31 December 2020. Given the size of the report (62 pages), Empire Energy Group Limited has elected to disclose this report as a separate announcement and will reference this announcement in Empire Energy Group Limited's future Annual and Quarterly Reports.

This ASX release has been authorised by the Managing Director.

For queries about this release, please contact:

Alex Underwood, Managing Director

Ph: (02) 9251 1846

[info@empiregp.net](mailto:info@empiregp.net)

### 31 December 2020 Imperial Oil & Gas Permits

| Lease | Holder             | Status      | Current Area | Area Units | SqKm  | Applied Date | Grant Date | Expiry Date | Next Renewal Due | Annual Reporting Due Date | Expenditure Report Due Date | Rent Due Date | Moratorium End Date                                  | Notes                                              |
|-------|--------------------|-------------|--------------|------------|-------|--------------|------------|-------------|------------------|---------------------------|-----------------------------|---------------|------------------------------------------------------|----------------------------------------------------|
| EP180 | Imperial Oil & Gas | Application | 199          | blocks     | 14810 | 12/04/10     | N/A        | N/A         | N/A              | N/A                       | N/A                         | N/A           | Negotiating period ended 31/10/18- consent re-issued | ALRA proposals lodged 04/02/19- now in negotiation |
| EP181 | Imperial Oil & Gas | Application | 182          | blocks     | 14423 | 12/04/10     | N/A        | N/A         | N/A              | N/A                       | N/A                         | N/A           | Negotiating period ended 31/10/18- consent re-issued | ALRA proposals lodged 04/02/19- now in negotiation |
| EP182 | Imperial Oil & Gas | Application | 172          | blocks     | 12502 | 12/04/10     | N/A        | N/A         | N/A              | N/A                       | N/A                         | N/A           | Negotiating period ended 31/10/18- consent re-issued | ALRA proposals lodged 04/02/19- now in negotiation |
| EP183 | Imperial Oil & Gas | Application | 22           | blocks     | 857   | 12/04/10     | N/A        | N/A         | N/A              | N/A                       | N/A                         | N/A           | Negotiating period ended 31/10/18- consent re-issued | ALRA proposals lodged 04/02/19- now in negotiation |
| EP184 | Imperial Oi & Gas  | Granted     | 173          | blocks     | 11170 | 12/04/10     | 21/08/13   | 20/08/20    | 20/05/20         | 17/09/20                  | 17/09/20                    |               | NA                                                   |                                                    |
| EP187 | Imperial Oil & Gas | Granted     | 52           | blocks     | 2988  | 12/04/10     | 20/03/15   | 19/03/22    | 19/12/21         | 17/02/21                  | 17/02/21                    |               | NA                                                   |                                                    |
| EP188 | Imperial Oil & Gas | Application | 27           | blocks     | 1448  | 12/04/10     | N/A        | N/A         | N/A              | N/A                       | N/A                         | N/A           | Ended 21/11/18- now in negotiation                   | ALRA proposals lodged 17/12/18- now in negotiation |
| EP319 | Imperial Oil & Gas | Application | 4            | blocks     | 88    | 12/04/10     | N/A        | N/A         | N/A              | N/A                       | N/A                         | N/A           | Ended 21/11/18- now in negotiation                   | ALRA proposals lodged 17/12/18- now in negotiation |
| EP320 | Imperial Oil & Gas | Application | 2            | blocks     | 4     | 12/04/10     | N/A        | N/A         | N/A              | N/A                       | N/A                         | N/A           | Ended 21/11/18- now in negotiation                   | ALRA proposals lodged 17/12/18- now in negotiation |
| EP321 | Imperial Oil & Gas | Application | 4            | blocks     | 7     | 12/04/10     | N/A        | N/A         | N/A              | N/A                       | N/A                         | N/A           | Ended 21/11/18- now in negotiation                   | ALRA proposals lodged 17/12/18- now in negotiation |
| EP322 | Imperial Oil & Gas | Application | 1            | blocks     | 10    | 12/04/10     | N/A        | N/A         | N/A              | N/A                       | N/A                         | N/A           | Ended 21/11/18- now in negotiation                   | ALRA proposals lodged 17/12/18- now in negotiation |
| EP323 | Imperial Oil & Gas | Application | 8            | blocks     | 287   | 12/04/10     | N/A        | N/A         | N/A              | N/A                       | N/A                         | N/A           | Ended 21/11/18- now in negotiation                   | ALRA proposals lodged 17/12/18- now in negotiation |
| EP324 | Imperial Oil & Gas | Application | 1            | blocks     | 4     | 12/04/10     | N/A        | N/A         | N/A              | N/A                       | N/A                         | N/A           | Ended 21/11/18- now in negotiation                   | ALRA proposals lodged 17/12/18- now in negotiation |
| EP325 | Imperial Oil & Gas | Application | 4            | blocks     | 31    | 12/04/10     | N/A        | N/A         | N/A              | N/A                       | N/A                         | N/A           | Ended 21/11/18- now in negotiation                   | ALRA proposals lodged 17/12/18- now in negotiation |
| EP326 | Imperial Oil & Gas | Application | 2            | blocks     | 23    | 12/04/10     | N/A        | N/A         | N/A              | N/A                       | N/A                         | N/A           | Ended 21/11/18- now in negotiation                   | ALRA proposals lodged 17/12/18- now in negotiation |

|       |                    |             |   |        |    |          |     |     |     |     |     |     |                                    |                                                    |
|-------|--------------------|-------------|---|--------|----|----------|-----|-----|-----|-----|-----|-----|------------------------------------|----------------------------------------------------|
| EP327 | Imperial Oil & Gas | Application | 2 | blocks | 6  | 12/04/10 | N/A | N/A | N/A | N/A | N/A | N/A | Ended 21/11/18- now in negotiation | ALRA proposals lodged 17/12/18- now in negotiation |
| EP328 | Imperial Oil & Gas | Application | 1 | blocks | 5  | 12/04/10 | N/A | N/A | N/A | N/A | N/A | N/A | Ended 21/11/18- now in negotiation | ALRA proposals lodged 17/12/18- now in negotiation |
| EP329 | Imperial Oil & Gas | Application | 1 | blocks | 15 | 12/04/10 | N/A | N/A | N/A | N/A | N/A | N/A | Ended 21/11/18- now in negotiation | ALRA proposals lodged 17/12/18- now in negotiation |
| EP330 | Imperial Oil & Gas | Application | 1 | blocks | 7  | 12/04/10 | N/A | N/A | N/A | N/A | N/A | N/A | Ended 21/11/18- now in negotiation | ALRA proposals lodged 17/12/18- now in negotiation |
| EP331 | Imperial Oil & Gas | Application | 1 | blocks | 8  | 12/04/10 | N/A | N/A | N/A | N/A | N/A | N/A | Ended 21/11/18- now in negotiation | ALRA proposals lodged 17/12/18- now in negotiation |
| EP332 | Imperial Oil & Gas | Application | 2 | blocks | 5  | 12/04/10 | N/A | N/A | N/A | N/A | N/A | N/A | Ended 21/11/18- now in negotiation | ALRA proposals lodged 17/12/18- now in negotiation |
| EP333 | Imperial Oil & Gas | Application | 1 | blocks | 7  | 12/04/10 | N/A | N/A | N/A | N/A | N/A | N/A | Ended 21/11/18- now in negotiation | ALRA proposals lodged 17/12/18- now in negotiation |
| EP334 | Imperial Oil & Gas | Application | 4 | blocks | 66 | 12/04/10 | N/A | N/A | N/A | N/A | N/A | N/A | Ended 21/11/18- now in negotiation | ALRA proposals lodged 17/12/18- now in negotiation |
| EP335 | Imperial Oil & Gas | Application | 4 | blocks | 6  | 12/04/10 | N/A | N/A | N/A | N/A | N/A | N/A | Ended 21/11/18- now in negotiation | ALRA proposals lodged 17/12/18- now in negotiation |
| EP336 | Imperial Oil & Gas | Application | 2 | blocks | 24 | 12/04/10 | N/A | N/A | N/A | N/A | N/A | N/A | Ended 21/11/18- now in negotiation | ALRA proposals lodged 17/12/18- now in negotiation |
| EP337 | Imperial Oil & Gas | Application | 2 | blocks | 12 | 12/04/10 | N/A | N/A | N/A | N/A | N/A | N/A | Ended 21/11/18- now in negotiation | ALRA proposals lodged 17/12/18- now in negotiation |
| EP338 | Imperial Oil & Gas | Application | 2 | blocks | 3  | 12/04/10 | N/A | N/A | N/A | N/A | N/A | N/A | Ended 21/11/18- now in negotiation | ALRA proposals lodged 17/12/18- now in negotiation |
| EP339 | Imperial Oil & Gas | Application | 2 | blocks | 2  | 12/04/10 | N/A | N/A | N/A | N/A | N/A | N/A | Ended 21/11/18- now in negotiation | ALRA proposals lodged 17/12/18- now in negotiation |
| EP340 | Imperial Oil & Gas | Application | 4 | blocks | 4  | 12/04/10 | N/A | N/A | N/A | N/A | N/A | N/A | Ended 21/11/18- now in negotiation | ALRA proposals lodged 17/12/18- now in negotiation |
| EP341 | Imperial Oil & Gas | Application | 2 | blocks | 25 | 12/04/10 | N/A | N/A | N/A | N/A | N/A | N/A | Ended 21/11/18- now in negotiation | ALRA proposals lodged 17/12/18- now in negotiation |
| EP342 | Imperial Oil & Gas | Application | 5 | blocks | 29 | 12/04/10 | N/A | N/A | N/A | N/A | N/A | N/A | Ended 21/11/18- now in negotiation | ALRA proposals lodged 17/12/18- now in negotiation |

31 December 2020 Empire USA Land Holdings

| Contracts/D |               |                        |            |        |        |        |            |                |                      |
|-------------|---------------|------------------------|------------|--------|--------|--------|------------|----------------|----------------------|
| State       | Contract Type | Operator               | Empire ID  | NRI    | WI     | Acres  | Maturity   | Status         | Formation            |
| NY          | Minerals      | Empire Energy E&P, LLC | 310030025  | 1.0000 | 1.0000 | 44.3   | N/A        | Fee            | All Horizons         |
| NY          | Minerals      | Empire Energy E&P, LLC | 310030026  | 1.0000 | 1.0000 | 9.3    | N/A        | Fee            | All Horizons         |
| NY          | Minerals      | Empire Energy E&P, LLC | 310030027  | 1.0000 | 1.0000 | 0.7    | N/A        | Fee            | All Horizons         |
| NY          | Minerals      | Empire Energy E&P, LLC | 310030033  | 1.0000 | 1.0000 | 16     | N/A        | Fee            | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090002  | 0.8488 | 1.0000 | 185.16 | 9/02/1985  | HBP, Producing | Below BTM Med Whirl  |
| NY          | O&G           | Empire Energy E&P, LLC | 310090003  | 0.8488 | 1.0000 | 127.85 | 13/10/1984 | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090004  | 0.8488 | 1.0000 | 55.83  | 16/08/1982 | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090005  | 0.8488 | 1.0000 | 241.04 | 12/09/1982 | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090006  | 0.8488 | 1.0000 | 73.3   | 5/01/1985  | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090011  | 0.8488 | 1.0000 | 255    | 18/06/1985 | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090014  | 0.8488 | 1.0000 | 335    | 28/03/1982 | HBP, Producing | Surface Top Queenstn |
| NY          | O&G           | Empire Energy E&P, LLC | 310090015  | 0.8488 | 1.0000 | 1.71   | 22/02/1992 | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090017  | 0.8488 | 1.0000 | 480    | 24/03/1982 | HBP, Producing | Surface Top Queenstn |
| NY          | O&G           | Empire Energy E&P, LLC | 310090018  | 0.8222 | 1.0000 | 7.13   | 12/12/1983 | HBP, Producing | Surface Top Queenstn |
| NY          | O&G           | Empire Energy E&P, LLC | 310090019  | 0.8222 | 1.0000 | 51.65  | 28/02/1982 | HBP, Producing | Surface Top Queenstn |
| NY          | O&G           | Empire Energy E&P, LLC | 310090020  | 0.8100 | 1.0000 | 320    | 28/02/1982 | HBP, Producing | Surface Top Queenstn |
| NY          | O&G           | Empire Energy E&P, LLC | 310090021  | 0.8222 | 1.0000 | 8.14   | 13/05/1983 | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090023  | 0.8222 | 1.0000 | 110    | 12/12/1983 | HBP, Producing | Surface Top Queenstn |
| NY          | O&G           | Empire Energy E&P, LLC | 310090024  | 0.8222 | 1.0000 | 917.35 | 13/09/1978 | HBP, Producing | Surface Top Queenstn |
| NY          | O&G           | Empire Energy E&P, LLC | 310090025  | 0.8488 | 1.0000 | 7.37   | 15/01/1985 | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090026  | 0.8488 | 1.0000 | 79.5   | 3/11/1983  | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090027  | 0.8488 | 1.0000 | 13.16  | 28/12/1982 | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090028  | 0.8222 | 1.0000 | 66.95  | 1/03/1982  | HBP, Producing | Surface Top Queenstn |
| NY          | O&G           | Empire Energy E&P, LLC | 310090029  | 0.8222 | 1.0000 | 106.9  | 26/10/1983 | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090030  | 0.8222 | 1.0000 | 189    | 1/03/1982  | HBP, Producing | Surface Top Queenstn |
| NY          | O&G           | Empire Energy E&P, LLC | 310090031  | 0.8222 | 1.0000 | 11.14  | 28/02/1982 | HBP, Producing | Surface Top Queenstn |
| NY          | O&G           | Empire Energy E&P, LLC | 310090032  | 0.8222 | 1.0000 | 201    | 9/03/1982  | HBP, Producing | Surface Top Queenstn |
| NY          | O&G           | Empire Energy E&P, LLC | 310090034  | 0.8222 | 1.0000 | 51.72  | 30/09/1982 | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090035  | 0.8488 | 1.0000 | 54     | 20/08/1982 | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090036  | 0.8488 | 1.0000 | 1.47   | 16/08/1984 | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090038  | 0.8488 | 1.0000 | 2      | 23/03/1987 | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090039  | 0.8488 | 1.0000 | 6.2    | 23/03/1987 | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090040  | 0.8488 | 1.0000 | 4.7    | 26/04/1987 | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090041  | 0.8488 | 1.0000 | 33.88  | 11/01/1986 | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090042  | 0.8488 | 1.0000 | 5.5    | 23/03/1987 | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090044  | 0.8222 | 1.0000 | 102.11 | 2/12/1983  | HBP, Producing | Surface Top Queenstn |
| NY          | O&G           | Empire Energy E&P, LLC | 310090045  | 0.8488 | 1.0000 | 3.36   | 24/05/1986 | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090047  | 0.8488 | 1.0000 | 130    | 9/02/1984  | HBP, Producing | Surface Top Queenstn |
| NY          | O&G           | Empire Energy E&P, LLC | 310090048  | 0.8488 | 1.0000 | 55.88  | 18/10/1984 | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090049  | 0.8488 | 1.0000 | 11.24  | 17/11/1985 | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090052  | 0.8488 | 1.0000 | 1.49   | 22/01/2002 | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090075  | 0.8184 | 1.0000 | 70     | 19/09/1990 | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090076  | 0.8488 | 1.0000 | 63     | 30/09/2000 | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090077  | 0.8488 | 1.0000 | 160    | 14/01/1993 | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090078  | 0.8488 | 1.0000 | 220    | 28/10/1994 | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090079  | 0.8488 | 1.0000 | 275    | 10/10/1990 | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090080  | 0.8488 | 1.0000 | 65.15  | 12/05/1991 | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090081  | 0.8488 | 1.0000 | 5.87   | 8/06/1991  | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090082  | 0.8488 | 1.0000 | 2.11   | 27/06/1991 | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090083  | 0.8488 | 1.0000 | 40     | 19/05/1991 | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090084  | 0.8488 | 1.0000 | 15     | 29/04/1991 | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090085  | 0.8488 | 1.0000 | 150.79 | 21/04/1991 | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090086  | 0.8488 | 1.0000 | 98     | 2/05/1991  | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090087  | 0.8488 | 1.0000 | 16.85  | 6/05/1991  | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090088  | 0.8488 | 1.0000 | 74     | 19/05/1982 | HBP, Producing | Surface BTM Queenstn |
| NY          | O&G           | Empire Energy E&P, LLC | 310090089  | 0.8488 | 1.0000 | 38     | 22/05/1982 | HBP, Producing | Surface BTM Queenstn |
| NY          | O&G           | Empire Energy E&P, LLC | 310090090  | 0.8488 | 1.0000 | 80.3   | 1/05/1991  | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090091  | 0.8488 | 1.0000 | 4      | 1/05/1991  | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090092  | 0.8488 | 1.0000 | 7      | 2/06/1991  | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090093  | 0.8488 | 1.0000 | 32     | 9/05/1991  | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090094  | 0.8488 | 1.0000 | 102.2  | 18/04/1994 | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090095  | 0.8488 | 1.0000 | 76.74  | 18/04/1994 | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090096  | 0.8488 | 1.0000 | 5      | 16/11/1995 | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090097  | 0.8488 | 1.0000 | 82.1   | 21/04/1991 | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090098  | 0.8488 | 1.0000 | 11.87  | 1/06/1991  | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090099  | 0.8488 | 1.0000 | 2.57   | 28/06/1991 | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090100  | 0.8488 | 1.0000 | 121    | 21/05/1986 | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090101  | 0.8488 | 1.0000 | 130    | 16/11/1994 | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090102  | 0.8488 | 1.0000 | 152.38 | 3/09/1995  | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090103  | 0.8488 | 1.0000 | 44.33  | 19/10/1995 | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090105  | 0.8488 | 1.0000 | 95     | 16/07/1994 | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090106  | 0.8488 | 1.0000 | 48     | 23/05/1991 | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090107  | 0.8488 | 1.0000 | 92.6   | 30/09/1993 | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090108  | 0.8488 | 1.0000 | 75     | 30/09/1993 | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090109  | 0.8488 | 1.0000 | 80     | 16/07/1994 | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090110  | 0.8488 | 1.0000 | 100    | 10/07/1993 | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090111  | 0.8488 | 1.0000 | 188.46 | 5/05/1991  | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090113A | 0.8488 | 1.0000 | 260.18 | 30/11/1995 | HBP, Producing | All Horizons         |
| NY          | O&G           | Empire Energy E&P, LLC | 310090115  | 0.8488 | 1.0000 | 106    | 27/07/1990 | HBP, Producing | All Horizons         |

|    |     |                        |           |        |        |        |            |                |                      |
|----|-----|------------------------|-----------|--------|--------|--------|------------|----------------|----------------------|
| NY | O&G | Empire Energy E&P, LLC | 310090116 | 0.8488 | 1.0000 | 179.26 | 27/06/1991 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310090118 | 0.8488 | 1.0000 | 108    | 5/11/1995  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310090119 | 0.8488 | 1.0000 | 4.85   | 5/11/1995  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310090121 | 0.8488 | 1.0000 | 0.683  | 11/11/1995 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310090122 | 0.8488 | 1.0000 | 1.78   | 5/11/1995  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310090123 | 0.8488 | 1.0000 | 1.49   | 8/11/1995  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310090125 | 0.8488 | 1.0000 | 106.06 | 17/04/1992 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310090127 | 0.8488 | 1.0000 | 143    | 11/05/1991 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310090128 | 0.8488 | 1.0000 | 63     | 16/02/1994 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310090130 | 0.8488 | 1.0000 | 117.69 | 20/06/1995 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310090132 | 0.8488 | 1.0000 | 107    | 21/05/1986 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310090133 | 0.8488 | 1.0000 | 156    | 17/03/1982 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310090134 | 0.8488 | 1.0000 | 177    | 16/03/1982 | HBP, Producing | Surface BTM Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310090135 | 0.8488 | 1.0000 | 263    | 16/03/1982 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310090136 | 0.8488 | 1.0000 | 158    | 27/03/1982 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310090148 | 0.8184 | 0.2125 | 158.25 | 17/07/1987 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090149 | 0.8184 | 0.2125 | 63.86  | 3/08/1987  | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090150 | 0.8184 | 1.0000 | 61     | 5/08/1985  | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090151 | 0.8184 | 0.2125 | 137.24 | 12/08/1987 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090152 | 0.8184 | 0.2125 | 140.62 | 12/08/1987 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090153 | 0.8184 | 0.2125 | 100    | 28/08/1985 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090154 | 0.8184 | 0.2125 | 90     | 24/08/1985 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090155 | 0.8488 | 0.2125 | 349    | 31/08/1983 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090156 | 0.7760 | 0.2125 | 125    | 16/09/1987 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090157 | 0.7760 | 0.2125 | 103    | 16/09/1987 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090158 | 0.7760 | 0.2125 | 35     | 10/09/1987 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090159 | 0.7760 | 0.2125 | 4.27   | 18/09/1987 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090160 | 0.7796 | 1.0000 | 121    | 26/09/1984 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090161 | 0.7796 | 0.2125 | 169.8  | 26/01/1987 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090162 | 0.7760 | 0.2124 | 52.73  | 5/10/1987  | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090163 | 0.7796 | 1.0000 | 160    | 6/10/1984  | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090164 | 0.7760 | 0.2125 | 112.25 | 8/10/1987  | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090165 | 0.7760 | 1.0000 | 126    | 6/10/1984  | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090166 | 0.7760 | 1.0000 | 135    | 16/10/1984 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090167 | 0.7919 | 1.0000 | 75     | 6/10/1984  | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090168 | 0.7760 | 1.0000 | 135.44 | 10/10/1987 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310090169 | 0.7760 | 0.2125 | 107    | 10/10/1987 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090170 | 0.8488 | 1.0000 | 237    | 12/10/1984 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090171 | 0.7760 | 0.2125 | 134    | 15/10/1984 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090172 | 0.7760 | 0.2125 | 110    | 15/10/1984 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090173 | 0.7919 | 1.0000 | 97     | 16/10/1984 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090174 | 0.7796 | 1.0000 | 97     | 16/10/1984 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090175 | 0.7796 | 1.0000 | 53     | 16/10/1984 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090176 | 0.7922 | 1.0000 | 170    | 16/10/1984 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090177 | 0.7922 | 1.0000 | 144    | 16/10/1984 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090178 | 0.7760 | 1.0000 | 99     | 21/10/1987 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310090179 | 0.7760 | 0.2125 | 53.84  | 20/10/1987 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090180 | 0.7760 | 1.0000 | 163    | 9/11/1983  | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090181 | 0.7796 | 1.0000 | 109    | 20/11/1984 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090182 | 0.7760 | 0.2125 | 102    | 16/10/1984 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090183 | 0.8184 | 1.0000 | 475.61 | 29/01/1983 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090184 | 0.7922 | 1.0000 | 35.09  | 1/04/1983  | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090185 | 0.7796 | 1.0000 | 4      | 27/04/1983 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090186 | 0.7922 | 1.0000 | 120    | 29/06/1985 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090188 | 0.8222 | 1.0000 | 12.4   | 22/12/1985 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090189 | 0.8222 | 1.0000 | 4      | 22/12/1985 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090190 | 0.7760 | 0.2125 | 15     | 18/07/1985 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310090191 | 0.7760 | 0.2124 | 3.3    | 29/03/1988 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090192 | 0.7760 | 0.2124 | 3.3    | 28/03/1988 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090193 | 0.7834 | 1.0000 | 606    | 27/03/1975 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090194 | 0.8488 | 1.0000 | 160    | 1/03/1982  | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090195 | 0.8100 | 1.0000 | 54.5   | 3/03/1982  | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090196 | 0.8100 | 1.0000 | 179    | 2/03/1982  | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090197 | 0.8100 | 1.0000 | 136    | 9/03/1982  | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090198 | 0.7796 | 0.2125 | 100    | 9/03/1982  | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090200 | 0.8100 | 1.0000 | 140    | 13/03/1982 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090201 | 0.8100 | 1.0000 | 175    | 13/03/1982 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090202 | 0.7796 | 1.0000 | 69.6   | 13/03/1982 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090203 | 0.7796 | 1.0000 | 33     | 14/03/1982 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090204 | 0.8100 | 1.0000 | 54.5   | 14/03/1982 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090205 | 0.7760 | 0.2125 | 160    | 15/03/1982 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090206 | 0.8100 | 1.0000 | 160    | 15/03/1982 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090207 | 0.7796 | 1.0000 | 74     | 15/03/1982 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090208 | 0.7796 | 1.0000 | 72     | 20/03/1982 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090209 | 0.8100 | 1.0000 | 171    | 20/03/1982 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090210 | 0.8100 | 1.0000 | 117    | 20/03/1982 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090211 | 0.7796 | 1.0000 | 100    | 20/03/1982 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090212 | 0.7760 | 0.2125 | 445    | 21/03/1975 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310090213 | 0.7919 | 1.0000 | 137    | 28/03/1982 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090214 | 0.8100 | 1.0000 | 147    | 28/03/1982 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090215 | 0.7796 | 1.0000 | 205    | 8/05/1982  | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090216 | 0.7796 | 1.0000 | 118    | 16/05/1982 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090217 | 0.7916 | 1.0000 | 17.6   | 4/05/1982  | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090218 | 0.7796 | 1.0000 | 88     | 3/05/1982  | HBP, Producing | 100% Shallow 50%Deep |

|    |     |                        |           |        |        |        |            |                |                      |
|----|-----|------------------------|-----------|--------|--------|--------|------------|----------------|----------------------|
| NY | O&G | Empire Energy E&P, LLC | 310090219 | 0.7916 | 1.0000 | 74     | 2/05/1982  | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090220 | 0.7796 | 1.0000 | 142    | 3/05/1982  | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090221 | 0.7919 | 1.0000 | 94     | 9/05/1982  | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090222 | 0.7796 | 1.0000 | 97     | 8/05/1982  | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090223 | 0.8222 | 0.1250 | 160    | 15/10/1983 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090224 | 0.7922 | 1.0000 | 6      | 15/10/1983 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090225 | 0.8222 | 1.0000 | 70.5   | 18/09/1977 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090226 | 0.7952 | 1.0000 | 97     | 31/01/1989 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090227 | 0.7916 | 1.0000 | 26     | 11/12/1984 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090228 | 0.7760 | 0.2125 | 164    | 12/12/1984 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090229 | 0.7919 | 1.0000 | 21     | 12/12/1984 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090230 | 0.7919 | 1.0000 | 37     | 12/12/1984 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090231 | 0.8122 | 1.0000 | 10     | 30/09/1985 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090232 | 0.8100 | 1.0000 | 160    | 10/03/1982 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090233 | 0.8184 | 1.0000 | 122    | 1/05/1991  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310090243 | 0.8488 | 1.0000 | 114.73 | 10/06/2004 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310090244 | 0.8488 | 1.0000 | 255.88 | 1/06/2004  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310090247 | 0.8488 | 1.0000 | 3.65   | 20/11/1982 | HBP, Producing | Below Top Queenstn   |
| NY | O&G | Empire Energy E&P, LLC | 310090248 | 0.8488 | 1.0000 | 97     | 28/02/1984 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310090249 | 0.8488 | 1.0000 | 42     | 22/01/1984 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310090251 | 0.8488 | 1.0000 | 706.9  | 19/10/1998 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310090252 | 0.9700 | 1.0000 | 256    | 6/02/1987  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310090253 | 0.9700 | 1.0000 | 110    | 6/02/1987  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310090254 | 0.9700 | 1.0000 | 223    | 28/04/1987 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310090255 | 0.8488 | 1.0000 | 91     | 12/11/1991 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310090256 | 0.8488 | 1.0000 | 21     | 9/12/1993  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310090257 | 0.8488 | 1.0000 | 1      | 9/12/1993  | HBP, Producing | Shallow Only Unspcfd |
| NY | O&G | Empire Energy E&P, LLC | 310090258 | 0.8488 | 1.0000 | 8      | 2/06/1993  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310090259 | 0.8488 | 1.0000 | 4.89   | 5/11/1993  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310090260 | 0.8488 | 0.2500 | 8.83   | 24/09/1995 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310090261 | 0.8488 | 1.0000 | 353    | 27/03/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310090262 | 0.9700 | 1.0000 | 155    | 12/10/2099 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310090263 | 0.8488 | 1.0000 | 35.5   | 27/01/1991 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310090264 | 0.8488 | 1.0000 | 105.35 | 27/01/1991 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310090265 | 0.8488 | 1.0000 | 153.15 | 31/10/1992 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310090266 | 0.8488 | 1.0000 | 66.3   | 27/01/1991 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310090267 | 0.8488 | 1.0000 | 131.9  | 27/01/1991 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310090268 | 0.8488 | 1.0000 | 27     | 10/07/1992 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310090269 | 0.8488 | 1.0000 | 415    | 6/07/1987  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310090270 | 0.8488 | 1.0000 | 159.05 | 19/05/1993 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310090271 | 0.9700 | 1.0000 | 215    | 25/10/2099 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310090272 | 0.8488 | 1.0000 | 2.75   | 4/12/1992  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310090273 | 0.8924 | 0.5000 | 41     | 28/09/2005 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310090274 | 0.8924 | 0.5000 | 30.28  | 27/09/2005 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310090275 | 0.8488 | 0.5000 | 4.59   | 21/06/2003 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310090276 | 0.8488 | 0.5000 | 237    | 16/05/2006 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310090277 | 0.8924 | 1.0000 | 9.5    | 26/09/2005 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310090278 | 0.8924 | 1.0000 | 6.25   | 3/10/2005  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310090280 | 0.8488 | 1.0000 | 103    | 25/03/1982 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310090495 | 0.8488 | 1.0000 | 139.85 | 29/11/2026 | Leased, PaidUP | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310090536 | 0.8488 | 1.0000 | 54     | 27/03/2071 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310090538 | 0.7760 | 0.2125 | 2.75   | 28/03/1988 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090539 | 0.7760 | 0.2125 | 3      | 29/03/1988 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090540 | 0.7760 | 0.2125 | 4.2    | 29/03/1988 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090541 | 0.8488 | 1.0000 | 101    | 28/03/1982 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310090552 | 0.8750 | 1.0000 | 196    | 5/05/1993  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310090554 | 0.8750 | 1.0000 | 143    | 11/02/1994 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310090555 | 0.8750 | 1.0000 | 151    | 18/04/1990 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310090556 | 0.8750 | 1.0000 | 42     | 16/02/1994 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310090557 | 0.8750 | 1.0000 | 297.00 | 13/07/1935 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310090558 | 0.8750 | 1.0000 | 203.04 | 23/06/1999 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310090559 | 0.8750 | 1.0000 | 308.00 | 2/08/1998  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310090560 | 0.8750 | 1.0000 | 98.00  | 18/09/1998 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310090561 | 0.8750 | 1.0000 | 88.00  | 2/06/1997  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310090562 | 0.8750 | 1.0000 | 140.00 | 4/01/1982  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310090563 | 0.8750 | 1.0000 | 8.45   | 10/06/1997 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310090564 | 0.8750 | 1.0000 | 10.27  | 24/09/1998 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310090565 | 0.8750 | 1.0000 | 60.00  | 28/10/1996 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310090566 | 0.8750 | 1.0000 | 60.90  | 6/08/1999  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310090567 | 0.8750 | 1.0000 | 76.20  | 15/03/1994 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310090568 | 0.8750 | 1.0000 | 65.04  | 15/09/1993 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310090569 | 0.8750 | 1.0000 | 117.96 | 28/08/1996 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310090570 | 0.8750 | 1.0000 | 84.00  | 29/05/1997 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310090571 | 0.8750 | 1.0000 | 5.86   | 29/05/1997 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310090572 | 0.8750 | 1.0000 | 140.00 | 24/06/1999 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310090573 | 0.8750 | 1.0000 | 72.00  | 10/12/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310090574 | 0.8750 | 1.0000 | 230.00 | 10/12/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310090575 | 0.8750 | 1.0000 | 151.00 | 4/01/1982  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310090576 | 0.8750 | 1.0000 | 217.00 | 24/09/1980 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310090577 | 0.8750 | 1.0000 | 46.98  | 24/09/1980 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310090578 | 0.8750 | 1.0000 | 200.00 | 29/09/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310090579 | 0.8750 | 1.0000 | 114.00 | 29/09/1980 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310090580 | 0.8750 | 1.0000 | 202.00 | 1/12/1973  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310090581 | 0.8750 | 1.0000 | 236.00 | 5/07/1980  | HBP, Producing | All Horizons         |

