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COAL SEAM DEVELOPMENT EXTENDED 800 m TO OVER 2.4 KM OF STRIKE LENGTH

- Latest drill hole (NDH 05) intersects coal sequence 97.5 m thick
- Cumulative down hole coal seam thickness 36.6 m thick
- Coal seam development now defined over 2.4 km of strike length
- Assays from NDH 04 show consistent coal quality

The Directors of TVN Corporation Pty Ltd (ASX:TVN) are pleased to announce the results from our latest drilling activities on the Nuurst Project.

Hole NDH 05 has intersected a 97.5 m thick coal sequence which includes a cumulative down hole coal seam thickness of 36.6 m. Hole NDH 05 was drilled 800 m further north along strike from the previously reported hole NDH 04. This extends the known coal seam development a further 800 m north.

Now a significant overall strike length has been established, the focus of exploration efforts will move to the southern end of the known coal seam development to delineate the seam profile across the Licence area. Hole NDH 06 (currently being drilled) is testing the coal thickness proximal to the coal present in the first trenches.

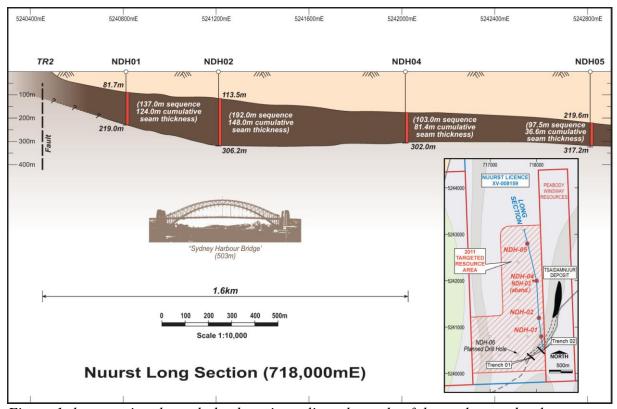


Figure 1: long section through the deposit, outlines the scale of the coal seam development.

Assay results from hole NDH04 indicate coal of a similar quality to that defined in previously announced drill holes.

| Assay Data | Inherent Moisture | Ash % | Volatile Matter | Fixed Carbon | Total Sulphur | Calorific Value Kcal/kg | Value Kcal/kg | Calorific Value Kcal/kg | Relative Density g/cm3 |
|--|----------------------|----------|--------------------|-----------------|------------------|-------------------------------|------------------|-------------------------------|------------------------------|
| | adb | adb | adb | adb | adb | adb | db | daf | ad |
| Nuurst Drill hole NDH04 - total intersection | 22.91 | 16.23 | 37.81 | 23.05 | 1.04 | 4060 | 5272 | 6669 | 1.51 |
| Overall Nuurst Average (all holes assayed) | 25.32 | 13.60 | 38.25 | 22.79 | 0.99 | 4071 | 5468 | 6664 | 1.49 |
| Primary Reported Seam(averaged over all holes) | 25.43 | 12.53 | 39.02 | 23.02 | 0.94 | 4146 | 5579 | 6680 | 1,47 |

TVN looks forward to reporting further drilling results as they come to hand in the future.

About the Nuurst Project:

The Nuurst Project is a 3,451 Ha exploration licence located 120kms south of Ulaanbaatar in an area with a number of operating coal mines. Nuurst is 6km from existing rail infrastructure providing low cost access to the key coal export markets of China, South Korea and Japan. TVN has entered into an option agreement to purchase the Nuurst Project.

Chris Mardon Managing Director TVN Corporation Ltd.

Competent Person Statement

The information in this announcement that related to exploration results is based on information obtained from the vendor and Cadastral archives in Mongolia and recent drilling and trenching activities on site. This information has been reviewed by Mr Geoff Richards of CSA Global Pty Ltd, Western Australia. Mr Richards is a member of the Australian Institute of Geoscientists and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a competent person as defined in the 2004 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Richards consents to the inclusion in the report of the matters based on his information in form and context in which it appears.

| | | | PROJECT NAME | Nuurst | | 717800 E |
|---|---------------|---|--|-------------------------|-------------------------|-----------|
| | | | | | | |
| - + | | PM | LICENSE INFORMATION | XV-008159 | 1 | 5242800 N |
| 101 | | | DRILL HOLE NUMBER | NDH-05 | | UTM WGS-8 |
| \sim \times | | | DATE COLLARED | 2011.08.12 | | North 48 |
| MINEDAL | EVDI ODAT | TION COMPANY | DATE COMPLETED | 2011.08.20 | | Vertical |
| MINERALI | EXPLURA | TION COMPANY | DESCRIPTION | From | То | Coal |
| | | | DESCRITTION | FIOII | 10 | Coar |
| GRAPH | ROCK | | (Colour, Weathering, Rock Type, Grain size ete) | m | m | m |
| | oss-cg | | coarse to very coarse grained, very poorly sorted sand with 0.3-0.8 cm subangular granules. 0-25%. Core is washed. | 0.00 | 7.20 | |
| | OSS-MG | Light brown colored in total to 5-10%. Con | medium to coarse grained, poorly sorted sand with 0.3-0.5 cm subangular granules. Granules re is washed. | 7.20 | 16.00 | |
| | OSS-FG | Light brown colored | fine grained, poorly sorted sand. Core is washed. | 16.00 | 19.00 | |
| | OSS-MG | Core is washed. Dark granules in total to 59 | s brown colored, coarse to medium grained, poorly sorted sand. 0.3-0.5 cm subangular %. | 19.00 | 29.10 | |
| | OSS-MG | Dark brown to light b | prown colored medium to coarse grained, noorly sorted sand with 0.5-7.0 cm subrounded by very coarse grained, moderately sorted sand. | 29.10 29.88 | 29.88 | |
| | OSS-CG MS | Dark brown coarse to Grav. sandy, carbonac | o very coarse grained, moderately sorted sand, ceous mudstone, Lower contact 30 degrees to core axis, undulose. At last 5cm medium | 30.50 | 30.50 30.72 | |
| | · CONGL MS | Gray colored, very po | ceous mudstone. Lower contact 30 degrees to core axis. undulose. At last 5cm medium oorly sorted conglomerate. 1.6-5.0 cm diameter, rounded rock fragments in total to 25-30%, carbonaceous mudstone. Lower contact 25 degrees to core axis. | 30.72 31.05 | 31.05 | |
| ********* | CSH | Black gray colored, it | nterbedded coal, coaly shale and shaly coal bed. Lower contact 15-20 degrees to core axis. | 31.55 | 32.36 | |
| | SH MS | Dark grav carbonaceo Dark grav carbonaceo | ous shale with 0.3-2.0 cm thick coal bed. Lower contact 25 degrees to core axis. At last 10 cm ous mudstone. Lower contact is irregular. | 31.55 32.36 33.19 | 32.36 33.19 34.24 | |
| | SS-FG MS | Grav. fine grained, no | porly sorted sandstone. Lower contact is broken. At first 10 cm sandstone bed with 0.5-2.0 cm andy mudstone. Lower contact irregular. | 34.24 34.90 | 34.90 35.67 | |
| | SS-FG | | ed, well sorted carbonaceous sandstone. Lower contact is 35 degrees to core axis. | 35.67 | 38.20 | |
| | CONGL | Grav, very poorly sor | ted conglomerate, 0.5-3.0 cm diameter, rounded rock fragments in total to 50-55%. Cement | 38.20 | 39.73 | |
| | SS-CG | Gray, fine to coarse g | rained, moderately sorted carbonaceous sandstone bed. Lower contact is broken, At 40.11- ed carbonaceous mudstone, fine grained sandstone and carbonaceous shale bed. Lower | 39.73 | 40.45 | |
| | MS | | t core axis. At 42.02-42.42 m fine grained sandstone, lower contact is irregular. At 42.67- | 40.45 | 43.40 | |
| *********** | SHC MS | Black gray colored sh | haly coal bed. Lower contact is 25 degrees to core axis. oaly mudstone bed. Lower contact is 45-55 degrees to core axis, undulose. | 43.40 43.58 | 43.58 43.83 | |
| | MS | 44.92 m shaly coal be 50.00 m core recover | terbedded mudstone, sandy mudstone bed. Lower contate is 15 degrees to core axis. At 44.90 ed, 15-20 degrees to core axis. At 47.51-48.13 m interbedded mudstone, shaly coal bed. 46.80 y 56%. At 51.05-51.45 m interbedded shaly coal, mudstone bed. Core is broken. | | 53.90 | |
| | MS | Dark gray mudstone. | Lower contact is 20 degrees to core axis, undulose. | 54.18 | 56.00 | |
| | · SS-MG | Dark grav, medium g | rained, well sorted sandstone. Lower contact is 15 degrees to core axis, ray colored, interbedded carbonaceous mudstone, coal, shaly coal bed. Lower contact is | 56.00 | 56.42 | |
| | MS | irregular | | 56.42 | 58.65 | |
| | SS-MG MS | Dark grav. medium g | rained_well sorted sandstone. Lower contact broken. Lower contact is broken. | 58.65 59.00 | 59.00 60.80 | |
| | | | rate. Core is washed. Core recovery 70%. 1.0-2.5 cm diameter, subrounded granules in total to | 60.80 | 61.80 | |
| | MS | colored conglomerate | lored sandy mudstone. Lower contact is 20 degrees to core axis. At 63.00-63.23 m dark gray e, 1.0-6.0 cm diameter, rounded granules in total to 25-30%. | 61.80 | 66.35 | |
| *************************************** | CSH | Gray and black gray of | colored interbedded coal, coalv shale, mudstone bed. Coal bed 0-10 degrees to core axis, nudstone. Lower contact is broken. At 68.75-68.80 m black brown colored coal bed, 20 | 66.35 | 66.75 | |
| 188888888 | MS : | degrees to core axis | d conglomerate. 1.0-7.0 cm diameter, rounded rock fragments. Core is broken. Cement weak | 66.75 | 68.85 | |
| | CONGL | clay, sand material. | | 68.85 | 75.20 | |
| | SS-FG | Gray, fine grained, we Lower contact is brok | ell sorted, carbonaceous sandstone with some parts 0.1-0.3 cm thick conglomerate bed. ken. | 75.20 | 80.45 | |
| | CONGL | Dark gray colored, br | roken conglomerate. 1.0-4.0 cm diameter, rounded rock fragments in total to 30-35%. | 80.45 | 86.66 | |
| | SS-FG | Gray, fine grained, w | ell sorted sandstone. Lower contact is broken. | 86.66 | 89.00 | |
| | MS | | lored sandy carbonaceous mudstone. Lower contact is 20-25 degrees, undulose. At 90.57- | 89.00 | 92.00 | |
| | CONGL | Dark gray, greenish, v Cement weak, broker | onglomerate. 0.5-3.0 cm daimeter, rounded rock fragments 20-25%. Cement weak sandy very poorly sorted conglomerate. 0.5-7.0 cm diameter, rounded rock fragments 25-30%. n sand material. Some parts hard, tough conglomerate. Intrusion and sedimentary rock have er contact is broken. 92.00-101.00 m core is washed. At 99.10-100.50 m dark gray, fine d. Core is washed. | 92.00 | 101.00 | |
| | SS-FG | conglomerate, coaly s 109.03-109.20 m ban contact is 0 degrees to | nterbedded fine to medium grained, poorly sorted carbonaceous sandstone bed mostly, shale, coal, carbonaceous mudstone bed. Mostly conglomerate bed washed, core loss. At added coal, coaly shale bed. At 111.50-111.60 m coal bed, upper contact is 15 degrees, lower o core axis. At 114.90-115.08 m black brown, banded coal bed, shaly coal bed, upper contact act is 10 degrees to core axis. | 101.00 | 119.40 | |
| | MS | irregular. Lower cont | ous, sandy mudstone with some parts 10.0-15.0 cm thick fine grained sandstone bed. Contact act is broken. At 121.84-122.00 m black brown coal bed. Contact is broken. | 119.40 | 128.75 | |
| | CONGL | | conglomerate. 1.0-7.0 cm diameter, rounded rock fragments in total to 30-40%. Cement clay | 128.75 131.00 | 131.00 132.97 | |
| | | | andy mudstone. Lower contact broken. At 131.20-132.77 m core is washed, dark gray omerate. 1.0-7.0 cm diameter, rounded rock fragments in total to 35-40%. Core is washed. | 132.97 | 134.00 | |
| | | | ous mudstone with 1.0-2.0 cm thick coal bed. Lower contact is broken. At 135.17-135.42 m | 134.00 | 135.75 | |