|    |     |                        |           |        |        |        |            |                |              |
|----|-----|------------------------|-----------|--------|--------|--------|------------|----------------|--------------|
| NY | O&G | Empire Energy E&P, LLC | 310090582 | 0.8750 | 1.0000 | 56.00  | 4/01/1982  | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090583 | 0.8750 | 1.0000 | 69.00  | 3/10/1981  | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090584 | 0.8750 | 1.0000 | 95.93  | 7/10/1980  | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090585 | 0.8750 | 1.0000 | 2.63   | 7/10/1980  | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090586 | 0.8750 | 1.0000 | 192.00 | 28/01/1982 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090587 | 0.8750 | 1.0000 | 184.00 | 28/01/1982 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090588 | 0.8750 | 1.0000 | 106.00 | 24/09/1980 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090589 | 0.8750 | 1.0000 | 227.00 | 30/09/1980 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090590 | 0.8750 | 1.0000 | 4.00   | 12/12/1981 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090591 | 0.8750 | 1.0000 | 200.00 | 18/11/1981 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090592 | 0.8750 | 1.0000 | 98.00  | 18/11/1981 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090593 | 0.8750 | 1.0000 | 378.00 | 16/12/1981 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090594 | 0.8750 | 1.0000 | 88.88  | 18/11/1981 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090595 | 0.8750 | 1.0000 | 210.00 | 3/10/1981  | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090596 | 0.8750 | 1.0000 | 2.00   | 3/10/1981  | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090597 | 0.8750 | 1.0000 | 119.28 | 25/09/1980 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090598 | 0.8750 | 1.0000 | 11.28  | 21/12/1982 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090599 | 0.8750 | 1.0000 | 225.00 | 29/03/1981 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090600 | 0.8750 | 1.0000 | 80.00  | 25/09/1980 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090601 | 0.8750 | 1.0000 | 83.76  | 3/12/1981  | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090602 | 0.8750 | 1.0000 | 106.21 | 30/09/1982 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090603 | 0.8750 | 1.0000 | 15.08  | 14/10/1981 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090604 | 0.8750 | 1.0000 | 41.00  | 29/09/1980 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090605 | 0.8750 | 1.0000 | 372.00 | 12/07/1973 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090606 | 0.8750 | 1.0000 | 172.00 | 21/10/1980 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090607 | 0.8750 | 1.0000 | 99.00  | 26/09/1980 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090608 | 0.8750 | 1.0000 | 202.00 | 29/09/1982 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090609 | 0.8750 | 1.0000 | 212.78 | 1/03/1983  | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090610 | 0.8750 | 1.0000 | 11.25  | 21/10/1980 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090611 | 0.8750 | 1.0000 | 129.00 | 29/09/1981 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090612 | 0.8750 | 1.0000 | 75.00  | 29/01/1982 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090613 | 0.8750 | 1.0000 | 153.00 | 16/04/1982 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090614 | 0.8750 | 1.0000 | 177.00 | 24/09/1981 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090615 | 0.8750 | 1.0000 | 192.00 | 31/07/1967 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090616 | 0.8750 | 1.0000 | 147.02 | 5/12/1981  | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090617 | 0.8750 | 1.0000 | 75.00  | 5/02/1982  | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090618 | 0.8750 | 1.0000 | 57.83  | 20/10/1980 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090619 | 0.8750 | 1.0000 | 100.00 | 2/03/1982  | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090620 | 0.8750 | 1.0000 | 160.00 | 28/10/1980 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090621 | 0.8750 | 1.0000 | 111.58 | 6/02/1981  | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090622 | 0.8750 | 1.0000 | 45.50  | 29/11/1976 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090623 | 0.8750 | 1.0000 | 184.78 | 7/08/1982  | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090624 | 0.8750 | 1.0000 | 95.69  | 25/09/1980 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090625 | 0.8750 | 1.0000 | 200.00 | 14/10/1980 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090626 | 0.8750 | 1.0000 | 123.50 | 30/11/1977 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090627 | 0.8750 | 1.0000 | 64.47  | 25/01/1982 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090628 | 0.8750 | 1.0000 | 250.00 | 15/05/1976 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090629 | 0.8750 | 1.0000 | 191.00 | 8/12/1961  | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090630 | 0.8750 | 1.0000 | 401.00 | 28/10/1980 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090631 | 0.8750 | 1.0000 | 160.00 | 5/04/1973  | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090632 | 0.8750 | 1.0000 | 109.50 | 1/09/1982  | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090633 | 0.8750 | 1.0000 | 240.00 | 25/10/1960 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090634 | 0.8750 | 1.0000 | 143.00 | 27/07/1967 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090635 | 0.8750 | 1.0000 | 100.00 | 12/06/1973 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090636 | 0.8750 | 1.0000 | 204.68 | 18/08/1999 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090637 | 0.8750 | 1.0000 | 138.24 | 30/06/1999 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090638 | 0.8750 | 1.0000 | 211.00 | 4/01/1982  | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090639 | 0.8750 | 1.0000 | 8.65   | 28/09/1998 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090640 | 0.8750 | 1.0000 | 250.00 | 15/05/1976 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090641 | 0.8750 | 1.0000 | 90.00  | 3/12/1981  | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090642 | 0.8750 | 1.0000 | 4.20   | 20/05/2005 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090643 | 0.8750 | 1.0000 | 155.00 | 24/08/2000 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090644 | 0.8750 | 1.0000 | 118.00 | 26/09/1980 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090645 | 0.8750 | 1.0000 | 412.00 | 9/05/1988  | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090646 | 0.8750 | 1.0000 | 141.60 | 17/09/1981 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090647 | 0.8750 | 1.0000 | 24.19  | 28/10/1980 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090648 | 0.8750 | 1.0000 | 344.00 | 21/12/1981 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090649 | 0.8750 | 1.0000 | 234.17 | 3/06/1984  | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090650 | 0.8750 | 1.0000 | 250.00 | 14/02/1991 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090651 | 0.8750 | 1.0000 | 262.50 | 25/05/1964 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090652 | 0.8750 | 1.0000 | 85.27  | 20/09/1980 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090653 | 0.8750 | 1.0000 | 200.00 | 2/06/1926  | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090654 | 0.8750 | 1.0000 | 47.30  | 11/01/2005 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090655 | 0.8750 | 1.0000 | 64.00  | 11/07/2002 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090656 | 0.8750 | 1.0000 | 1.50   | 26/09/2001 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090657 | 0.8750 | 1.0000 | 250.00 | 14/02/1991 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090658 | 0.8750 | 1.0000 | 160.00 | 23/08/2001 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090659 | 0.8750 | 1.0000 | 131.42 | 27/08/2001 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090660 | 0.8750 | 1.0000 | 6.60   | 9/01/2002  | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090661 | 0.8750 | 1.0000 | 401.00 | 7/01/1974  | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090662 | 0.8750 | 1.0000 | 4.98   | 6/05/1982  | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090663 | 0.8750 | 1.0000 | 17.83  | 21/10/1980 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090664 | 0.8750 | 1.0000 | 11.25  | 21/10/1980 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090665 | 0.8750 | 1.0000 | 77.01  | 11/11/1983 | HBP, Producing | All Horizons |

|    |     |                        |            |        |        |        |            |                |              |
|----|-----|------------------------|------------|--------|--------|--------|------------|----------------|--------------|
| NY | O&G | Empire Energy E&P, LLC | 310090666  | 0.8750 | 1.0000 | 4.35   | 19/04/1982 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090667  | 0.8750 | 1.0000 | 11.58  | 10/02/1982 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090668  | 0.8750 | 1.0000 | 6.86   | 29/09/1980 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090669  | 0.8750 | 1.0000 | 6.30   | 29/09/1980 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090670  | 0.8750 | 1.0000 | 262.00 | 12/08/1983 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090671  | 0.8750 | 1.0000 | 132.00 | 28/10/1980 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090672  | 0.8750 | 1.0000 | 184.00 | 28/01/1982 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090673  | 0.8750 | 1.0000 | 12.50  | 9/06/1982  | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090674  | 0.8750 | 1.0000 | 122.00 | 23/01/1982 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090675  | 0.8750 | 1.0000 | 15.61  | 1/02/1983  | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090676  | 0.8750 | 1.0000 | 37.45  | 12/12/1981 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090677  | 0.8750 | 1.0000 | 94.95  | 30/10/1980 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090678  | 0.8750 | 1.0000 | 2.49   | 16/03/1983 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090679  | 0.8750 | 1.0000 | 1.23   | 6/06/1982  | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090680  | 0.8750 | 1.0000 | 34.01  | 27/01/1982 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090681  | 0.8750 | 1.0000 | 16.34  | 24/01/1982 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090682  | 0.8750 | 1.0000 | 85.27  | 20/09/1980 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090683  | 0.8750 | 1.0000 | 4.44   | 28/11/1980 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090684  | 0.8750 | 1.0000 | 105.00 | 7/10/1980  | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090685  | 0.8750 | 1.0000 | 9.30   | 23/03/1982 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090686  | 0.8750 | 1.0000 | 132.00 | 28/10/1980 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090687  | 0.8750 | 1.0000 | 23.35  | 22/02/1984 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090688  | 0.8750 | 1.0000 | 375.00 | 29/06/1982 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090689  | 0.8750 | 1.0000 | 415.00 | 9/05/1988  | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090690  | 0.8750 | 1.0000 | 127.00 | 25/07/1967 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090691  | 0.8750 | 1.0000 | 31.08  | 24/09/1980 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090692  | 0.8750 | 1.0000 | 94.95  | 26/09/1980 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090693  | 0.8313 | 1.0000 | 130    | 23/05/1972 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090694  | 0.8313 | 1.0000 | 370    | 23/05/1972 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090695  | 0.8313 | 1.0000 | 122    | 25/07/1987 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090696  | 0.8313 | 1.0000 | 100    | 25/07/1987 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090697  | 0.8313 | 1.0000 | 153    | 25/07/2018 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090698  | 0.8313 | 1.0000 | 116.63 | 22/05/1987 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090699  | 0.8313 | 1.0000 | 120    | 28/07/1987 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090700  | 0.8313 | 1.0000 | 61     | 19/09/1988 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090701  | 0.8313 | 1.0000 | 74     | 19/09/1988 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090702  | 0.8313 | 1.0000 | 73     | 25/09/1988 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090703  | 0.8313 | 1.0000 | 39     | 25/09/1988 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090704  | 0.8313 | 1.0000 | 120    | 13/04/1989 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090705  | 0.8313 | 1.0000 | 212    | 21/04/1989 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090706  | 0.8313 | 1.0000 | 190    | 25/04/1989 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090707  | 0.8313 | 1.0000 | 38     | 24/04/1989 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090708  | 0.8313 | 1.0000 | 145.4  | 11/04/1989 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090709  | 0.8313 | 1.0000 | 192    | 26/05/1989 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090710  | 0.8313 | 1.0000 | 23     | 6/08/1991  | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090711  | 0.8313 | 1.0000 | 55     | 28/02/1992 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090712  | 0.8313 | 1.0000 | 72     | 28/02/1992 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090713  | 0.8313 | 1.0000 | 17     | 28/02/1992 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090714  | 0.8313 | 1.0000 | 120    | 8/05/1992  | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090715  | 0.8313 | 1.0000 | 88.95  | 27/12/1991 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090716  | 0.8313 | 1.0000 | 84     | 21/11/1992 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310090717  | 0.8313 | 1.0000 | 10     | 13/06/1992 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310110073  | 0.8488 | 1.0000 | 113.4  | 11/12/2006 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310110128  | 0.8488 | 1.0000 | 4      | 11/12/2007 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310110238  | 0.8148 | 1.0000 | 327.3  | 10/06/2008 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310110254  | 0.8488 | 1.0000 | 63.02  | 12/06/2008 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310110255  | 0.8488 | 1.0000 | 122.3  | 19/06/2008 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310110262  | 0.8488 | 1.0000 | 97     | 16/02/2009 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310110263  | 0.8488 | 1.0000 | 7.9    | 17/02/2009 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310110264  | 0.8488 | 1.0000 | 15     | 18/02/2009 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310110266  | 0.8488 | 1.0000 | 1.8    | 18/02/2009 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310110267  | 0.8488 | 1.0000 | 4      | 20/02/2009 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310110268  | 0.8488 | 1.0000 | 2.1    | 24/02/2009 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310110269  | 0.8488 | 1.0000 | 152.62 | 1/03/2009  | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310110270  | 0.8488 | 1.0000 | 1.2    | 5/03/2009  | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310110295  | 0.8488 | 1.0000 | 12.6   | 27/04/2024 | Leased, PaidUP | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310110299  | 0.8488 | 1.0000 | 66.31  | 25/01/2010 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310110304  | 0.8488 | 1.0000 | 122    | 24/05/2009 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310110334  | 0.8488 | 1.0000 | 1      | 19/06/2009 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310110343  | 0.8488 | 1.0000 | 1.05   | 9/07/2009  | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310110358  | 0.8488 | 1.0000 | 10.15  | 31/07/2009 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310110361A | 0.8488 | 1.0000 | 50     | 27/07/2007 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310110465  | 0.8488 | 1.0000 | 119    | 1/04/2007  | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310110502  | 0.8488 | 1.0000 | 1      | 24/05/2011 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310110503  | 0.8488 | 1.0000 | 30.24  | 28/06/2105 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310110504  | 0.8488 | 1.0000 | 1.8    | 28/06/2105 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310110506  | 0.8488 | 1.0000 | 1.01   | 28/06/2105 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310110516  | 0.8488 | 1.0000 | 65.4   | 28/04/2011 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310110526  | 0.8488 | 1.0000 | 2.4    | 22/05/2011 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310110529  | 0.8488 | 1.0000 | 2.09   | 20/06/2011 | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310110532  | 0.8488 | 1.0000 | 1.01   | 5/06/2011  | HBP, Producing | All Horizons |
| NY | O&G | Empire Energy E&P, LLC | 310130001  | 0.8488 | 1.0000 | 87.5   | 8/07/1989  | HBP, Producing | All Horizons |

|    |     |                        |           |        |        |       |            |                |                      |
|----|-----|------------------------|-----------|--------|--------|-------|------------|----------------|----------------------|
| NY | O&G | Empire Energy E&P, LLC | 310130002 | 0.8488 | 1.0000 | 11.1  | 25/08/1989 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130003 | 0.8488 | 1.0000 | 4.4   | 24/08/1989 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130004 | 0.8488 | 1.0000 | 63    | 21/09/1989 | HBP, Producing | Surface BTM Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310130005 | 0.8488 | 1.0000 | 107   | 20/10/1989 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130006 | 0.8488 | 1.0000 | 3.12  | 22/10/1989 | HBP, Producing | Surface BTM Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310130007 | 0.8222 | 1.0000 | 150   | 31/05/1985 | HBP, Producing | Restricted Depths    |
| NY | O&G | Empire Energy E&P, LLC | 310130008 | 0.8488 | 1.0000 | 205   | 31/05/1985 | HBP, Producing | Restricted Depths    |
| NY | O&G | Empire Energy E&P, LLC | 310130009 | 0.8222 | 0.5500 | 88    | 31/05/1985 | HBP, Producing | Restricted Depths    |
| NY | O&G | Empire Energy E&P, LLC | 310130010 | 0.8488 | 0.5500 | 105   | 31/05/1985 | HBP, Producing | Restricted Depths    |
| NY | O&G | Empire Energy E&P, LLC | 310130011 | 0.7970 | 0.1250 | 4     | 4/05/1993  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130012 | 0.8488 | 0.2125 | 85    | 1/03/1986  | HBP, Producing | Surface BTM Clinton  |
| NY | O&G | Empire Energy E&P, LLC | 310130013 | 0.7967 | 0.1250 | 254   | 5/10/1983  | HBP, Producing | Surface BTM Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310130014 | 0.7957 | 0.1250 | 178.5 | 23/10/1983 | HBP, Producing | Surface BTM Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310130015 | 0.7970 | 0.1250 | 100   | 23/10/1983 | HBP, Producing | Surface BTM Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310130016 | 0.7957 | 0.1250 | 150   | 23/10/1983 | HBP, Producing | Surface BTM Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310130017 | 0.7957 | 0.1250 | 110   | 24/10/1983 | HBP, Producing | Surface BTM Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310130018 | 0.7970 | 0.1250 | 85    | 4/10/1983  | HBP, Producing | Surface BTM Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310130019 | 0.8488 | 1.0000 | 178.2 | 4/10/1983  | HBP, Producing | Surface BTM Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310130020 | 0.7957 | 0.1250 | 103   | 4/10/1983  | HBP, Producing | Surface BTM Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310130021 | 0.8488 | 1.0000 | 100   | 7/08/1990  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130023 | 0.8083 | 0.0242 | 30    | 15/12/1989 | HBP, Producing | Shallow Above 5k FT  |
| NY | O&G | Empire Energy E&P, LLC | 310130024 | 0.8083 | 0.0242 | 25    | 15/12/1989 | HBP, Producing | Shallow Above 5k FT  |
| NY | O&G | Empire Energy E&P, LLC | 310130025 | 0.8488 | 1.0000 | 50.2  | 9/03/1980  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130026 | 0.8488 | 1.0000 | 101.1 | 2/05/1981  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130027 | 0.8488 | 1.0000 | 6.2   | 27/10/1979 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130028 | 0.8488 | 1.0000 | 102   | 10/09/1982 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130029 | 0.8488 | 1.0000 | 34.6  | 10/09/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130030 | 0.8488 | 1.0000 | 52.9  | 20/07/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130031 | 0.8488 | 1.0000 | 124   | 31/08/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130032 | 0.8488 | 1.0000 | 216   | 7/11/1980  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130033 | 0.8488 | 1.0000 | 35.6  | 16/01/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130034 | 0.8488 | 1.0000 | 129   | 19/06/1986 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130035 | 0.7881 | 1.0000 | 365   | 6/11/1977  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130036 | 0.8488 | 1.0000 | 32.5  | 19/12/1978 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130037 | 0.8488 | 1.0000 | 133.9 | 1/08/1981  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130038 | 0.8488 | 1.0000 | 68.8  | 29/06/1978 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310130039 | 0.8488 | 1.0000 | 13.5  | 15/02/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130040 | 0.8488 | 1.0000 | 61.4  | 1/06/1980  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130041 | 0.8488 | 1.0000 | 27.7  | 24/06/1978 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130042 | 0.8488 | 1.0000 | 84.5  | 22/07/1979 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130043 | 0.8488 | 1.0000 | 164.6 | 13/05/1980 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130044 | 0.8488 | 1.0000 | 114.3 | 13/02/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130045 | 0.8488 | 1.0000 | 117.8 | 15/09/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130046 | 0.8488 | 1.0000 | 198.6 | 3/06/1985  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130047 | 0.8488 | 1.0000 | 119   | 15/09/1979 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130048 | 0.8488 | 1.0000 | 108.9 | 12/05/1980 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130049 | 0.8488 | 1.0000 | 100   |            | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130050 | 0.8488 | 1.0000 | 38.5  | 31/03/1977 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130051 | 0.8488 | 1.0000 | 52.3  | 29/11/1978 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130052 | 0.8488 | 1.0000 | 45    | 18/05/1978 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130053 | 0.8488 | 1.0000 | 85.5  | 3/05/1980  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310130054 | 0.8488 | 1.0000 | 35    | 18/05/1977 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130055 | 0.8488 | 1.0000 | 31    | 27/03/1977 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130056 | 0.8488 | 1.0000 | 127.2 | 15/08/1980 | HBP, Producing | Surface Top Onondga  |
| NY | O&G | Empire Energy E&P, LLC | 310130057 | 0.8488 | 1.0000 | 38.4  | 16/12/1990 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130058 | 0.8488 | 1.0000 | 115.9 | 23/02/1980 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130059 | 0.8488 | 1.0000 | 72    | 19/10/1977 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130060 | 0.8488 | 1.0000 | 4.5   | 1/05/1986  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130062 | 0.8488 | 1.0000 | 65.5  | 4/12/2001  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130063 | 0.8488 | 1.0000 | 160   | 21/06/1983 | HBP, Producing | Below Top Queenstn   |
| NY | O&G | Empire Energy E&P, LLC | 310130064 | 0.8488 | 1.0000 | 15.77 | 20/08/1992 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130065 | 0.8222 | 1.0000 | 47.07 | 14/09/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310130066 | 0.8222 | 1.0000 | 35    | 11/03/1985 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310130067 | 0.8488 | 1.0000 | 100   | 26/06/1983 | HBP, Producing | Below Top Queenstn   |
| NY | O&G | Empire Energy E&P, LLC | 310130068 | 0.7881 | 1.0000 | 212.6 | 21/06/1983 | HBP, Producing | Below Top Queenstn   |
| NY | O&G | Empire Energy E&P, LLC | 310130069 | 0.8488 | 1.0000 | 178.9 | 7/02/1982  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130070 | 0.8488 | 1.0000 | 102   | 6/07/1981  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130071 | 0.8488 | 1.0000 | 47.4  | 17/10/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130072 | 0.8488 | 1.0000 | 64    | 3/11/1984  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310130073 | 0.8488 | 1.0000 | 97    | 28/06/1983 | HBP, Producing | Below Top Queenstn   |
| NY | O&G | Empire Energy E&P, LLC | 310130074 | 0.8488 | 1.0000 | 80.2  | 7/06/1978  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130075 | 0.8488 | 1.0000 | 180   | 9/08/1985  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130076 | 0.8488 | 1.0000 | 98    | 28/06/1983 | HBP, Producing | Below Top Queenstn   |
| NY | O&G | Empire Energy E&P, LLC | 310130077 | 0.8488 | 1.0000 | 2.2   | 17/06/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130078 | 0.7275 | 1.0000 | 36.8  | 14/03/1980 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130079 | 0.8488 | 1.0000 | 1     | 24/03/1980 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130080 | 0.8488 | 1.0000 | 9.4   | 21/03/1980 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130081 | 0.8488 | 1.0000 | 2.7   | 23/03/1980 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130082 | 0.8488 | 1.0000 | 52.7  | 21/03/1980 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130083 | 0.8488 | 1.0000 | 13.3  | 22/03/1980 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130084 | 0.8488 | 1.0000 | 29.2  | 22/03/1980 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130085 | 0.8488 | 1.0000 | 7.9   | 24/04/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130086 | 0.8488 | 1.0000 | 15.6  | 10/07/1980 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130087 | 0.8488 | 1.0000 | 34.5  | 16/11/1979 | HBP, Producing | All Horizons         |

|    |     |                        |           |        |        |       |            |                |                      |
|----|-----|------------------------|-----------|--------|--------|-------|------------|----------------|----------------------|
| NY | O&G | Empire Energy E&P, LLC | 310130088 | 0.8488 | 1.0000 | 30    | 4/01/1990  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130089 | 0.8488 | 1.0000 | 38.3  | 27/08/1981 | HBP, Producing | Surface BTM Clinton  |
| NY | O&G | Empire Energy E&P, LLC | 310130090 | 0.8488 | 1.0000 | 11.7  | 6/02/1982  | HBP, Producing | Surface BTM Clinton  |
| NY | O&G | Empire Energy E&P, LLC | 310130091 | 0.8488 | 1.0000 | 27.7  | 30/06/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130092 | 0.8488 | 1.0000 | 1     | 17/03/1982 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130093 | 0.8488 | 1.0000 | 65.2  | 15/06/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130094 | 0.8488 | 1.0000 | 20.1  | 3/12/1981  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130095 | 0.7275 | 1.0000 | 25    | 15/06/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130097 | 0.8488 | 1.0000 | 328   | 28/02/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130098 | 0.7881 | 1.0000 | 147   | 3/10/1983  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130099 | 0.8488 | 1.0000 | 12.9  | 8/06/1984  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130100 | 0.7881 | 1.0000 | 91    | 12/02/1986 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130101 | 0.8488 | 1.0000 | 96.5  | 2/12/1987  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130102 | 0.8222 | 1.0000 | 200   | 20/06/1983 | HBP, Producing | Below Top Queenstn   |
| NY | O&G | Empire Energy E&P, LLC | 310130103 | 0.7275 | 1.0000 | 56.4  | 10/04/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310130104 | 0.8488 | 1.0000 | 25    | 10/04/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310130105 | 0.8488 | 1.0000 | 9.6   | 26/02/1988 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130106 | 0.8488 | 1.0000 | 1     | 3/11/1984  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130107 | 0.8488 | 1.0000 | 65.5  | 9/01/1984  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130108 | 0.8488 | 1.0000 | 7     | 16/03/1986 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130109 | 0.7881 | 1.0000 | 1.5   | 15/03/1986 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130110 | 0.7881 | 1.0000 | 10    | 15/03/1977 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130111 | 0.7881 | 1.0000 | 28.9  | 14/11/1975 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130112 | 0.8488 | 1.0000 | 2.6   | 27/02/1988 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130113 | 0.7881 | 1.0000 | 8.5   | 8/06/1984  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130114 | 0.8488 | 1.0000 | 3.1   | 8/06/1984  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130115 | 0.8488 | 1.0000 | 11.5  | 20/02/1988 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130116 | 0.7881 | 1.0000 | 2.9   | 8/06/1984  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130117 | 0.8488 | 1.0000 | 59    | 28/05/1987 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130118 | 0.8488 | 1.0000 | 72    | 14/04/1988 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130119 | 0.8488 | 1.0000 | 70.3  | 11/09/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130120 | 0.8488 | 1.0000 | 65    | 16/09/1984 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130121 | 0.8488 | 1.0000 | 5     | 12/01/1984 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130122 | 0.8488 | 1.0000 | 1     | 10/01/1984 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130123 | 0.8488 | 1.0000 | 93.6  | 25/08/1977 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130124 | 0.8488 | 1.0000 | 18.5  | 31/03/1977 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130125 | 0.8488 | 1.0000 | 15    | 11/03/1987 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130126 | 0.8488 | 1.0000 | 42    | 25/08/1978 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130127 | 0.8488 | 1.0000 | 113.2 | 30/12/1976 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130128 | 0.8488 | 1.0000 | 20    | 30/09/1977 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130129 | 0.8488 | 1.0000 | 1.1   | 27/09/1987 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130130 | 0.8488 | 1.0000 | 2.8   | 27/09/1987 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130131 | 0.8488 | 1.0000 | 1     | 24/09/1987 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130132 | 0.7881 | 1.0000 | 23.1  | 8/06/1984  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130133 | 0.7881 | 1.0000 | 1     | 24/05/1984 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130134 | 0.8488 | 1.0000 | 41.3  | 30/04/1978 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130135 | 0.8222 | 1.0000 | 138.9 | 29/06/1985 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310130136 | 0.8488 | 1.0000 | 4.58  | 1/10/1987  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130137 | 0.7275 | 1.0000 | 19.6  | 29/11/1981 | HBP, Producing | Surface BTM Clinton  |
| NY | O&G | Empire Energy E&P, LLC | 310130138 | 0.8488 | 1.0000 | 41.06 | 20/05/1985 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130139 | 0.8222 | 1.0000 | 97    | 21/06/1983 | HBP, Producing | Below Top Queenstn   |
| NY | O&G | Empire Energy E&P, LLC | 310130140 | 0.8488 | 1.0000 | 6     | 23/11/2001 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130141 | 0.8488 | 1.0000 | 46.9  | 20/04/1979 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130142 | 0.8488 | 1.0000 | 39.6  | 21/04/1979 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130143 | 0.8488 | 1.0000 | 20.3  | 26/04/1979 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130144 | 0.8488 | 1.0000 | 62.6  | 26/08/1979 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130145 | 0.8488 | 1.0000 | 18.4  | 26/08/1979 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130146 | 0.8488 | 1.0000 | 3.8   | 31/03/1977 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130147 | 0.8488 | 1.0000 | 3     | 30/03/1977 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130148 | 0.8488 | 1.0000 | 10    | 31/03/1977 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130149 | 0.8488 | 1.0000 | 69.6  | 8/03/1982  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130150 | 0.8488 | 1.0000 | 106   | 2/10/1981  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130151 | 0.7881 | 1.0000 | 139   | 10/07/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130153 | 0.7881 | 1.0000 | 194   | 6/08/1983  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130154 | 0.7275 | 1.0000 | 80    | 9/08/1983  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130155 | 0.8488 | 1.0000 | 75    | 26/10/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130157 | 0.7881 | 1.0000 | 111   | 3/08/1983  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130158 | 0.7881 | 1.0000 | 25    | 4/10/1982  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130159 | 0.7881 | 1.0000 | 211   | 3/05/1983  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130160 | 0.7881 | 1.0000 | 100   | 10/05/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130161 | 0.8488 | 1.0000 | 4.7   | 23/01/1982 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130162 | 0.8488 | 1.0000 | 45.6  | 13/12/1979 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130163 | 0.8488 | 1.0000 | 45    | 11/01/1980 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130164 | 0.8222 | 1.0000 | 50    | 17/04/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310130165 | 0.7881 | 1.0000 | 98    | 16/03/1987 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130166 | 0.7881 | 1.0000 | 105   | 18/03/1982 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130167 | 0.7881 | 1.0000 | 1.5   | 5/05/2001  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130168 | 0.7881 | 1.0000 | 96    | 6/01/1987  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130169 | 0.8488 | 1.0000 | 168   | 12/11/1977 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130170 | 0.8488 | 1.0000 | 29.4  | 22/07/1982 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130171 | 0.8488 | 1.0000 | 2.9   | 26/10/1989 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130172 | 0.8488 | 1.0000 | 21.1  | 10/11/1980 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130173 | 0.8488 | 1.0000 | 43.8  | 20/02/1980 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130174 | 0.8488 | 1.0000 | 3     | 27/07/1989 | HBP, Producing | All Horizons         |

|    |     |                        |           |        |        |        |            |                |                      |
|----|-----|------------------------|-----------|--------|--------|--------|------------|----------------|----------------------|
| NY | O&G | Empire Energy E&P, LLC | 310130175 | 0.8488 | 1.0000 | 40.2   | 6/09/1980  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130177 | 0.7881 | 1.0000 | 62     | 15/03/1982 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130179 | 0.7881 | 1.0000 | 148    | 15/03/1982 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130180 | 0.8488 | 1.0000 | 1.5    | 21/10/2001 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130181 | 0.7881 | 1.0000 | 77     | 16/11/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130182 | 0.8488 | 1.0000 | 81.7   | 18/06/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130183 | 0.7881 | 1.0000 | 265    | 4/08/1983  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130184 | 0.7881 | 1.0000 | 227    | 25/06/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130185 | 0.8488 | 1.0000 | 5.9    | 24/02/2003 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130186 | 0.7881 | 1.0000 | 197    | 26/06/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130187 | 0.8488 | 1.0000 | 14     | 13/04/1984 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130188 | 0.8488 | 1.0000 | 14     | 31/03/1984 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130189 | 0.7881 | 1.0000 | 132    | 10/10/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130190 | 0.8488 | 1.0000 | 10     | 4/12/2001  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130191 | 0.8488 | 1.0000 | 14     | 15/12/1982 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130192 | 0.8488 | 1.0000 | 4.2    | 20/01/2002 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130193 | 0.8488 | 1.0000 | 2.7    | 20/05/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130194 | 0.8488 | 1.0000 | 3.7    | 7/01/2002  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130195 | 0.7881 | 1.0000 | 203.05 | 5/10/1993  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130196 | 0.7881 | 1.0000 | 82.6   | 17/04/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130197 | 0.8488 | 1.0000 | 200    | 5/04/1992  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130198 | 0.8488 | 1.0000 | 0.53   | 9/02/1992  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130199 | 0.8488 | 1.0000 | 2.5    | 26/08/1984 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130200 | 0.7881 | 1.0000 | 50     | 23/02/1977 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130201 | 0.8184 | 1.0000 | 1416   | 20/08/1975 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310130202 | 0.8488 | 1.0000 | 52     | 8/05/1977  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130203 | 0.8488 | 1.0000 | 66     | 12/03/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130204 | 0.8488 | 1.0000 | 10     | 17/03/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130205 | 0.8488 | 1.0000 | 18     | 6/03/1981  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130206 | 0.8488 | 1.0000 | 4      | 15/02/1982 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130207 | 0.8488 | 1.0000 | 9      | 5/12/1980  | HBP, Producing | Surface Top Onondga  |
| NY | O&G | Empire Energy E&P, LLC | 310130208 | 0.7881 | 1.0000 | 124    | 26/08/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130209 | 0.7881 | 1.0000 | 10     | 28/06/1985 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310130210 | 0.8488 | 1.0000 | 76     | 12/08/1978 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130211 | 0.8488 | 1.0000 | 273.1  | 21/03/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130212 | 0.8488 | 1.0000 | 49     | 22/11/1977 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130213 | 0.8222 | 1.0000 | 50     | 7/10/1984  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130214 | 0.8222 | 1.0000 | 30     | 26/08/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310130215 | 0.8488 | 1.0000 | 103.6  | 22/04/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130216 | 0.8184 | 1.0000 | 76     | 7/07/1984  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130217 | 0.8488 | 1.0000 | 25.6   | 22/01/1984 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130218 | 0.8488 | 1.0000 | 50     | 3/05/1977  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130219 | 0.7881 | 1.0000 | 196    | 21/06/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130220 | 0.8488 | 1.0000 | 1.7    | 23/04/1980 | HBP, Producing | Surface Top Onondga  |
| NY | O&G | Empire Energy E&P, LLC | 310130221 | 0.7275 | 1.0000 | 40     | 14/11/1989 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130222 | 0.8222 | 1.0000 | 10     | 19/01/1990 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130223 | 0.8222 | 1.0000 | 173    | 21/06/1983 | HBP, Producing | Below Top Queenstn   |
| NY | O&G | Empire Energy E&P, LLC | 310130224 | 0.8222 | 1.0000 | 87     | 28/06/1983 | HBP, Producing | Below Top Queenstn   |
| NY | O&G | Empire Energy E&P, LLC | 310130225 | 0.8222 | 1.0000 | 5.7    | 21/04/1982 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130226 | 0.7881 | 1.0000 | 100    | 11/03/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310130227 | 0.8222 | 1.0000 | 42     | 20/06/1974 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130228 | 0.8488 | 1.0000 | 4.6    | 15/01/1980 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130229 | 0.8488 | 1.0000 | 35.8   | 25/10/1989 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130230 | 0.8488 | 1.0000 | 24.5   | 18/11/1982 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130231 | 0.8488 | 1.0000 | 36.7   | 22/10/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130232 | 0.8488 | 1.0000 | 41     | 6/08/1977  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310130233 | 0.8488 | 1.0000 | 1.5    | 9/11/1983  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130234 | 0.8184 | 1.0000 | 61.4   | 25/06/1985 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130235 | 0.8488 | 1.0000 | 16     | 14/03/1985 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130236 | 0.8488 | 1.0000 | 1.6    | 10/10/1985 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130237 | 0.8222 | 1.0000 | 271    | 26/07/1983 | HBP, Producing | Below Top Queenstn   |
| NY | O&G | Empire Energy E&P, LLC | 310130238 | 0.7881 | 1.0000 | 89     | 13/03/1986 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130239 | 0.8222 | 1.0000 | 77     | 28/06/1986 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130240 | 0.8488 | 1.0000 | 108.6  | 10/07/1987 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130241 | 0.8488 | 1.0000 | 59.4   | 10/07/1987 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130242 | 0.8224 | 1.0000 | 456    | 19/06/1983 | HBP, Producing | Below Top Queenstn   |
| NY | O&G | Empire Energy E&P, LLC | 310130243 | 0.8488 | 1.0000 | 5.9    | 20/10/1982 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130244 | 0.8488 | 1.0000 | 125.3  | 10/07/2001 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130245 | 0.7881 | 1.0000 | 252    | 12/10/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130246 | 0.8488 | 1.0000 | 137    | 29/07/1980 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130247 | 0.8488 | 1.0000 | 50     | 22/10/1980 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130248 | 0.8488 | 1.0000 | 93.4   | 31/12/1990 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130249 | 0.7881 | 1.0000 | 225    | 15/03/1982 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130250 | 0.8488 | 1.0000 | 4.7    | 12/07/1984 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130251 | 0.8488 | 1.0000 | 28     | 22/03/1984 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130252 | 0.8488 | 1.0000 | 22     | 18/02/1986 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130253 | 0.8488 | 1.0000 | 5      | 4/11/2002  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130254 | 0.8488 | 1.0000 | 0.77   | 18/10/2002 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130255 | 0.8488 | 1.0000 | 4.4    | 5/11/2002  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130256 | 0.8488 | 1.0000 | 5.7    | 5/11/2002  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130257 | 0.7881 | 1.0000 | 58     | 28/02/1982 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130258 | 0.8488 | 1.0000 | 35.2   | 11/08/1988 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130259 | 0.8488 | 1.0000 | 18     | 21/07/1988 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130260 | 0.8488 | 1.0000 | 1.4    | 21/07/1988 | HBP, Producing | All Horizons         |