| CONCEL Control washed, breaker, Correct shape of posted conjuncations and state of posted configurations and state of posted conjuncations in the 10 J-840°, Configuration and the conjuncations are presented as the posted conjuncation of the conj | | | | | | | |
|--|---------|---|---------|--|------------------|------------------|------|
| COSSI. C. See of a washed. Gray to greenish gay colored congluments. J. Bi-100 cm disanters, rounded rock fragments in briston. SAFO. C. Cree is washed. Gray to greenish gay colored congluments. J. Bi-100 cm disanters, rounded rock fragments in briston. COSSI. Core is washed. Gray to greenish gay colored congluments. J. Bi-100 cm disanters, rounded rock fragments in briston. COSSI. Core is washed. Gray to greenish gay colored congluments. J. Bi-100 cm disanters, rounded rock fragments in briston. COSSI. Core is washed. Gray to greenish gay colored congluments is briston. MS 24 185.5-185. Commit sandy mineral. Lower contact is briston. MS 24 185.5-185. Commit sandy mineral. Lower contact is briston. MS 24 185.5-185. Commit sandy mineral. Lower contact is briston. MS 24 185.5-185. Commit sandy mineral. Lower contact is briston. COSSI. COSSI. COSSI. All 185.5-185. Commit sandy mineral. Lower contact is briston. MS 24 185.5-185. Commit sandy mineral. Lower contact is briston. COSSI. All 185.5-185. Commit sandy mineral. Lower contact is briston. COSSI. All 185.5-185. Commit sandy mineral. Lower contact is briston. COSSI. All 185.5-185. Commit sandy mineral. Lower contact is briston. COSSI. All 185.5-185. Commit sandy mineral. Lower contact is briston. COSSI. All 185.5-185. Commit sandy mineral. Lower contact is 10 dispress, lower contact in Briggers to core sand. Lower contact in Briston. All 185.5-185. Commit sandy mineral. Contact helman sandy mineral. Commit helman sandy mineral. COSSI. All 185.5-185. Commit sandy mineral. Contact helman sandy mineral. MS 25 Arthrough mineral. Contact helman sandy mineral. MS 26 Arthrough mineral. MS 26 Arthrough mineral. MS 26 Arthrough mineral. MS 26 Arthrough mineral | | | CONGL | sedimentary rock fragments. Cement sandy and clay material. Rock fragments in total to 35-40%. Conglomerate some parts hard, tough. At 137.00-137.35 m carbonaceous mudstone bed, lower contact broken. At 140.00-140.25 | 135.75 | 146.00 | |
| CONCI. Control page configuration core in washed, core receives 7% 1, 16-6 for distances, remoded rock fragments in 15-00 15-50 SSERT Office page 118 pag | - 1 | | MS | broken. | 146.00 | 149.00 | |
| SEPCI STATE CONTRIBUTION CONTRI | | | CONGL | Greenish gray conglomerate. Core is washed, core recovery 29%, 1.0-6.0 cm diameter, rounded rock fragments in | 149.00 | 152.00 | |
| CONCI. Come is washed. Citry to generably gazy colored conglomerane. 1,0–10.0 cm diameter, rounded rock fragments in 155.00 186.60 200 200 200 200 200 200 200 200 200 2 | [| | CL | No core, core loss. | 152.00 | 153.30 | |
| CONCI. Core is washed. Giry to greenish gray colored complomerate, 10-100 cm diameter, rounded rock fingments in grained to medium grained sundstoner bod. CINY, dark gray colored curbonaceous, ususly mediume with 1.8-8 cm thick coal bod. Lower contact is broken. As 16-55-18-66 on Mach Errow molecule coll bod, upper contact 19 degrees, hower contact is 0 degrees to core CONCI. Core is washed. Core revery 47-98. Higher private flags or docking or colored configuration. 25-60 on dismeter, rounded rock fragments in 19-2.00. CONCI. Core is washed. Core revery 47-98. Higher private flags or docking or colored configuration. 25-60 on dismeter, membed reck fragments in 19-2.00. CONCI. Core is washed. Core revery 47-98. Higher private flags or docking or colored complements. 25-60 on dismeter, membed rock fragments in 19-2.00. CONCI. Core is washed. Core revery 47-98. Higher private flags or docking to color colored complements. 25-60 on dismeter, membed rock fragments in 19-2.00. CONCI. Core is washed. As a membed colored control in 19-2.00 on thousand washed. The colored col | | | SS-FG | | 153.30 | 155.00 | |
| MS At 188.59-188.66 in black hown colored caled bed, upper contact 10 degrees, lower contact is 0 degrees to core ass. CONGL (ver is washed; core recovery 5%). Black gray to dark gray colored conglomerate. 0.5-6.0 cm diameter, rounded cook from the control of | | | CONGL | Core is washed. Gray to greenish gray colored conglomerate, 1.0-10.0 cm diameter, rounded rock fragments ib total to 35-40%. Cement sandy material. Lower contact is broken. Some parts 10.0-40.0 cm thick mudstone, fine grained to medium grained sandstone bed. | 155.00 | 186.40 | |
| CONCI. Greenish gav, gary colored configurate tale. Core is very washed. 0.5-6.0 cm diameter, rounded rock fragments in 194.80 205.00 total to 50-60°s. Cement sandy material. MS Dark area coals' mudotione. Lower contact is 10 decrees to core axis. C Blisck brown, black gav interfedded coal, shally coal bed. Coal bed 25-30 degrees to core axis. Lower contact 10 205.63 20.612 0.49 MS Dark gray colored earbonaceous analyt midstone bed. Coal bed 25-30 degrees to core axis. Lower contact 10 205.63 20.612 0.49 MS Dark gray colored earbonaceous analyt midstone bed. Coal bed 25-30 degrees to core axis. Lower contact 20 205.63 20.612 0.49 MS Dark gray colored earbonaceous analytic midstone with coal bed. Lower contact is 10 degrees to core axis. Lower contact is 20 20.612 0.49 MS Dark gray colored earbonaceous mathematics with coal debts. Core recovery 37% core is washed, blooken. Upper and lower contact is broken. CSL Dark gray colored earbonaceous mathematics with coal debts. Core recovery 37% core is washed, blooken. Upper and lower contact is broken. CSL Core loss, washed. CL Core loss, washed. S Medium area colored coals, earbonaceous andiotes, Core recovery 37% core is washed. Since 10 21.60 21.60 3 | Į | | MS | At 188.59-188.66 m black brown colored coal bed, upper contact 10 degrees, lower contact is 0 degrees to core axis, undulose. | 186.40 | 192.80 | |
| CONCIL Greenish gray, gray, colored configureretate. Core is very weahed. 0.5-6.0 cm diameter, rounded rock fragments in 194.80 205.00 Date, error coal to 9-60%. Cement sandy material. MS Date, error coal remotioner. Lewer contact is 10 destrees to core axis. CS Blick hown, Black gray interbedded coal, shaly coal bed. Coal bed 25-30 degrees to core axis. Lower contact 10 205.00 205.01 20.612 20.80 MS Date gray colored carbonaceous, analy mindstone bed. Lower contact 20 degrees to core axis. CS Blick hown, Pupils coal poll. Lower contact is 10.60 MS Date gray colored carbonaceous, madetone with coal deforts. Core recovery 53% core is washed, broken. Upper 200.42 212.00 MS Date gray colored carbonaceous, madetone with coal deforts. Core recovery 53% core is washed, broken. Upper 200.42 212.00 MS Date gray colored carbonaceous, madetone with coal deforts. Core recovery 53% core is washed, broken. Upper 200.42 212.00 MS Date gray colored carbonaceous, madetone with coal deforts. Core recovery 53% core is washed, broken. Upper 200.42 212.00 MS Date gray colored carbonaceous madetone coal contact and the coal coal coal coal coal coal coal coal | | | CONGL | | 192.80 | 194.80 | |
| MS Dark gray colored carbon security in the control of the color of th | | | | Greenish gray, gray colored conglomeretate. Core is very washed. 0.5-6.0 cm diameter, rounded rock fragments in total to 50-60%. Cement sandy material. | | | |
| MS Dark gray colored carbonaccous, sandy mudstone bed Lower contact -20 degrees to over axis. Class the control of the color of the co | | | | | | | 0.40 |