|    |     |                        |           |        |        |        |            |                |                      |
|----|-----|------------------------|-----------|--------|--------|--------|------------|----------------|----------------------|
| NY | O&G | Empire Energy E&P, LLC | 310130262 | 0.8222 | 1.0000 | 142    | 26/06/1983 | HBP, Producing | Below Top Queenstn   |
| NY | O&G | Empire Energy E&P, LLC | 310130263 | 0.8488 | 1.0000 | 2.9    | 10/07/1990 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130264 | 0.8488 | 1.0000 | 73     | 18/06/2001 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130265 | 0.8488 | 1.0000 | 128    | 30/11/1990 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130266 | 0.8488 | 1.0000 | 71.5   | 15/04/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130267 | 0.8222 | 1.0000 | 27.3   | 7/12/1988  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130268 | 0.8488 | 1.0000 | 87     | 28/06/1978 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130269 | 0.8222 | 1.0000 | 2.9    | 22/12/1989 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130270 | 0.8488 | 1.0000 | 72     | 16/11/1982 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130271 | 0.8488 | 1.0000 | 85     | 9/06/1988  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130272 | 0.8222 | 1.0000 | 102.5  | 15/02/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130273 | 0.8488 | 1.0000 | 33.8   | 29/05/1977 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130274 | 0.8488 | 1.0000 | 4.7    | 30/05/1977 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130275 | 0.8488 | 1.0000 | 5.3    | 29/05/1977 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130276 | 0.8488 | 1.0000 | 9.3    | 17/03/1978 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130277 | 0.8488 | 1.0000 | 201.4  | 20/12/1987 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130278 | 0.8488 | 1.0000 | 1      | 23/05/1985 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130279 | 0.8488 | 1.0000 | 1.64   | 25/08/1985 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130280 | 0.8488 | 1.0000 | 14.84  | 28/12/1984 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130281 | 0.8488 | 1.0000 | 72.87  | 31/08/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130282 | 0.8222 | 1.0000 | 60     | 15/10/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310130283 | 0.8488 | 1.0000 | 37.7   | 8/06/1982  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130284 | 0.8488 | 1.0000 | 48.3   | 8/06/1982  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130285 | 0.8488 | 1.0000 | 17.8   | 28/06/1978 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130286 | 0.8488 | 1.0000 | 126.5  | 15/09/1988 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130287 | 0.7881 | 1.0000 | 165    | 15/10/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130288 | 0.8488 | 1.0000 | 50     | 28/03/1977 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130289 | 0.8488 | 1.0000 | 31.3   | 10/04/1977 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130290 | 0.8488 | 1.0000 | 34     | 24/04/1980 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130291 | 0.8488 | 1.0000 | 25     | 31/08/1980 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130292 | 0.8488 | 1.0000 | 43     | 20/09/1980 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130293 | 0.8488 | 1.0000 | 55     | 7/06/1978  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130294 | 0.8488 | 1.0000 | 133.3  | 22/07/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130295 | 0.7881 | 1.0000 | 62.5   | 24/02/1986 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130296 | 0.7881 | 1.0000 | 136    | 21/06/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130297 | 0.8488 | 1.0000 | 32.4   | 28/04/1977 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130298 | 0.8488 | 1.0000 | 19.6   | 17/08/1982 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130299 | 0.8488 | 1.0000 | 2      | 2/03/1981  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130300 | 0.8488 | 1.0000 | 10     | 27/07/1980 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130301 | 0.8488 | 1.0000 | 1      | 4/12/1980  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130304 | 0.8222 | 1.0000 | 60     |            | HBP, Producing | Below Top Queenstn   |
| NY | O&G | Empire Energy E&P, LLC | 310130305 | 0.8222 | 1.0000 | 215    | 31/05/1974 | HBP, Producing | Below Top Queenstn   |
| NY | O&G | Empire Energy E&P, LLC | 310130306 | 0.8488 | 1.0000 | 3.5    | 18/01/1980 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130307 | 0.8488 | 1.0000 | 2      | 10/04/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130308 | 0.8488 | 1.0000 | 19.8   | 25/03/2002 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130309 | 0.7881 | 1.0000 | 191    | 28/06/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130310 | 0.7881 | 1.0000 | 90     | 8/10/1985  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130311 | 0.8488 | 1.0000 | 3      | 7/05/1983  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130312 | 0.8488 | 1.0000 | 10.6   | 16/06/1977 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130313 | 0.8488 | 1.0000 | 1.7    | 16/06/1978 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130314 | 0.8488 | 1.0000 | 116    | 11/04/1980 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130315 | 0.7881 | 1.0000 | 135    | 14/07/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130316 | 0.8488 | 1.0000 | 96.879 | 18/07/1987 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130317 | 0.8488 | 1.0000 | 3      | 5/11/1987  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130318 | 0.8488 | 1.0000 | 2      | 3/11/1987  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130319 | 0.8222 | 1.0000 | 242    | 31/05/1983 | HBP, Producing | Below Top Queenstn   |
| NY | O&G | Empire Energy E&P, LLC | 310130320 | 0.8222 | 1.0000 | 20     | 19/11/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130321 | 0.8222 | 1.0000 | 50     | 26/06/1983 | HBP, Producing | Below Top Queenstn   |
| NY | O&G | Empire Energy E&P, LLC | 310130322 | 0.8184 | 1.0000 | 146    | 7/05/1990  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130323 | 0.8488 | 1.0000 | 281.7  | 12/02/1991 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130324 | 0.8222 | 1.0000 | 250    | 14/06/1983 | HBP, Producing | Below Top Queenstn   |
| NY | O&G | Empire Energy E&P, LLC | 310130325 | 0.8222 | 1.0000 | 38.2   | 20/06/1983 | HBP, Producing | Below Top Queenstn   |
| NY | O&G | Empire Energy E&P, LLC | 310130326 | 0.8488 | 1.0000 | 2.3    | 22/01/1990 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130327 | 0.8488 | 1.0000 | 257    | 16/05/1980 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130328 | 0.8488 | 1.0000 | 53.4   | 7/11/1985  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130329 | 0.8488 | 1.0000 | 75     | 11/01/1990 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130330 | 0.7957 | 1.0000 | 56     | 11/01/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310130331 | 0.8488 | 1.0000 | 5      | 16/06/1987 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130332 | 0.8488 | 1.0000 | 30     | 10/02/1987 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130333 | 0.8488 | 1.0000 | 12     |            | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130334 | 0.8488 | 1.0000 | 15.9   | 3/06/1987  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130335 | 0.8488 | 1.0000 | 77.9   | 2/07/1985  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130336 | 0.8488 | 1.0000 | 5.1    | 23/08/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130337 | 0.8488 | 1.0000 | 116    | 24/09/1987 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130338 | 0.7881 | 1.0000 | 109    | 18/12/1985 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130339 | 0.7275 | 1.0000 | 1.32   | 12/07/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130340 | 0.8095 | 1.0000 | 16.7   | 6/01/2003  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130341 | 0.8488 | 1.0000 | 29.9   | 18/08/1979 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130342 | 0.8488 | 1.0000 | 9.2    | 31/08/1979 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130343 | 0.8488 | 1.0000 | 9      | 2/06/1980  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130344 | 0.8488 | 1.0000 | 22.3   | 9/11/1977  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130346 | 0.8488 | 1.0000 | 25     | 15/09/1979 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130347 | 0.8488 | 1.0000 | 185.5  | 12/08/1979 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130348 | 0.8488 | 1.0000 | 50     | 8/09/1979  | HBP, Producing | All Horizons         |

|    |     |                        |           |        |        |       |            |                |                      |
|----|-----|------------------------|-----------|--------|--------|-------|------------|----------------|----------------------|
| NY | O&G | Empire Energy E&P, LLC | 310130349 | 0.8488 | 1.0000 | 33.5  | 11/11/1977 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130350 | 0.8488 | 1.0000 | 92.6  | 28/02/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130351 | 0.8488 | 1.0000 | 15.2  |            | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130353 | 0.8488 | 1.0000 | 160   | 20/06/1974 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130354 | 0.8222 | 1.0000 | 183.5 | 31/05/1974 | HBP, Producing | Below Top Queenstn   |
| NY | O&G | Empire Energy E&P, LLC | 310130355 | 0.7881 | 1.0000 | 40    | 1/09/1983  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310130356 | 0.7881 | 1.0000 | 50    | 2/09/1983  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130357 | 0.7926 | 1.0000 | 6.1   | 13/03/1984 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130358 | 0.8488 | 1.0000 | 1.9   | 13/03/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130359 | 0.8488 | 1.0000 | 0.4   | 13/03/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130360 | 0.8488 | 1.0000 | 1.9   | 13/03/2002 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130361 | 0.8488 | 1.0000 | 4     | 13/03/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130362 | 0.7881 | 1.0000 | 31    | 2/09/1983  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130363 | 0.7881 | 1.0000 | 87    | 31/07/1974 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130364 | 0.8488 | 1.0000 | 36    | 11/06/1977 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130365 | 0.8222 | 1.0000 | 60    | 26/06/1983 | HBP, Producing | Below Top Queenstn   |
| NY | O&G | Empire Energy E&P, LLC | 310130366 | 0.8488 | 1.0000 | 49    | 16/04/1978 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130367 | 0.8488 | 1.0000 | 85    | 28/02/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130368 | 0.7881 | 1.0000 | 100   | 21/08/1984 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130369 | 0.7881 | 1.0000 | 78    | 4/07/1984  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130370 | 0.8222 | 1.0000 | 215   | 26/06/1983 | HBP, Producing | Below Top Queenstn   |
| NY | O&G | Empire Energy E&P, LLC | 310130371 | 0.8488 | 1.0000 | 162   | 16/03/1982 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130372 | 0.8488 | 1.0000 | 6.1   | 14/06/1988 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130373 | 0.8488 | 1.0000 | 20    | 8/06/1983  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130374 | 0.8488 | 1.0000 | 7     | 9/06/1983  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130375 | 0.8222 | 1.0000 | 77    | 26/06/1974 | HBP, Producing | Below Top Queenstn   |
| NY | O&G | Empire Energy E&P, LLC | 310130376 | 0.8357 | 1.0000 | 11.3  | 31/01/1991 | HBP, Producing | Surface Top Onondga  |
| NY | O&G | Empire Energy E&P, LLC | 310130377 | 0.8488 | 1.0000 | 9.3   | 13/12/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130378 | 0.8488 | 1.0000 | 4.6   | 12/11/1990 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130379 | 0.8488 | 1.0000 | 1     | 4/05/2001  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130380 | 0.8488 | 1.0000 | 1     | 9/05/1991  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130381 | 0.8488 | 1.0000 | 1.3   | 9/05/2001  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130382 | 0.7881 | 1.0000 | 13    | 14/04/1982 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130383 | 0.7881 | 1.0000 | 60    | 6/04/1982  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130384 | 0.8488 | 1.0000 | 314.5 | 18/06/2001 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130385 | 0.7881 | 1.0000 | 135   | 9/01/1976  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130386 | 0.7881 | 1.0000 | 40.3  | 4/02/1985  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130387 | 0.8488 | 1.0000 | 3.2   | 15/04/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130388 | 0.8488 | 1.0000 | 2.9   | 15/04/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130389 | 0.8488 | 1.0000 | 35    | 15/04/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130390 | 0.8488 | 1.0000 | 103   | 15/04/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130391 | 0.7881 | 1.0000 | 920.2 | 30/08/1979 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130392 | 0.8488 | 1.0000 | 170   | 20/10/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130393 | 0.8488 | 1.0000 | 125.4 | 19/11/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130394 | 0.8488 | 1.0000 | 15.4  | 10/02/1982 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130395 | 0.8488 | 1.0000 | 12.7  | 31/12/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130396 | 0.8488 | 1.0000 | 40    | 7/07/1989  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130397 | 0.8222 | 1.0000 | 62.8  | 15/06/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310130398 | 0.7275 | 1.0000 | 135   | 15/06/1983 | HBP, Producing | Below Top Queenstn   |
| NY | O&G | Empire Energy E&P, LLC | 310130399 | 0.8488 | 1.0000 | 135.3 | 14/08/1984 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130400 | 0.8488 | 1.0000 | 16    | 9/03/1988  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130401 | 0.8488 | 1.0000 | 8     | 27/02/1988 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130402 | 0.8488 | 1.0000 | 8     | 3/03/2003  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130403 | 0.8488 | 1.0000 | 50.5  | 6/09/1983  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130404 | 0.8488 | 1.0000 | 42    | 11/12/1985 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130405 | 0.8488 | 1.0000 | 13.63 | 5/08/1983  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130406 | 0.8488 | 1.0000 | 7.06  | 5/08/1983  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130407 | 0.8488 | 1.0000 | 41    | 26/10/1985 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130408 | 0.8222 | 1.0000 | 317   | 28/05/2035 | HBP, Producing | Below Top Queenstn   |
| NY | O&G | Empire Energy E&P, LLC | 310130410 | 0.7881 | 1.0000 | 89.2  | 21/01/1986 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130411 | 0.8488 | 1.0000 | 37    | 13/03/1982 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130414 | 0.8488 | 1.0000 | 43    | 29/06/2001 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130415 | 0.8488 | 1.0000 | 0.49  | 31/10/1985 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130416 | 0.8488 | 1.0000 | 321.3 | 26/10/2004 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130417 | 0.8488 | 1.0000 | 20.2  | 16/06/1977 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130418 | 0.8488 | 1.0000 | 50    | 17/04/1977 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130419 | 0.8488 | 1.0000 | 17.8  | 10/03/1977 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130420 | 0.8488 | 1.0000 | 85    | 15/03/1977 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130421 | 0.8488 | 1.0000 | 3     | 31/03/1977 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130422 | 0.8488 | 1.0000 | 1.5   | 8/01/1980  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130423 | 0.8488 | 1.0000 | 31.2  | 10/07/1977 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130424 | 0.8488 | 1.0000 | 126   | 20/04/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130425 | 0.8488 | 1.0000 | 15    | 31/10/1980 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130426 | 0.8488 | 1.0000 | 11    | 28/02/1987 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130427 | 0.8222 | 1.0000 | 204   | 14/06/1983 | HBP, Producing | Below Top Queenstn   |
| NY | O&G | Empire Energy E&P, LLC | 310130428 | 0.8222 | 1.0000 | 36    | 14/06/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130429 | 0.7881 | 1.0000 | 201   | 19/06/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130430 | 0.8488 | 1.0000 | 79.3  | 15/12/2001 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130431 | 0.8488 | 1.0000 | 80    | 28/06/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130432 | 0.8222 | 1.0000 | 50    | 5/03/1984  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310130433 | 0.8488 | 1.0000 | 7     | 4/11/1985  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130434 | 0.8488 | 1.0000 | 8.7   | 23/02/2003 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130435 | 0.8488 | 1.0000 | 24    | 7/08/1984  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130436 | 0.8488 | 1.0000 | 43.8  | 8/02/1980  | HBP, Producing | All Horizons         |

|    |     |                        |           |        |        |        |            |                |                      |
|----|-----|------------------------|-----------|--------|--------|--------|------------|----------------|----------------------|
| NY | O&G | Empire Energy E&P, LLC | 310130437 | 0.7881 | 1.0000 | 174    | 3/11/1981  | HBP, Producing | Below BTM Med Whirl  |
| NY | O&G | Empire Energy E&P, LLC | 310130438 | 0.8488 | 1.0000 | 27.9   | 19/10/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130439 | 0.8488 | 1.0000 | 4.3    | 24/10/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130440 | 0.8488 | 1.0000 | 7.9    | 9/11/1981  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130441 | 0.8488 | 1.0000 | 5.9    | 6/11/1981  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130442 | 0.8488 | 1.0000 | 2      | 3/12/1981  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130443 | 0.8488 | 1.0000 | 5.1    | 26/11/1987 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130444 | 0.8488 | 1.0000 | 3.6    | 25/11/1987 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130445 | 0.8488 | 1.0000 | 24.4   | 28/11/1987 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130446 | 0.7881 | 1.0000 | 44     | 24/12/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130447 | 0.8222 | 1.0000 | 170    | 14/06/1983 | HBP, Producing | Below Top Queenstn   |
| NY | O&G | Empire Energy E&P, LLC | 310130449 | 0.7881 | 1.0000 | 68     | 18/11/1985 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130450 | 0.8488 | 1.0000 | 0.3    | 30/09/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130451 | 0.8488 | 1.0000 | 18     | 4/10/1977  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130452 | 0.8488 | 1.0000 | 31     | 11/06/1977 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130453 | 0.8488 | 1.0000 | 71.5   | 30/06/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130454 | 0.8488 | 1.0000 | 20     | 21/11/1985 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130455 | 0.8488 | 1.0000 | 160    | 23/06/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130456 | 0.8488 | 1.0000 | 6      | 14/01/1984 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130457 | 0.8488 | 1.0000 | 70     | 5/05/1977  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130458 | 0.8488 | 1.0000 | 107    | 5/08/1979  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130459 | 0.8488 | 1.0000 | 2      | 19/12/1979 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130460 | 0.8488 | 1.0000 | 2.8    | 27/09/1979 | HBP, Producing | Surface Top Onondga  |
| NY | O&G | Empire Energy E&P, LLC | 310130461 | 0.8488 | 1.0000 | 10     | 1/06/1979  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130462 | 0.8488 | 1.0000 | 361    | 28/10/1985 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130463 | 0.8488 | 1.0000 | 268.8  | 30/05/1984 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130464 | 0.8488 | 1.0000 | 58     | 27/12/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130465 | 0.7881 | 1.0000 | 255    | 13/07/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130466 | 0.8488 | 1.0000 | 29     | 29/12/1978 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130467 | 0.8488 | 1.0000 | 23.6   | 28/10/1978 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130468 | 0.8488 | 1.0000 | 34.9   | 8/11/1979  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130469 | 0.8488 | 1.0000 | 1      | 14/11/1979 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130472 | 0.8488 | 1.0000 | 4      | 2/03/1980  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130473 | 0.8488 | 1.0000 | 8.5    | 5/12/1979  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130474 | 0.8488 | 1.0000 | 1.3    | 10/11/1979 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130475 | 0.8488 | 1.0000 | 140.73 | 6/01/1988  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130476 | 0.8488 | 1.0000 | 13.6   | 3/09/1990  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130477 | 0.8488 | 1.0000 | 4      | 8/10/1980  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130478 | 0.8488 | 1.0000 | 1      | 5/08/1990  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130480 | 0.8222 | 1.0000 | 212    | 21/06/1983 | HBP, Producing | Below Top Queenstn   |
| NY | O&G | Empire Energy E&P, LLC | 310130481 | 0.8488 | 1.0000 | 32     | 23/11/1989 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130482 | 0.8222 | 1.0000 | 46.2   | 20/06/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130483 | 0.8488 | 1.0000 | 291.9  | 10/09/2001 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130484 | 0.7881 | 1.0000 | 194    | 3/09/1980  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130485 | 0.8488 | 1.0000 | 101.75 | 26/02/1986 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130486 | 0.8184 | 1.0000 | 50.4   | 6/09/1990  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130487 | 0.8488 | 1.0000 | 75.5   | 28/04/1985 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130488 | 0.8488 | 1.0000 | 6.1    | 23/09/1989 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130489 | 0.8488 | 1.0000 | 6.4    | 30/01/1989 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130490 | 0.8488 | 1.0000 | 18     | 30/01/1989 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130492 | 0.8488 | 1.0000 | 123.9  | 12/02/1989 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130493 | 0.8222 | 1.0000 | 199    | 21/08/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310130494 | 0.8222 | 1.0000 | 198    | 13/06/1983 | HBP, Producing | Below Top Queenstn   |
| NY | O&G | Empire Energy E&P, LLC | 310130495 | 0.8488 | 1.0000 | 34.3   | 3/05/2002  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130496 | 0.8488 | 1.0000 | 27.5   | 11/07/1984 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130497 | 0.8488 | 1.0000 | 55.3   | 21/02/1982 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130498 | 0.8488 | 1.0000 | 20     | 13/07/1984 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130499 | 0.8488 | 1.0000 | 2.3    | 11/07/1984 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130500 | 0.8488 | 1.0000 | 46.1   | 11/07/1984 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130501 | 0.8488 | 1.0000 | 50     | 11/12/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130502 | 0.8488 | 1.0000 | 89.6   | 7/05/1982  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130509 | 0.8488 | 1.0000 | 9.5    | 25/08/1978 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130520 | 0.8488 | 1.0000 | 7      | 30/12/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130521 | 0.8488 | 1.0000 | 7.4    | 30/12/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130522 | 0.8488 | 1.0000 | 15     | 17/02/1982 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130523 | 0.8488 | 1.0000 | 41.6   | 18/12/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130524 | 0.8488 | 1.0000 | 28     | 8/12/1981  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130525 | 0.8222 | 1.0000 | 100    | 26/06/1983 | HBP, Producing | Below Top Queenstn   |
| NY | O&G | Empire Energy E&P, LLC | 310130526 | 0.8222 | 1.0000 | 10.1   | 10/07/1982 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130527 | 0.7881 | 1.0000 | 119    | 18/07/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130528 | 0.7881 | 1.0000 | 58     | 27/08/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130529 | 0.8488 | 1.0000 | 55.5   | 17/04/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130530 | 0.8488 | 1.0000 | 138    | 31/12/1990 | HBP, Producing | Below BTM Med Whirl  |
| NY | O&G | Empire Energy E&P, LLC | 310130531 | 0.7881 | 1.0000 | 403.5  | 18/04/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130532 | 0.7881 | 1.0000 | 20     | 5/03/1982  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130533 | 0.8488 | 1.0000 | 2.5    | 8/06/2001  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130534 | 0.8488 | 1.0000 | 1      | 3/06/2001  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130535 | 0.8488 | 1.0000 | 0.756  | 8/06/2001  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130536 | 0.8488 | 1.0000 | 44     | 13/05/2001 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130537 | 0.8488 | 1.0000 | 59     | 4/05/1983  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130538 | 0.8488 | 1.0000 | 10     | 16/01/1986 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130539 | 0.8488 | 1.0000 | 7.7    | 3/11/1990  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130540 | 0.7881 | 1.0000 | 90     | 21/03/1982 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130541 | 0.7881 | 1.0000 | 10     | 19/05/1982 | HBP, Producing | All Horizons         |

|    |     |                        |           |        |        |       |            |                |                      |
|----|-----|------------------------|-----------|--------|--------|-------|------------|----------------|----------------------|
| NY | O&G | Empire Energy E&P, LLC | 310130543 | 0.8488 | 1.0000 | 116.6 | 17/07/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130544 | 0.7881 | 1.0000 | 34    | 19/03/1987 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130545 | 0.7881 | 1.0000 | 10    | 30/03/1987 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130546 | 0.7881 | 1.0000 | 10    | 19/03/1987 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130547 | 0.7881 | 1.0000 | 18.5  | 19/03/1989 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130548 | 0.8222 | 1.0000 | 124   | 18/06/1983 | HBP, Producing | Below Top Queenstn   |
| NY | O&G | Empire Energy E&P, LLC | 310130549 | 0.8222 | 1.0000 | 179   | 30/05/1983 | HBP, Producing | Below Top Queenstn   |
| NY | O&G | Empire Energy E&P, LLC | 310130550 | 0.8488 | 1.0000 | 3     | 28/02/1985 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130551 | 0.8488 | 1.0000 | 120   | 9/01/1983  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130552 | 0.7881 | 1.0000 | 321   | 12/07/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130553 | 0.8488 | 1.0000 | 103.5 | 15/11/1986 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130554 | 0.8488 | 1.0000 | 182.5 | 5/06/2001  | HBP, Producing | Below Top Queenstn   |
| NY | O&G | Empire Energy E&P, LLC | 310130555 | 0.8488 | 1.0000 | 47.8  | 11/08/1978 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130556 | 0.8488 | 1.0000 | 8     | 19/08/1979 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130557 | 0.8488 | 1.0000 | 1     | 6/05/1984  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130558 | 0.8488 | 1.0000 | 2.4   | 10/03/1980 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130559 | 0.8488 | 1.0000 | 7.7   | 18/02/1980 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130560 | 0.7881 | 1.0000 | 214   | 21/08/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130561 | 0.8488 | 1.0000 | 24.8  | 7/05/1982  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130562 | 0.8488 | 1.0000 | 6.7   | 23/01/1980 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130563 | 0.8488 | 1.0000 | 5.23  | 23/01/1980 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130564 | 0.8488 | 1.0000 | 3.8   | 14/05/1989 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130565 | 0.8488 | 1.0000 | 19.9  | 12/07/1980 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130566 | 0.8488 | 1.0000 | 1.5   | 6/02/1990  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130567 | 0.8488 | 1.0000 | 9.7   | 5/01/1981  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130568 | 0.8488 | 1.0000 | 6     | 24/07/1980 | HBP, Producing | Surface Top Onondga  |
| NY | O&G | Empire Energy E&P, LLC | 310130569 | 0.8488 | 1.0000 | 5.2   | 12/05/1980 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130570 | 0.8222 | 1.0000 | 410   | 13/06/1983 | HBP, Producing | Below Top Queenstn   |
| NY | O&G | Empire Energy E&P, LLC | 310130571 | 0.8222 | 1.0000 | 50    | 21/08/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310130573 | 0.8488 | 1.0000 | 113.2 | 13/02/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130574 | 0.7881 | 1.0000 | 117   | 29/08/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130575 | 0.7881 | 1.0000 | 136   | 29/08/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130576 | 0.8488 | 1.0000 | 9     | 31/10/1982 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130577 | 0.7881 | 1.0000 | 280   | 11/09/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130578 | 0.8488 | 1.0000 | 0.603 | 17/06/1982 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130579 | 0.7881 | 1.0000 | 155   | 29/08/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130580 | 0.8488 | 1.0000 | 1     | 2/06/1982  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130581 | 0.8488 | 1.0000 | 1     | 9/06/1982  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130582 | 0.7881 | 1.0000 | 159   | 9/07/1983  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130583 | 0.8488 | 1.0000 | 1     | 12/01/1984 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130585 | 0.8488 | 1.0000 | 32.5  | 7/12/1981  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130586 | 0.8184 | 1.0000 | 60    | 4/10/1984  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130587 | 0.8488 | 1.0000 | 132   | 15/03/1988 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130588 | 0.8488 | 1.0000 | 174.6 | 19/06/1987 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130589 | 0.8488 | 1.0000 | 0.76  | 28/08/1987 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130590 | 0.8488 | 1.0000 | 33.4  | 8/06/1979  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130591 | 0.8488 | 1.0000 | 31.1  | 29/03/1979 | HBP, Producing | Restricted Depths    |
| NY | O&G | Empire Energy E&P, LLC | 310130592 | 0.8488 | 1.0000 | 32.3  | 24/04/1979 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130593 | 0.8488 | 1.0000 | 19.1  | 22/10/1978 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130594 | 0.8488 | 1.0000 | 17.4  | 24/08/1978 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130595 | 0.8488 | 1.0000 | 46    | 7/11/1983  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130596 | 0.8488 | 1.0000 | 41.4  | 15/02/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130597 | 0.8488 | 1.0000 | 14.5  | 24/06/1978 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130598 | 0.8488 | 1.0000 | 170   | 31/03/1988 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130599 | 0.8488 | 1.0000 | 60    | 22/07/1988 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130600 | 0.8488 | 1.0000 | 61.1  | 14/08/1988 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130601 | 0.7881 | 1.0000 | 60    | 5/01/1974  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130602 | 0.8488 | 1.0000 | 68.2  | 8/05/1980  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130603 | 0.8488 | 1.0000 | 12.3  | 18/04/1978 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130604 | 0.8488 | 1.0000 | 20    | 13/10/2001 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130605 | 0.8488 | 1.0000 | 5     | 18/04/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130606 | 0.8488 | 1.0000 | 20    | 14/09/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130607 | 0.8488 | 1.0000 | 15    | 24/04/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130608 | 0.8488 | 1.0000 | 26.9  | 10/06/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130609 | 0.8488 | 1.0000 | 25    | 11/05/1982 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130610 | 0.8488 | 1.0000 | 28.7  | 10/06/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130611 | 0.8488 | 1.0000 | 44    | 8/04/1989  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130612 | 0.8488 | 1.0000 | 7.2   | 1/01/1981  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130613 | 0.8488 | 1.0000 | 60.4  | 8/08/1981  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130614 | 0.8488 | 1.0000 | 38.2  | 24/02/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130615 | 0.8488 | 1.0000 | 38.2  | 28/02/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130616 | 0.8488 | 1.0000 | 109.9 | 15/03/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310130617 | 0.8488 | 1.0000 | 142.6 | 26/06/1987 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130618 | 0.8488 | 1.0000 | 3     | 18/06/1987 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130619 | 0.8488 | 1.0000 | 28    | 25/07/1979 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130620 | 0.8488 | 1.0000 | 74    | 2/07/2020  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130621 | 0.8488 | 1.0000 | 50    | 10/09/1977 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130622 | 0.8488 | 1.0000 | 35    | 11/11/1977 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130623 | 0.8488 | 1.0000 | 326   | 13/01/1985 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130624 | 0.7881 | 1.0000 | 194   | 9/10/1983  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130625 | 0.7881 | 1.0000 | 83    | 9/10/1973  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130626 | 0.8488 | 1.0000 | 1     | 8/07/2002  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130627 | 0.8488 | 1.0000 | 4.5   | 27/06/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130628 | 0.8222 | 1.0000 | 283   | 22/08/1983 | HBP, Producing | Below Top Queenstn   |

|    |     |                        |           |        |        |       |            |                |                      |
|----|-----|------------------------|-----------|--------|--------|-------|------------|----------------|----------------------|
| NY | O&G | Empire Energy E&P, LLC | 310130629 | 0.7275 | 1.0000 | 190.3 | 25/07/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310130630 | 0.8488 | 1.0000 | 1     | 13/12/1985 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130631 | 0.8488 | 1.0000 | 0.53  | 13/12/1985 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130632 | 0.7881 | 1.0000 | 44    | 11/12/1985 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130633 | 0.8488 | 1.0000 | 23.1  | 30/09/1984 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130634 | 0.8488 | 1.0000 | 47.4  | 30/09/1985 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130635 | 0.8488 | 1.0000 | 1.13  | 17/10/1985 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130636 | 0.8488 | 1.0000 | 1.5   | 23/09/1985 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130637 | 0.8488 | 1.0000 | 25.5  | 30/09/1985 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130638 | 0.7881 | 1.0000 | 160   | 24/05/1983 | HBP, Producing | Below Top Queenstn   |
| NY | O&G | Empire Energy E&P, LLC | 310130639 | 0.8488 | 1.0000 | 21.9  | 11/01/1980 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130640 | 0.7881 | 1.0000 | 100   | 3/10/1993  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130641 | 0.7881 | 1.0000 | 185   | 9/10/1993  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130642 | 0.8488 | 1.0000 | 77.5  | 29/01/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130643 | 0.8488 | 1.0000 | 76.6  | 27/01/1982 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130644 | 0.8488 | 1.0000 | 6     | 6/10/1983  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130645 | 0.8222 | 1.0000 | 200   | 26/08/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310130646 | 0.8488 | 1.0000 | 7     | 18/09/1982 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130647 | 0.8488 | 1.0000 | 60.61 | 13/04/1982 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130648 | 0.8488 | 1.0000 | 294   | 24/10/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310130649 | 0.8488 | 1.0000 | 22.93 | 11/03/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130650 | 0.8488 | 1.0000 | 217   | 29/03/1989 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130651 | 0.8488 | 1.0000 | 272   | 29/06/1983 | HBP, Producing | Below Top Queenstn   |
| NY | O&G | Empire Energy E&P, LLC | 310130652 | 0.8488 | 1.0000 | 1.26  | 27/11/2001 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130653 | 0.8488 | 1.0000 | 0.34  | 8/01/2002  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130654 | 0.8488 | 1.0000 | 78    | 11/06/1987 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130655 | 0.8488 | 1.0000 | 10.98 | 16/03/1989 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130656 | 0.8222 | 1.0000 | 48    | 2/08/1983  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130657 | 0.8488 | 1.0000 | 56.2  | 22/07/1988 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130658 | 0.8488 | 1.0000 | 64.1  | 28/03/1989 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130659 | 0.8488 | 1.0000 | 75    | 2/12/1984  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130660 | 0.8184 | 1.0000 | 18.3  | 22/01/1986 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130664 | 0.8488 | 1.0000 | 131   | 26/06/1989 | HBP, Producing | Restricted Depths    |
| NY | O&G | Empire Energy E&P, LLC | 310130665 | 0.8488 | 1.0000 | 93    | 26/06/1984 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130666 | 0.8488 | 1.0000 | 50    | 1/09/1984  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130667 | 0.8488 | 1.0000 | 86    | 10/06/1988 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130668 | 0.7275 | 1.0000 | 21    | 20/12/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130669 | 0.8488 | 1.0000 | 73    | 22/03/1989 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130670 | 0.8488 | 1.0000 | 147.2 | 29/03/1989 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130671 | 0.8488 | 1.0000 | 73    | 28/06/1988 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130672 | 0.8488 | 1.0000 | 86.8  | 29/05/1980 | HBP, Producing | Restricted Depths    |
| NY | O&G | Empire Energy E&P, LLC | 310130673 | 0.8488 | 1.0000 | 35.5  | 13/05/1980 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130674 | 0.8488 | 1.0000 | 50    | 13/01/1988 | HBP, Producing | Below BTM Med Whirl  |
| NY | O&G | Empire Energy E&P, LLC | 310130675 | 0.8488 | 1.0000 | 6.3   | 10/06/1983 | HBP, Producing | Surface Top Onondga  |
| NY | O&G | Empire Energy E&P, LLC | 310130676 | 0.8488 | 1.0000 | 6.7   | 10/06/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130677 | 0.8488 | 1.0000 | 1.8   | 9/06/1983  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130678 | 0.8488 | 1.0000 | 4.5   | 8/06/1984  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130679 | 0.7881 | 1.0000 | 63    | 30/09/1983 | HBP, Producing | Surface BTM Clinton  |
| NY | O&G | Empire Energy E&P, LLC | 310130680 | 0.8488 | 1.0000 | 8.4   | 3/01/1982  | HBP, Producing | Restricted Depths    |
| NY | O&G | Empire Energy E&P, LLC | 310130681 | 0.8488 | 1.0000 | 13.2  | 18/06/1982 | HBP, Producing | Restricted Depths    |
| NY | O&G | Empire Energy E&P, LLC | 310130682 | 0.8488 | 1.0000 | 7.7   | 29/05/1982 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130683 | 0.8488 | 1.0000 | 21.1  | 7/11/1981  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130684 | 0.8488 | 1.0000 | 358.4 | 27/06/1989 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130685 | 0.8488 | 1.0000 | 1.24  | 9/10/1981  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130686 | 0.8488 | 1.0000 | 69.4  | 7/11/1981  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130687 | 0.7881 | 1.0000 | 177   | 10/10/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130688 | 0.8488 | 1.0000 | 1     | 13/08/1990 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130689 | 0.8488 | 1.0000 | 80.7  | 17/04/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130690 | 0.7881 | 1.0000 | 66.5  | 14/08/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130691 | 0.8488 | 1.0000 | 43.7  | 1/06/1987  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130692 | 0.8488 | 1.0000 | 63.6  | 1/08/1978  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130693 | 0.8488 | 1.0000 | 17    | 8/08/1978  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130694 | 0.8488 | 1.0000 | 11    | 27/07/1978 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130695 | 0.8488 | 1.0000 | 50    | 24/05/1989 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130696 | 0.7881 | 1.0000 | 59    | 18/07/1984 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130697 | 0.8360 | 1.0000 | 86    | 16/08/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130698 | 0.8488 | 1.0000 | 7.8   | 28/10/1989 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130699 | 0.8488 | 1.0000 | 3.4   | 31/10/1989 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130700 | 0.8488 | 1.0000 | 28.7  | 28/10/1989 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310130701 | 0.8488 | 1.0000 | 111.4 | 12/03/1989 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130702 | 0.8488 | 1.0000 | 1.46  | 15/04/1989 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130704 | 0.7881 | 1.0000 | 40    | 17/03/1987 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130705 | 0.8488 | 1.0000 | 1.4   | 25/03/1982 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130706 | 0.8488 | 1.0000 | 0.85  | 8/01/1991  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130707 | 0.8488 | 1.0000 | 152.7 | 17/04/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130708 | 0.8488 | 1.0000 | 303.2 | 20/04/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130709 | 0.8488 | 1.0000 | 46.7  | 10/01/1980 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130710 | 0.8488 | 1.0000 | 0.75  | 1/12/1979  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130711 | 0.8488 | 1.0000 | 4.5   | 5/07/1980  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130712 | 0.8488 | 1.0000 | 0.6   | 31/01/1980 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130713 | 0.8488 | 1.0000 | 1.9   | 1/02/1980  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130714 | 0.8488 | 1.0000 | 2.1   | 30/01/1980 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130715 | 0.8488 | 1.0000 | 0.5   | 2/02/1980  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130716 | 0.8488 | 1.0000 | 0.5   | 18/01/1980 | HBP, Producing | All Horizons         |