| C. Black hrown, print to cal bed. Lower contact is 20-25 degrees to core axis, unblobes. SIG: Care and black brown, colored cattrebacked shall cover and coal bed 10-25 cm high. 15-20 degrees to 209-12. 209 | | | | , <u>, , , , , , , , , , , , , , , , , , </u> | | | 0.49 |
| SHC Graz and black frown colored interhelefold shale coal and coal bed Coal hed 10-3 cm thick 15-3 febrees to 200-12 200-42 212.00 4 204-21 21.00 4 204-21 2 | ı | | С | Black brown, bright coal bed. Lower contact is 20-25 degrees to core axis, undulose. | 208.80 | | |
| MS and lower contact is broken. (SSI Dark grave to medium parx colored coals, carbonaceous shale. Lower contact is 5 degrees to core axis. plana 1720 1245 MO Lower content is broken. (SSI Dark grave to medium parx colored corbonaceous smallstone with bottom of carbonaceous smallstone & 1210 1245 MO Lower content is broken. (SSI Dark grave colored carbonaceous shales lower contact is 1 broken. (SSI Dark grave colored carbonaceous shales lower contact is broken. (SSI Dark grave colored carbonaceous shales lower contact is broken. (SSI Dark grave colored carbonaceous shales lower contact is broken. (SSI Dark grave colored shale colored carbonaceous shales and colored shales colored as the colored shale colored carbonaceous shales lower contact is 10-15 degrees to core axis. (SSI Dark grave colored shale colored shales to colored shales be colored shales be colored shales to colored shales be colored shales be colored shales to colored shales be colored shales be colored shales to colored shales be colored shales to colored shales be colored shales to | -[| | | Grav and black brown colored interbedded shalv coal and coal bed. Coal bed 1.0-2.5 cm thick, 15-20 degrees to | | | |
| MS Dark crax colored carbonaceous mudstone with bottom of carbonaceous sandstone bol. Lower contact is broken. 21,445 21,340 S. Medium array colored, archiveness and sandstone. Ar. 215,00,215.10 m noorly sorted, rounded 21,500 21,61 | Į. | | | and lower contact is broken. | | | |
| SS Medium error colored, well sorted carboaceous sandstone. At 215.00-215.00 m poorly sorted counded 215.00 216.05 16.45 16.45 10.45 1 | ľ | •••••• | MS | Dark gray to medium gray colored coalu, carbonaceous shale. Lower contact is 5 degrees to core axis, planar. Dark gray colored carbonaceous mudstone with bottom of carbonaceous sandstone bed. Lower contact is broken. | 212.45 | 213.40 | |
| SH. Dark arms colored carbanaceous shale, lower contact is broken. SH. Dark arms colored carbanaceous shale with cold debris, Lower contact is broken. SH. Dark arms colored carbanaceous shale with cold debris, Lower contact is 10 degrees to core axis. CSH Medium arms colored carbanaceous shale with cold to cold be contact in the cold because the cold and carbanaceous shale lower contact is 10 degrees to core axis. CSH Medium arms colored carbanaceous medium in 10 degrees to core axis. CSH Medium arms colored carbanaceous medium in 10 degrees to core axis. CSH Medium arms colored carbanaceous medium in 10 degrees to core axis. CSH Shale brown colored, dull and bright cold bed, lower contact is 20 degrees to core axis. CSH Shale brown colored, dull and bright cold bed, lower contact is 20 degrees to core axis. CSH Dark arms colored cold whale. Lower contact is 10 decrees to core axis. CSH Dark arms colored cold whale. Lower contact is 10 decrees to core axis. CSH Dark arms colored dull and bright cold bed, 20-25 degrees to core axis. CSH Dark arms colored dull and bright cold bed, 20-25 degrees to core axis. CSH Dark arms colored dull and bright cold bed, 20-25 degrees to core axis. CSH Dark arms colored dull and bright cold bed, 20-25 degrees to core axis. Lower contact is 20 degrees to core axis. CSH Dark arms colored dull and bright cold bed, 20-25 degrees to core axis. Lower contact is 20 degrees to core axis. CSH Dark arms colored dull and bright cold bed, 20-25 degrees to core axis. Lower contact is 3.5 degrees to core axis. CSH Dark arms colored dull and bright cold bed, 20-25 degrees to core axis. CSH Dark arms colored dull cold bed to axis arms cold and arms are accordance and cold with 25-14 decrees to core axis. CSH Dark arms colored dull cold bed to axis 20 degrees to core axis. CSH Dark arms colored dull cold bed to axis 20 degrees to core axis. CSH Dark arms colored dull cold bed to axis 20 degrees to core axis. CSH Dark arms colored dull cold bed to axis 20 degrees to core axi | - [| | | | | 215.00 | |
| MS Medium errar colored carbonaceous mudstone. Lower contact is 20 degrees to core axis. SHE Duts brown colored shall colored content is 10 degrees to core axis. SHE Duts brown colored shall colored content is 10 degrees to core axis. CSH Medium errar colored content shall be degree to core axis. SHE Duts brown colored content shall be degree to core axis. CSH Medium errar colored content shall be degree to core axis. CSH Medium errar colored content shall be degree to core axis. CSH Back brown colored, dull and bright coal bed. Lower contact is 25 degrees to core axis. CSH Unit practice and the degree of the degree | l | | SH | Dark grav colored carbonaceous shale, lower contact is broken. | 216.05 | 216.45 | |
| C | Į. | | MS | Medium gray colored carbonaceous mudstone. Lower contact is 20 degrees to core axis, undulose. | 218.00 | 218.60 | |
| C | 8 | | CSH | Medium grav colored coaly shale. Lower contact is 10-15 degrees to core axis. | 219.00 | 219.60 | |
| C Black brown colored, dull and bright coal bed. Lower contact is 25 degrees to core axis. S C Black brown dull and bright coal bed. Lower contact is 10 degrees to core axis. C Black brown dull and bright coal bed. Lower contact is 10 degrees to core axis. C Black brown dull and bright coal bed. Lower contact is 20 degrees to core axis. C Black brown dull and bright coal bed. Lower contact is 20 degrees to core axis. C Black brown dull and bright coal bed. Lower contact is 20 degrees to core axis. C Black brown dull coal ball coal bed. 20-25 degrees to core axis. C Black brown, dull coal bed with 05-14 degrees to core axis. C Black brown, dull coal bed with 05-14 degrees to core axis. C Black brown, dull coal bed with 05-14 degrees to core axis. C Black brown, dull coal bed with 05-14 degrees to core axis. C Black brown, dull coal bed with 05-14 degrees to core axis. C Black brown, dull coal bed with 05-14 degrees to core axis. C Black brown, dull coal bed with 05-14 degrees to core axis. C Black brown, dull coal bed with 05-14 degrees to core axis. C Black brown, dull coal bed with 05-14 degrees to core axis. C Black brown, dull coal bed with 05-14 degrees to core axis. C Black brown, dull coal bed with 05-14 degrees to core axis. C Black brown, dull coal bed with 05-14 degrees to core axis. C Black brown colored, dull coal bed. Lower contact is 5-10 degrees to core axis. C Black brown colored, dull coal bed. Lower contact is 5-10 degrees to core axis. C Black brown colored, dull coal bed. Lower contact is 5-10 degrees to core axis. C Black brown colored, dull coal bed. Lower contact is 5-10 degrees to core axis. C Black brown colored, dull coal bed. Lower contact is 5-10 degrees to core axis. C Black brown coal bed. Coal bed 1-5 degrees to core axis. Lower contact is 15 degrees to core axis. C Black brown coal bed. Coal bed 1-5 degrees to core axis. Lower contact is 15 degrees to core axis. A 1240-91. C Black brown coal bed. Coal bed 1-6 degrees to core axis. Lower contact is 15 degr | 9.6 | | | | | | 0.65 |
| C. Black brown dull and bright coal bed. Lower contact is 10 decrees to core axis. CSH Dark gray colored coally shale. Lower contact is 3 degrees to core axis. Lower contact is 224,235 224,55 CSH Dark gray colored coally shale. Lower contact is 3 degrees to core axis. Lower contact is 20 degrees to core axis. 224,65 CSH Dark gray colored coally shale bed. Lower contact is 20 degrees to core axis. Lower contact is 224,65 CSH Dark gray colored coally shale bed. Lower contact is 20 degrees to core axis. Lower contact is 224,65 CSH Dark gray coally shale with 10 cm thick coal bed. Lower contact is 3.40 degrees to core axis. 226,75 CSH Dark gray coally shale with 10 cm thick coal bed. Lower contact is 3.40 degrees to core axis. 229,55 CSH Dark gray coally shale with 10 cm thick coal bed. Lower contact is 5.40 degrees to core axis. 229,55 CSH Dark gray coally shale with 10 cm thick coal bed. Lower contact is 25 degrees to core axis. 223,34 CSH Dark gray coally shale with 10 cm thick coal bed. Lower contact is 25 degrees to core axis. 223,34 CSH Dark gray coally shale with 10 cm thick coal bed. Lower contact is 25 degrees to core axis. 230,34 CSH Dark gray coally shale with 10 cm thick coal bed. Lower contact is 25 degrees to core axis. 230,34 CSH Dark gray colored, interbedded carbonaceous mudstone and coally shale bed. Lower contact is 25 degrees to core axis. 230,34 CSH Dark gray colored, interbedded carbonaceous mudstone and coally shale bed Lower contact is 3.0 degrees to core axis. 230,34 CSH Dark gray colored, and an activate and activate an activate | | | | Black brown colored, dull and bright coal bed. Lower contact is 25 degrees to core axis. | | | |
| CSH Dark gray colored coal's shale. Lower contact is 20 degrees to core axis. C Black brown colored dull and bright coal bed, 20-25 degrees to core axis. Lower contact is 20 degrees to core axis. CSH Clark, banked coal's shale bed. Lower contact is 20 degrees to core axis. at 226,65 CSH Clark, banked coal's shale bed. Lower contact is 20 degrees to core axis. at 226,60 CSH Dark gray coally shale with 10.0 cm thick coal bed. Lower contact is 5-10 degrees to core axis. CSH Dark gray colored, interbedded carbonaceous mudstone and coally shale. Lower contact is 25 degrees to core axis. At 233,48-233,60 m black brown coal bed, 20-25 degrees to core axis. undulose. C Black brown, dull coal bed with 0.0 cm thick coal bed. Lower contact is 25 degrees to core axis. At 233,48-233,60 m black brown coal bed, 20-25 degrees to core axis. undulose. C Black brown colored, dull coal bed. Lower contact is 10 degrees to core axis. MS Dark gray carbonaceous mudstone. Lower contact is 10 degrees to core axis. C Black brown colored dull coal bed. Lower contact is 10 degrees to core axis. C Black brown colored dull coal bed. Lower contact is 10 degrees to core axis. at 24, 24, 24, 24, 25, 24, 26, 26, 26, 26, 26, 26, 26, 26, 26, 26 | -1 | | MS | | 221.07 | 224.23 | |
| C Black brown colored dull and bright coal bed, 20-25 degrees to core axis. Lower contact is 20 degrees to core axis. 224.65 CSH Gray, banded coaly shale bed. Lower contact is 20 degrees to core axis. Lower contact is 3.240 degrees to core axis. 256.90 C Black brown, dull coal bed dealy with 0.5-14.0 cm thick coaly shale bed. Lower contact is 5 degrees to core axis. 229.55 CSH Dark gray coaly shale with 10.0 cm thick coal bed. Lower contact is 5.10 degrees to core axis, undulose. 229.55 CSH Dark gray coaly shale with 10.0 cm thick coal bed. Lower contact is 5.10 degrees to core axis, undulose. 229.55 CSH Dark gray coaly shale with 0.5-14.0 cm thick coal bed. Lower contact is 5.20 degrees to core axis, undulose. 229.55 CSH Dark gray coaly shale with 10.0 cm thick coal bed. Lower contact is 2.5 degrees to core axis, undulose. 230.34 Axis 233.48-233.60 m black brown coal bed, 20-25 degrees to core axis. undulose. 230.34 C Black brown colored, dull coal bed Lower contact is 6 degrees to core axis, undulose. 237.45 CSH Dark gray carbonaccous mudstons. Lower contact is 10 degrees to core axis. undulose. 237.45 CSH Dark gray carbonaccous mudstons. Lower contact is 10 degrees to core axis. 30.30 CSH Dark gray carbonaccous mudstons. Lower contact is 10 degrees to core axis. 30.30 CSH Dark gray carbonaccous development of thick coal bed 1.0 degrees to core axis. 30.30 CSH Dark gray carbonaccous development of thick coal bed 1.0 degrees to core axis. 30.30 CSH Dark gray contend interbedded carbonaccous coal to lark coal bed 1.0 degrees to core axis. 30.30 CSH Dark gray contend interbedded carbonaccous coal to core axis. 30.30 CSH Dark gray colored, interbedded carbonaccous, coal bed 1.0 gray coal bed. 243.65 CSH Dark gray colored, interbedded carbonaccous coal bed gerees to core axis. 425.00-245.03 m shaly coal bed. 243.65 CSH Dark gray colored, interbedded carbonaccous coally shale, mudstone with banded 0.5-34.0 m thick coal bed. Coal gray colored, interbedded carbonaccous coally shale, carbonaccous fon | | | C | Black brown dull and bright coal bed. Lower contact is 10 degrees to core axis. | | 224.53 | |
| CSH Under the control of the control | , | 00000000000 | | Black brown colored dull and bright coal bed, 20-25 degrees to core axis. Lower contact is 20 degrees to core axis, | | | 2.10 |
| C. Black brown, dull coal bed (201 bed vs.) 15-20 decrees to core axis, Lower contact is 35-40 degrees to core axis. 236 vg.) 277 37 47 57 57 57 57 57 57 57 57 57 57 57 57 57 | 0 | 000000000 | | | | | 2.10 |
| CSH Dark gray coalty shale with 0.5-14.0 cm thick coal bed. Lower contact is 5 degrees to core axis, 228.31 229.55 230.34 MS Dark gray coalty shale with 10.0 cm thick coal bed. Lower contact is 5-10 degrees to core axis, undulose. 229.55 230.34 MS Dark gray colored, interbedded carbonaceous mudstone and coalty shale. Lower contact is 25 degrees to core axis. 230.34 237.45 CSH Dark gray colored, interbedded carbonaceous mudstone and coalty shale. Lower contact is 25 degrees to core axis. 230.34 237.45 CSH Dark gray colored, dull coal bed. Lower contact is 10 degrees to core axis, undulose. 237.45 238.30 0.85 MS Dark gray colored dull coal bed. Lower contact is 10 degrees to core axis. 238.30 0.85 MS Dark gray colored coalty shale bed with 0.5-25 cm thick coal bed. Lower contact is 5 degrees to core axis. 238.30 0.65 CSH Dark gray colored coalty shale bed with 0.5-25 cm thick coal bed. Lower contact is 5 degrees to core axis. 239.30 240.45 CSH Dark gray colored coalty shale coal bed. Indeed coalty and the contact is 10 degrees to core axis. 240.45 241.92 1.47 CSH Dark gray coalty shale held Tower contact is 10 degrees to core axis. 240.45 241.92 1.47 CSH Dark gray coalty shale held Tower contact is 10 degrees to core axis. 240.45 241.92 1.47 CSH Dark gray coalty shale held Tower contact is 10 degrees to core axis. 242.50 2 | | | CSH | Black brown, dull coal bed. Lower contact is 20 degrees to core axis. Indutiose. Black brown, dull coal bed. Coal bed is 15-20 degrees to core axis. Lower contact is 35-40 degrees to core axis. | 226.90 227.37 | 227.37 228.31 | |