|    |     |                        |           |        |        |        |            |                |                      |
|----|-----|------------------------|-----------|--------|--------|--------|------------|----------------|----------------------|
| NY | O&G | Empire Energy E&P, LLC | 310130717 | 0.8488 | 1.0000 | 28     | 10/06/1983 | HBP, Producing | Surface Top Onondga  |
| NY | O&G | Empire Energy E&P, LLC | 310130718 | 0.8488 | 1.0000 | 1      | 6/07/1983  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130719 | 0.8488 | 1.0000 | 7.4    | 14/06/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130720 | 0.8488 | 1.0000 | 4.1    | 7/09/1981  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130721 | 0.8488 | 1.0000 | 4.7    | 6/02/1984  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130722 | 0.8488 | 1.0000 | 19     | 13/01/1984 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130723 | 0.8488 | 1.0000 | 72.5   | 10/06/1978 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130724 | 0.8488 | 1.0000 | 22.17  | 12/03/1992 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130725 | 0.8488 | 1.0000 | 168    | 2/08/1977  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130726 | 0.7881 | 1.0000 | 336    | 10/10/1993 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130728 | 0.8488 | 1.0000 | 151.8  | 10/02/1984 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130729 | 0.7881 | 1.0000 | 18.5   | 19/03/1986 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130730 | 0.7881 | 1.0000 | 36     | 17/03/1987 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130731 | 0.7881 | 1.0000 | 492.3  | 18/04/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130732 | 0.8488 | 1.0000 | 6      | 14/01/1991 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130733 | 0.8488 | 1.0000 | 1      | 3/05/1985  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130734 | 0.8488 | 1.0000 | 2.2    | 1/06/1985  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130735 | 0.8488 | 1.0000 | 2.2    | 6/04/1985  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130736 | 0.8488 | 1.0000 | 60     | 30/06/1988 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130739 | 0.8488 | 1.0000 | 26.9   | 12/10/1988 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130740 | 0.8488 | 1.0000 | 85     | 25/09/2004 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130741 | 0.8488 | 1.0000 | 104    | 5/06/1987  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130742 | 0.8488 | 1.0000 | 5      | 6/01/1980  | HBP, Producing | Surface Top Onondga  |
| NY | O&G | Empire Energy E&P, LLC | 310130743 | 0.8488 | 1.0000 | 5      | 9/08/1979  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130744 | 0.8488 | 1.0000 | 9      | 30/08/1979 | HBP, Producing | Surface Top Onondga  |
| NY | O&G | Empire Energy E&P, LLC | 310130745 | 0.8488 | 1.0000 | 13.5   | 31/08/1979 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130746 | 0.8488 | 1.0000 | 19.3   | 16/07/1979 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130750 | 0.7881 | 1.0000 | 319    | 10/10/1993 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130751 | 0.8488 | 1.0000 | 129.4  | 19/01/1984 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130752 | 0.8488 | 1.0000 | 96     | 28/08/1986 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130754 | 0.8488 | 1.0000 | 131    | 28/03/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130755 | 0.8222 | 1.0000 | 68     | 28/06/1983 | HBP, Producing | Below Top Queenstn   |
| NY | O&G | Empire Energy E&P, LLC | 310130756 | 0.8488 | 1.0000 | 18.3   | 24/07/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130757 | 0.7881 | 1.0000 | 18     | 29/10/1985 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130760 | 0.8488 | 1.0000 | 100.1  | 13/09/1988 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130761 | 0.8488 | 1.0000 | 60     | 28/08/1988 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130762 | 0.8222 | 1.0000 | 239    | 19/06/1983 | HBP, Producing | Below Top Queenstn   |
| NY | O&G | Empire Energy E&P, LLC | 310130763 | 0.8488 | 1.0000 | 10.2   | 12/01/1980 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130764 | 0.8222 | 1.0000 | 197    | 19/06/1983 | HBP, Producing | Below Top Queenstn   |
| NY | O&G | Empire Energy E&P, LLC | 310130765 | 0.8222 | 1.0000 | 27     | 19/06/1983 | HBP, Producing | Below Top Queenstn   |
| NY | O&G | Empire Energy E&P, LLC | 310130766 | 0.8222 | 1.0000 | 268    | 15/06/1983 | HBP, Producing | Below Top Queenstn   |
| NY | O&G | Empire Energy E&P, LLC | 310130767 | 0.8222 | 1.0000 | 49     | 20/06/1983 | HBP, Producing | Below Top Queenstn   |
| NY | O&G | Empire Energy E&P, LLC | 310130768 | 0.8488 | 1.0000 | 99     | 3/08/1989  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130770 | 0.8488 | 1.0000 | 87.7   | 13/06/1982 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130771 | 0.8184 | 1.0000 | 32     | 4/10/1985  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130772 | 0.8488 | 1.0000 | 7.4    | 27/01/2003 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130773 | 0.8488 | 1.0000 | 3.8    | 22/04/1985 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130774 | 0.7881 | 1.0000 | 112    | 13/08/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130775 | 0.8488 | 1.0000 | 5      | 9/10/1987  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130776 | 0.8488 | 1.0000 | 2      | 11/10/1987 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130777 | 0.8488 | 1.0000 | 20.6   | 2/12/1987  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130778 | 0.8488 | 1.0000 | 10     | 22/10/1977 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130779 | 0.7881 | 1.0000 | 28.5   | 24/02/1986 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130780 | 0.7881 | 1.0000 | 143    | 16/08/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130781 | 0.8488 | 1.0000 | 81     | 21/06/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310130783 | 0.8488 | 1.0000 | 1      | 14/12/2001 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310130784 | 0.8488 | 1.0000 | 1      | 17/12/2001 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310130785 | 0.8488 | 1.0000 | 1      | 22/12/2001 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310130786 | 0.8488 | 1.0000 | 1      | 14/12/2001 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310130787 | 0.8488 | 1.0000 | 1      | 8/12/2001  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130788 | 0.8488 | 1.0000 | 43.2   | 21/03/1990 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130789 | 0.8488 | 1.0000 | 123.9  | 19/05/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130790 | 0.8488 | 1.0000 | 174.4  | 19/12/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130791 | 0.8488 | 1.0000 | 17.5   | 18/12/1981 | HBP, Producing | Restricted Depths    |
| NY | O&G | Empire Energy E&P, LLC | 310130792 | 0.8488 | 1.0000 | 25.6   | 6/11/1987  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130793 | 0.8488 | 1.0000 | 8.92   | 17/02/1990 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130794 | 0.8488 | 1.0000 | 44     | 11/07/1991 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130795 | 0.8488 | 1.0000 | 2.5    | 10/07/1991 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130796 | 0.8488 | 1.0000 | 2.8    | 12/07/1991 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130797 | 0.8488 | 1.0000 | 2.8    | 10/07/1991 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130798 | 0.7881 | 1.0000 | 26     | 23/07/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130799 | 0.7881 | 1.0000 | 91     | 6/08/1983  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130800 | 0.8488 | 1.0000 | 21.936 | 21/03/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130802 | 0.8095 | 1.0000 | 1      | 29/12/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130803 | 0.8095 | 1.0000 | 9.8    | 29/12/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130804 | 0.8488 | 1.0000 | 149.7  | 2/07/1985  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130805 | 0.7881 | 1.0000 | 41     | 18/03/1982 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130807 | 0.7881 | 1.0000 | 10     | 9/01/1985  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130808 | 0.8488 | 1.0000 | 8.2    | 16/09/1984 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130809 | 0.8488 | 1.0000 | 2      | 3/08/1984  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130810 | 0.8488 | 1.0000 | 1.5    | 12/09/1984 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130811 | 0.8488 | 1.0000 | 1.3    | 20/09/1984 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130812 | 0.7881 | 1.0000 | 1185   | 19/11/1984 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130813 | 0.8488 | 1.0000 | 538    | 19/11/1984 | HBP, Producing | All Horizons         |

|    |     |                        |           |        |        |        |            |                |                      |
|----|-----|------------------------|-----------|--------|--------|--------|------------|----------------|----------------------|
| NY | O&G | Empire Energy E&P, LLC | 310130814 | 0.8488 | 1.0000 | 1      | 9/05/1991  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130815 | 0.8488 | 1.0000 | 2.7    | 23/09/1982 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130816 | 0.8488 | 1.0000 | 0.83   | 23/09/1982 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130817 | 0.8488 | 1.0000 | 8.1    | 30/11/1989 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130818 | 0.8488 | 1.0000 | 3      | 20/11/2001 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130819 | 0.8488 | 1.0000 | 2      | 7/11/2001  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130820 | 0.8488 | 1.0000 | 54.3   | 6/07/1981  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130821 | 0.8488 | 1.0000 | 17.82  | 17/02/1990 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130822 | 0.8488 | 1.0000 | 18     | 29/05/1977 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130824 | 0.8488 | 1.0000 | 22     | 7/11/1981  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130825 | 0.8488 | 1.0000 | 2.3    | 7/11/1989  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130826 | 0.8488 | 1.0000 | 10     | 30/11/1984 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130828 | 0.8488 | 1.0000 | 3.3    | 16/04/1989 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130829 | 0.8488 | 1.0000 | 35     | 28/09/1986 | HBP, Producing | Surface BTM Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310130830 | 0.8488 | 1.0000 | 35     | 28/09/1986 | HBP, Producing | Surface BTM Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310130831 | 0.7544 | 1.0000 | 119.9  | 1/10/1986  | HBP, Producing | Surface BTM Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310130832 | 0.8184 | 1.0000 | 160    | 15/06/1974 | HBP, Producing | Below Top Queenstn   |
| NY | O&G | Empire Energy E&P, LLC | 310130833 | 0.8488 | 1.0000 | 133.1  | 12/07/1983 | HBP, Producing | Below Top Queenstn   |
| NY | O&G | Empire Energy E&P, LLC | 310130834 | 0.8488 | 1.0000 | 8      | 14/07/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130835 | 0.8488 | 1.0000 | 7.3    | 12/07/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130836 | 0.8488 | 1.0000 | 7.4    | 14/07/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130837 | 0.8488 | 1.0000 | 4.5    | 14/07/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130838 | 0.8488 | 1.0000 | 30     | 18/07/1990 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130839 | 0.8488 | 1.0000 | 6.2    | 16/07/1981 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130840 | 0.8488 | 1.0000 | 1      | 26/03/1986 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130841 | 0.8488 | 1.0000 | 36     | 24/06/1985 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130842 | 0.8488 | 1.0000 | 68     | 27/09/1985 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130843 | 0.8488 | 1.0000 | 1      | 1/05/1986  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130844 | 0.8488 | 1.0000 | 3      | 25/07/1985 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130845 | 0.8488 | 1.0000 | 49.44  | 25/05/1985 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130846 | 0.8488 | 1.0000 | 5      | 23/02/1989 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130848 | 0.8488 | 1.0000 | 160    | 13/06/1983 | HBP, Producing | Below Top Queenstn   |
| NY | O&G | Empire Energy E&P, LLC | 310130852 | 0.8488 | 1.0000 | 58.3   | 26/05/1989 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130853 | 0.8488 | 1.0000 | 3      | 13/07/1990 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130854 | 0.8488 | 1.0000 | 41.528 | 18/06/1991 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130855 | 0.8488 | 1.0000 | 0.972  | 18/06/1991 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130856 | 0.8488 | 1.0000 | 55     | 22/10/1988 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130857 | 0.8488 | 1.0000 | 100    | 17/02/1989 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130858 | 0.8488 | 1.0000 | 139.9  | 22/11/1989 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130859 | 0.8488 | 1.0000 | 7.8    | 22/11/1989 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130860 | 0.8488 | 1.0000 | 10     | 22/11/1989 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130861 | 0.8488 | 1.0000 | 2      | 21/12/1989 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130862 | 0.8488 | 1.0000 | 11.6   | 22/11/1989 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130863 | 0.8488 | 1.0000 | 3      | 21/12/1989 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130864 | 0.8488 | 1.0000 | 36.2   | 10/02/1990 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130865 | 0.8488 | 1.0000 | 1.83   | 10/03/1990 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130866 | 0.8488 | 1.0000 | 4.3    | 10/02/1990 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130867 | 0.8488 | 1.0000 | 5.8    | 1/03/1990  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130868 | 0.8488 | 1.0000 | 19.9   | 9/02/1990  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130869 | 0.8488 | 1.0000 | 4      | 26/01/1990 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130870 | 0.8488 | 1.0000 | 102.7  | 28/03/1990 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130871 | 0.8488 | 1.0000 | 39.7   | 31/05/1989 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130872 | 0.8488 | 1.0000 | 32.5   | 1/06/1989  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130873 | 0.8488 | 1.0000 | 0.88   | 1/06/1989  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130874 | 0.8488 | 1.0000 | 2.5    | 3/06/1989  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130875 | 0.8488 | 1.0000 | 1.05   | 1/06/1989  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130876 | 0.8488 | 1.0000 | 0.93   | 1/06/1989  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130877 | 0.8488 | 1.0000 | 123    | 26/06/1989 | HBP, Producing | Surface Top Onondga  |
| NY | O&G | Empire Energy E&P, LLC | 310130878 | 0.8488 | 1.0000 | 2      | 26/06/1989 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130879 | 0.8488 | 1.0000 | 29.4   | 9/03/1989  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130880 | 0.8488 | 1.0000 | 15.2   | 14/03/1989 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130881 | 0.8488 | 1.0000 | 8.2    | 7/03/1989  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130882 | 0.8488 | 1.0000 | 1.8    | 14/03/1989 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130883 | 0.8488 | 1.0000 | 0.3    | 16/06/1989 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130884 | 0.8488 | 1.0000 | 12.2   | 7/03/1989  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130885 | 0.8488 | 1.0000 | 100    | 16/08/1989 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130886 | 0.8488 | 1.0000 | 47     | 4/10/1989  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130887 | 0.8488 | 1.0000 | 15     | 4/09/1992  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130888 | 0.8488 | 1.0000 | 10     | 29/08/1992 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130889 | 0.8488 | 1.0000 | 1      | 11/01/1990 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130890 | 0.8488 | 1.0000 | 5      | 11/01/1990 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130891 | 0.8488 | 1.0000 | 2      | 11/01/1990 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130892 | 0.8488 | 1.0000 | 7      | 11/01/1990 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310130893 | 0.8488 | 1.0000 | 3.81   | 15/12/1991 | HBP, Producing | Shallow Above 5k FT  |
| NY | O&G | Empire Energy E&P, LLC | 310130894 | 0.8488 | 1.0000 | 23.58  | 8/03/1992  | HBP, Producing | Shallow Above 5k FT  |
| NY | O&G | Empire Energy E&P, LLC | 310130895 | 0.8488 | 1.0000 | 13.92  | 8/03/1992  | HBP, Producing | Shallow Above 5k FT  |
| NY | O&G | Empire Energy E&P, LLC | 310130896 | 0.8488 | 1.0000 | 31.28  | 23/08/1991 | HBP, Producing | Shallow Above 5k FT  |
| NY | O&G | Empire Energy E&P, LLC | 310130897 | 0.8488 | 1.0000 | 8.72   | 5/09/1991  | HBP, Producing | Shallow Above 5k FT  |
| NY | O&G | Empire Energy E&P, LLC | 310130898 | 0.8488 | 1.0000 | 40     | 8/03/1992  | HBP, Producing | Shallow Above 5k FT  |
| NY | O&G | Empire Energy E&P, LLC | 310130899 | 0.8488 | 1.0000 | 40     | 13/07/1990 | HBP, Producing | Shallow Above 5k FT  |
| NY | O&G | Empire Energy E&P, LLC | 310130900 | 0.8488 | 1.0000 | 46.5   | 13/07/1990 | HBP, Producing | Shallow Above 5k FT  |
| NY | O&G | Empire Energy E&P, LLC | 310130901 | 0.8488 | 1.0000 | 54     | 8/03/1992  | HBP, Producing | Shallow Above 5k FT  |
| NY | O&G | Empire Energy E&P, LLC | 310130903 | 0.8488 | 1.0000 | 385.24 | 31/07/1980 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310131025 | 0.8012 | 0.2279 | 117    | 25/06/1990 | HBP, Producing | All Horizons         |

|    |     |                        |           |        |        |        |            |                |                      |
|----|-----|------------------------|-----------|--------|--------|--------|------------|----------------|----------------------|
| NY | O&G | Empire Energy E&P, LLC | 310131026 | 0.8012 | 0.2279 | 14     | 16/01/1988 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310131027 | 0.8012 | 0.2279 | 28.3   | 25/03/1988 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310131028 | 0.8488 | 0.2279 | 169    | 10/10/1987 | HBP, Producing | Shallow Above 5k FT  |
| NY | O&G | Empire Energy E&P, LLC | 310131030 | 0.8488 | 0.2280 | 2      | 12/07/1989 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310131031 | 0.8488 | 1.0000 | 48.5   | 16/10/1988 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310131032 | 0.8488 | 1.0000 | 33.4   | 7/05/1993  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310131033 | 0.8488 | 1.0000 | 363    | 24/02/1983 | HBP, Producing | Below Top Queenstn   |
| NY | O&G | Empire Energy E&P, LLC | 310131034 | 0.8488 | 0.2282 | 1.1    | 12/07/1989 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310131035 | 0.8488 | 1.0000 | 58     | 25/06/1990 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310131050 | 0.8488 | 1.0000 | 340    | 6/04/1985  | HBP, Producing | Surface BTM Clinton  |
| NY | O&G | Empire Energy E&P, LLC | 310131051 | 0.7396 | 1.0000 | 100    | 12/09/1982 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131053 | 0.7984 | 1.0000 | 9.1    | 28/02/1999 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131054 | 0.7984 | 1.0000 | 3      | 21/02/1999 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131056 | 0.8184 | 1.0000 | 272    | 9/11/1981  | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131057 | 0.7984 | 1.0000 | 25     | 31/05/1992 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131058 | 0.8089 | 0.8750 | 46.8   | 31/05/1985 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131059 | 0.7881 | 1.0000 | 26.8   | 31/05/1985 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131060 | 0.8488 | 1.0000 | 368.4  | 31/05/1985 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131061 | 0.7769 | 0.2000 | 226    | 31/05/1985 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131062 | 0.7957 | 1.0000 | 0.331  | 24/07/1983 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131063 | 0.8463 | 1.0000 | 117    | 17/09/1984 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131064 | 0.8428 | 1.0000 | 35.19  | 18/03/1984 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131065 | 0.8457 | 1.0000 | 18.095 | 5/04/1984  | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131066 | 0.8094 | 0.1250 | 2      | 16/06/1993 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131068 | 0.7959 | 0.8749 | 1.75   | 27/06/1993 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131069 | 0.8153 | 0.8750 | 24     | 25/12/1983 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131070 | 0.8153 | 0.8760 | 0.5    | 5/08/1993  | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131071 | 0.7922 | 0.1250 | 31.4   | 19/05/1987 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131072 | 0.8098 | 0.8750 | 12.8   | 2/12/1985  | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131073 | 0.7989 | 0.4813 | 6      | 28/04/1987 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131074 | 0.7841 | 0.2000 | 52.6   | 27/03/1986 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131075 | 0.7989 | 0.4813 | 12     | 30/07/1984 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131076 | 0.8207 | 0.4375 | 183.17 | 1/08/1991  | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131079 | 0.7984 | 1.0000 | 80     | 12/10/1982 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131080 | 0.7957 | 1.0000 | 252    | 13/10/1982 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131081 | 0.7957 | 1.0000 | 232    | 13/10/1982 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131082 | 0.7957 | 1.0000 | 272    | 13/10/1983 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131083 | 0.7957 | 1.0000 | 120    | 13/10/1973 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131084 | 0.7989 | 0.4813 | 147    | 14/10/1982 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131085 | 0.7957 | 1.0000 | 134    | 16/10/1982 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131086 | 0.7957 | 1.0000 | 218    | 16/10/1982 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131087 | 0.7957 | 1.0000 | 94     | 16/10/1982 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131088 | 0.7957 | 1.0000 | 154    | 16/10/1982 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131089 | 0.7957 | 1.0000 | 120    | 17/10/1982 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131090 | 0.7989 | 1.0000 | 138    | 10/10/1982 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131091 | 0.7957 | 0.2000 | 135    | 10/10/1982 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131092 | 0.7957 | 0.1250 | 107    | 11/10/1982 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131093 | 0.8488 | 1.0000 | 138    | 11/10/1975 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131094 | 0.7785 | 0.2000 | 100    | 11/10/1975 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131095 | 0.7957 | 1.0000 | 333.8  | 11/10/1975 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131096 | 0.7957 | 1.0000 | 238    | 11/10/1982 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131097 | 0.7957 | 1.0000 | 215    | 11/10/1982 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131098 | 0.7984 | 1.0000 | 250    | 11/10/1982 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131099 | 0.7841 | 0.2000 | 65     | 12/01/1973 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131100 | 0.7957 | 0.8750 | 170    | 12/10/1983 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131101 | 0.7957 | 1.0000 | 187    | 17/10/1982 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131102 | 0.7957 | 1.0000 | 178    | 17/10/1982 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131103 | 0.7957 | 1.0000 | 187    | 17/10/1982 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131104 | 0.8479 | 0.4815 | 108.69 | 17/10/1982 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131105 | 0.7957 | 1.0000 | 175    | 30/10/1982 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131106 | 0.7957 | 1.0000 | 26.448 | 31/10/1982 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131107 | 0.7984 | 1.0000 | 130    | 31/10/1977 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131108 | 0.7760 | 0.2125 | 165    | 1/11/1982  | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131109 | 0.7959 | 0.8750 | 200    | 10/09/1983 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131110 | 0.7957 | 0.1250 | 213    | 5/10/1983  | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131112 | 0.8094 | 0.1250 | 75     | 20/12/1983 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131113 | 0.7957 | 1.0000 | 156    | 24/10/1985 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131114 | 0.7959 | 0.8750 | 100    | 22/10/1983 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131115 | 0.7957 | 0.8750 | 220    | 23/10/1983 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131116 | 0.7957 | 0.8750 | 122    | 23/10/1983 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131117 | 0.7922 | 0.1250 | 80     | 4/10/1983  | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131118 | 0.8153 | 0.8750 | 144    | 31/12/1983 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131119 | 0.8429 | 1.0000 | 229.86 | 11/05/1986 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131120 | 0.8429 | 1.0000 | 182    | 8/05/1983  | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131121 | 0.7881 | 1.0000 | 216    | 10/05/1984 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131122 | 0.8488 | 0.1250 | 318    | 11/05/1986 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131123 | 0.8222 | 0.1250 | 74     | 26/10/1983 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310131125 | 0.9700 | 1.0000 | 54     | 20/01/1987 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131127 | 0.8488 | 0.2500 | 87.5   | 30/03/2000 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310131131 | 0.8488 | 1.0000 | 4      | 1/11/1985  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310131133 | 0.8488 | 1.0000 | 49.65  | 30/11/1981 | HBP, Producing | Surface BTM Clinton  |
| NY | O&G | Empire Energy E&P, LLC | 310131134 | 0.8488 | 1.0000 | 6.3    | 31/03/1982 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310131135 | 0.8488 | 1.0000 | 3.8    | 31/01/1982 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310131136 | 0.9700 | 1.0000 | 38     | 24/01/1987 | HBP, Producing | All Horizons         |













|    |     |                        |           |        |        |     |            |                |                      |
|----|-----|------------------------|-----------|--------|--------|-----|------------|----------------|----------------------|
| NY | O&G | Empire Energy E&P, LLC | 310131646 | 0.8488 | 1.0000 | 130 | 6/11/1983  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131647 | 0.8488 | 1.0000 | 1   | 1/11/1983  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131648 | 0.8488 | 0.8400 | 158 | 5/10/1983  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131649 | 0.8488 | 1.0000 | 11  | 19/09/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131650 | 0.8488 | 1.0000 | 1   | 1/11/1983  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131651 | 0.8488 | 1.0000 | 24  | 25/10/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131652 | 0.8488 | 1.0000 | 5   | 27/10/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131653 | 0.8488 | 1.0000 | 4   | 14/11/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131654 | 0.8488 | 1.0000 | 1   | 17/10/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131655 | 0.8488 | 1.0000 | 2   | 10/10/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131657 | 0.8488 | 1.0000 | 15  | 12/11/1978 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131658 | 0.8488 | 1.0000 | 50  | 20/11/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131659 | 0.8488 | 1.0000 | 16  | 13/11/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131660 | 0.8488 | 1.0000 | 269 | 13/11/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131661 | 0.8488 | 1.0000 | 3   | 17/12/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131662 | 0.8488 | 1.0000 | 148 | 13/12/1978 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131663 | 0.8488 | 1.0000 | 5   | 24/01/1979 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131664 | 0.8488 | 1.0000 | 11  | 19/01/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131665 | 0.8488 | 1.0000 | 4   | 19/01/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131666 | 0.8488 | 1.0000 | 4   | 19/01/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131667 | 0.8488 | 1.0000 | 250 | 5/02/1984  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131668 | 0.8488 | 1.0000 | 30  | 7/02/1984  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131669 | 0.8488 | 1.0000 | 116 | 7/02/1984  | HBP, Producing | Shallow Only Unspcfd |
| NY | O&G | Empire Energy E&P, LLC | 310131670 | 0.8488 | 1.0000 | 42  | 5/02/1984  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131671 | 0.8488 | 1.0000 | 112 | 5/02/1984  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131672 | 0.8488 | 1.0000 | 1   | 13/02/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131673 | 0.8488 | 1.0000 | 19  | 14/02/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131674 | 0.8488 | 1.0000 | 40  | 9/02/1984  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131675 | 0.8488 | 1.0000 | 78  | 11/02/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131676 | 0.8488 | 1.0000 | 134 | 8/02/1984  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131677 | 0.8488 | 1.0000 | 89  | 11/02/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131678 | 0.8488 | 1.0000 | 135 | 14/02/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131679 | 0.8488 | 1.0000 | 174 | 8/02/1984  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131680 | 0.8488 | 1.0000 | 118 | 8/02/1984  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131681 | 0.8488 | 1.0000 | 113 | 12/02/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131682 | 0.8488 | 1.0000 | 62  | 14/02/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131683 | 0.8488 | 1.0000 | 163 | 14/02/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131684 | 0.8488 | 1.0000 | 25  | 7/02/1984  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131685 | 0.8488 | 1.0000 | 55  | 14/02/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131686 | 0.8488 | 1.0000 | 15  | 21/02/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131687 | 0.8488 | 1.0000 | 249 | 19/02/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131688 | 0.8488 | 1.0000 | 108 | 19/02/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131689 | 0.8488 | 1.0000 | 34  | 15/02/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131690 | 0.8488 | 1.0000 | 47  | 13/02/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131691 | 0.8488 | 1.0000 | 42  | 23/02/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131692 | 0.8488 | 1.0000 | 146 | 27/02/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131693 | 0.8488 | 1.0000 | 50  | 13/03/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131694 | 0.8488 | 1.0000 | 48  | 11/03/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131695 | 0.8488 | 1.0000 | 100 | 11/03/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131696 | 0.8488 | 1.0000 | 52  | 13/03/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131697 | 0.8488 | 1.0000 | 40  | 25/03/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131698 | 0.8488 | 1.0000 | 60  | 25/03/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131699 | 0.8488 | 1.0000 | 51  | 28/03/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131700 | 0.8488 | 1.0000 | 13  | 18/03/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131701 | 0.8488 | 1.0000 | 51  | 9/04/1984  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131702 | 0.8488 | 1.0000 | 71  | 2/04/1984  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131703 | 0.8488 | 1.0000 | 10  | 18/03/1984 | HBP, Producing | Shallow Only Unspcfd |
| NY | O&G | Empire Energy E&P, LLC | 310131704 | 0.8488 | 1.0000 | 80  | 18/03/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131705 | 0.8488 | 1.0000 | 32  | 1/04/1984  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131706 | 0.8488 | 1.0000 | 50  | 30/04/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131707 | 0.8488 | 1.0000 | 22  | 29/04/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131708 | 0.8488 | 1.0000 | 28  | 30/04/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131709 | 0.8488 | 1.0000 | 79  | 29/04/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131710 | 0.8488 | 1.0000 | 25  | 7/05/1984  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131711 | 0.8488 | 1.0000 | 103 | 3/05/1984  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131712 | 0.8488 | 1.0000 | 28  | 9/05/1984  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131713 | 0.8488 | 1.0000 | 22  | 9/05/1984  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131714 | 0.8488 | 1.0000 | 188 | 25/04/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131715 | 0.8488 | 1.0000 | 50  | 11/05/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131716 | 0.8488 | 1.0000 | 47  | 18/05/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131717 | 0.8488 | 1.0000 | 96  | 3/05/1979  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131718 | 0.8488 | 1.0000 | 10  | 16/05/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131719 | 0.8488 | 1.0000 | 66  | 22/05/1977 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131720 | 0.8488 | 1.0000 | 11  | 2/03/1987  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131721 | 0.8488 | 1.0000 | 51  | 14/05/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131722 | 0.8488 | 1.0000 | 30  | 13/05/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131723 | 0.8488 | 1.0000 | 92  | 17/05/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131724 | 0.8488 | 1.0000 | 51  | 31/05/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131725 | 0.8488 | 1.0000 | 70  | 17/06/1975 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131726 | 0.8488 | 1.0000 | 77  | 26/06/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131727 | 0.8488 | 1.0000 | 100 | 18/06/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131728 | 0.8488 | 1.0000 | 15  | 29/06/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131729 | 0.8488 | 1.0000 | 110 | 3/07/1984  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310131730 | 0.8488 | 0.8400 | 8   | 15/07/1984 | HBP, Producing | Surface Top Queenstn |