| Dark gray colored, interbedded carbonaceous mudstone and coaly shale. Lower contact is 25 degrees to core axis. At 233.48-233.60 m black brown coal bed, 20-25 degrees to core axis. C Black brown colored. dull coal bed. Lower contact is 0 degrees to core axis. Bark pray. carbonaceous mudstons. Lower contact is 10 degrees to core axis. CSI Dark pray. colored could whale bed with 0.5-25.20 m thick coal bed. Lower contact is 0.68 pray. See the core axis. CSI Dark pray. Colored could whale bed with 0.5-25.20 m thick coal bed. Lower contact is 15 degrees to core axis. Lower contact is 15 degrees to core axis. Color bed. Lower contact is 15 degrees to core axis. Lower contact is 15 degrees to core axis. At 240.93-240.45 CSI Dark pray colored, interbedded craly shale. Coal bed. Lower contact is 15 degrees to core axis. At 240.93-240.45 CSI Dark pray colored interbedded craly shale. Coal bed. Lower contact is 15 degrees to core axis. At 245.00-245.03 m shaly coal bed. CSI Dark pray colored coally shale. Hower contact is 20 degrees to core axis. CSI Dark pray colored coally shale. Lower contact is 20 degrees to core axis. CSI Dark pray colored coally shale. Lower contact is 20 degrees to core axis. CSI Dark gray colored. Interbedded carbonaceous, coally shale, mudstone with banded 0.5-34.0 cm thick coal bed. CSI Lower contact is 10-20 degrees, undulose. At 249.02-249.34 m black brown colored coal bed. Lower contact is 20 degrees to core axis. At 245.04-245.88 CSI Dark gray colored. Coally carbonaceous shale. Lower contact is 15 degrees to core axis. At 249.45-249.88 m black brown coal bed. Lower contact is 20 degrees to core axis. At 249.02-249.35 m black brown coal bed. Lower contact is 20 degrees to core axis. At 252.87-253.03 m black brown coal bed. Lower contact is 20 degrees to core axis. At 252.87-253.03 m black brown coal bed. Lower contact is 20 degrees to core axis. At 252.87-253.03 m black brown coal bed. Lower contact is 25 degrees to core axis. At 252.87-253.03 m black brown coal bed. Lower conta | Ì | | | | | | 1.24 |
| At 233.48-233.60 m black brown coal bed, 20-25 degrees to core axis. C Black brown colored, dull coal bed. Lower contact is 0 degrees to core axis. MS Dark gray carbonaceous mudstoner lower contact is 10 degrees to core axis. C Black brown colored, dull coal bed. Lower contact is 15 degrees to core axis. C Black brown colored, dull coal bed. Lower contact is 5 degrees to core axis. undulose, Coal bed 5 degrees to core 248.65 C Black brown coal bed. Coal bed 0-15 degrees to core axis. Lower contact is 16 degrees to core axis. 239.30 C Black brown coal bed. Coal bed 0-15 degrees to core axis. Lower contact is 15 degrees to core axis. 249.30 C Black brown coal bed. Coal bed 0-15 degrees to core axis. Lower contact is 15 degrees to core axis. 249.30 C Black brown coal bed. Lower contact is 10 degrees to core axis. Lower contact is 20 degrees to core axis. 249.31 C Black brown coal bed. Lower contact is 10 degrees to core axis. At 245.02-245.03 m shaly coal bed. C Black brown coal bed. Lower contact is 20 degrees to core axis. 245.00 C Black brown coal bed. Lower contact is 20 degrees to core axis. 245.00-245.88 C Black brown coal bed. Lower contact is 20 degrees to core axis. 245.00-245.88 C Black brown coal bed. Lower contact is 20 degrees to core axis. 245.00-245.88 C Black brown coal bed. Lower contact is 20 degrees to core axis. 245.00-245.88 C Black brown colored coal bed. Lower contact is 20 degrees to core axis. 245.00-245.88 C Black brown colored coal bed. Lower contact is 20 degrees to core axis. 245.00-245.88 C Black brown colored coal bed. Lower contact is 20 degrees to core axis. 245.29 C Black brown colored coal bed. Lower contact is 20 degrees to core axis. Lower contact is 5.20 C Black brown colored coal bed. Lower contact is 20 degrees to core axis. Lower contact is 5.20 C Black brown coal bed. Coal bed. Coal degrees to core axis. Lower contact is 5.20 C Black brown coal bed. Coal bed is 5-15 degrees mostly, rarely 20-25 degrees to core axis. Lower contact is 5.20 C Black brown | R | · | CSH | Dark gray coaly shale with 10.0 cm thick coal bed. Lower contact is 5-10 degrees to core axis, undulose. | 229.55 | 230.34 | |
| MS Dark grav carbonaceous mudstone. Lower contact is 10 degrees to core axis. C Black brown colored. dull coal bed. Lower contact is 5 degrees to core axis. undulose. Coal bed 5 degrees to core axis. 239.30 0.65 CSH Dark grav colored coalv shale bed with 0.5-25.0 cm thick coal bed. Lower contact is 5 degrees to core axis. 219.30 240.45 C Black brown coal bed. Coal bed 0-15 degrees to core axis. Lower contact is 15 degrees to core axis. 219.30 240.45 CSH Dark grav colored interhedded coalv shale coal bed. Lower contact is 15 degrees to core axis. At 240.92 240.45 CSH Dark wrav colored interhedded coalv shale core axis. Lower contact is 15 degrees to core axis. At 240.92 241.92 247.6 CSH Dark wrav coalv shale helf Lower contact is 10 degrees to core axis. At 245.00-245.03 m shaly coal bed. 243.65 245.40 1.75 CSH Dark grav colored coalv shale lower contact is 20 degrees to core axis. At 245.00-245.03 m shaly coal bed. 243.65 245.40 1.75 CSH Dark grav colored coal bed. Lower contact is 20 degrees to core axis. 245.40 245.88 246.33 C Black brown colored coal bed. Lower contact is 20 degrees to core axis. 245.40 cm thick coal bed. 245.88 246.33 CSH Lower contact is 10-20 degrees, undulose. At 249.02-249.34 m black brown colored coal bed, upper contact is 5-10 degrees multipuse lower contact is 20 degrees to core axis. 245.40 shale purper contact is 5-20 degrees to core axis. 255.00 park gray colored, interbedded carbonaceous, coaly shale, mudstone with banded 0.5-34.0 cm thick coal bed. 255.10 254.63 CSH Dark gray colored coalv grave contact is 5-20 degrees to core axis. 255.20 park gray colored coalved, coalved and proper contact is 5-20 degrees to core axis. 255.20 park gray colored coalved and proper contact is 5-20 degrees to core axis. 255.20 park gray colored coalved proper contact is 5-20 degrees to core axis. 255.20 park gray colored coalved proper contact is 5-20 degrees to core axis. 256.67-256.10 m black brown coal bed. Lower contact is 5-20 degrees to core axis. 10 degrees to core axis. 10 degr | ı | | MS | , , , | 230.34 | | |
| C Black brown colored. dull coal bed. Lower contact is 5 degrees to core axis. undulose. Coal bed 5 degrees to core axis. 239,30 240,45 CSH Dark grav colored coally shale bed with 0.5-25.0 cm thick coal bed. Lower contact is 15 degrees to core axis. 1240,93 240,45 CSH Dark grav colored interhedded coal bed. Lower contact is 15 degrees to core axis. At 240,93 241,92 1.47 CSH Dark grav colored interhedded coal bed. Lower contact is 15 degrees to core axis. At 240,93 242,76 CSH Dark grav colored coally shale, coal bed Lower contact is 10 degrees to core axis. CSH Dark grav colored coally shale, lower contact is 10 degrees to core axis. CSH Dark grav colored coally shale, lower contact is 20 degrees to core axis. CSH Dark grav colored coal bed. Lower contact is 20 degrees to core axis. CSH Lower contact is 10-20 edgrees, to core axis. Dark grav colored, interhedded carbonaceous, coally shale, mudstone with banded 0.5-34.0 cm thick coal bed. CSH Lower contact is 10-20 edgrees, undulose. At 249,02-249,34 m black brown colored coal bed, upper contact is 5-20 degrees undulose. At 249,02-249,34 m black brown colored coal bed, upper contact is 5-20 degrees undulose. At 249,02-249,34 m black brown colored coal bed, upper contact is 5-20 degrees undulose. At 249,02-249,34 m black brown colored coal bed, upper contact is 5-20 degrees undulose. At 249,02-249,34 m black brown colored coal bed, upper contact is 5-20 degrees undulose. At 240,02-249,34 m black brown colored coal bed, upper contact is 5-20 degrees undulose lower contact is 5-20 degrees to core axis. Solver contact is 5-20 degrees to core axis. Degree to core axis. Solver contact is 5-20 degrees to core axis. Degre | | | C MS | Dark gray carbonaceous mudstone. Lower contact is 10 degrees to core axis | 238 30 | 238.65 | 0.85 |