|    |     |                        |           |        |        |         |            |                |                      |
|----|-----|------------------------|-----------|--------|--------|---------|------------|----------------|----------------------|
| NY | O&G | Empire Energy E&P, LLC | 310132146 | 0.8142 | 1.0000 | 5       | 27/10/1992 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132147 | 0.8290 | 1.0000 | 10.7    | 19/11/1991 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132148 | 0.7881 | 1.0000 | 5       | 18/07/1985 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132149 | 0.8330 | 1.0000 | 66.5    | 22/09/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132150 | 0.8142 | 1.0000 | 5       | 7/09/1992  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132151 | 0.7881 | 1.0000 | 7.5     | 7/12/1980  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132152 | 0.7396 | 1.0000 | 22.38   | 23/01/1980 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132153 | 0.7881 | 1.0000 | 96.3    | 23/06/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132154 | 0.8003 | 0.9242 | 120.7   | 17/07/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132155 | 0.8488 | 1.0000 | 202     | 21/06/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132156 | 0.8488 | 0.9242 | 95      | 3/07/1984  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132157 | 0.7881 | 1.0000 | 14      | 11/06/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132158 | 0.7909 | 1.0000 | 207     | 12/07/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132159 | 0.7881 | 1.0000 | 147     | 29/08/1980 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132160 | 0.7881 | 1.0000 | 1       | 24/04/1980 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132161 | 0.7396 | 1.0000 | 1       | 24/04/1980 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132162 | 0.7396 | 1.0000 | 8.6     | 14/07/1980 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132163 | 0.7396 | 1.0000 | 65.9    | 25/07/1980 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132164 | 0.8488 | 0.9238 | 125     | 16/10/1985 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132165 | 0.7881 | 1.0000 | 16      | 10/06/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132166 | 0.7881 | 1.0000 | 1475    | 17/01/1979 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132167 | 0.8142 | 1.0000 | 2561    | 17/01/1979 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132168 | 0.8488 | 1.0000 | 1325    | 18/12/1978 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132169 | 0.8488 | 0.9000 | 1283    | 17/01/1979 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132170 | 0.7857 | 0.9000 | 500     | 8/06/1983  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132171 | 0.7881 | 1.0000 | 153     | 12/06/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132172 | 0.7881 | 1.0000 | 4.03    | 6/05/1985  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132173 | 0.7881 | 1.0000 | 14.8    | 7/12/1980  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132174 | 0.7881 | 1.0000 | 79.4    | 5/06/1980  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132175 | 0.8184 | 0.2000 | 160     | 16/07/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132176 | 0.8290 | 1.0000 | 30      | 15/01/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132177 | 0.8488 | 0.9242 | 158     | 30/07/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132178 | 0.8290 | 1.0000 | 39.2    | 11/12/1982 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132179 | 0.7396 | 1.0000 | 210     | 1/06/1983  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132180 | 0.7396 | 1.0000 | 25.4    | 30/04/1980 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132181 | 0.8488 | 1.0000 | 1097.1  | 23/05/1997 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132182 | 0.7881 | 1.0000 | 200     | 5/03/1981  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132183 | 0.8488 | 1.0000 | 124     | 29/08/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132184 | 0.7881 | 1.0000 | 138     | 28/04/1981 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132185 | 0.7881 | 1.0000 | 50      | 15/09/1980 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132186 | 0.7881 | 1.0000 | 146     | 28/05/1981 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132195 | 0.8488 | 0.8400 | 15      | 31/10/1999 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132196 | 0.8488 | 0.5000 | 39.6    | 16/11/2002 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132197 | 0.8488 | 0.5000 | 30.2    | 30/11/2002 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132198 | 0.8488 | 0.5000 | 19.8    | 17/01/2002 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132199 | 0.8488 | 0.5000 | 83.5    | 15/11/2002 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132200 | 0.8488 | 0.5000 | 16.26   | 13/03/2003 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132201 | 0.8488 | 0.5000 | 16.69   | 18/11/2002 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132202 | 0.8488 | 1.0000 | 61      | 2/11/2001  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132204 | 0.8488 | 1.0000 | 11      | 12/03/1986 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132205 | 0.8488 | 1.0000 | 38.3    | 18/09/2009 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132206 | 0.8488 | 1.0000 | 55      | 21/12/2009 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132207 | 0.8488 | 1.0000 | 5       | 9/06/1983  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132208 | 0.8488 | 1.0000 | 140     | 25/02/1985 | HBP, Producing | Below Top Queenstn   |
| NY | O&G | Empire Energy E&P, LLC | 310132209 | 0.8488 | 1.0000 | 96      | 23/06/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132210 | 0.8488 | 1.0000 | 2       | 5/07/2010  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132211 | 0.8488 | 1.0000 | 74.3    | 19/05/2007 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132212 | 0.8488 | 1.0000 | 49.9    | 19/05/2007 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132213 | 0.8488 | 1.0000 | 60.5    | 25/05/1982 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132215 | 0.8488 | 1.0000 | 50.2    | 30/03/2006 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132216 | 0.8488 | 1.0000 | 55      | 22/06/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132217 | 0.8488 | 1.0000 | 14      | 22/06/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132218 | 0.8488 | 1.0000 | 20      | 17/07/1982 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132219 | 0.8488 | 1.0000 | 150     | 31/08/2007 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132220 | 0.8488 | 1.0000 | 68      | 2/03/1983  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132221 | 0.8488 | 1.0000 | 4       | 12/06/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132223 | 0.8488 | 1.0000 | 80      | 17/02/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132224 | 0.8488 | 1.0000 | 9       | 8/01/1985  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132225 | 0.8488 | 1.0000 | 179     | 28/02/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132226 | 0.8488 | 1.0000 | 231     | 23/10/1982 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132227 | 0.8488 | 1.0000 | 15      | 27/07/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132228 | 0.8488 | 1.0000 | 120     | 29/01/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132229 | 0.8488 | 1.0000 | 65      | 6/11/1982  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132230 | 0.8488 | 1.0000 | 107.1   | 14/11/2007 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132231 | 0.8488 | 1.0000 | 50.4    | 25/02/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132232 | 0.8488 | 1.0000 | 198     | 30/10/1982 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132233 | 0.8488 | 1.0000 | 118     | 25/10/1982 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132234 | 0.8488 | 1.0000 | 12      | 23/06/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132235 | 0.8488 | 1.0000 | 30      | 6/12/1982  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132236 | 0.8488 | 1.0000 | 117.213 | 22/12/2007 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132237 | 0.8488 | 1.0000 | 211     | 11/04/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132238 | 0.8488 | 1.0000 | 35      | 17/02/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132239 | 0.8488 | 1.0000 | 195.6   | 26/01/2008 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132240 | 0.8488 | 1.0000 | 41      | 14/08/1983 | HBP, Producing | Surface Top Queenstn |

|    |     |                        |           |        |        |       |            |                |                      |
|----|-----|------------------------|-----------|--------|--------|-------|------------|----------------|----------------------|
| NY | O&G | Empire Energy E&P, LLC | 310132241 | 0.8488 | 1.0000 | 41    | 1/09/1983  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132242 | 0.8488 | 1.0000 | 64    | 3/04/1984  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132243 | 0.8488 | 1.0000 | 70    | 6/12/1982  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132244 | 0.8488 | 1.0000 | 41    | 11/07/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132245 | 0.8488 | 1.0000 | 126   | 25/02/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132246 | 0.8488 | 1.0000 | 103   | 7/01/1990  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132247 | 0.8488 | 1.0000 | 75    | 25/02/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132248 | 0.8488 | 1.0000 | 55    | 2/08/1983  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132249 | 0.8488 | 1.0000 | 20    | 14/04/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132250 | 0.8488 | 1.0000 | 386   | 11/08/1986 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310132251 | 0.8488 | 1.0000 | 290   | 29/11/1984 | HBP, Producing | 100% Shallow 50%Deep |
| NY | O&G | Empire Energy E&P, LLC | 310132252 | 0.8488 | 1.0000 | 14.8  | 1/12/1990  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132253 | 0.8750 | 1.0000 | 77    | 15/12/1982 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132255 | 0.8750 | 1.0000 | 10    | 9/05/1983  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132256 | 0.8750 | 1.0000 | 46    | 25/02/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132258 | 0.8750 | 1.0000 | 5     | 17/07/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132259 | 0.8750 | 1.0000 | 284   | 7/02/1983  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132260 | 0.8750 | 1.0000 | 174   | 20/01/1985 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132263 | 0.8750 | 1.0000 | 24    | 9/05/1983  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132264 | 0.8750 | 1.0000 | 38    | 18/10/1982 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132265 | 0.8750 | 1.0000 | 44    | 3/07/1983  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132267 | 0.8750 | 1.0000 | 119   | 26/05/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132268 | 0.8750 | 1.0000 | 153   | 17/10/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132269 | 0.8750 | 1.0000 | 139   | 31/03/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132270 | 0.8750 | 1.0000 | 2     | 1/10/1984  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132271 | 0.8750 | 1.0000 | 183   | 20/201983  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132273 | 0.8750 | 1.0000 | 188   | 16/05/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132274 | 0.8750 | 1.0000 | 176   | 31/03/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132275 | 0.8750 | 1.0000 | 178   | 31/03/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132276 | 0.8750 | 1.0000 | 240   | 31/03/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132277 | 0.8750 | 1.0000 | 269   | 31/03/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132278 | 0.8750 | 1.0000 | 163   | 30/03/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132283 | 0.8750 | 1.0000 | 5.8   | 27/05/1981 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132284 | 0.8750 | 1.0000 | 7.3   | 27/06/1982 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132285 | 0.8750 | 1.0000 | 20    | 20/06/1981 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132286 | 0.8750 | 1.0000 | 30    | 19/12/1981 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132287 | 0.8750 | 1.0000 | 1     | 13/08/1981 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132288 | 0.8750 | 1.0000 | 43.4  | 27/05/1981 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132290 | 0.8750 | 1.0000 | 183   | 25/05/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132291 | 0.8750 | 1.0000 | 75    | 11/05/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132292 | 0.8750 | 1.0000 | 220   | 9/05/1983  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132293 | 0.8750 | 1.0000 | 91    | 9/05/1983  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132294 | 0.8750 | 1.0000 | 120   | 11/05/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132295 | 0.8750 | 1.0000 | 289   | 8/05/1983  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132296 | 0.8750 | 1.0000 | 100   | 6/07/1983  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132297 | 0.8750 | 1.0000 | 145   | 13/07/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132298 | 0.8750 | 1.0000 | 49    | 12/06/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132299 | 0.8750 | 1.0000 | 133   | 21/05/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132300 | 0.8750 | 1.0000 | 150   | 6/06/1983  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132301 | 0.8750 | 1.0000 | 262   | 14/09/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132303 | 0.8750 | 1.0000 | 6     | 20/09/1987 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132304 | 0.8750 | 1.0000 | 100   | 25/05/1978 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132305 | 0.8750 | 1.0000 | 60    | 16/05/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132306 | 0.8750 | 1.0000 | 57    | 14/05/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132308 | 0.8750 | 1.0000 | 125   | 10/05/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132309 | 0.8750 | 1.0000 | 120   | 4/06/1983  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132310 | 0.8750 | 1.0000 | 92    | 1/11/1982  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132311 | 0.8750 | 1.0000 | 100   | 10/101982  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132312 | 0.8750 | 1.0000 | 252.8 | 15/03/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132313 | 0.8750 | 1.0000 | 61    | 18/05/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132314 | 0.8750 | 1.0000 | 50    | 15/06/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132315 | 0.8750 | 1.0000 | 181   | 26/07/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132316 | 0.8750 | 1.0000 | 99    | 23/05/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132317 | 0.8750 | 1.0000 | 120   | 8/05/1983  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132318 | 0.8750 | 1.0000 | 108   | 17/08/1991 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132319 | 0.8750 | 1.0000 | 85    | 22/06/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132320 | 0.8750 | 1.0000 | 100   | 19/10/1982 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132321 | 0.8750 | 1.0000 | 100   | 15/12/1976 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132323 | 0.8750 | 1.0000 | 16    | 7/07/1983  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132325 | 0.8750 | 1.0000 | 140   | 31/10/1982 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132326 | 0.8750 | 1.0000 | 127   | 23/12/1982 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132327 | 0.8750 | 1.0000 | 246   | 16/11/1982 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132328 | 0.8750 | 1.0000 | 45    | 6/10/1982  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132329 | 0.8750 | 1.0000 | 1     | 31/08/1993 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132330 | 0.8750 | 1.0000 | 2     | 17/02/1993 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132331 | 0.8750 | 1.0000 | 50    | 22/05/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132332 | 0.8750 | 1.0000 | 41    | 13/09/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132333 | 0.8750 | 1.0000 | 152   | 2/11/1982  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132334 | 0.8750 | 1.0000 | 68    | 23/05/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132335 | 0.8750 | 1.0000 | 98    | 16/07/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132336 | 0.8750 | 1.0000 | 80    | 21/02/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132337 | 0.8750 | 1.0000 | 96    | 14/03/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132338 | 0.8750 | 1.0000 | 9.2   | 12/03/1987 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132339 | 0.8750 | 1.0000 | 9.35  | 18/03/1987 | HBP, Producing | Surface Top Queenstn |

|    |     |                        |           |        |        |       |            |                |                      |
|----|-----|------------------------|-----------|--------|--------|-------|------------|----------------|----------------------|
| NY | O&G | Empire Energy E&P, LLC | 310132340 | 0.8750 | 1.0000 | 3     | 29/03/1986 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132341 | 0.8750 | 1.0000 | 2     | 6/04/1986  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132342 | 0.8750 | 1.0000 | 4     | 11/07/1986 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132343 | 0.8750 | 1.0000 | 212   | 9/06/1983  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132344 | 0.8750 | 1.0000 | 98    | 15/03/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132345 | 0.8750 | 1.0000 | 222   | 10/05/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132346 | 0.8750 | 1.0000 | 20    | 18/11/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132347 | 0.8750 | 1.0000 | 75    | 16/06/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132348 | 0.8750 | 1.0000 | 40    | 7/05/1983  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132349 | 0.8750 | 1.0000 | 80    | 15/05/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132350 | 0.8750 | 1.0000 | 90    | 1/03/1983  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132351 | 0.8750 | 1.0000 | 155   | 9/09/1984  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132352 | 0.8750 | 1.0000 | 140   |            | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132353 | 0.8750 | 1.0000 | 1     | 13/04/1986 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132355 | 0.8750 | 1.0000 | 153   | 6/12/1978  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132356 | 0.8750 | 1.0000 | 115   | 15/11/1982 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132358 | 0.8750 | 1.0000 | 71    | 18/10/1982 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132359 | 0.8750 | 1.0000 | 122   | 23/08/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132360 | 0.8750 | 1.0000 | 75    | 6/08/1982  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132362 | 0.8750 | 0.9000 | 39    | 1/06/1983  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132363 | 0.8750 | 1.0000 | 131   | 21/02/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132364 | 0.8750 | 1.0000 | 24    | 1/10/1983  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132365 | 0.8750 | 1.0000 | 150   | 19/10/1982 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132366 | 0.8750 | 1.0000 | 207   | 10/10/1982 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132367 | 0.8750 | 1.0000 | 170   | 5/10/1984  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132369 | 0.8750 | 1.0000 | 136   | 13/10/1982 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132370 | 0.8750 | 1.0000 | 63    |            | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132371 | 0.8750 | 1.0000 | 159   | 21/12/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132372 | 0.8750 | 1.0000 | 4     | 29/09/1984 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132373 | 0.8750 | 1.0000 | 25    | 24/06/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132374 | 0.8750 | 1.0000 | 113   | 5/08/1984  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132375 | 0.8750 | 1.0000 | 257   |            | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132376 | 0.8750 | 1.0000 | 120   | 31/03/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132377 | 0.8750 | 1.0000 | 124   | 14/08/1984 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132378 | 0.8750 | 1.0000 | 6     | 26/06/1994 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132379 | 0.8750 | 1.0000 | 1     | 26/06/1994 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132380 | 0.8750 | 1.0000 | 29    | 20/02/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132381 | 0.8750 | 1.0000 | 100   | 11/01/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132382 | 0.8750 | 0.9000 | 100   | 21/10/1982 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132383 | 0.8750 | 1.0000 | 129   | 18/01/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132384 | 0.8750 | 1.0000 | 40    | 2/05/1969  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132385 | 0.8750 | 1.0000 | 62.4  | 2/05/1969  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132386 | 0.8750 | 1.0000 | 48    | 27/11/1982 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132387 | 0.8750 | 1.0000 | 30    | 25/11/1982 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132388 | 0.8750 | 1.0000 | 394   | 3/11/1982  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132389 | 0.8750 | 1.0000 | 70    | 16/03/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132390 | 0.8750 | 1.0000 | 42.5  | 18/12/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132391 | 0.8750 | 0.9242 | 2     | 8/05/1985  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132392 | 0.8750 | 1.0000 | 3     | 8/05/1985  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132393 | 0.8750 | 0.9242 | 95    | 25/04/1981 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132394 | 0.8750 | 1.0000 | 9.5   | 25/01/1981 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132395 | 0.8750 | 1.0000 | 14.3  | 26/01/1981 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132396 | 0.8750 | 1.0000 | 2.5   | 15/02/1981 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132397 | 0.8750 | 1.0000 | 8.3   | 8/05/1981  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132398 | 0.8750 | 1.0000 | 16    | 25/01/1981 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132399 | 0.8750 | 1.0000 | 78.2  | 5/01/1983  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132400 | 0.8750 | 1.0000 | 88    | 10/08/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132402 | 0.8750 | 1.0000 | 51    | 14/10/1985 | HBP, Producing | Surface/BTM Elk      |
| NY | O&G | Empire Energy E&P, LLC | 310132403 | 0.8750 | 1.0000 | 121   | 14/10/1985 | HBP, Producing | Surface/BTM Elk      |
| NY | O&G | Empire Energy E&P, LLC | 310132406 | 0.8750 | 1.0000 | 172   | 18/10/1982 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132407 | 0.8750 | 1.0000 | 85    | 2/12/1982  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310132409 | 0.8750 | 1.0000 | 61    | 16/02/1984 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132410 | 0.8750 | 1.0000 | 50.2  | 4/08/1980  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132411 | 0.8750 | 1.0000 | 12.3  | 6/08/1980  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132413 | 0.8750 | 1.0000 | 110   | 28/01/1987 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132414 | 0.8750 | 1.0000 | 7.6   | 22/08/1990 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132415 | 0.8750 | 1.0000 | 15.00 | 7/05/1940  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132416 | 0.8750 | 1.0000 | 90.00 |            | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132417 | 0.8750 | 1.0000 | 70.00 | 22/10/1913 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132418 | 0.8750 | 1.0000 | 46.75 | 18/01/1915 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132419 | 0.8750 | 1.0000 | 49.50 | 9/05/1940  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132420 | 1.0000 | 1.0000 | 80.00 | 8/05/1940  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132421 | 0.8750 | 1.0000 | 78.14 | 20/12/1979 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132422 | 0.8750 | 1.0000 | 10.80 | 20/12/1979 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132423 | 0.8750 | 1.0000 | 17.30 | 3/02/1980  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132424 | 0.8750 | 1.0000 | 1.08  | 21/12/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132425 | 0.8750 | 1.0000 | 6.76  | 16/01/1982 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132426 | 0.8750 | 1.0000 | 40.00 | 23/07/1980 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132427 | 0.8750 | 1.0000 | 40.00 | 15/03/1980 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132428 | 0.8750 | 1.0000 | 40.00 | 20/11/1979 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132429 | 0.8750 | 1.0000 | 40.00 | 23/10/1983 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132430 | 0.8750 | 1.0000 | 40.00 | 6/04/1981  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132431 | 1.0000 | 1.0000 | 40.00 | 1/10/1982  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310132432 | 0.8750 | 1.0000 | 25.56 | 21/09/1981 | HBP, Producing | All Horizons         |

|    |          |                        |           |        |        |        |            |                |              |
|----|----------|------------------------|-----------|--------|--------|--------|------------|----------------|--------------|
| NY | O&G      | Empire Energy E&P, LLC | 310132433 | 0.8750 | 1.0000 | 6.60   | 20/09/1988 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132434 | 0.8750 | 1.0000 | 13.76  | 8/07/1985  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132435 | 0.8750 | 1.0000 | 64.00  | 7/05/1989  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132436 | 0.8600 | 1.0000 | 16.30  | 28/09/1986 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132437 | 0.9850 | 1.0000 | 116.40 | 2/02/1989  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132438 | 0.9850 | 1.0000 | 1.30   | 9/02/1988  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132439 | 0.9850 | 1.0000 | 1.00   | 28/02/1988 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132440 | 0.9850 | 1.0000 | 5.80   | 2/09/1988  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132441 | 0.8750 | 1.0000 | 47.00  | 23/11/2001 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132442 | 0.8750 | 1.0000 | 31.00  | 9/12/2001  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132443 | 0.8750 | 1.0000 | 134.00 | 21/01/2002 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132444 | 0.8750 | 1.0000 | 26.70  | 12/09/1988 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132445 | 0.8750 | 1.0000 | 67.40  | 7/08/1987  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132446 | 0.8477 | 0.8750 | 31.60  | 12/08/1996 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132447 | 0.8477 | 0.8750 | 74.30  | 30/07/1996 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132448 | 0.8477 | 0.8750 | 9.30   | 8/02/1988  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132449 | 0.8477 | 1.0000 | 71.70  | 22/04/1988 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132450 | 0.8477 | 0.8750 | 22.10  | 1/05/1989  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132451 | 0.8000 | 0.8750 | 60.00  | 3/11/1990  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132452 | 0.8000 | 0.8750 | 108.50 | 3/11/1990  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132453 | 0.7986 | 0.6478 | 5.80   | 28/02/1992 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132454 | 0.7986 | 0.6478 | 4.30   | 9/03/1992  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132455 | 0.7986 | 0.6478 | 4.00   | 25/02/1992 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132456 | 0.7986 | 0.6478 | 21.00  | 10/03/1992 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132457 | 0.7986 | 0.6478 | 4.00   | 9/03/1992  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132458 | 0.7986 | 0.6478 | 10.00  | 17/03/1999 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132459 | 0.7986 | 0.6478 | 1.50   | 30/05/1992 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132460 | 0.7986 | 0.6478 | 1.30   | 30/05/1992 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132461 | 0.7986 | 0.6478 | 1.50   | 18/08/1992 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132462 | 0.7986 | 0.6478 | 1.50   | 25/05/1992 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132463 | 0.7986 | 0.6478 | 53.56  | 17/11/1991 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132464 | 0.8140 | 0.8011 | 71.80  | 23/12/1989 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132465 | 0.8140 | 0.8011 | 192.30 | 4/11/1990  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132466 | 0.8140 | 0.8011 | 194.10 | 5/11/1989  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132467 | 0.8140 | 0.8011 | 31.00  | 23/12/1990 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132468 | 0.8000 | 0.6478 | 2.00   | 12/06/1992 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132469 | 0.8000 | 0.6478 | 3.80   | 25/07/1992 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132470 | 0.8000 | 0.5482 | 1.50   | 22/03/1992 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132471 | 0.8000 | 0.6474 | 1.30   | 27/03/1992 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132472 | 0.8000 | 0.6474 | 2.40   | 14/12/1991 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132473 | 0.8000 | 0.6474 | 20.00  | 20/07/1992 | HBP, Producing | All Horizons |
| NY | Minerals | Empire Energy E&P, LLC | 310132474 | 1.0000 | 0.6474 | 3.70   | N/A        | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132475 | 0.8250 | 0.8011 | 46.10  | 28/03/1989 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132476 | 0.8250 | 0.8011 | 53.90  | 28/03/1989 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132477 | 0.8250 | 1.0000 | 19.00  | 29/07/1988 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132478 | 0.8250 | 1.0000 | 10.50  | 28/05/1989 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132479 | 0.8250 | 1.0000 | 9.90   | 15/05/1989 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132480 | 0.8250 | 1.0000 | 18.00  | 16/03/1989 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132481 | 0.8750 | 1.0000 | 26.00  | 5/11/1988  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132482 | 0.8750 | 1.0000 | 4.60   | 19/11/1989 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132483 | 0.8750 | 1.0000 | 11.70  | 10/301989  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132484 | 0.8750 | 1.0000 | 20.00  | 30/10/1989 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132485 | 0.7500 | 1.0000 | 75.00  | 13/11/1982 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132486 | 0.8140 | 0.8011 | 65.50  | 14/06/1989 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132487 | 0.8750 | 1.0000 | 129.20 | 21/11/1989 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132488 | 0.8250 | 1.0000 | 3.40   | 23/04/1994 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132489 | 0.8250 | 1.0000 | 23.20  | 1/10/1989  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132490 | 0.8750 | 1.0000 | 220.50 | 20/06/1986 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132491 | 0.8150 | 0.7960 | 44.00  | 2/06/1989  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132492 | 0.8750 | 1.0000 | 40.10  | 6/01/1989  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132493 | 0.8750 | 1.0000 | 2.00   | 14/02/1988 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132494 | 0.8750 | 1.0000 | 11.30  | 12/10/1987 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132495 | 1.0000 | 1.0000 | 1.30   | 12/10/1987 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132496 | 0.8750 | 1.0000 | 24.00  | 1/06/1989  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132497 | 0.9390 | 0.8011 | 10.00  | 14/06/1990 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132498 | 0.8750 | 1.0000 | 7.50   | 30/09/1987 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132499 | 1.0000 | 1.0000 | 1.50   | 12/10/1987 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132500 | 0.8000 | 0.8750 | 13.00  | 24/02/1991 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132501 | 0.8750 | 1.0000 | 68.00  | 19/05/1989 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132502 | 0.8750 | 1.0000 | 77.70  | 18/05/1987 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132503 | 0.8750 | 0.9425 | 178.60 | 9/10/2013  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132504 | 0.8822 | 0.9425 | 1.90   | 21/05/2014 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132505 | 0.8822 | 0.9425 | 2.00   | 21/05/2014 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132506 | 0.8822 | 0.9425 | 2.40   | 21/05/2014 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132507 | 0.8750 | 1.0000 | 150.00 | 6/03/1910  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132508 | 0.8750 | 0.7935 | 62.88  | 24/04/1993 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132509 | 0.7500 | 1.0000 | 70.00  | 21/11/1982 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132510 | 1.0000 | 0.8750 | 58.20  | 21/12/1990 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132511 | 0.8313 | 1.0000 | 21     |            | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132512 | 0.8313 | 1.0000 | 25     |            | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132513 | 0.8313 | 1.0000 | 55     |            | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132514 | 0.8313 | 1.0000 | 48     |            | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132515 | 0.5299 | 1.0000 | 340    |            | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310132516 | 0.8437 | 1.0000 | 63.6   |            | HBP, Producing | All Horizons |

|    |     |                        |           |        |        |       |            |                |                     |
|----|-----|------------------------|-----------|--------|--------|-------|------------|----------------|---------------------|
| NY | O&G | Empire Energy E&P, LLC | 310132517 | 0.8437 | 1.0000 | 81.7  |            | HBP, Producing | All Horizons        |
| NY | O&G | Empire Energy E&P, LLC | 310132518 | 0.8259 | 1.0000 | 26.7  |            | HBP, Producing | All Horizons        |
| NY | O&G | Empire Energy E&P, LLC | 310132519 | 0.8259 | 1.0000 | 46    |            | HBP, Producing | All Horizons        |
| NY | O&G | Empire Energy E&P, LLC | 310132520 | 0.8259 | 1.0000 | 79.5  |            | HBP, Producing | All Horizons        |
| NY | O&G | Empire Energy E&P, LLC | 310132521 | 0.8438 | 1.0000 | 27.5  |            | HBP, Producing | All Horizons        |
| NY | O&G | Empire Energy E&P, LLC | 310132522 | 0.8438 | 1.0000 | 40    |            | HBP, Producing | All Horizons        |
| NY | O&G | Empire Energy E&P, LLC | 310132523 | 0.8438 | 1.0000 | 30    |            | HBP, Producing | All Horizons        |
| NY | O&G | Empire Energy E&P, LLC | 310132524 | 0.8438 | 1.0000 | 44.4  |            | HBP, Producing | All Horizons        |
| NY | O&G | Empire Energy E&P, LLC | 310132525 | 0.8438 | 1.0000 | 60.4  |            | HBP, Producing | All Horizons        |
| NY | O&G | Empire Energy E&P, LLC | 310132526 | 0.8439 | 1.0000 | 53.8  |            | HBP, Producing | All Horizons        |
| NY | O&G | Empire Energy E&P, LLC | 310132527 | 0.8439 | 1.0000 | 42    |            | HBP, Producing | All Horizons        |
| NY | O&G | Empire Energy E&P, LLC | 310132528 | 0.5588 | 1.0000 | 100   |            | HBP, Producing | All Horizons        |
| NY | O&G | Empire Energy E&P, LLC | 310132529 | 0.8438 | 1.0000 | 157.1 |            | HBP, Producing | All Horizons        |
| NY | O&G | Empire Energy E&P, LLC | 310290001 | 0.4123 | 0.5000 | 23.24 | 5/01/1994  | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290003 | 0.4123 | 0.5000 | 22.98 | 29/01/1994 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290004 | 0.4244 | 0.5000 | 26.41 | 12/02/1994 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290005 | 0.4123 | 0.5000 | 29.35 | 10/02/1994 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290006 | 0.6184 | 0.7500 | 7.82  | 18/02/1994 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290007 | 0.4123 | 0.5000 | 15.22 | 12/02/1994 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290008 | 0.6184 | 0.7500 | 15.78 | 24/03/1994 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290009 | 0.6184 | 0.7500 | 24.22 | 23/03/1994 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290010 | 0.6184 | 0.7500 | 30.6  | 31/05/1994 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290011 | 0.6184 | 0.7500 | 3.8   | 2/06/1994  | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290012 | 0.6184 | 0.7500 | 5.6   | 16/06/1994 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290013 | 0.4244 | 0.5000 | 22    | 24/07/1994 | HBP, Producing | Below BTM Med Whirl |
| NY | O&G | Empire Energy E&P, LLC | 310290015 | 0.6184 | 0.7500 | 20    | 24/06/1994 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290016 | 0.6184 | 0.7500 | 3.4   | 6/07/1994  | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290017 | 0.6366 | 0.7500 | 1.6   | 28/06/1994 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290018 | 0.6184 | 0.7500 | 15    | 26/07/1994 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290022 | 0.4123 | 0.5000 | 19    | 16/11/1993 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290023 | 0.4123 | 0.5000 | 10    | 1/04/1994  | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290024 | 0.4123 | 0.5000 | 2     | 27/07/1995 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290025 | 0.4123 | 0.5000 | 2     | 15/02/1995 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290026 | 0.4123 | 0.5000 | 7     | 9/12/1993  | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290029 | 0.4123 | 0.5000 | 1.65  | 21/12/1993 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290030 | 0.4123 | 0.5000 | 5.3   | 16/12/1993 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290035 | 0.4123 | 0.5000 | 40    | 30/12/1993 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290036 | 0.6184 | 0.7500 | 9.7   | 18/07/1986 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290037 | 0.6184 | 0.7500 | 9.9   | 19/05/1994 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290038 | 0.6366 | 0.7500 | 4.8   | 17/05/1994 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290039 | 0.4123 | 0.5000 | 45.6  | 24/11/1993 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290040 | 0.6184 | 0.7500 | 10    | 10/05/1994 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290041 | 0.4123 | 0.5000 | 1.2   | 22/02/1994 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290042 | 0.6184 | 0.7500 | 31.36 | 23/10/1984 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290043 | 0.6184 | 0.7500 | 2.1   | 17/12/1980 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290044 | 0.6184 | 0.7500 | 2.03  | 30/09/1989 | HBP, Producing | All Horizons        |
| NY | O&G | Empire Energy E&P, LLC | 310290045 | 0.6184 | 0.7500 | 1.58  | 17/02/1996 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290046 | 0.6184 | 0.7500 | 0.946 | 15/02/1994 | HBP, Producing | All Horizons        |
| NY | O&G | Empire Energy E&P, LLC | 310290047 | 0.6184 | 0.7500 | 2.25  | 24/04/1993 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290049 | 0.4123 | 0.5000 | 39.5  | 13/09/1994 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290050 | 0.4123 | 0.5000 | 0.5   | 3/09/1994  | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290051 | 0.4123 | 0.5000 | 77    | 26/05/1994 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290052 | 0.4123 | 0.5000 | 3     | 20/10/1994 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290053 | 0.6184 | 0.7500 | 21.65 | 17/05/1994 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290054 | 0.6184 | 0.7500 | 18.35 | 31/10/1984 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290055 | 0.6184 | 0.7500 | 29    | 18/08/1994 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290056 | 0.6184 | 0.7500 | 1.5   | 31/08/1993 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290057 | 0.6184 | 0.7500 | 1.5   | 14/07/1994 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290058 | 0.6184 | 0.7500 | 1     | 30/09/1993 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290059 | 0.6184 | 0.7500 | 4     | 29/08/1993 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290060 | 0.6184 | 0.7500 | 3     | 29/08/1993 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290061 | 0.6184 | 0.7500 | 8.28  | 20/08/1993 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290062 | 0.6184 | 0.7500 | 9.45  | 13/07/1993 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290063 | 0.6184 | 0.7500 | 2.2   | 17/05/1994 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290064 | 0.6184 | 0.7500 | 3     | 18/05/1994 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290065 | 0.6184 | 0.7500 | 2.2   | 17/05/1994 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290066 | 0.6184 | 0.7500 | 3     | 17/05/1994 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290068 | 0.6184 | 0.7500 | 1.83  | 18/05/1994 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290069 | 0.6184 | 0.7500 | 38.09 | 12/03/1994 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290070 | 0.6184 | 0.7500 | 1.91  | 25/02/1986 | HBP, Producing | All Horizons        |
| NY | O&G | Empire Energy E&P, LLC | 310290075 | 0.4123 | 0.5000 | 12    | 10/11/1994 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290076 | 0.4123 | 0.5000 | 9     | 12/11/1994 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290077 | 0.4123 | 0.5000 | 1     | 15/11/1994 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290078 | 0.4123 | 0.5000 | 8.5   | 11/11/1994 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290079 | 0.4123 | 0.5000 | 1     | 12/11/1994 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290080 | 0.4123 | 0.5000 | 1     | 15/11/1994 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290082 | 0.4123 | 0.5000 | 1     | 12/11/1994 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290084 | 0.4123 | 0.5000 | 1     | 12/11/1994 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290086 | 0.4123 | 0.5000 | 40    | 20/09/1994 | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290087 | 0.4123 | 0.5000 | 40    | 16/11/1994 | HBP, Producing | All Horizons        |
| NY | O&G | Empire Energy E&P, LLC | 310290088 | 0.4123 | 0.5000 | 0.47  | 3/03/1994  | HBP, Producing | Surface BTM Clinton |
| NY | O&G | Empire Energy E&P, LLC | 310290089 | 0.4123 | 0.5000 | 1.38  | 13/04/1990 | HBP, Producing | Surface BTM Clinton |