| C Black brown coal bed. Coal bed 0-15 degrees to core axis. Lower contact is 15 degrees to core axis. At 240.93 241.92 1.47 CSH Dark grav colored interbedded coals whale coal bed. Lower contact is 15 degrees to core axis. At 242.72.72.43 10 242.76 C Black brown coal bed. Lower contact is 0 degrees to core axis. CSH Dark grav coalv shale hed. Lower contact is 20 degrees to core axis. CSH Dark grav colored coal w shale. lower contact is 30 degrees to core axis. CSH Dark grav colored coal bed. Lower contact is 30 degrees to core axis. CSH Dark grav colored coal bed. Lower contact is 20 degrees to core axis. CSH Dark grav colored coal bed. Lower contact is 20 degrees to core axis. CSH Lower contact is 10-20 degrees, undulose. At 249.02-249.34 m black brown colored coal bed. Lower contact is 20 degrees undulose. At 249.02-249.34 m black brown colored coal bed, upper contact is 2-246.33 250.99 10 degrees undulose lower contact is 20 degrees mostly, rarely 20 degrees to core axis. Lower contact is 15-20 250.99 252.10 CSH Dark gray colored coal bed. S-10 degrees mostly, rarely 20 degrees to core axis. Lower contact is 5-20 250.99 252.10 CSH Dark gray colored coal bed. Lower contact is 25 degrees to core axis. Lower contact is 15-20 250.99 252.10 CSH Dark gray colored coal bed. S-10 degrees mostly, rarely 20 degrees to core axis. Lower contact is 254.63 CSH Dark gray colored coal bed is 5-15 degrees mostly, rarely 20-25 degrees to core axis. Lower contact is 5 degrees to core axis. At 255.67-256.10 m black brown coal bed. Lower contact is 25 degrees to core axis. CSH Dark gray colored shaly coal bed, is 5-15 degrees mostly, rarely 20-25 degrees to core axis. Lower contact is 15 degrees to core axis. Underson coal bed. Lower contact is 15 degrees to core axis. Lower contact is 15 degrees to core axis. Indulose. C Black brown coal bed. Lower contact is 10 degrees mostly, rarely 20-25 degrees to core axis. Lower contact is 10 degrees to core axis. Lower contact is 15 degrees mostly, rarely 20-25 degrees to c | | | CSH | Black brown colored, dull coal bed. Lower contact is 5 degrees to core axis, undulose, Coal bed 5 degrees to core axis. | 238.65 239.30 | 239.30 | 0.65 |
| CSH Dark gray colored coal bed. Lower contact is 20 degrees to core axis. At 245.00-245.03 m shaly coal bed. CSH Dark gray colored coal bed. Lower contact is 30 degrees to core axis. C Black brown colored coal bed. Lower contact is 20 degrees to core axis. Dark gray colored, interbedded carbonaceous, coaly shale, mudstone with banded 0.5-34.0 cm thick coal bed. Lower contact is 10-20 degrees, undulose. At 249.02-249.34 m black brown colored coal bed, upper contact is 5- 10 degrees undulose lower contact is 20 degrees to core axis. At 249.02-249.34 m black brown coal bed unper contact is 5- 10 degrees undulose lower contact is 20 degrees to core axis. At 249.02-249.34 m black brown coal bed unper contact is 20 degrees to core axis. At 252.87-253.03 m black brown, dull and bright coal bed. 5-10 degrees to core axis. At 252.87-253.03 m black brown coal bed unper contact is 25 degrees to core axis. CSH Dark gray colored, interbedded carbonaceous coally shale, carbonaceous mudstone, coal bed. Lower contact is 5- degrees to core axis. At 255.67-256.10 m black brown coal bed unper contact is 25 degrees to core axis. CSH Dark gray colored shale coal bed is 5-15 degrees mostly, rarely 20-25 degrees, 80 degrees to core axis. Lower contact is 10 degrees to core axis. At 255.67-256.10 m black brown coal bed with 0.5-3.0 cm thick shalv coal, coalv shale bed. C Black brown coal bed. Lower contact is 5-degrees mostly, rarely 20-25 degrees, 80 degrees to core axis. Lower contact is 10 degrees to core axis. SHC Dark gray colored shalv coal bed, lower contact is 10 degrees to core axis, undulose. C Black brown coal bed lower contact is 10 degrees to core axis, undulose. Black brown colored, dull and bright coal seam. Coal seam is 5-15 degrees mostly, rarely 20-25 degrees to core axis. At 25.67.17 262.25 263.23 263.49 Blackbrown colored, dull and bright coal seam. Coal seam is 5-15 degrees mostly, rarely 20-25 degrees to core axis. Lower contact is 10 degrees to core axis, planar. At 267.47-267.55 m black gray shaly co | | | C | Black brown coal bed. Coal bed 0-15 degrees to core axis. Lower contact is 15 degrees to core axis. At 240.93- | 240.45 | 241.92 | 1.47 |
| CSH Dark gray colored coal bed. Lower contact is 20 degrees to core axis. At 245.00-245.03 m shaly coal bed. CSH Dark gray colored coal bed. Lower contact is 30 degrees to core axis. C Black brown colored coal bed. Lower contact is 20 degrees to core axis. Dark gray colored, interbedded carbonaceous, coaly shale, mudstone with banded 0.5-34.0 cm thick coal bed. Lower contact is 10-20 degrees, undulose. At 249.02-249.34 m black brown colored coal bed, upper contact is 5- 10 degrees undulose lower contact is 20 degrees to core axis. At 249.02-249.34 m black brown coal bed unper contact is 5- 10 degrees undulose lower contact is 20 degrees to core axis. At 249.02-249.34 m black brown coal bed unper contact is 20 degrees to core axis. At 252.87-253.03 m black brown, dull and bright coal bed. 5-10 degrees to core axis. At 252.87-253.03 m black brown coal bed unper contact is 25 degrees to core axis. CSH Dark gray colored, interbedded carbonaceous coally shale, carbonaceous mudstone, coal bed. Lower contact is 5- degrees to core axis. At 255.67-256.10 m black brown coal bed unper contact is 25 degrees to core axis. CSH Dark gray colored shale coal bed is 5-15 degrees mostly, rarely 20-25 degrees, 80 degrees to core axis. Lower contact is 10 degrees to core axis. At 255.67-256.10 m black brown coal bed with 0.5-3.0 cm thick shalv coal, coalv shale bed. C Black brown coal bed. Lower contact is 5-degrees mostly, rarely 20-25 degrees, 80 degrees to core axis. Lower contact is 10 degrees to core axis. SHC Dark gray colored shalv coal bed, lower contact is 10 degrees to core axis, undulose. C Black brown coal bed lower contact is 10 degrees to core axis, undulose. Black brown colored, dull and bright coal seam. Coal seam is 5-15 degrees mostly, rarely 20-25 degrees to core axis. At 25.67.17 262.25 263.23 263.49 Blackbrown colored, dull and bright coal seam. Coal seam is 5-15 degrees mostly, rarely 20-25 degrees to core axis. Lower contact is 10 degrees to core axis, planar. At 267.47-267.55 m black gray shaly co | ĺ | 0000000000 | CSH | Black brown coal bed. Lower contact is 0 degrees to core axis. Black brown coal bed. Lower contact is 0 degrees to core axis. | 242.76 | 243.37 | 0.61 |