|    |     |                        |           |         |        |        |            |                |                      |
|----|-----|------------------------|-----------|---------|--------|--------|------------|----------------|----------------------|
| NY | O&G | Empire Energy E&P, LLC | 310290259 | 0.7396  | 0.9611 | 50     | 8/12/1987  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310290260 | 0.7396  | 0.9611 | 41     | 8/12/1987  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310290261 | 0.8488  | 1.0000 | 60     | 8/12/1987  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310290262 | 0.8488  | 1.0000 | 41     | 8/12/1987  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310290263 | 0.8488  | 0.1526 | 13.54  | 30/10/1993 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310290264 | 0.7396  | 0.9611 | 209    | 22/06/1987 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310290265 | 0.7490  | 0.9611 | 310    | 22/03/1988 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310290266 | 0.7396  | 0.9611 | 9      | 31/12/1987 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310290267 | 0.8391  | 1.0000 | 130    | 21/10/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310290268 | 0.7587  | 0.9611 | 123    | 5/12/1993  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310290269 | 0.8488  | 0.1526 | 1      | 2/12/1993  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310290270 | 0.8488  | 0.2500 | 10.9   | 5/03/1993  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310290271 | 0.8488  | 0.9611 | 148    | 27/01/1988 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310290272 | 0.7587  | 0.9611 | 223.36 | 12/02/1988 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310290273 | 0.8488  | 0.9611 | 3      | 1/09/1985  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310290274 | 0.8488  | 0.1526 | 75     | 3/02/1993  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310290275 | 0.8488  | 0.2500 | 80     | 23/01/1993 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310290276 | 0.8488  | 0.2500 | 99.7   | 12/01/1993 | HBP, Producing | Surface Top Queenstn |
| NY | FEE | Empire Energy E&P, LLC | 310290277 | 0.8750  | 1.0000 | 42     |            | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310290280 | 0.8750  | 1.0000 | 38     | 8/04/1981  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310290281 | 0.8750  | 1.0000 | 45     | 31/03/1981 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310290282 | 0.8750  | 1.0000 | 94     | 25/06/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310290283 | 0.8750  | 1.0000 | 167    | 1/11/1990  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310290284 | 0.8750  | 1.0000 | 140    | 3/06/1978  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310290285 | 0.8750  | 1.0000 | 61     | 19/04/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310290286 | 0.8750  | 1.0000 | 25     | 31/08/1978 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310290287 | 0.8750  | 1.0000 | 50     | 1/09/1987  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310290289 | 0.8750  | 1.0000 | 56     | 26/06/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310290290 | 0.8750  | 1.0000 | 2      | 11/07/1989 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310290292 | 0.8750  | 1.0000 | 51     | 26/06/1984 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310290293 | 0.8750  | 1.0000 | 40.3   | 14/02/1992 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310290294 | 0.8750  | 1.0000 | 38.1   | 19/11/1992 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310290295 | 0.8750  | 1.0000 | 48.6   | 4/12/1993  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310290297 | 0.8750  | 1.0000 | 15.3   | 4/12/1993  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310290298 | 0.8750  | 1.0000 | 140.00 | 30/08/1910 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310290299 | 0.8750  | 1.0000 | 40.00  | 13/04/1900 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310290300 | 0.8750  | 1.0000 | 7.00   | 29/03/1903 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310290301 | 0.8750  | 1.0000 | 178.00 | 22/11/1914 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310290302 | 0.8750  | 1.0000 | 167.00 | 17/03/1920 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310290303 | 0.8750  | 1.0000 | 196.00 | 1/05/1933  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310290304 | 0.8750  | 1.0000 | 34.00  | 25/06/1928 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310290305 | 0.8750  | 1.0000 | 25.00  | 8/09/1924  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310290306 | 0.8750  | 1.0000 | 200.00 | 31/07/1954 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310290307 | 0.8750  | 1.0000 | 80.00  | 11/03/1913 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310290308 | 0.8750  | 1.0000 | 150.00 | 26/05/2002 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310290309 | 0.8750  | 1.0000 | 100.00 | 19/08/1980 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310290310 | 0.8750  | 1.0000 | 93.16  | 21/11/1919 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310290311 | 0.8750  | 1.0000 | 91.33  | 4/06/1920  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310290312 | 0.8750  | 1.0000 | 93.00  | 26/06/1923 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310290313 | 0.8750  | 1.0000 | 108.00 | 16/03/1985 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310290314 | 0.8750  | 1.0000 | 978.5  | 22/09/1983 | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310290315 | 0.8750  | 1.0000 | 75     | 1/03/1984  | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310290316 | 0.78385 | 1.0000 | 10     |            | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310290317 | 0.78385 | 1.0000 | 5      |            | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310290318 | 0.78385 | 1.0000 | 5      |            | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310290319 | 0.78385 | 1.0000 | 10     |            | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310290320 | 0.78385 | 1.0000 | 5.3    |            | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310290321 | 0.78385 | 1.0000 | 19     |            | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310290322 | 0.84375 | 1.0000 | 89.24  |            | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310290323 | 0.84535 | 1.0000 | 17.62  |            | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310290324 | 0.84535 | 1.0000 | 14.4   |            | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310290325 | 0.84535 | 1.0000 | 27.7   |            | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310290326 | 0.84535 | 1.0000 | 6.7    |            | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310290327 | 0.84535 | 1.0000 | 16.8   |            | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310290328 | 0.76243 | 1.0000 | 105.93 |            | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310290330 | 0.76243 | 1.0000 | 34.69  |            | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310290331 | 0.76243 | 1.0000 | 231.08 |            | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310290332 | 0.55875 | 1.0000 | 97.1   |            | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310290333 | 0.55875 | 1.0000 | 24.41  |            | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310290334 | 0.84415 | 1.0000 | 32     |            | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310290335 | 0.84415 | 1.0000 | 29.6   |            | HBP, Producing | Surface Top Queenstn |
| NY | O&G | Empire Energy E&P, LLC | 310370001 | 0.8750  | 1.0000 | 60.00  | 23/01/1912 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310370002 | 0.8750  | 1.0000 | 8.00   | 6/06/1909  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310370003 | 0.8750  | 1.0000 | 67.00  | 11/02/1908 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310370004 | 0.8750  | 1.0000 | 52.00  | 27/01/1908 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310370005 | 0.8750  | 1.0000 | 77.00  | 9/12/1911  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310370006 | 0.8750  | 1.0000 | 92.00  | 21/09/1918 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310690078 | 0.8488  | 1.0000 | 70     | 24/02/2010 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310690157 | 0.8750  | 1.0000 | 88.00  | 9/09/1970  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310690158 | 0.8750  | 1.0000 | 138.00 | 10/10/1968 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310690159 | 0.8750  | 1.0000 | 196.00 | 10/10/1968 | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310690160 | 0.8750  | 1.0000 | 15.00  | 3/03/1971  | HBP, Producing | All Horizons         |
| NY | O&G | Empire Energy E&P, LLC | 310690161 | 0.8750  | 1.0000 | 21.00  | 2/09/1970  | HBP, Producing | All Horizons         |

|    |          |                        |            |        |        |        |            |                |              |
|----|----------|------------------------|------------|--------|--------|--------|------------|----------------|--------------|
| NY | O&G      | Empire Energy E&P, LLC | 310690162  | 0.8750 | 1.0000 | 1.00   | 9/01/1971  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310690163  | 0.8750 | 1.0000 | 14.70  | 9/01/1971  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310690164  | 0.8750 | 1.0000 | 10.00  | 9/01/1971  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310690165  | 0.8750 | 1.0000 | 120.50 | 11/01/1971 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310690166  | 0.8750 | 1.0000 | 6.10   | 9/01/1971  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310690167  | 0.8750 | 1.0000 | 71.22  | 2/07/1970  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310690168  | 0.8750 | 1.0000 | 15.00  | 6/06/1964  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310690169  | 0.8750 | 1.0000 | 10.00  | 11/12/1971 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310690170  | 0.8750 | 1.0000 | 146.00 | 31/05/1970 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310690171  | 0.8750 | 1.0000 | 123.00 | 2/11/1960  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310690172  | 0.8750 | 1.0000 | 99.00  | 14/01/1993 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310690173  | 0.8750 | 1.0000 | 17.00  | 25/01/2005 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310690174  | 0.8750 | 1.0000 | 80.20  | 31/08/2001 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310690175  | 0.8750 | 1.0000 | 50.00  | 26/10/2011 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310690176  | 0.8750 | 1.0000 | 2.70   | 2/04/2010  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310690177  | 0.8750 | 1.0000 | 1.20   | 5/04/2010  | HBP, Producing | All Horizons |
| NY | Minerals | Empire Energy E&P, LLC | 310690178  | 0.8764 | 1.0000 | 71.22  | N/A        | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990022  | 0.8488 | 1.0000 | 257    | 17/09/2005 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990033  | 0.8488 | 1.0000 | 123    | 1/10/2007  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990034  | 0.8488 | 1.0000 | 331    | 22/10/2007 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990046  | 0.8488 | 1.0000 | 161.7  | 20/06/2013 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990055A | 0.8488 | 1.0000 | 39     | 1/08/2013  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990145A | 0.8488 | 1.0000 | 0.88   | 22/03/2008 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990052  | 0.8488 | 1.0000 | 55.9   | 1/08/2013  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990067  | 0.8488 | 1.0000 | 198.2  | 29/08/2013 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990085  | 0.8488 | 1.0000 | 3      | 5/03/2008  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990086  | 0.8488 | 1.0000 | 2.2    | 6/03/2008  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990087  | 0.8488 | 1.0000 | 55.1   | 4/03/2008  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990088  | 0.8488 | 1.0000 | 138    | 5/03/2005  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990089  | 0.8488 | 1.0000 | 0.68   | 5/03/2008  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990090  | 0.8488 | 1.0000 | 81.5   | 5/03/2008  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990091  | 0.8488 | 1.0000 | 1.3    | 3/03/2008  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990092  | 0.8488 | 1.0000 | 1      | 3/03/2008  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990098  | 0.8488 | 1.0000 | 44.5   | 2/03/2008  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990099  | 0.8488 | 1.0000 | 1.1    | 1/03/2008  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990101  | 0.8488 | 1.0000 | 6.41   | 25/02/2008 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990102  | 0.8488 | 1.0000 | 0.88   | 5/03/2008  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990103  | 0.8488 | 1.0000 | 2.76   | 12/03/2008 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990104  | 0.8488 | 1.0000 | 0.68   | 6/03/2008  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990106  | 0.8488 | 1.0000 | 3.9    | 5/03/2008  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990107  | 0.8488 | 1.0000 | 2      | 13/03/2008 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990108  | 0.8488 | 1.0000 | 134.5  | 17/03/2008 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990119  | 0.8488 | 1.0000 | 28.9   | 11/03/2008 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990121  | 0.8488 | 1.0000 | 77.9   | 25/03/2008 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990122  | 0.8488 | 1.0000 | 0.68   | 22/03/2008 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990130  | 0.8488 | 1.0000 | 753    | 27/03/2008 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990132  | 0.8488 | 1.0000 | 48.9   | 30/03/2008 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990135  | 0.8488 | 1.0000 | 50.76  | 10/04/2004 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990136  | 0.8488 | 1.0000 | 1.3    | 30/03/2008 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990137  | 0.8488 | 1.0000 | 0.92   | 3/04/2008  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990138  | 0.8488 | 1.0000 | 1.36   | 12/04/2008 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990139  | 0.8488 | 1.0000 | 0.88   | 14/04/2004 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990141  | 0.8488 | 1.0000 | 147    | 25/03/2008 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990143  | 0.8488 | 1.0000 | 1      | 7/03/2008  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990144  | 0.8488 | 1.0000 | 0.88   | 22/04/2008 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990146  | 0.8488 | 1.0000 | 0.77   | 2/04/2008  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990150  | 0.8488 | 1.0000 | 1.6    | 26/04/2008 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990152  | 0.8148 | 1.0000 | 865.1  | 4/05/2006  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990157  | 0.8488 | 1.0000 | 910.3  | 1/05/2008  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990160  | 0.8488 | 1.0000 | 1.8    | 5/05/2008  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990161  | 0.8488 | 1.0000 | 1.1    | 6/05/2008  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990162  | 0.8488 | 1.0000 | 4.06   | 6/05/2008  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990163  | 0.8488 | 1.0000 | 1      | 6/05/2008  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990164  | 0.8488 | 1.0000 | 19.6   | 8/05/2008  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990172  | 0.8488 | 1.0000 | 108.5  | 21/02/2013 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990174  | 0.8488 | 1.0000 | 1.2    | 1/07/2008  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990193  | 0.8488 | 1.0000 | 61.4   | 23/09/2008 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990195  | 0.8488 | 1.0000 | 41.2   | 9/10/2008  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990212  | 0.8488 | 1.0000 | 333.1  | 24/10/2008 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990213  | 0.8488 | 1.0000 | 49     | 28/10/2008 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990214  | 0.8488 | 1.0000 | 153.7  | 24/10/2008 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990215  | 0.8488 | 1.0000 | 158.1  | 24/10/2008 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990216  | 0.8488 | 1.0000 | 80.6   | 24/10/2008 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990219  | 0.8488 | 1.0000 | 27.7   | 30/10/2008 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990235  | 0.8488 | 1.0000 | 90.1   | 20/11/2008 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990249  | 0.8488 | 1.0000 | 4.1    | 22/11/2008 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990250  | 0.8488 | 1.0000 | 1.0784 | 23/11/2008 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990251  | 0.8488 | 1.0000 | 33.9   | 2/12/2008  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990271  | 0.8488 | 1.0000 | 1.004  | 6/01/2009  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990272  | 0.8488 | 1.0000 | 43.5   | 8/01/2009  | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990275  | 0.8488 | 1.0000 | 57.25  | 18/12/2008 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990280  | 0.8488 | 1.0000 | 0.88   | 15/01/2009 | HBP, Producing | All Horizons |
| NY | O&G      | Empire Energy E&P, LLC | 310990281  | 0.8488 | 1.0000 | 0.81   | 3/02/2009  | HBP, Producing | All Horizons |

|    |     |                        |            |        |        |          |            |                |                 |
|----|-----|------------------------|------------|--------|--------|----------|------------|----------------|-----------------|
| NY | O&G | Empire Energy E&P, LLC | 310990282  | 0.8488 | 1.0000 | 5        | 28/01/2009 | HBP, Producing | All Horizons    |
| NY | O&G | Empire Energy E&P, LLC | 310990286  | 0.8488 | 1.0000 | 161.8    | 23/01/2009 | HBP, Producing | All Horizons    |
| NY | O&G | Empire Energy E&P, LLC | 310990299  | 0.8488 | 1.0000 | 5        | 6/03/2009  | HBP, Producing | All Horizons    |
| NY | O&G | Empire Energy E&P, LLC | 310990300  | 0.8488 | 1.0000 | 6.6      | 15/03/2009 | HBP, Producing | All Horizons    |
| NY | O&G | Empire Energy E&P, LLC | 310990301  | 0.8488 | 1.0000 | 381      | 30/01/2009 | HBP, Producing | All Horizons    |
| NY | O&G | Empire Energy E&P, LLC | 310990303  | 0.8488 | 1.0000 | 5        | 5/04/2009  | HBP, Producing | All Horizons    |
| NY | O&G | Empire Energy E&P, LLC | 310990313  | 0.8488 | 1.0000 | 1.154    | 9/06/2009  | HBP, Producing | All Horizons    |
| NY | O&G | Empire Energy E&P, LLC | 310990343  | 0.8488 | 1.0000 | 2.05     | 21/02/2010 | HBP, Producing | All Horizons    |
| NY | O&G | Empire Energy E&P, LLC | 310990377  | 0.8488 | 1.0000 | 1        | 10/08/2006 | HBP, Producing | All Horizons    |
| NY | O&G | Empire Energy E&P, LLC | 310990446  | 0.8488 | 1.0000 | 265.7    | 19/10/2012 | HBP, Producing | All Horizons    |
| NY | O&G | Empire Energy E&P, LLC | 310990447  | 0.8488 | 1.0000 | 129.7    | 8/12/2012  | HBP, Producing | All Horizons    |
| NY | O&G | Empire Energy E&P, LLC | 310990448  | 0.8488 | 1.0000 | 289.44   | 24/07/2012 | HBP, Producing | All Horizons    |
| NY | O&G | Empire Energy E&P, LLC | 310990449  | 0.8488 | 1.0000 | 125.7    | 14/10/2012 | HBP, Producing | All Horizons    |
| NY | O&G | Empire Energy E&P, LLC | 310990450  | 0.8488 | 1.0000 | 399.93   | 14/10/2012 | HBP, Producing | All Horizons    |
| NY | O&G | Empire Energy E&P, LLC | 310990451  | 0.8184 | 1.0000 | 296.14   | 19/10/2012 | HBP, Producing | All Horizons    |
| NY | O&G | Empire Energy E&P, LLC | 310990452  | 0.8488 | 1.0000 | 434.4    | 19/10/2012 | HBP, Producing | All Horizons    |
| NY | O&G | Empire Energy E&P, LLC | 311170004  | 0.8488 | 0.5000 | 97       | 5/11/1998  | HBP, Producing | All Horizons    |
| NY | O&G | Empire Energy E&P, LLC | 311170008  | 0.8488 | 0.5000 | 132      | 12/11/2008 | HBP, Producing | All Horizons    |
| NY | O&G | Empire Energy E&P, LLC | 311170009  | 0.8488 | 0.5000 | 85       | 11/11/2008 | HBP, Producing | All Horizons    |
| NY | O&G | Empire Energy E&P, LLC | 311170011  | 0.8488 | 0.5000 | 166.31   | 28/10/2008 | HBP, Producing | All Horizons    |
| NY | O&G | Empire Energy E&P, LLC | 311170021  | 0.8488 | 0.5000 | 41       | 1/12/2008  | HBP, Producing | All Horizons    |
| NY | O&G | Empire Energy E&P, LLC | 311170024  | 0.8488 | 0.5000 | 62       | 3/12/2008  | HBP, Producing | All Horizons    |
| NY | O&G | Empire Energy E&P, LLC | 311170026  | 0.8184 | 0.5000 | 7.4      | 25/01/2009 | HBP, Producing | All Horizons    |
| NY | O&G | Empire Energy E&P, LLC | 311170033  | 0.8488 | 0.5000 | 983.45   | 30/06/2004 | HBP, Producing | All Horizons    |
| NY | O&G | Empire Energy E&P, LLC | 311170093  | 0.8488 | 0.5000 | 25.5     | 20/11/2007 | HBP, Producing | All Horizons    |
| NY | O&G | Empire Energy E&P, LLC | 311170105  | 0.8488 | 0.5000 | 8.7      | 19/12/2005 | HBP, Producing | All Horizons    |
| NY | O&G | Empire Energy E&P, LLC | 311170118  | 0.8488 | 1.0000 | 91.06    | 25/01/2022 | Leased, PaidUP | All Horizons    |
| NY | O&G | Empire Energy E&P, LLC | 311170140  | 0.8488 | 0.5000 | 0.89     | 12/02/2008 | HBP, Producing | All Horizons    |
| NY | O&G | Empire Energy E&P, LLC | 311170202A | 0.8488 | 0.5000 | 0.75     | 4/03/2006  | HBP, Producing | All Horizons    |
| NY | O&G | Empire Energy E&P, LLC | 311170338  | 0.8488 | 0.5000 | 5.96     | 2/03/2010  | HBP, Producing | All Horizons    |
| NY | O&G | Empire Energy E&P, LLC | 311170432  | 0.8488 | 0.5000 | 50.5     | 31/03/2011 | HBP, Producing | All Horizons    |
| NY | O&G | Empire Energy E&P, LLC | 311170473  | 0.8488 | 0.5000 | 2.84     | 24/10/2006 | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370050001  | 0.8750 | 0.5000 | 45       | 15/12/1996 | HBP,Producing  | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370050002  | 0.8750 | 0.7501 | 151      | 11/01/1990 | HBP,Producing  | Surface BTM Elk |
| PA | O&G | Empire Energy E&P, LLC | 370050003  | 0.8750 | 0.3570 | 140      | 21/05/1992 | HBP,Producing  | Surface BTM Elk |
| PA | O&G | Empire Energy E&P, LLC | 370050004  | 0.8750 | 0.2500 | 50       | 4/11/1996  | HBP,Producing  | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370050005  | 0.8750 | 0.3750 | 191      | 31/07/1992 | HBP,Producing  | Surface BTM Elk |
| PA | O&G | Empire Energy E&P, LLC | 370050006  | 0.8750 | 0.3750 | 50       | 23/02/1992 | HBP,Producing  | Surface BTM Elk |
| PA | O&G | Empire Energy E&P, LLC | 370050007  | 0.8750 | 0.3750 | 91       | 19/04/1995 | HBP,Producing  | Surface BTM Elk |
| PA | O&G | Empire Energy E&P, LLC | 370310003  | 0.8750 | 1.0000 | 20       | 16/11/1975 | HBP,Producing  | Surface BTM Elk |
| PA | O&G | Empire Energy E&P, LLC | 370310004  | 0.8750 | 1.0000 | 126      | 30/12/1988 | HBP,Producing  | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370310005  | 0.8750 | 1.0000 | 7.151    | 8/08/1990  | HBP,Producing  | Surface BTM Elk |
| PA | O&G | Empire Energy E&P, LLC | 370310006  | 0.8750 | 1.0000 | 170      | 22/08/1957 | HBP,Producing  | Surface BTM Elk |
| PA | O&G | Empire Energy E&P, LLC | 370310007  | 0.8750 | 1.0000 | 84       | 12/08/1988 | HBP,Producing  | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370310008  | 0.8750 | 0.6250 | 104      | 29/09/1993 | HBP,Producing  | Surface BTM Elk |
| PA | O&G | Empire Energy E&P, LLC | 370310009  | 0.8750 | 1.0000 | 175.1    | 12/01/1990 | HBP,Producing  | Surface BTM Elk |
| PA | O&G | Empire Energy E&P, LLC | 370310010  | 0.8750 | 1.0000 | 14       | 7/11/1998  | HBP,Producing  | Surface BTM Elk |
| PA | O&G | Empire Energy E&P, LLC | 370310011  | 0.8750 | 1.0000 | 152      | 9/01/1966  | HBP,Producing  | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370310012  | 0.8750 | 1.0000 | 189      | 15/02/1929 | HBP,Producing  | Surface BTM Elk |
| PA | O&G | Empire Energy E&P, LLC | 370310013  | 0.8750 | 0.7501 | 103      | 11/01/1990 | HBP,Producing  | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370310014  | 0.8750 | 1.0000 | 12.5     | 11/10/1914 | HBP,Producing  | Surface BTM Elk |
| PA | O&G | Empire Energy E&P, LLC | 370310015  | 0.8750 | 0.5000 | 5        | 1/05/1998  | HBP,Producing  | Surface BTM Elk |
| PA | O&G | Empire Energy E&P, LLC | 370310016  | 0.8750 | 0.3750 | 50       | 25/10/1994 | HBP,Producing  | Surface BTM Elk |
| PA | O&G | Empire Energy E&P, LLC | 370310017  | 0.8750 | 1.0000 | 51       | 21/01/1967 | HBP,Producing  | Surface BTM Elk |
| PA | O&G | Empire Energy E&P, LLC | 370310018  | 0.8750 | 0.7501 | 116      | 30/01/1992 | HBP,Producing  | Surface BTM Elk |
| PA | O&G | Empire Energy E&P, LLC | 370310019  | 0.8750 | 0.2500 | 47       | 7/10/1996  | HBP,Producing  | Surface BTM Elk |
| PA | O&G | Empire Energy E&P, LLC | 370310021  | 0.8750 | 1.0000 | 100      | 2/04/1950  | HBP,Producing  | Surface BTM Elk |
| PA | O&G | Empire Energy E&P, LLC | 370310022  | 0.8750 | 0.6250 | 7.31     | 11/04/1997 | HBP,Producing  | Surface BTM Elk |
| PA | O&G | Empire Energy E&P, LLC | 370310023  | 0.8750 | 0.8748 | 23.978   | 8/11/1996  | HBP,Producing  | Surface BTM Elk |
| PA | O&G | Empire Energy E&P, LLC | 370310025  | 0.8750 | 1.0000 | 87.16    | 17/12/1998 | HBP,Producing  | Surface BTM Elk |
| PA | O&G | Empire Energy E&P, LLC | 370310026  | 0.8750 | 0.2500 | 5        | 29/04/1997 | HBP,Producing  | Surface BTM Elk |
| PA | O&G | Empire Energy E&P, LLC | 370310027  | 0.8750 | 0.6250 | 80       | 15/06/1996 | HBP,Producing  | Surface BTM Elk |
| PA | O&G | Empire Energy E&P, LLC | 370310030  | 0.8750 | 1.0000 | 48       | 17/09/1991 | HBP,Producing  | Surface BTM Elk |
| PA | O&G | Empire Energy E&P, LLC | 370310031  | 0.8750 | 1.0000 | 102      | 9/12/1989  | HBP,Producing  | Surface BTM Elk |
| PA | O&G | Empire Energy E&P, LLC | 370310032  | 0.8750 | 0.2500 | 124      | 1/02/1998  | HBP,Producing  | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370310033  | 0.8750 | 1.0000 | 64       | 2/08/1960  | HBP,Producing  | Surface BTM Elk |
| PA | O&G | Empire Energy E&P, LLC | 370310034  | 0.8750 | 1.0000 | 35       | 23/02/1984 | HBP,Producing  | Surface BTM Elk |
| PA | O&G | Empire Energy E&P, LLC | 370310035  | 0.8750 | 0.6667 | 101      | 1/04/2000  | HBP,Producing  | Surface BTM Elk |
| PA | O&G | Empire Energy E&P, LLC | 370310036  | 0.8750 | 0.5000 | 100      | 9/09/1997  | HBP,Producing  | Surface BTM Elk |
| PA | O&G | Empire Energy E&P, LLC | 370310037  | 0.8750 | 1.0000 | 8        | 20/06/1993 | HBP,Producing  | Surface BTM Elk |
| PA | O&G | Empire Energy E&P, LLC | 370310039  | 0.8750 | 1.0000 | 114      | 24/03/1993 | HBP,Producing  | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370310041  | 0.8750 | 1.0000 | 63       | 28/11/2004 | HBP,Producing  | Surface BTM Elk |
| PA | O&G | Empire Energy E&P, LLC | 370310042  | 0.8750 | 1.0000 | 220      | 16/05/1966 | HBP,Producing  | Surface BTM Elk |
| PA | O&G | Empire Energy E&P, LLC | 370310043  | 0.8750 | 1.0000 | 180.8875 | 13/11/1991 | HBP,Producing  | Surface BTM Elk |
| PA | O&G | Empire Energy E&P, LLC | 370310044  | 0.8750 | 1.0000 | 100      | 3/08/1991  | HBP,Producing  | Surface BTM Elk |
| PA | O&G | Empire Energy E&P, LLC | 370310045  | 0.8750 | 1.0000 | 60       | 25/08/1991 | HBP,Producing  | Surface BTM Elk |
| PA | O&G | Empire Energy E&P, LLC | 370310046  | 0.8750 | 0.6667 | 1.5      | 20/11/2002 | HBP,Producing  | Surface BTM Elk |
| PA | O&G | Empire Energy E&P, LLC | 370310047  | 0.8750 | 1.0000 | 51       | 11/01/1991 | HBP,Producing  | Surface BTM Elk |
| PA | O&G | Empire Energy E&P, LLC | 370310048  | 0.8750 | 1.0000 | 124      | 15/04/1960 | HBP,Producing  | Surface BTM Elk |
| PA | O&G | Empire Energy E&P, LLC | 370310049  | 0.8750 | 1.0000 | 101      | 4/03/1989  | HBP,Producing  | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370310050  | 0.8750 | 0.5000 | 54.66    | 3/12/1996  | HBP,Producing  | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370310051  | 0.8750 | 1.0000 | 101.52   | 18/09/1988 | HBP,Producing  | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370310052  | 0.8750 | 1.0000 | 7.70625  | 14/10/2001 | HBP,Producing  | Surface BTM Elk |
| PA | O&G | Empire Energy E&P, LLC | 370310053  | 0.8750 | 1.0000 | 19       | 20/08/1986 | HBP,Producing  | Surface BTM Elk |

|    |     |                        |           |        |        |        |            |                |                 |
|----|-----|------------------------|-----------|--------|--------|--------|------------|----------------|-----------------|
| PA | O&G | Empire Energy E&P, LLC | 370310054 | 0.8750 | 1.0000 | 20     | 15/09/2018 | HBP,Producing  | Surface BTM Elk |
| PA | O&G | Empire Energy E&P, LLC | 370310055 | 0.8750 | 0.6667 | 85.96  | 1/04/2018  | HBP,Producing  | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370310056 | 0.8750 | 1.0000 | 83.189 | 1/04/2018  | HBP,Producing  | Surface BTM Elk |
| PA | O&G | Empire Energy E&P, LLC | 370310057 | 0.8750 | 1.0000 | 65     | 1/04/2018  | HBP,Producing  | Surface BTM Elk |
| PA | O&G | Empire Energy E&P, LLC | 370310058 | 0.8750 | 1.0000 | 35     | 18/12/2005 | HBP,Producing  | Surface BTM Elk |
| PA | O&G | Empire Energy E&P, LLC | 370310059 | 0.8750 | 1.0000 | 71     | 15/09/2018 | HBP,Producing  | Surface BTM Elk |
| PA | O&G | Empire Energy E&P, LLC | 370310060 | 0.8750 | 0.5000 | 40     | 1/06/1996  | HBP,Producing  | Surface BTM Elk |
| PA | O&G | Empire Energy E&P, LLC | 370310061 | 0.8750 | 0.6667 | 85.33  | 15/09/2018 | HBP,Producing  | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370310062 | 0.8750 | 1.0000 | 120    | 22/08/2004 | HBP,Producing  | Surface BTM Elk |
| PA | O&G | Empire Energy E&P, LLC | 370490179 | 0.7881 | 1.0000 | 223    | 23/03/1979 | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490190 | 0.8488 | 1.0000 | 21.89  | 30/06/1979 | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490191 | 0.8488 | 1.0000 | 17.78  | 11/07/1979 | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490192 | 0.8488 | 1.0000 | 9      | 9/06/1989  | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490203 | 0.8488 | 1.0000 | 140    | 9/10/1982  | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490204 | 0.8488 | 1.0000 | 114.79 | 15/06/1989 | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490205 | 0.8488 | 1.0000 | 21.5   | 14/11/1981 | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490209 | 0.8222 | 1.0000 | 82     | 25/06/1984 | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490213 | 0.8488 | 1.0000 | 38     | 16/06/1982 | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490222 | 0.7922 | 1.0000 | 115    | 18/12/1981 | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490223 | 0.7881 | 1.0000 | 124    | 4/05/1986  | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490224 | 0.8488 | 1.0000 | 9.51   | 18/06/2001 | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490225 | 0.8488 | 1.0000 | 21.9   | 21/06/1983 | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490227 | 0.8222 | 1.0000 | 57     | 11/11/1983 | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490228 | 0.8488 | 1.0000 | 10.027 | 26/09/1986 | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490229 | 0.8488 | 1.0000 | 10.027 | 18/09/1986 | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490252 | 0.8488 | 1.0000 | 31.68  | 3/12/1982  | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490253 | 0.8488 | 1.0000 | 48.07  | 1/12/1982  | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490254 | 0.8488 | 1.0000 | 45     | 10/04/1982 | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490255 | 0.8488 | 1.0000 | 233    | 5/07/1981  | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490256 | 0.8488 | 1.0000 | 120.55 | 20/09/1981 | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490257 | 0.8488 | 1.0000 | 19     | 31/03/2001 | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490290 | 0.8167 | 0.9255 | 44.07  | 6/11/1982  | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490291 | 0.8488 | 1.0000 | 92.46  | 22/12/1988 | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490292 | 0.8488 | 1.0000 | 98.5   | 18/05/1986 | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490293 | 0.8488 | 1.0000 | 202.17 | 9/05/1986  | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490294 | 0.8488 | 1.0000 | 81     | 8/10/2002  | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490314 | 0.8488 | 1.0000 | 57     | 29/10/1988 | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490321 | 0.8488 | 1.0000 | 96.58  | 7/08/1986  | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490335 | 0.7881 | 1.0000 | 39     | 8/07/1981  | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490336 | 0.7881 | 1.0000 | 280    | 26/07/1986 | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490337 | 0.7881 | 1.0000 | 38.93  | 6/07/1986  | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490338 | 0.8488 | 1.0000 | 13.76  | 7/05/1984  | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490339 | 0.7881 | 1.0000 | 47.84  | 28/06/1986 | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490340 | 0.8488 | 1.0000 | 109    | 16/02/1988 | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490345 | 0.8488 | 1.0000 | 21.12  | 31/08/1985 | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490354 | 0.7881 | 1.0000 | 93     | 30/06/1986 | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490355 | 0.7881 | 1.0000 | 25     | 27/06/1986 | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490356 | 0.8488 | 1.0000 | 2.58   | 25/06/1983 | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490376 | 0.8488 | 1.0000 | 225    | 21/11/1985 | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490405 | 0.8488 | 1.0000 | 50     | 23/04/1987 | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490418 | 0.8488 | 1.0000 | 138.75 | 22/09/1988 | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490419 | 0.8488 | 1.0000 | 137    | 2/03/1983  | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490420 | 0.7881 | 1.0000 | 75     | 24/08/1986 | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490421 | 0.8488 | 1.0000 | 100    | 1/05/1985  | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490433 | 0.8488 | 1.0000 | 175    | 11/08/1985 | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490445 | 0.8488 | 1.0000 | 99.19  | 18/09/1988 | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490475 | 0.8488 | 1.0000 | 100    | 24/11/1989 | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490498 | 0.8488 | 1.0000 | 75     | 14/08/1987 | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490501 | 0.8488 | 1.0000 | 119.2  | 20/08/1982 | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490512 | 0.7881 | 1.0000 | 225    | 26/07/1986 | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490520 | 0.7881 | 1.0000 | 20     | 20/08/1986 | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490553 | 0.8488 | 1.0000 | 50     | 1/03/1987  | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490556 | 0.8488 | 1.0000 | 80     | 16/01/1989 | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490613 | 0.8488 | 1.0000 | 187    | 17/11/1996 | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490640 | 0.8488 | 1.0000 | 50     | 15/03/1985 | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490659 | 0.7881 | 1.0000 | 100    | 10/08/1986 | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490660 | 0.8488 | 1.0000 | 67     | 16/06/1988 | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490661 | 0.7881 | 1.0000 | 38     | 4/07/1986  | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490662 | 0.8488 | 1.0000 | 0.94   | 8/07/1983  | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490675 | 0.8488 | 1.0000 | 434.21 | 17/11/1985 | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490678 | 0.8488 | 1.0000 | 20     | 4/11/1990  | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490679 | 0.8488 | 1.0000 | 95     | 3/06/1983  | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490680 | 0.8488 | 1.0000 | 20     | 5/08/1982  | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490681 | 0.8488 | 1.0000 | 50     | 2/05/1981  | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490682 | 0.8488 | 1.0000 | 36     | 23/06/1989 | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490683 | 0.8488 | 1.0000 | 21     | 5/06/1982  | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490688 | 0.8488 | 1.0000 | 152.48 | 6/08/1985  | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490693 | 0.8488 | 1.0000 | 151    | 8/04/1985  | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490699 | 0.8488 | 1.0000 | 100    | 9/10/1989  | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490715 | 0.8488 | 1.0000 | 23.75  | 22/03/1980 | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490725 | 0.8488 | 1.0000 | 271.12 | 29/12/1979 | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490726 | 0.8488 | 1.0000 | 140.13 | 27/04/1978 | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490750 | 0.8222 | 1.0000 | 139.9  | 19/01/1987 | HBP, Producing | All Horizons    |
| PA | O&G | Empire Energy E&P, LLC | 370490751 | 0.8222 | 1.0000 | 225    | 17/10/1983 | HBP, Producing | All Horizons    |

|             |     |                        |           |        |        |        |            |                |                      |
|-------------|-----|------------------------|-----------|--------|--------|--------|------------|----------------|----------------------|
| PA          | O&G | Empire Energy E&P, LLC | 370490752 | 0.8488 | 1.0000 | 89.59  | 15/06/1989 | HBP, Producing | All Horizons         |
| PA          | O&G | Empire Energy E&P, LLC | 370490753 | 0.8488 | 1.0000 | 28     | 27/04/2001 | HBP, Producing | All Horizons         |
| PA          | O&G | Empire Energy E&P, LLC | 370490754 | 0.8488 | 1.0000 | 10.86  | 19/01/1987 | HBP, Producing | All Horizons         |
| PA          | O&G | Empire Energy E&P, LLC | 370490943 | 0.7881 | 1.0000 | 97     | 25/04/1982 | HBP, Producing | Surface Top Queenstn |
| PA          | O&G | Empire Energy E&P, LLC | 370490944 | 0.7881 | 1.0000 | 98     | 6/07/1981  | HBP, Producing | Surface Top Queenstn |
| PA          | O&G | Empire Energy E&P, LLC | 370490945 | 0.7881 | 1.0000 | 175    | 8/02/1982  | HBP, Producing | Surface Top Queenstn |
| PA          | O&G | Empire Energy E&P, LLC | 370490946 | 0.7881 | 1.0000 | 127.14 | 14/04/1980 | HBP, Producing | Surface Top Queenstn |
| PA          | O&G | Empire Energy E&P, LLC | 370490947 | 0.8488 | 0.7350 | 165    | 27/06/1981 | HBP, Producing | Surface Top Queenstn |
| PA          | O&G | Empire Energy E&P, LLC | 370490948 | 0.7881 | 1.0000 | 37     | 9/08/1986  | HBP, Producing | Surface Top Queenstn |
| PA          | O&G | Empire Energy E&P, LLC | 370490949 | 0.7881 | 1.0000 | 82     | 3/07/1986  | HBP, Producing | Surface Top Queenstn |
| PA          | O&G | Empire Energy E&P, LLC | 370490950 | 0.7881 | 1.0000 | 170    | 12/09/1980 | HBP, Producing | Surface Top Queenstn |
| PA          | O&G | Empire Energy E&P, LLC | 370490951 | 0.7881 | 1.0000 | 216    | 2/06/1986  | HBP, Producing | Surface Top Queenstn |
| PA          | O&G | Empire Energy E&P, LLC | 370490952 | 0.7881 | 1.0000 | 150    | 11/03/1987 | HBP, Producing | Surface Top Queenstn |
| PA          | O&G | Empire Energy E&P, LLC | 370650001 | 0.8750 | 1.0000 | 44     | 28/12/2018 | HBP,Producing  | Surface BTM Elk      |
| PA          | O&G | Empire Energy E&P, LLC | 370650003 | 0.8750 | 1.0000 | 86     | 4/05/1945  | HBP,Producing  | Surface BTM Elk      |
| PA          | O&G | Empire Energy E&P, LLC | 370650004 | 0.8750 | 1.0000 | 35     | 3/08/1963  | HBP,Producing  | Surface BTM Elk      |
| PA          | O&G | Empire Energy E&P, LLC | 370650005 | 0.8750 | 1.0000 | 106    | 27/05/1950 | HBP,Producing  | Surface BTM Elk      |
| PA          | O&G | Empire Energy E&P, LLC | 370650006 | 0.8750 | 1.0000 | 140    | 27/05/1950 | HBP,Producing  | Surface BTM Elk      |
| PA          | O&G | Empire Energy E&P, LLC | 370650007 | 0.8750 | 0.2500 | 221    | 12/12/1997 | HBP,Producing  | All Horizons         |
| PA          | O&G | Empire Energy E&P, LLC | 370650009 | 0.8750 | 1.0000 | 36     | 17/06/1945 | HBP,Producing  | Surface BTM Elk      |
| PA          | O&G | Empire Energy E&P, LLC | 370650010 | 0.8750 | 1.0000 | 84     | 6/01/1951  | HBP,Producing  | Surface BTM Elk      |
| PA          | O&G | Empire Energy E&P, LLC | 370650011 | 0.8750 | 1.0000 | 40     | 27/01/1960 | HBP,Producing  | Surface BTM Elk      |
| PA          | O&G | Empire Energy E&P, LLC | 370650012 | 0.8750 | 1.0000 | 108    | 18/02/2003 | HBP,Producing  | Surface BTM Elk      |
| PA          | O&G | Empire Energy E&P, LLC | 370650014 | 0.8750 | 1.0000 | 76     | 10/10/2000 | HBP,Producing  | Surface BTM Elk      |
| PA          | O&G | Empire Energy E&P, LLC | 370650015 | 0.8750 | 1.0000 | 76     | 10/10/2000 | HBP,Producing  | Surface BTM Elk      |
| PA          | O&G | Empire Energy E&P, LLC | 370650016 | 0.8750 | 1.0000 | 135    | 7/04/1961  | HBP,Producing  | All Horizons         |
| PA          | O&G | Empire Energy E&P, LLC | 370650017 | 0.8750 | 1.0000 | 200    | 5/04/1960  | HBP,Producing  | Surface BTM Elk      |
| PA          | O&G | Empire Energy E&P, LLC | 370650018 | 0.8750 | 1.0000 | 22     | 25/01/1987 | HBP,Producing  | Surface BTM Elk      |
| PA          | O&G | Empire Energy E&P, LLC | 370650019 | 0.8750 | 1.0000 | 73.73  | 31/01/1995 | HBP,Producing  | Surface BTM Elk      |
| PA          | O&G | Empire Energy E&P, LLC | 370650020 | 0.8750 | 1.0000 | 177    | 2/01/1961  | HBP,Producing  | Surface BTM Elk      |
| PA          | O&G | Empire Energy E&P, LLC | 370650021 | 0.8750 | 1.0000 | 133.4  | 13/03/1992 | HBP,Producing  | All Horizons         |
| PA          | O&G | Empire Energy E&P, LLC | 370650022 | 0.8750 | 0.8000 | 32     | 3/08/1962  | HBP,Producing  | Surface BTM Elk      |
| PA          | O&G | Empire Energy E&P, LLC | 370650023 | 0.8750 | 1.0000 | 42     | 7/04/1993  | HBP,Producing  | Surface BTM Elk      |
| PA          | O&G | Empire Energy E&P, LLC | 370650024 | 0.8750 | 1.0000 | 101    | 13/06/1939 | HBP,Producing  | Surface BTM Elk      |
| PA          | O&G | Empire Energy E&P, LLC | 370650025 | 0.8750 | 0.8000 | 104    | 25/09/1964 | HBP,Producing  | Surface BTM Elk      |
| 267307.6497 |     |                        |           |        |        |        |            |                |                      |

| State | Minerals | Operator               | Empire ID    | NRI | WI     | Acreage | Maturity   | Status       | Formation |
|-------|----------|------------------------|--------------|-----|--------|---------|------------|--------------|-----------|
| NY    | ROW      | Empire Energy E&P, LLC | RW310090001  | N/A | 1.0000 | N/A     | 28/08/2042 | Right of Way | Surface   |
| NY    | ROW      | Empire Energy E&P, LLC | RW310090002  | N/A | 1.0000 | N/A     | 10/10/2042 | Right of Way | Surface   |
| NY    | ROW      | Empire Energy E&P, LLC | RW310090003  | N/A | 1.0000 | N/A     | 7/06/2032  | Right of Way | Surface   |
| NY    | ROW      | Empire Energy E&P, LLC | RW310090004B | N/A | 1.0000 | N/A     | 24/08/2094 | Right of Way | Surface   |
| NY    | ROW      | Empire Energy E&P, LLC | RW310090007  | N/A | 1.0000 | N/A     | 1/04/2084  | Right of Way | Surface   |
| NY    | ROW      | Empire Energy E&P, LLC | RW310090037  | N/A | 1.0000 | N/A     | 23/09/2103 | Right of Way | Surface   |
| NY    | ROW      | Empire Energy E&P, LLC | RW310090100  | N/A | 1.0000 | N/A     | 21/07/2081 | Right of Way | Surface   |
| NY    | ROW      | Empire Energy E&P, LLC | RW310090101  | N/A | 1.0000 | N/A     | 22/11/2082 | Right of Way | Surface   |
| NY    | ROW      | Empire Energy E&P, LLC | RW310090102  | N/A | 1.0000 | N/A     | 28/07/2081 | Right of Way | Surface   |
| NY    | ROW      | Empire Energy E&P, LLC | RW310090103  | N/A | 1.0000 | N/A     | 21/07/2081 | Right of Way | Surface   |
| NY    | ROW      | Empire Energy E&P, LLC | RW310090104  | N/A | 1.0000 | N/A     | 24/02/2083 | Right of Way | Surface   |
| NY    | ROW      | Empire Energy E&P, LLC | RW310090105  | N/A | 1.0000 | N/A     | 4/01/2083  | Right of Way | Surface   |
| NY    | ROW      | Empire Energy E&P, LLC | RW310090106  | N/A | 1.0000 | N/A     | 22/11/2082 | Right of Way | Surface   |
| NY    | ROW      | Empire Energy E&P, LLC | RW310090107  | N/A | 1.0000 | N/A     | 6/01/2083  | Right of Way | Surface   |
| NY    | ROW      | Empire Energy E&P, LLC | RW310090108  | N/A | 1.0000 | N/A     | 5/12/2082  | Right of Way | Surface   |
| NY    | ROW      | Empire Energy E&P, LLC | RW310090109  | N/A | 1.0000 | N/A     | 28/07/2081 | Right of Way | Surface   |
| NY    | ROW      | Empire Energy E&P, LLC | RW310090110  | N/A | 1.0000 | N/A     | 27/07/2081 | Right of Way | Surface   |
| NY    | ROW      | Empire Energy E&P, LLC | RW310090111  | N/A | 1.0000 | N/A     | 28/07/2081 | Right of Way | Surface   |
| NY    | ROW      | Empire Energy E&P, LLC | RW310090112  | N/A | 1.0000 | N/A     | 27/07/2081 | Right of Way | Surface   |
| NY    | ROW      | Empire Energy E&P, LLC | RW310090113  | N/A | 1.0000 | N/A     | 28/08/2081 | Right of Way | Surface   |
| NY    | ROW      | Empire Energy E&P, LLC | RW310090114  | N/A | 1.0000 | N/A     | 14/12/2083 | Right of Way | Surface   |
| NY    | ROW      | Empire Energy E&P, LLC | RW310090115  | N/A | 1.0000 | N/A     | 29/11/2082 | Right of Way | Surface   |
| NY    | ROW      | Empire Energy E&P, LLC | RW310090116  | N/A | 1.0000 | N/A     | 21/07/2081 | Right of Way | Surface   |
| NY    | ROW      | Empire Energy E&P, LLC | RW310090117  | N/A | 1.0000 | N/A     | 12/08/2081 | Right of Way | Surface   |
| NY    | ROW      | Empire Energy E&P, LLC | RW310090118  | N/A | 1.0000 | N/A     | 29/11/2082 | Right of Way | Surface   |
| NY    | ROW      | Empire Energy E&P, LLC | RW310090119  | N/A | 1.0000 | N/A     | 21/07/2081 | Right of Way | Surface   |
| NY    | ROW      | Empire Energy E&P, LLC | RW310090120  | N/A | 1.0000 | N/A     | 21/11/2082 | Right of Way | Surface   |
| NY    | ROW      | Empire Energy E&P, LLC | RW310090121  | N/A | 1.0000 | N/A     | 5/11/2081  | Right of Way | Surface   |
| NY    | ROW      | Empire Energy E&P, LLC | RW310090122  | N/A | 1.0000 | N/A     | 17/09/2082 | Right of Way | Surface   |
| NY    | ROW      | Empire Energy E&P, LLC | RW310090123  | N/A | 1.0000 | N/A     | 15/10/2082 | Right of Way | Surface   |
| NY    | ROW      | Empire Energy E&P, LLC | RW310090124  | N/A | 1.0000 | N/A     | 9/08/2081  | Right of Way | Surface   |
| NY    | ROW      | Empire Energy E&P, LLC | RW310090127  | N/A | 1.0000 | N/A     | 10/09/2082 | Right of Way | Surface   |
| NY    | ROW      | Empire Energy E&P, LLC | RW310090128  | N/A | 1.0000 | N/A     | 8/01/2081  | Right of Way | Surface   |
| NY    | ROW      | Empire Energy E&P, LLC | RW310090129  | N/A | 1.0000 | N/A     | 9/12/2080  | Right of Way | Surface   |
| NY    | ROW      | Empire Energy E&P, LLC | RW310090130  | N/A | 1.0000 | N/A     | 7/09/2082  | Right of Way | Surface   |
| NY    | ROW      | Empire Energy E&P, LLC | RW310090131  | N/A | 1.0000 | N/A     | 10/09/2082 | Right of Way | Surface   |
| NY    | ROW      | Empire Energy E&P, LLC | RW310090132  | N/A | 1.0000 | N/A     | 25/05/2083 | Right of Way | Surface   |
| NY    | ROW      | Empire Energy E&P, LLC | RW310090133  | N/A | 1.0000 | N/A     | 5/04/2081  | Right of Way | Surface   |
| NY    | ROW      | Empire Energy E&P, LLC | RW310090134  | N/A | 1.0000 | N/A     | 1/04/2081  | Right of Way | Surface   |
| NY    | ROW      | Empire Energy E&P, LLC | RW310090135  | N/A | 1.0000 | N/A     | 5/04/2081  | Right of Way | Surface   |
| NY    | ROW      | Empire Energy E&P, LLC | RW310090136  | N/A | 1.0000 | N/A     | 1/04/2081  | Right of Way | Surface   |
| NY    | ROW      | Empire Energy E&P, LLC | RW310090137  | N/A | 1.0000 | N/A     | 8/04/2081  | Right of Way | Surface   |
| NY    | ROW      | Empire Energy E&P, LLC | RW310090138  | N/A | 1.0000 | N/A     | 1/04/2081  | Right of Way | Surface   |
| NY    | ROW      | Empire Energy E&P, LLC | RW310090139  | N/A | 1.0000 | N/A     | 26/06/2081 | Right of Way | Surface   |
| NY    | ROW      | Empire Energy E&P, LLC | RW310090140  | N/A | 1.0000 | N/A     | 15/04/2081 | Right of Way | Surface   |



|    |     |                        |             |     |        |     |            |              |         |
|----|-----|------------------------|-------------|-----|--------|-----|------------|--------------|---------|
| NY | ROW | Empire Energy E&P, LLC | RW310090273 | N/A | 1.0000 | N/A | 9/02/2083  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090274 | N/A | 1.0000 | N/A | 1/03/2082  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090275 | N/A | 1.0000 | N/A | 15/02/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090276 | N/A | 1.0000 | N/A | 6/10/2082  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090277 | N/A | 1.0000 | N/A | 29/08/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090278 | N/A | 1.0000 | N/A | 11/04/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090279 | N/A | 1.0000 | N/A | 20/01/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090280 | N/A | 1.0000 | N/A | 27/02/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090281 | N/A | 1.0000 | N/A | 27/02/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090282 | N/A | 1.0000 | N/A | 8/12/2081  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090283 | N/A | 1.0000 | N/A | 8/12/2081  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090284 | N/A | 1.0000 | N/A | 26/01/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090285 | N/A | 1.0000 | N/A | 26/01/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090286 | N/A | 1.0000 | N/A | 26/01/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090287 | N/A | 1.0000 | N/A | 10/01/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090288 | N/A | 1.0000 | N/A | 13/10/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090289 | N/A | 1.0000 | N/A | 2/11/2081  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090290 | N/A | 1.0000 | N/A | 26/01/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090291 | N/A | 1.0000 | N/A | 10/07/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090292 | N/A | 1.0000 | N/A | 5/01/2083  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090293 | N/A | 1.0000 | N/A | 25/10/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090294 | N/A | 1.0000 | N/A | 6/10/2081  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090295 | N/A | 1.0000 | N/A | 4/03/2082  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090296 | N/A | 1.0000 | N/A | 26/01/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090297 | N/A | 1.0000 | N/A | 8/03/2082  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090298 | N/A | 1.0000 | N/A | 27/12/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090299 | N/A | 1.0000 | N/A | 6/10/2081  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090300 | N/A | 1.0000 | N/A | 6/10/2081  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090301 | N/A | 1.0000 | N/A | 6/10/2081  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090302 | N/A | 1.0000 | N/A | 22/05/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090303 | N/A | 1.0000 | N/A | 23/05/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090304 | N/A | 1.0000 | N/A | 28/05/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090305 | N/A | 1.0000 | N/A | 26/10/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090306 | N/A | 1.0000 | N/A | 5/01/2083  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090307 | N/A | 1.0000 | N/A | 26/10/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090308 | N/A | 1.0000 | N/A | 13/07/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090309 | N/A | 1.0000 | N/A | 24/01/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090310 | N/A | 1.0000 | N/A | 29/06/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090311 | N/A | 1.0000 | N/A | 29/04/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090312 | N/A | 1.0000 | N/A | 7/09/2083  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090313 | N/A | 1.0000 | N/A | 14/06/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090314 | N/A | 1.0000 | N/A | 30/07/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090315 | N/A | 1.0000 | N/A | 4/04/2090  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090316 | N/A | 1.0000 | N/A | 9/04/2090  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090317 | N/A | 1.0000 | N/A | 3/04/2090  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090318 | N/A | 1.0000 | N/A | 10/04/2090 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090319 | N/A | 1.0000 | N/A | 27/03/2090 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090320 | N/A | 1.0000 | N/A | 28/03/2090 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090321 | N/A | 1.0000 | N/A | 29/03/2090 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090322 | N/A | 1.0000 | N/A | 31/01/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090323 | N/A | 1.0000 | N/A | 19/01/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090324 | N/A | 1.0000 | N/A | 3/02/2082  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090325 | N/A | 1.0000 | N/A | 3/03/2082  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090326 | N/A | 1.0000 | N/A | 13/02/2085 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090327 | N/A | 1.0000 | N/A | 18/02/2092 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090328 | N/A | 1.0000 | N/A | 21/07/2092 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090329 | N/A | 1.0000 | N/A | 25/01/2093 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090330 | N/A | 1.0000 | N/A | 10/02/2093 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090331 | N/A | 1.0000 | N/A | 7/05/2092  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090332 | N/A | 1.0000 | N/A | 23/03/2092 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090333 | N/A | 1.0000 | N/A | 27/02/2090 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090334 | N/A | 1.0000 | N/A | 10/02/2093 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090335 | N/A | 1.0000 | N/A | 7/05/2092  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090336 | N/A | 1.0000 | N/A | 11/03/2090 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090337 | N/A | 1.0000 | N/A | 11/03/2090 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090338 | N/A | 1.0000 | N/A | 10/04/2091 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090339 | N/A | 1.0000 | N/A | 23/03/2092 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090340 | N/A | 1.0000 | N/A | 7/02/2093  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090341 | N/A | 1.0000 | N/A | 11/03/2090 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090342 | N/A | 1.0000 | N/A | 11/03/2090 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090343 | N/A | 1.0000 | N/A | 22/02/2092 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090344 | N/A | 1.0000 | N/A | 11/03/2090 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090345 | N/A | 1.0000 | N/A | 3/12/2090  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090346 | N/A | 1.0000 | N/A | 20/03/2090 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090347 | N/A | 1.0000 | N/A | 7/05/2092  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090348 | N/A | 1.0000 | N/A | 5/04/2090  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090349 | N/A | 1.0000 | N/A | 25/01/2093 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090350 | N/A | 1.0000 | N/A | 25/01/2093 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090351 | N/A | 1.0000 | N/A | 4/06/2091  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090352 | N/A | 1.0000 | N/A | 3/06/2093  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090353 | N/A | 1.0000 | N/A | 4/06/2091  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090354 | N/A | 1.0000 | N/A | 4/06/2091  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090355 | N/A | 1.0000 | N/A | 12/01/2093 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310090356 | N/A | 1.0000 | N/A | 5/04/2090  | Right of Way | Surface |



|    |     |                        |             |     |        |     |            |              |         |
|----|-----|------------------------|-------------|-----|--------|-----|------------|--------------|---------|
| NY | ROW | Empire Energy E&P, LLC | RW310130136 | N/A | 1.0000 | N/A | 30/01/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130137 | N/A | 1.0000 | N/A | 31/01/2085 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130138 | N/A | 1.0000 | N/A | 16/09/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130139 | N/A | 1.0000 | N/A | 1/08/2087  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130140 | N/A | 1.0000 | N/A | 23/09/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130141 | N/A | 1.0000 | N/A | 30/12/2086 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130142 | N/A | 1.0000 | N/A | 4/09/2080  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130143 | N/A | 1.0000 | N/A | 9/12/2085  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130144 | N/A | 1.0000 | N/A | 11/09/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130145 | N/A | 1.0000 | N/A | 19/04/2087 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130146 | N/A | 1.0000 | N/A | 23/06/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130147 | N/A | 1.0000 | N/A | 24/10/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130148 | N/A | 1.0000 | N/A | 13/08/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130149 | N/A | 1.0000 | N/A | 18/10/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130150 | N/A | 1.0000 | N/A | 22/09/2086 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130151 | N/A | 1.0000 | N/A | 5/10/2081  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130152 | N/A | 1.0000 | N/A | 6/10/2081  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130153 | N/A | 1.0000 | N/A | 5/10/2081  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130154 | N/A | 1.0000 | N/A | 28/03/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130155 | N/A | 1.0000 | N/A | 28/03/2087 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130156 | N/A | 1.0000 | N/A | 8/10/2081  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130157 | N/A | 1.0000 | N/A | 13/09/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130158 | N/A | 1.0000 | N/A | 17/03/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130159 | N/A | 1.0000 | N/A | 4/10/2081  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130160 | N/A | 1.0000 | N/A | 6/09/2084  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130161 | N/A | 1.0000 | N/A | 3/08/2087  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130162 | N/A | 1.0000 | N/A | 5/10/2081  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130163 | N/A | 1.0000 | N/A | 11/10/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130164 | N/A | 1.0000 | N/A | 11/03/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130165 | N/A | 1.0000 | N/A | 27/03/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130166 | N/A | 1.0000 | N/A | 15/04/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130167 | N/A | 1.0000 | N/A | 23/06/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130168 | N/A | 1.0000 | N/A | 4/04/2087  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130169 | N/A | 1.0000 | N/A | 2/02/2087  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130170 | N/A | 1.0000 | N/A | 12/08/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130171 | N/A | 1.0000 | N/A | 3/10/2082  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130172 | N/A | 1.0000 | N/A | 12/08/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130173 | N/A | 1.0000 | N/A | 24/08/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130174 | N/A | 1.0000 | N/A | 16/02/2087 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130175 | N/A | 1.0000 | N/A | 27/08/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130176 | N/A | 1.0000 | N/A | 22/07/2085 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130177 | N/A | 1.0000 | N/A | 13/07/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130178 | N/A | 1.0000 | N/A | 12/07/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130179 | N/A | 1.0000 | N/A | 21/10/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130180 | N/A | 1.0000 | N/A | 28/06/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130181 | N/A | 1.0000 | N/A | 23/11/2086 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130182 | N/A | 1.0000 | N/A | 24/10/2087 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130183 | N/A | 1.0000 | N/A | 18/08/2087 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130184 | N/A | 1.0000 | N/A | 23/06/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130185 | N/A | 1.0000 | N/A | 3/07/2084  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130186 | N/A | 1.0000 | N/A | 27/09/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130187 | N/A | 1.0000 | N/A | 21/06/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130188 | N/A | 1.0000 | N/A | 26/06/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130189 | N/A | 1.0000 | N/A | 3/06/2080  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130190 | N/A | 1.0000 | N/A | 4/05/2080  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130191 | N/A | 1.0000 | N/A | 10/04/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130192 | N/A | 1.0000 | N/A | 16/06/2080 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130193 | N/A | 1.0000 | N/A | 18/09/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130194 | N/A | 1.0000 | N/A | 18/09/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130195 | N/A | 1.0000 | N/A | 5/06/2080  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130196 | N/A | 1.0000 | N/A | 3/06/2084  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130197 | N/A | 1.0000 | N/A | 16/06/2080 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130198 | N/A | 1.0000 | N/A | 17/06/2080 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130199 | N/A | 1.0000 | N/A | 23/05/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130200 | N/A | 1.0000 | N/A | 8/02/2083  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130201 | N/A | 1.0000 | N/A | 26/03/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130202 | N/A | 1.0000 | N/A | 18/08/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130203 | N/A | 1.0000 | N/A | 8/10/2082  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130204 | N/A | 1.0000 | N/A | 26/04/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130205 | N/A | 1.0000 | N/A | 4/02/2083  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130206 | N/A | 1.0000 | N/A | 13/12/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130207 | N/A | 1.0000 | N/A | 3/12/2082  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130208 | N/A | 1.0000 | N/A | 3/12/2082  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130209 | N/A | 1.0000 | N/A | 2/12/2082  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130210 | N/A | 1.0000 | N/A | 2/12/2082  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130211 | N/A | 1.0000 | N/A | 28/01/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130212 | N/A | 1.0000 | N/A | 3/01/2082  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130213 | N/A | 1.0000 | N/A | 30/03/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130214 | N/A | 1.0000 | N/A | 9/05/2083  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130215 | N/A | 1.0000 | N/A | 29/12/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130216 | N/A | 1.0000 | N/A | 29/12/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130217 | N/A | 1.0000 | N/A | 19/10/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130218 | N/A | 1.0000 | N/A | 16/01/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130219 | N/A | 1.0000 | N/A | 16/02/2083 | Right of Way | Surface |

|    |     |                        |             |     |        |     |            |              |         |
|----|-----|------------------------|-------------|-----|--------|-----|------------|--------------|---------|
| NY | ROW | Empire Energy E&P, LLC | RW310130220 | N/A | 1.0000 | N/A | 12/09/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130221 | N/A | 1.0000 | N/A | 12/09/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130222 | N/A | 1.0000 | N/A | 5/04/2081  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130223 | N/A | 1.0000 | N/A | 10/11/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130224 | N/A | 1.0000 | N/A | 4/02/2083  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130225 | N/A | 1.0000 | N/A | 3/03/2083  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130226 | N/A | 1.0000 | N/A | 30/12/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130227 | N/A | 1.0000 | N/A | 27/12/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130228 | N/A | 1.0000 | N/A | 31/03/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130229 | N/A | 1.0000 | N/A | 28/01/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130230 | N/A | 1.0000 | N/A | 3/11/2083  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130231 | N/A | 1.0000 | N/A | 1/03/2083  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130232 | N/A | 1.0000 | N/A | 10/10/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130233 | N/A | 1.0000 | N/A | 27/12/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130234 | N/A | 1.0000 | N/A | 14/01/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130235 | N/A | 1.0000 | N/A | 5/10/2082  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130236 | N/A | 1.0000 | N/A | 3/03/2083  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130237 | N/A | 1.0000 | N/A | 14/07/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130238 | N/A | 1.0000 | N/A | 23/05/2088 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130239 | N/A | 1.0000 | N/A | 12/01/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130240 | N/A | 1.0000 | N/A | 3/08/2081  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130241 | N/A | 1.0000 | N/A | 19/07/2088 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130242 | N/A | 1.0000 | N/A | 1/10/2082  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130243 | N/A | 1.0000 | N/A | 28/12/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130244 | N/A | 1.0000 | N/A | 18/03/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130245 | N/A | 1.0000 | N/A | 22/12/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130246 | N/A | 1.0000 | N/A | 10/10/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130247 | N/A | 1.0000 | N/A | 20/01/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130248 | N/A | 1.0000 | N/A | 22/12/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130249 | N/A | 1.0000 | N/A | 22/12/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130250 | N/A | 1.0000 | N/A | 24/05/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130251 | N/A | 1.0000 | N/A | 9/04/2082  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130252 | N/A | 1.0000 | N/A | 7/02/2082  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130253 | N/A | 1.0000 | N/A | 7/02/2082  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130254 | N/A | 1.0000 | N/A | 9/05/2082  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130255 | N/A | 1.0000 | N/A | 7/01/2083  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130256 | N/A | 1.0000 | N/A | 11/01/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130257 | N/A | 1.0000 | N/A | 17/12/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130258 | N/A | 1.0000 | N/A | 1/05/2083  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130259 | N/A | 1.0000 | N/A | 1/05/2083  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130260 | N/A | 1.0000 | N/A | 12/02/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130261 | N/A | 1.0000 | N/A | 20/03/2080 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130262 | N/A | 1.0000 | N/A | 27/07/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130263 | N/A | 1.0000 | N/A | 21/07/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130264 | N/A | 1.0000 | N/A | 12/04/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130265 | N/A | 1.0000 | N/A | 29/07/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130266 | N/A | 1.0000 | N/A | 20/10/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130267 | N/A | 1.0000 | N/A | 26/07/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130268 | N/A | 1.0000 | N/A | 20/08/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130269 | N/A | 1.0000 | N/A | 30/06/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130270 | N/A | 1.0000 | N/A | 18/11/2080 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130271 | N/A | 1.0000 | N/A | 27/07/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130272 | N/A | 1.0000 | N/A | 27/07/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130273 | N/A | 1.0000 | N/A | 18/08/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130274 | N/A | 1.0000 | N/A | 29/06/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130275 | N/A | 1.0000 | N/A | 21/06/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130276 | N/A | 1.0000 | N/A | 25/03/2080 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130277 | N/A | 1.0000 | N/A | 6/02/2081  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130278 | N/A | 1.0000 | N/A | 30/09/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130279 | N/A | 1.0000 | N/A | 13/08/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130280 | N/A | 1.0000 | N/A | 27/09/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130281 | N/A | 1.0000 | N/A | 18/04/2087 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130282 | N/A | 1.0000 | N/A | 14/10/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130283 | N/A | 1.0000 | N/A | 12/09/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130284 | N/A | 1.0000 | N/A | 12/09/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130285 | N/A | 1.0000 | N/A | 12/09/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130286 | N/A | 1.0000 | N/A | 12/09/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130287 | N/A | 1.0000 | N/A | 4/04/2082  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130288 | N/A | 1.0000 | N/A | 26/01/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130289 | N/A | 1.0000 | N/A | 21/11/2080 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130290 | N/A | 1.0000 | N/A | 23/07/2089 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130291 | N/A | 1.0000 | N/A | 14/10/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130292 | N/A | 1.0000 | N/A | 14/10/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130293 | N/A | 1.0000 | N/A | 24/04/2085 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130294 | N/A | 1.0000 | N/A | 5/06/2080  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130295 | N/A | 1.0000 | N/A | 19/06/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130296 | N/A | 1.0000 | N/A | 13/03/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130297 | N/A | 1.0000 | N/A | 29/06/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130298 | N/A | 1.0000 | N/A | 30/07/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130299 | N/A | 1.0000 | N/A | 11/03/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130300 | N/A | 1.0000 | N/A | 27/06/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130301 | N/A | 1.0000 | N/A | 29/06/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130303 | N/A | 1.0000 | N/A | 6/04/2082  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130304 | N/A | 1.0000 | N/A | 20/05/2081 | Right of Way | Surface |

|    |     |                        |             |     |        |     |            |              |         |
|----|-----|------------------------|-------------|-----|--------|-----|------------|--------------|---------|
| NY | ROW | Empire Energy E&P, LLC | RW310130305 | N/A | 1.0000 | N/A | 8/02/2084  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130306 | N/A | 1.0000 | N/A | 8/02/2084  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130307 | N/A | 1.0000 | N/A | 8/11/2083  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130308 | N/A | 1.0000 | N/A | 29/01/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130309 | N/A | 1.0000 | N/A | 29/01/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130310 | N/A | 1.0000 | N/A | 14/03/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130311 | N/A | 1.0000 | N/A | 8/02/2084  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130312 | N/A | 1.0000 | N/A | 12/02/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130313 | N/A | 1.0000 | N/A | 6/03/2084  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130314 | N/A | 1.0000 | N/A | 16/11/2086 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130315 | N/A | 1.0000 | N/A | 25/11/2086 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130316 | N/A | 1.0000 | N/A | 15/10/2086 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130317 | N/A | 1.0000 | N/A | 12/02/2087 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130318 | N/A | 1.0000 | N/A | 27/10/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130319 | N/A | 1.0000 | N/A | 1/01/2082  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130320 | N/A | 1.0000 | N/A | 1/11/2081  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130321 | N/A | 1.0000 | N/A | 18/01/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130322 | N/A | 1.0000 | N/A | 19/10/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130323 | N/A | 1.0000 | N/A | 21/10/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130324 | N/A | 1.0000 | N/A | 9/12/2081  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130325 | N/A | 1.0000 | N/A | 5/11/2081  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130326 | N/A | 1.0000 | N/A | 9/08/2081  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130327 | N/A | 1.0000 | N/A | 6/07/2086  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130328 | N/A | 1.0000 | N/A | 30/10/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130329 | N/A | 1.0000 | N/A | 17/01/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130330 | N/A | 1.0000 | N/A | 8/11/2088  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130331 | N/A | 1.0000 | N/A | 10/11/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130332 | N/A | 1.0000 | N/A | 5/11/2081  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130333 | N/A | 1.0000 | N/A | 4/11/2081  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130334 | N/A | 1.0000 | N/A | 19/07/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130335 | N/A | 1.0000 | N/A | 15/08/2085 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130336 | N/A | 1.0000 | N/A | 24/06/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130337 | N/A | 1.0000 | N/A | 18/10/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130338 | N/A | 1.0000 | N/A | 30/08/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130339 | N/A | 1.0000 | N/A | 26/08/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130340 | N/A | 1.0000 | N/A | 12/05/2086 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130341 | N/A | 1.0000 | N/A | 11/02/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130342 | N/A | 1.0000 | N/A | 4/11/2081  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130343 | N/A | 1.0000 | N/A | 25/02/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130344 | N/A | 1.0000 | N/A | 20/09/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130345 | N/A | 1.0000 | N/A | 3/08/2081  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130346 | N/A | 1.0000 | N/A | 6/09/2083  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130347 | N/A | 1.0000 | N/A | 15/08/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130348 | N/A | 1.0000 | N/A | 18/10/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130349 | N/A | 1.0000 | N/A | 22/06/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130350 | N/A | 1.0000 | N/A | 16/05/2086 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130351 | N/A | 1.0000 | N/A | 10/11/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130352 | N/A | 1.0000 | N/A | 16/08/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130353 | N/A | 1.0000 | N/A | 11/11/2087 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130354 | N/A | 1.0000 | N/A | 17/03/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130355 | N/A | 1.0000 | N/A | 3/12/2081  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130356 | N/A | 1.0000 | N/A | 17/03/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130357 | N/A | 1.0000 | N/A | 18/06/2079 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130358 | N/A | 1.0000 | N/A | 24/09/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130359 | N/A | 1.0000 | N/A | 1/11/2083  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130360 | N/A | 1.0000 | N/A | 26/10/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130361 | N/A | 1.0000 | N/A | 6/12/2078  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130362 | N/A | 1.0000 | N/A | 14/08/2079 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130363 | N/A | 1.0000 | N/A | 8/01/2079  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130364 | N/A | 1.0000 | N/A | 27/01/2080 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130365 | N/A | 1.0000 | N/A | 16/10/2079 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130366 | N/A | 1.0000 | N/A | 25/09/2079 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130367 | N/A | 1.0000 | N/A | 10/05/2078 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130368 | N/A | 1.0000 | N/A | 6/12/2078  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130369 | N/A | 1.0000 | N/A | 17/01/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130370 | N/A | 1.0000 | N/A | 17/05/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130371 | N/A | 1.0000 | N/A | 1/06/2081  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130400 | N/A | 1.0000 | N/A | 3/06/2081  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130401 | N/A | 1.0000 | N/A | 15/12/2080 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130402 | N/A | 1.0000 | N/A | 15/12/2080 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130403 | N/A | 1.0000 | N/A | 27/05/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130404 | N/A | 1.0000 | N/A | 2/12/2081  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130405 | N/A | 1.0000 | N/A | 9/11/2082  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130406 | N/A | 1.0000 | N/A | 3/10/2082  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130407 | N/A | 1.0000 | N/A | 3/10/2082  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130408 | N/A | 1.0000 | N/A | 10/11/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130409 | N/A | 1.0000 | N/A | 9/11/2082  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130410 | N/A | 1.0000 | N/A | 9/11/2082  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130411 | N/A | 1.0000 | N/A | 8/06/2083  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130412 | N/A | 1.0000 | N/A | 7/09/2082  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130413 | N/A | 1.0000 | N/A | 4/08/2083  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130414 | N/A | 1.0000 | N/A | 27/09/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130415 | N/A | 1.0000 | N/A | 27/09/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130416 | N/A | 1.0000 | N/A | 2/10/2084  | Right of Way | Surface |