| CSH Dark gray colored coal bed. Lower contact is 30 degrees to core axis. C Black brown colored coal bed. Lower contact is 20 degrees to core axis. Dark gray colored, interbedded carbonaceous, coaly shale, mudstone with banded 0.5-34.0 cm thick coal bed. Lower contact is 10-20 degrees, undulose. At 249.02-249.34 m black brown colored coal bed, upper contact is 5- 10 degrees indulose lower contact is 20 degrees to core axis. At 249 54-249.88 m black brown coal bed unner C Black brown, dull and bright coal bed. 5-10 degrees mostly. Tarally 20 degrees to core axis. Lower contact is 15-20 Dark gray colored coally, carbonaceous shale. Lower contact is 15 degrees to core axis. At 252.87-253.03 m black brown coal bed unner C Black brown coal bed. Unner contact is 25 degrees to core axis. undulose lower contact is 15 degrees to core axis. C Black brown coal bed. Unner contact is 25 degrees to core axis. undulose lower contact is 20 degrees to core axis. C Black brown coal bed. Over contact is 25 degrees to core axis. C Black brown coal bed. Over contact is 25 degrees to core axis. C Black brown coal bed. Over contact is 25 degrees to core axis. C Black brown coal bed. Over contact is 25 degrees to core axis. C Black brown coal bed. Coal bed is 5-15 degrees mostly, rarely 20-25 degrees to core axis. Lower contact is 10 degrees to core axis. C Black brown coal bed. Coal bed is 5-15 degrees mostly, rarely 20-25 degrees to core axis. Lower contact is 10 degrees to core axis. C Black brown coal bed. Coal bed is 5-15 degrees mostly, rarely 20-25 degrees to core axis. Lower contact is 10 degrees to core axis. Lower contact is 10 degrees to core axis. Lower contact is 10 degrees to core axis, undulose. C Black brown coal bed. Coal bed is 5-15 degrees mostly, rarely 20-25 degrees to core axis. Lower contact is 15 degrees to core axis, undulose. C Black brown colored, dull and bright coal seam. Coal seam is 5-15 degrees mostly, rarely 20-25 degrees to core axis. Coal seam is 5-15 degrees mostly, rarely 20-25 degr | | | | | | | 1.75 |
| C Black brown colored coal bed. Lower contact is 20 degrees to core axis. Dark gray colored, interbedded carbonaceous, coaly shale, carbonaceous mudstone with banded 0.5-34.0 cm thick coal bed. Lower contact is 10-20 degrees, undulose. At 249.02-249.34 m black brown colored coal bed, upper contact is 5- 10 degrees undulose lower contact is 20 degrees to core axis. At 249.54-249.88 m black brown coal bed unner C Black brown, dull and bright coal bed. 5-10 degrees mostly. Tarally 20 degrees to core axis. Lower contact is 15-20 250.99 Dark gray colored coally, carbonaceous shale. Lower contact is 15 degrees to core axis. At 252.87-253.03 m black Dark gray colored, interbedded carbonaceous coally shale, carbonaceous mudstone, coal bed. Lower contact is 5- degrees to core axis. At 255.67-256.10 m black brown coal bed with 0.5-3.0 cm thick shalv coal, coalv shale bed. C Black brown coal bed. Coal bed is 5-15 degrees mostly, rarely 20-25 degrees to core axis. Lower contact is 10 degrees to core axis. SHC Dark gray colored, blower contact is broken. C Black brown coal bed. Lower contact is broken. C Black brown coal bed. Coal bed is 5-15 degrees mostly, rarely 20-25 degrees to core axis. Lower contact is 10 degrees to core axis. SHC Dark gray colored shalv coal bed, lower contact is broken. C Black brown coal bed. Lower contact is broken. Black brown coal bed. Coal bed is 5-15 degrees mostly, rarely 20-25 degrees to core axis. Lower contact is 10 degrees to core axis. SHC Dark gray colored shalv coal bed, lower contact is broken. Black brown coal bed. Coal bed is 5-15 degrees mostly, rarely 20-25 degrees to core axis. Black brown coal bed. Coal bed grees to core axis undulose. C Black brown coal bed. Lower contact is 10 degrees to core axis, undulose. Black brown colored, dull and bright coal seam. Coal seam is 5-15 degrees mostly, rarely 20-25 degrees to core axis. Coal seam is 5-15 degrees mostly, rarely 20-25 degrees to core axis. Coal seam is 5-15 degrees mostly, rarely 20-25 degrees to core axi | | *************************************** | CSH | Dark gray colored coaly shale, lower contact is 30 degrees to core axis. | 245.40 | 245.88 | |
| CSH Lower contact is 10-20 degrees, undulose. At 249.02-249.34 m black brown colored coal bed, upper contact is 5- 10 degrees undulose lower contact is 20 degrees to core axis. At 249.54-249.88 m black brown coal bed unner C Black brown, dull and bright coal bed. 5-10 degrees mostly, carely 20 degrees to core axis. Lower contact is 15-20 CSH Dark gray colored coalty, carbonaceous shale. Lower contact is 15 degrees to core axis. At 252.87-253.03 m black brown coal bed. Innour contact is 25 degrees to core axis. at 252.87-253.03 m black CSH Dark gray colored, interbedded carbonaceous coaly shale, carbonaceous mudstone, coal bed. Lower contact is 25 degrees to core axis. CSH Dark gray colored, interbedded carbonaceous coaly shale, carbonaceous mudstone, coal bed. Lower contact is 5 degrees to core axis. At 255.67-256.10 m black brown coal bed with 0.5-3.0 cm thick shalv coal, coalv shale bed. C Black brown coal bed. Coal bed is 5-15 degrees mostly, rarely 20-25 degrees to core axis. Lower contact is 10 degrees to core axis. CSH Dark gray colored shalv coal bed, lower contact is broken. C Black brown coal bed. Lower contact is 20 degrees to core axis. CSH Dark gray colored shalv coal bed, lower contact is 10 degrees to core axis, undulose. CSH Dark gray colored degrees to core axis, undulose. Blackbrown colored, dull and bright coal seam. Coal seam is 5-15 degrees mostly, rarely 20-25 degrees to core axis. Lower contact is 10 degrees to core axis, planar. At 267.47-267.55 m black gray shaly coal bed, contact is 15 degrees to core axis, planar. At 267.47-267.55 m black gray shaly coal bed, contact is 15 degrees to core axis, planar. At 271.85-271.90 m black gray shaly coal bed, upper contact is broken, lower contact is 0.000 | | | С | Black brown colored coal bed. Lower contact is 20 degrees to core axis. | 245.88 | 246.33 | |
| CSH Dark gray colored coal bed. 5-10 degrees mostly, rarely 20 degrees to core axis. Lower contact is 15-20 259.99 252.10 1.11 CSH Dark gray colored coal bed. Lower contact is 15 degrees to core axis. At 252.87-253.03 m black 252.10 254.63 252.10 254.63 CSH Dark gray colored coal bed. Lower contact is 25 degrees to core axis. undulose lower contact is 20 degrees to core axis. 254.63 254.87 254.87 CSH Dark gray colored, interbedded carbonaceous coaly shale, carbonaceous mudstone, coal bed. Lower contact is 5 degrees to core axis. 254.63 254.87 258.19 CSH Dark gray colored shalv coal bed is 5-15 degrees mostly, rarely 20-25 degrees, 80 degrees to core axis. Lower contact is 10 degrees to core axis. SHC Dark gray colored shalv coal bed, lower contact is broken. C Black brown coal bed, coal bed is 5-15 degrees mostly, rarely 20-25 degrees, 80 degrees to core axis. Lower 261.71 262.25 263.23 0.98 CSH Dark gray colored coaly shale, lower contact is 10 degrees to core axis, undulose. C Black brown coal bed. Blackbrown coal bed, lower contact is 10 degrees to core axis, undulose. C Black brown coal bed. Blackbrown coal bed, lower contact is 10 degrees to core axis, undulose. C Black brown coal bed of lower contact is 10 degrees to core axis, undulose. C Black brown coal bed. Blackbrown colored, dull and bright coal seam is 5-15 degrees mostly, rarely 20-25 degrees to core axis. Lower contact is 10 degrees to core axis, planar. At 267.47-267.55 m black gray shaly coal bed, contact is 15 degrees to core axis, planar. At 271.85-271.90 m black gray shaly coal bed, upper contact is broken, lower contact is 10 degrees to core axis, planar. At 271.85-271.90 m black gray shaly coal bed, upper contact is broken, lower contact is 10 degrees to core axis, planar. At 271.85-271.90 m black gray shaly coal bed, upper contact is broken, lower contact is 10 degrees to core axis, planar. At 271.85-271.90 m black gray shaly coal bed, upper contact is broken, lower contact is 10 degrees to core axis. | | | CSH | Lower contact is 10-20 degrees, undulose. At 249.02-249.34 m black brown colored coal bed, upper contact is 5- | 246.33 | 250.99 | |