[illegible]



|    |     |                        |             |     |        |     |            |              |         |
|----|-----|------------------------|-------------|-----|--------|-----|------------|--------------|---------|
| NY | ROW | Empire Energy E&P, LLC | RW310130593 | N/A | 1.0000 | N/A | 16/05/2085 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130594 | N/A | 1.0000 | N/A | 16/05/2085 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130595 | N/A | 1.0000 | N/A | 13/12/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130596 | N/A | 1.0000 | N/A | 4/06/2084  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130597 | N/A | 1.0000 | N/A | 28/09/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130598 | N/A | 1.0000 | N/A | 14/04/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130600 | N/A | 1.0000 | N/A | 31/10/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130601 | N/A | 1.0000 | N/A | 9/11/2082  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130602 | N/A | 1.0000 | N/A | 9/11/2082  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130603 | N/A | 1.0000 | N/A | 4/11/2081  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130604 | N/A | 1.0000 | N/A | 17/06/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130605 | N/A | 1.0000 | N/A | 23/04/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130606 | N/A | 1.0000 | N/A | 17/12/2080 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130607 | N/A | 1.0000 | N/A | 8/09/2076  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130608 | N/A | 1.0000 | N/A | 7/09/2076  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130609 | N/A | 1.0000 | N/A | 9/09/2076  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130610 | N/A | 1.0000 | N/A | 10/10/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130611 | N/A | 1.0000 | N/A | 11/06/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130612 | N/A | 1.0000 | N/A | 27/10/2079 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130613 | N/A | 1.0000 | N/A | 5/11/2079  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130614 | N/A | 1.0000 | N/A | 1/12/2075  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130615 | N/A | 1.0000 | N/A | 5/05/2081  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130616 | N/A | 1.0000 | N/A | 24/06/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130617 | N/A | 1.0000 | N/A | 4/11/2081  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130618 | N/A | 1.0000 | N/A | 18/10/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130619 | N/A | 1.0000 | N/A | 28/12/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130620 | N/A | 1.0000 | N/A | 9/12/2084  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130621 | N/A | 1.0000 | N/A | 7/12/2078  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130622 | N/A | 1.0000 | N/A | 18/10/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130623 | N/A | 1.0000 | N/A | 28/09/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130624 | N/A | 1.0000 | N/A | 28/09/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130625 | N/A | 1.0000 | N/A | 30/09/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130626 | N/A | 1.0000 | N/A | 11/09/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130628 | N/A | 1.0000 | N/A | 27/06/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130629 | N/A | 1.0000 | N/A | 5/12/2084  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130630 | N/A | 1.0000 | N/A | 10/07/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130631 | N/A | 1.0000 | N/A | 2/04/2081  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130632 | N/A | 1.0000 | N/A | 26/12/2079 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130633 | N/A | 1.0000 | N/A | 1/03/2083  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130634 | N/A | 1.0000 | N/A | 16/10/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130635 | N/A | 1.0000 | N/A | 16/07/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130636 | N/A | 1.0000 | N/A | 20/11/2079 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130637 | N/A | 1.0000 | N/A | 30/11/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130638 | N/A | 1.0000 | N/A | 29/09/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130639 | N/A | 1.0000 | N/A | 13/10/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130640 | N/A | 1.0000 | N/A | 2/12/2081  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130641 | N/A | 1.0000 | N/A | 16/05/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130642 | N/A | 1.0000 | N/A | 14/05/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130643 | N/A | 1.0000 | N/A | 20/02/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130644 | N/A | 1.0000 | N/A | 11/11/2079 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130645 | N/A | 1.0000 | N/A | 7/04/2081  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130646 | N/A | 1.0000 | N/A | 28/10/2079 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130647 | N/A | 1.0000 | N/A | 2/12/2079  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130648 | N/A | 1.0000 | N/A | 10/02/2076 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130650 | N/A | 1.0000 | N/A | 7/07/2081  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130651 | N/A | 1.0000 | N/A | 5/02/2085  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130652 | N/A | 1.0000 | N/A | 23/12/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130653 | N/A | 1.0000 | N/A | 9/12/2079  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130654 | N/A | 1.0000 | N/A | 26/10/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130655 | N/A | 1.0000 | N/A | 26/10/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130656 | N/A | 1.0000 | N/A | 25/01/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130657 | N/A | 1.0000 | N/A | 3/04/2097  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130658 | N/A | 1.0000 | N/A | 20/09/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130659 | N/A | 1.0000 | N/A | 19/10/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130660 | N/A | 1.0000 | N/A | 29/10/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130661 | N/A | 1.0000 | N/A | 7/05/2085  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130662 | N/A | 1.0000 | N/A | 22/12/2080 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130664 | N/A | 1.0000 | N/A | 17/12/2079 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130665 | N/A | 1.0000 | N/A | 14/11/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130666 | N/A | 1.0000 | N/A | 16/07/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130667 | N/A | 1.0000 | N/A | 6/02/2083  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130668 | N/A | 1.0000 | N/A | 13/10/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130669 | N/A | 1.0000 | N/A | 19/05/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130670 | N/A | 1.0000 | N/A | 6/07/2081  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130671 | N/A | 1.0000 | N/A | 2/11/2083  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130672 | N/A | 1.0000 | N/A | 11/12/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130673 | N/A | 1.0000 | N/A | 6/03/2083  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130674 | N/A | 1.0000 | N/A | 16/07/2093 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130675 | N/A | 1.0000 | N/A | 27/02/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130676 | N/A | 1.0000 | N/A | 15/10/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130677 | N/A | 1.0000 | N/A | 15/08/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130678 | N/A | 1.0000 | N/A | 31/07/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130679 | N/A | 1.0000 | N/A | 27/07/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130680 | N/A | 1.0000 | N/A | 29/12/2082 | Right of Way | Surface |

|    |     |                        |             |     |        |     |            |              |         |
|----|-----|------------------------|-------------|-----|--------|-----|------------|--------------|---------|
| NY | ROW | Empire Energy E&P, LLC | RW310130681 | N/A | 1.0000 | N/A | 25/07/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130682 | N/A | 1.0000 | N/A | 25/07/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130683 | N/A | 1.0000 | N/A | 18/10/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130684 | N/A | 1.0000 | N/A | 13/10/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130685 | N/A | 1.0000 | N/A | 3/02/2083  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130686 | N/A | 1.0000 | N/A | 25/10/2079 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130687 | N/A | 1.0000 | N/A | 4/10/2083  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130688 | N/A | 1.0000 | N/A | 18/07/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130689 | N/A | 1.0000 | N/A | 24/03/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130690 | N/A | 1.0000 | N/A | 6/05/2084  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130691 | N/A | 1.0000 | N/A | 27/03/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130692 | N/A | 1.0000 | N/A | 28/06/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130693 | N/A | 1.0000 | N/A | 21/02/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130694 | N/A | 1.0000 | N/A | 15/08/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130695 | N/A | 1.0000 | N/A | 27/08/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130696 | N/A | 1.0000 | N/A | 19/07/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130697 | N/A | 1.0000 | N/A | 19/07/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130698 | N/A | 1.0000 | N/A | 16/11/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130699 | N/A | 1.0000 | N/A | 2/12/2079  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130700 | N/A | 1.0000 | N/A | 26/03/2085 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130701 | N/A | 1.0000 | N/A | 27/12/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130702 | N/A | 1.0000 | N/A | 6/09/2083  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130703 | N/A | 1.0000 | N/A | 14/10/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130704 | N/A | 1.0000 | N/A | 11/11/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130705 | N/A | 1.0000 | N/A | 29/10/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130706 | N/A | 1.0000 | N/A | 14/11/2079 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130707 | N/A | 1.0000 | N/A | 13/11/2080 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130708 | N/A | 1.0000 | N/A | 4/04/2082  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130709 | N/A | 1.0000 | N/A | 17/04/2095 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130710 | N/A | 1.0000 | N/A | 24/04/2085 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130711 | N/A | 1.0000 | N/A | 22/04/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130712 | N/A | 1.0000 | N/A | 2/11/2081  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130713 | N/A | 1.0000 | N/A | 10/02/2085 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130714 | N/A | 1.0000 | N/A | 8/10/2082  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130715 | N/A | 1.0000 | N/A | 18/12/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130717 | N/A | 1.0000 | N/A | 30/03/2097 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130718 | N/A | 1.0000 | N/A | 7/09/2083  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130719 | N/A | 1.0000 | N/A | 12/07/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130720 | N/A | 1.0000 | N/A | 19/01/2098 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130721 | N/A | 1.0000 | N/A | 7/09/2083  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130722 | N/A | 1.0000 | N/A | 7/10/2082  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130723 | N/A | 1.0000 | N/A | 12/01/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130727 | N/A | 1.0000 | N/A | 24/10/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130728 | N/A | 1.0000 | N/A | 7/11/2082  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130729 | N/A | 1.0000 | N/A | 6/09/2083  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130730 | N/A | 1.0000 | N/A | 11/05/2086 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130732 | N/A | 1.0000 | N/A | 16/11/2093 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130733 | N/A | 1.0000 | N/A | 27/05/2085 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130734 | N/A | 1.0000 | N/A | 3/10/2082  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130735 | N/A | 1.0000 | N/A | 3/10/2082  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130736 | N/A | 1.0000 | N/A | 22/04/2080 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130737 | N/A | 1.0000 | N/A | 9/02/2081  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130738 | N/A | 1.0000 | N/A | 22/04/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130739 | N/A | 1.0000 | N/A | 18/10/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130740 | N/A | 1.0000 | N/A | 25/10/2094 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130741 | N/A | 1.0000 | N/A | 29/05/2085 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130742 | N/A | 1.0000 | N/A | 29/05/2085 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130743 | N/A | 1.0000 | N/A | 29/05/2085 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130744 | N/A | 1.0000 | N/A | 23/04/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130745 | N/A | 1.0000 | N/A | 19/07/2093 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130746 | N/A | 1.0000 | N/A | 6/06/2083  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130748 | N/A | 1.0000 | N/A | 24/12/2079 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130749 | N/A | 1.0000 | N/A | 5/02/2080  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130750 | N/A | 1.0000 | N/A | 8/02/2083  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130751 | N/A | 1.0000 | N/A | 19/11/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130752 | N/A | 1.0000 | N/A | 30/11/2075 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130753 | N/A | 1.0000 | N/A | 20/07/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130754 | N/A | 1.0000 | N/A | 27/10/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130755 | N/A | 1.0000 | N/A | 27/10/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130756 | N/A | 1.0000 | N/A | 21/11/2079 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130757 | N/A | 1.0000 | N/A | 5/10/2082  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130758 | N/A | 1.0000 | N/A | 10/02/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130759 | N/A | 1.0000 | N/A | 14/11/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130760 | N/A | 1.0000 | N/A | 10/05/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130761 | N/A | 1.0000 | N/A | 10/05/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130762 | N/A | 1.0000 | N/A | 3/05/2090  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130763 | N/A | 1.0000 | N/A | 1/12/2075  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130764 | N/A | 1.0000 | N/A | 24/03/2079 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130765 | N/A | 1.0000 | N/A | 22/02/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130766 | N/A | 1.0000 | N/A | 13/10/2079 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130767 | N/A | 1.0000 | N/A | 12/12/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130768 | N/A | 1.0000 | N/A | 11/11/2082 | Right of Way | Surface |

|    |     |                        |             |     |        |     |            |              |         |
|----|-----|------------------------|-------------|-----|--------|-----|------------|--------------|---------|
| NY | ROW | Empire Energy E&P, LLC | RW310130769 | N/A | 1.0000 | N/A | 17/01/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130771 | N/A | 1.0000 | N/A | 23/02/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130772 | N/A | 1.0000 | N/A | 15/02/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130773 | N/A | 1.0000 | N/A | 19/05/2085 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130774 | N/A | 1.0000 | N/A | 9/07/2073  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130775 | N/A | 1.0000 | N/A | 6/03/2083  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130777 | N/A | 1.0000 | N/A | 25/10/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130778 | N/A | 1.0000 | N/A | 25/04/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130779 | N/A | 1.0000 | N/A | 11/09/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130780 | N/A | 1.0000 | N/A | 29/10/2079 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130781 | N/A | 1.0000 | N/A | 23/08/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130782 | N/A | 1.0000 | N/A | 4/02/2083  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130783 | N/A | 1.0000 | N/A | 10/02/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130784 | N/A | 1.0000 | N/A | 7/04/2083  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130785 | N/A | 1.0000 | N/A | 6/03/2083  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130787 | N/A | 1.0000 | N/A | 2/02/2085  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130789 | N/A | 1.0000 | N/A | 21/10/2079 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130790 | N/A | 1.0000 | N/A | 1/05/2073  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130791 | N/A | 1.0000 | N/A | 15/12/2079 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130792 | N/A | 1.0000 | N/A | 18/10/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130793 | N/A | 1.0000 | N/A | 6/10/2082  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130794 | N/A | 1.0000 | N/A | 18/11/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130795 | N/A | 1.0000 | N/A | 19/12/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130796 | N/A | 1.0000 | N/A | 22/03/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130797 | N/A | 1.0000 | N/A | 3/11/2079  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130798 | N/A | 1.0000 | N/A | 18/11/2079 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130800 | N/A | 1.0000 | N/A | 6/03/2083  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130801 | N/A | 1.0000 | N/A | 7/05/2081  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130802 | N/A | 1.0000 | N/A | 10/05/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130803 | N/A | 1.0000 | N/A | 10/05/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130804 | N/A | 1.0000 | N/A | 20/06/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130805 | N/A | 1.0000 | N/A | 23/12/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130806 | N/A | 1.0000 | N/A | 14/09/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130807 | N/A | 1.0000 | N/A | 6/05/2085  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130808 | N/A | 1.0000 | N/A | 24/09/2075 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130809 | N/A | 1.0000 | N/A | 9/12/2081  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130810 | N/A | 1.0000 | N/A | 11/04/2085 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130811 | N/A | 1.0000 | N/A | 15/05/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130812 | N/A | 1.0000 | N/A | 23/07/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130813 | N/A | 1.0000 | N/A | 15/12/2081 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130814 | N/A | 1.0000 | N/A | 24/03/2085 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130815 | N/A | 1.0000 | N/A | 17/12/2080 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130816 | N/A | 1.0000 | N/A | 16/04/2080 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130817 | N/A | 1.0000 | N/A | 23/10/2079 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130818 | N/A | 1.0000 | N/A | 7/09/2076  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130819 | N/A | 1.0000 | N/A | 9/09/2076  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130820 | N/A | 1.0000 | N/A | 4/02/2103  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130821 | N/A | 1.0000 | N/A | 24/11/2103 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130822 | N/A | 1.0000 | N/A | 20/12/2103 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130823 | N/A | 1.0000 | N/A | 28/08/2973 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130824 | N/A | 1.0000 | N/A | 17/09/2973 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130825 | N/A | 1.0000 | N/A | 27/08/2973 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130826 | N/A | 1.0000 | N/A | 26/08/2973 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130827 | N/A | 1.0000 | N/A | 27/08/2973 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130828 | N/A | 1.0000 | N/A | 26/08/2973 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130829 | N/A | 1.0000 | N/A | 26/08/2973 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130830 | N/A | 1.0000 | N/A | 27/08/2973 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130831 | N/A | 1.0000 | N/A | 28/08/2973 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130832 | N/A | 1.0000 | N/A | 22/08/2973 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130833 | N/A | 1.0000 | N/A | 24/08/2973 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130834 | N/A | 1.0000 | N/A | 22/08/2973 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130835 | N/A | 1.0000 | N/A | 26/08/2973 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130836 | N/A | 1.0000 | N/A | 5/09/2973  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130837 | N/A | 1.0000 | N/A | 31/08/2973 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130838 | N/A | 1.0000 | N/A | 30/08/2973 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130839 | N/A | 1.0000 | N/A | 31/08/2973 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130840 | N/A | 1.0000 | N/A | 30/08/2973 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130841 | N/A | 1.0000 | N/A | 7/09/2973  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130842 | N/A | 1.0000 | N/A | 7/08/2974  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130843 | N/A | 1.0000 | N/A | 29/04/2975 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130844 | N/A | 1.0000 | N/A | 12/08/2974 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130845 | N/A | 1.0000 | N/A | 7/08/2974  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130846 | N/A | 1.0000 | N/A | 11/08/2974 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130847 | N/A | 1.0000 | N/A | 11/08/2974 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130848 | N/A | 1.0000 | N/A | 5/08/2974  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130849 | N/A | 1.0000 | N/A | 7/08/2974  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130850 | N/A | 1.0000 | N/A | 5/08/2974  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130851 | N/A | 1.0000 | N/A | 4/08/2974  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130852 | N/A | 1.0000 | N/A | 4/08/2974  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130853 | N/A | 1.0000 | N/A | 4/08/2974  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130854 | N/A | 1.0000 | N/A | 7/02/2990  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130855 | N/A | 1.0000 | N/A | 1/11/2975  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130856 | N/A | 1.0000 | N/A | 17/11/2975 | Right of Way | Surface |

|    |     |                        |             |     |        |     |            |              |         |
|----|-----|------------------------|-------------|-----|--------|-----|------------|--------------|---------|
| NY | ROW | Empire Energy E&P, LLC | RW310130857 | N/A | 1.0000 | N/A | 1/11/2975  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130858 | N/A | 1.0000 | N/A | 12/11/2975 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130859 | N/A | 1.0000 | N/A | 4/08/2974  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130860 | N/A | 1.0000 | N/A | 5/08/2974  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130861 | N/A | 1.0000 | N/A | 12/04/2975 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130862 | N/A | 1.0000 | N/A | 30/08/2973 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130863 | N/A | 1.0000 | N/A | 31/08/2973 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130864 | N/A | 1.0000 | N/A | 31/08/2973 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130865 | N/A | 1.0000 | N/A | 4/08/2973  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130866 | N/A | 1.0000 | N/A | 7/08/2974  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130867 | N/A | 1.0000 | N/A | 20/08/2974 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130868 | N/A | 1.0000 | N/A | 21/10/2974 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130869 | N/A | 1.0000 | N/A | 20/08/2974 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130870 | N/A | 1.0000 | N/A | 22/01/2975 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130871 | N/A | 1.0000 | N/A | 10/09/2974 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130872 | N/A | 1.0000 | N/A | 20/08/2974 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130873 | N/A | 1.0000 | N/A | 2/12/2974  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130874 | N/A | 1.0000 | N/A | 8/12/2974  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130875 | N/A | 1.0000 | N/A | 21/08/2974 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130876 | N/A | 1.0000 | N/A | 8/09/2974  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130877 | N/A | 1.0000 | N/A | 3/09/2974  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130878 | N/A | 1.0000 | N/A | 3/04/2972  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130879 | N/A | 1.0000 | N/A | 30/10/2975 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130880 | N/A | 1.0000 | N/A | 1/11/2975  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130881 | N/A | 1.0000 | N/A | 2/03/2104  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130882 | N/A | 1.0000 | N/A | 14/11/2105 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130883 | N/A | 1.0000 | N/A | 31/10/2105 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130884 | N/A | 1.0000 | N/A | 1/09/2105  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130893 | N/A | 1.0000 | N/A | 22/10/2084 | Right Of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130894 | N/A | 1.0000 | N/A | 26/09/2084 | Right Of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130895 | N/A | 1.0000 | N/A | 25/07/2084 | Right Of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130896 | N/A | 1.0000 | N/A | 13/02/2079 | Right Of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130897 | N/A | 1.0000 | N/A | 28/03/2084 | Right Of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130898 | N/A | 1.0000 | N/A | 27/12/2077 | Right Of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130899 | N/A | 1.0000 | N/A | 5/11/2086  | Right Of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130900 | N/A | 1.0000 | N/A | 5/11/2086  | Right Of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130901 | N/A | 1.0000 | N/A | 24/08/2091 | Right Of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310130902 | N/A | 1.0000 | N/A | 5/10/2091  | Right Of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310150100 | N/A | 1.0000 | N/A | 10/12/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310150101 | N/A | 1.0000 | N/A | 18/12/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310150102 | N/A | 1.0000 | N/A | 30/10/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310150103 | N/A | 1.0000 | N/A | 29/10/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310150104 | N/A | 1.0000 | N/A | 10/12/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310150105 | N/A | 1.0000 | N/A | 29/10/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310150106 | N/A | 1.0000 | N/A | 29/10/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310150107 | N/A | 1.0000 | N/A | 30/11/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310150108 | N/A | 1.0000 | N/A | 12/06/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310150109 | N/A | 1.0000 | N/A | 24/05/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310150110 | N/A | 1.0000 | N/A | 27/06/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310150111 | N/A | 1.0000 | N/A | 9/12/2084  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310150112 | N/A | 1.0000 | N/A | 12/12/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310150113 | N/A | 1.0000 | N/A | 31/05/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310150114 | N/A | 1.0000 | N/A | 23/10/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310150115 | N/A | 1.0000 | N/A | 24/02/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310150116 | N/A | 1.0000 | N/A | 6/11/2084  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310150117 | N/A | 1.0000 | N/A | 16/07/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310150118 | N/A | 1.0000 | N/A | 16/12/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310150119 | N/A | 1.0000 | N/A | 25/06/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310150120 | N/A | 1.0000 | N/A | 22/05/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310150121 | N/A | 1.0000 | N/A | 5/06/2084  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310150122 | N/A | 1.0000 | N/A | 20/11/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310150123 | N/A | 1.0000 | N/A | 25/11/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310150124 | N/A | 1.0000 | N/A | 25/07/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310150125 | N/A | 1.0000 | N/A | 16/10/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310150126 | N/A | 1.0000 | N/A | 17/07/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310150127 | N/A | 1.0000 | N/A | 11/06/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310150128 | N/A | 1.0000 | N/A | 12/11/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310150129 | N/A | 1.0000 | N/A | 27/06/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310150130 | N/A | 1.0000 | N/A | 13/11/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310150131 | N/A | 1.0000 | N/A | 10/07/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310150132 | N/A | 1.0000 | N/A | 11/11/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310150133 | N/A | 1.0000 | N/A | 5/06/2084  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310150134 | N/A | 1.0000 | N/A | 18/06/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310150135 | N/A | 1.0000 | N/A | 3/06/2084  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310150136 | N/A | 1.0000 | N/A | 27/06/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310150137 | N/A | 1.0000 | N/A | 26/11/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310150138 | N/A | 1.0000 | N/A | 17/07/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310150139 | N/A | 1.0000 | N/A | 29/05/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310150140 | N/A | 1.0000 | N/A | 26/06/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW310150141 | N/A | 1.0000 | N/A | 3/08/2083  | Right of Way | Surface |

[illegible]



|    |     |                        |             |     |        |     |            |              |         |
|----|-----|------------------------|-------------|-----|--------|-----|------------|--------------|---------|
| NY | ROW | Empire Energy E&P, LLC | RW311010132 | N/A | 1.0000 | N/A | 18/07/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW311010133 | N/A | 1.0000 | N/A | 2/08/2083  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW311010134 | N/A | 1.0000 | N/A | 19/06/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW311010135 | N/A | 1.0000 | N/A | 19/06/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW311010136 | N/A | 1.0000 | N/A | 18/10/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW311010137 | N/A | 1.0000 | N/A | 19/07/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW311010138 | N/A | 1.0000 | N/A | 10/09/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW311010139 | N/A | 1.0000 | N/A | 7/06/2084  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW311010140 | N/A | 1.0000 | N/A | 11/07/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW311010141 | N/A | 1.0000 | N/A | 17/07/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW311010142 | N/A | 1.0000 | N/A | 18/07/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW311010143 | N/A | 1.0000 | N/A | 17/07/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW311010144 | N/A | 1.0000 | N/A | 1/08/2083  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW311010145 | N/A | 1.0000 | N/A | 16/10/2084 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW311010146 | N/A | 1.0000 | N/A | 19/06/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW311010147 | N/A | 1.0000 | N/A | 27/01/2083 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW311090100 | N/A | 1.0000 | N/A | 13/01/2082 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW311170001 | N/A | 1.0000 | N/A | 5/09/2102  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW311170002 | N/A | 1.0000 | N/A | 5/09/2102  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW311170003 | N/A | 1.0000 | N/A | 9/10/2102  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW311170004 | N/A | 1.0000 | N/A | 5/09/2102  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW311170005 | N/A | 1.0000 | N/A | 10/08/2104 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW311210001 | N/A | 1.0000 | N/A | 2/10/2096  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW311210002 | N/A | 1.0000 | N/A | 8/08/2095  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW311210003 | N/A | 1.0000 | N/A | 3/11/2095  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW311210004 | N/A | 1.0000 | N/A | 18/10/2095 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW311210005 | N/A | 1.0000 | N/A | 2/05/2096  | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW311210006 | N/A | 1.0000 | N/A | 26/09/2095 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW311210007 | N/A | 1.0000 | N/A | 12/09/2096 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW311210008 | N/A | 1.0000 | N/A | 29/07/2095 | Right of Way | Surface |
| NY | ROW | Empire Energy E&P, LLC | RW311210009 | N/A | 1.0000 | N/A | 26/07/2095 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490001 | N/A | 1.0000 | N/A | 22/01/2043 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490002 | N/A | 1.0000 | N/A | 22/01/2043 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490003 | N/A | 1.0000 | N/A | 19/02/2043 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490004 | N/A | 1.0000 | N/A | 15/12/2032 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490005 | N/A | 1.0000 | N/A | 8/03/2033  | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490006 | N/A | 1.0000 | N/A | 30/06/2039 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490007 | N/A | 1.0000 | N/A | 26/05/2040 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490008 | N/A | 1.0000 | N/A | 26/05/2040 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490009 | N/A | 1.0000 | N/A | 31/03/2043 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490010 | N/A | 1.0000 | N/A | 7/10/2031  | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490011 | N/A | 1.0000 | N/A | 17/05/2040 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490012 | N/A | 1.0000 | N/A | 21/09/2027 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490100 | N/A | 1.0000 | N/A | 10/01/2085 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490101 | N/A | 1.0000 | N/A | 20/08/2085 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490102 | N/A | 1.0000 | N/A | 19/10/2080 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490105 | N/A | 1.0000 | N/A | 22/05/2084 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490106 | N/A | 1.0000 | N/A | 20/12/2083 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490107 | N/A | 1.0000 | N/A | 20/12/2083 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490108 | N/A | 1.0000 | N/A | 22/05/2084 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490109 | N/A | 1.0000 | N/A | 30/12/2083 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490110 | N/A | 1.0000 | N/A | 13/05/2084 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490111 | N/A | 1.0000 | N/A | 20/05/2084 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490112 | N/A | 1.0000 | N/A | 11/05/2084 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490113 | N/A | 1.0000 | N/A | 13/05/2084 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490114 | N/A | 1.0000 | N/A | 6/05/2084  | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490115 | N/A | 1.0000 | N/A | 10/05/2084 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490116 | N/A | 1.0000 | N/A | 28/05/2084 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490117 | N/A | 1.0000 | N/A | 20/05/2084 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490118 | N/A | 1.0000 | N/A | 27/05/2084 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490119 | N/A | 1.0000 | N/A | 17/02/2082 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490120 | N/A | 1.0000 | N/A | 17/02/2082 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490121 | N/A | 1.0000 | N/A | 26/01/2082 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490122 | N/A | 1.0000 | N/A | 24/11/2081 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490123 | N/A | 1.0000 | N/A | 24/11/2081 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490124 | N/A | 1.0000 | N/A | 24/11/2081 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490125 | N/A | 1.0000 | N/A | 8/03/2082  | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490126 | N/A | 1.0000 | N/A | 23/03/2082 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490127 | N/A | 1.0000 | N/A | 27/09/2081 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490128 | N/A | 1.0000 | N/A | 8/03/2082  | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490129 | N/A | 1.0000 | N/A | 19/11/2081 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490130 | N/A | 1.0000 | N/A | 28/09/2081 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490131 | N/A | 1.0000 | N/A | 1/02/2082  | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490132 | N/A | 1.0000 | N/A | 24/09/2081 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490135 | N/A | 1.0000 | N/A | 1/03/2082  | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490136 | N/A | 1.0000 | N/A | 15/03/2082 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490137 | N/A | 1.0000 | N/A | 7/10/2081  | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490138 | N/A | 1.0000 | N/A | 26/09/2081 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490139 | N/A | 1.0000 | N/A | 10/11/2081 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490140 | N/A | 1.0000 | N/A | 13/04/2082 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490141 | N/A | 1.0000 | N/A | 11/12/2086 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490142 | N/A | 1.0000 | N/A | 25/01/2089 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490143 | N/A | 1.0000 | N/A | 8/08/2082  | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490144 | N/A | 1.0000 | N/A | 10/12/2081 | Right of Way | Surface |







|    |     |                        |             |     |        |     |            |              |         |
|----|-----|------------------------|-------------|-----|--------|-----|------------|--------------|---------|
| PA | ROW | Empire Energy E&P, LLC | RW370490402 | N/A | 1.0000 | N/A | 27/09/2078 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490403 | N/A | 1.0000 | N/A | 17/09/2078 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490404 | N/A | 1.0000 | N/A | 17/04/2098 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490406 | N/A | 1.0000 | N/A | 29/11/2098 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490407 | N/A | 1.0000 | N/A | 15/02/2099 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490408 | N/A | 1.0000 | N/A | 25/04/2099 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490409 | N/A | 1.0000 | N/A | 5/12/2099  | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490410 | N/A | 1.0000 | N/A | 4/12/2099  | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490411 | N/A | 1.0000 | N/A | 20/04/2100 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490412 | N/A | 1.0000 | N/A | 27/04/2100 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490413 | N/A | 1.0000 | N/A | 5/04/2081  | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490414 | N/A | 1.0000 | N/A | 24/02/2081 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490415 | N/A | 1.0000 | N/A | 27/06/2083 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490416 | N/A | 1.0000 | N/A | 2/01/2084  | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490417 | N/A | 1.0000 | N/A | 2/08/2083  | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490418 | N/A | 1.0000 | N/A | 13/11/2083 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490419 | N/A | 1.0000 | N/A | 2/08/2083  | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490420 | N/A | 1.0000 | N/A | 13/08/2083 | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490421 | N/A | 1.0000 | N/A | 9/03/2104  | Right of Way | Surface |
| PA | ROW | Empire Energy E&P, LLC | RW370490423 | N/A | 1.0000 | N/A | 18/10/2087 | Right of Way | Surface |