| CSH Black brown coal bed. Insere contact is 25. degrees to core axis. undulose lower contact is 20 degrees to core axis. CSH Dark gray colored, interbedded carbonaceous coaly shale, carbonaceous mudstone, coal bed. Lower contact is 5 degrees to core axis. CSH Dark gray colored, interbedded carbonaceous coaly shale, carbonaceous mudstone, coal bed. Lower contact is 5 degrees to core axis. At 255.67-256.10 m black brown coal bed with 0.5-3.0 cm thick shalv coal, coaly shale bed. C Black brown coal bed. Coal bed is 5-15 degrees mostly, rarely 20-25 degrees, 80 degrees to core axis. Lower contact is 10 degrees to core axis. SHC Dark gray colored shalv coal bed, lower contact is broken. C Black brown coal bed clower contact is broken. C Black brown coal bed. Coal bed bed. C Black brown coal bed. Coal bed bed. Black brown coal bed. Coal bed bed. C Black brown coal bed. Coal bed bed. C Black brown coal bed. Jower contact is 10 degrees to core axis. undulose. C Black brown coal bed. Jower contact is 10 degrees to core axis, undulose. C Black brown colored, dull and bright coal seam. Coal seam is 5-15 degrees mostly, rarely 20-25 degrees to core axis. Lower contact is 20 degrees to core axis, planar. At 267.47-267.55 m black gray shaly coal bed, contact is 15 degrees to core axis, planar. At 271.85-271.90 m black gray shaly coal bed, upper contact is broken, lower contact is 0.000 | 8 | *********** | С | 10 degrees, undulose, lower contact is 20 degrees to core axis. At 249 54-249 88 m black brown coal bed, unner Black brown, dull and bright coal bed, 5-10 degrees mostly, rarely 20 degrees to core axis. Lower contact is 15-20 | 250.99 | 252.10 | 1.11 |
| CSH Dark gray colored carbonacous coaly shale, carbonacous mudstone, coal bed. Lower contact is 5 degrees to core axis. At 255.67-256.10 m black brown coal bed with 0.5-3.0 cm thick shalv coal, coalv shale bed. EBlack brown coal bed. Coal bed is 5-15 degrees mostly, rarely 20-25 degrees, 80 degrees to core axis. Lower contact is 10 degrees to core axis. At 255.67-256.10 m black brown coal bed with 0.5-3.0 cm thick shalv coal, coalv shale bed. EBlack brown coal bed. Coal bed is 5-15 degrees mostly, rarely 20-25 degrees, 80 degrees to core axis. Lower contact is 10 degrees to core axis. ESHC Dark gray colored shalv coal bed, lower contact is broken. CBlack brown coal bed lower contact is 10 degrees to core axis. undulose. ESH Dark gray colored coalv shale, lower contact is 10 degrees to core axis, undulose. EBlackbrown colored, dull and bright coal seam. Coal seam is 5-15 degrees mostly, rarely 20-25 degrees to core axis. Lower contact is 20 degrees to core axis, planar. At 267.47-267.55 m black gray shaly coal bed, contact is 15 degrees to core axis, planar. At 271.85-271.90 m black gray shaly coal bed, upper contact is broken, lower contact is 10 degrees to core axis, planar. At 271.85-271.90 m black gray shaly coal bed, upper contact is broken, lower contact is 10 degrees to core axis, planar. | | | | Dark gray colored coaly, carbonaceous shale. Lower contact is 15 degrees to core axis. At 252.87-253.03 m black | | | |
| degrees to core axis. At 255.67-256.10 m black brown coal bed with 0.5-3.0 cm thick shalv coal, coalv shale bed. C Black brown coal bed. Coal bed is 5-15 degrees mostly, rarely 20-25 degrees, 80 degrees to core axis. Lower contact is 10 degrees to core axis. SHC Dark gray colored shalv coal bed, lower contact is broken. C Black brown coal bed lower contact is 20 degrees to core axis. undulose. CSH Dark gray colored coalv shale, lower contact is 10 degrees to core axis, undulose. CSH Dark gray colored coalv shale, lower contact is 10 degrees to core axis, undulose. Blackbrown colored, dull and bright coal seam. Coal seam is 5-15 degrees mostly, rarely 20-25 degrees to core axis. Lower contact is 20 degrees to core axis, planar. At 267.47-267.55 m black gray shaly coal bed, contact is 15 degrees to core axis, planar. At 271.85-271.90 m black gray shaly coal bed, upper contact is broken, lower contact is 0 degrees, planar. | | | С | Black brown coal bed, lower contact is 25 degrees to core axis. | 254.63 | 254.87 | |
| contact is 10 degrees to core axis. SHC Dark gray colored shaly coal bed, lower contact is broken. C Black brown coal bed lower contact is 20 degrees to core axis. undulose 262.25 263.23 0.98 CSH Dark gray colored coaly shale, lower contact is 10 degrees to core axis, undulose. 263.23 263.49 Blackbrown colored, dull and bright coal seam. Coal seam is 5-15 degrees mostly, rarely 20-25 degrees to core axis. Lower contact is 20 degrees to core axis. Lower contact is 20 degrees to core axis, planar. At 267.47-267.55 m black gray shaly coal bed, contact is 15 degrees to core axis, planar. At 271.85-271.90 m black gray shaly coal bed, upper contact is broken, lower contact is 0 degrees, planar. | | | CSH | degrees to core axis. At 255.67-256.10 m black brown coal bed with 0.5-3.0 cm thick shalv coal, coaly shale bed. | 254.87 | 258.19 | 2.52 |
| SHC Dark gray colored shaly coal bed, lower contact is broken. C. Black brown coal bed lower contact is 20 degrees to core axis. undulose 263.23 263.23 0.98 CSH Dark gray colored coaly shale, lower contact is 10 degrees to core axis, undulose. 263.23 263.49 Blackbrown colored, dull and bright coal seam. Coal seam is 5-15 degrees mostly, rarely 20-25 degrees to core axis. Lower contact is 20 degrees to core axis, planar. At 267.47-267.55 m black gray shaly coal bed, contact is 15 degrees to core axis, planar. At 271.85-271.90 m black gray shaly coal bed, upper contact is broken, lower contact is 0 degrees, planar. | | | С | | 258.19 | 261.71 | 5.52 |
| CSH Dark gray colored coaly shale, lower contact is 10 degrees to core axis, undulose. Blackbrown colored, dull and bright coal seam. Coal seam is 5-15 degrees mostly, rarely 20-25 degrees to core axis. Lower contact is 20 degrees to core axis, planar. At 267.47-267.55 m black gray shaly coal bed, contact is 15 degrees to core axis, planar. At 271.85-271.90 m black gray shaly coal bed, upper contact is broken, lower contact is 0 degrees, planar. | | *************************************** | SHC | Dark gray colored shaly coal bed, lower contact is broken. | | 262.25 | 0.00 |
| Blackbrown colored, dull and bright coal seam. Coal seam is 5-15 degrees mostly, rarely 20-25 degrees to core axis. Lower contact is 20 degrees to core axis, planar. At 267.47-267.55 m black gray shaly coal bed, contact is 15 degrees to core axis, planar. At 271.85-271.90 m black gray shaly coal bed, upper contact is broken, lower contact is 0 degrees, planar. | 550 | *************************************** | CSH | Black brown coal bed, lower contact is 20 degrees to core axis, undulose. Dark gray colored coaly shale, lower contact is 10 degrees to core axis, undulose. | | | 0.98 |
| degrees to core axis, planar. At 271.85-271.90 m black gray shaly coal bed, upper contact is broken, lower contact is 0 degrees, planar. | | | | Blackbrown colored, dull and bright coal seam. Coal seam is 5-15 degrees mostly, rarely 20-25 degrees to core | | | 9.68 |
| | | | | | 203.49 | 2/3.1/ | 0.00 |
| | 9 | | CSH | · · · | 273.17 | 274.92 | |

| | | С | Black brown coal seam. Coal seam is 15-20 degrees to core axis. At 279.65-279.72 m black gray, black brown colored shaly coal bed. At 279.95-280.00 m black gray, black brown colored shaly coal bed. | 274.92 | 281.86 | 6.94 |
|--------|-----------------|-------|---|----------|--------|------|
| | | CSH | Dark gray and black gray colored, interbedded carbonaceous coaly shale and carbonaceous mudstone bed. Bottom of mudstone. Lower contact is broken. | 281.86 | 293.75 | |
| | | C | Black brown colored, dull coal bed. Lower contact is 20 degrees to core axis. | 293.75 | 295.01 | 1.26 |
| 88888 | ******* <u></u> | CSH | Black, dark gray colored coaly shale bed with 0.5-3.0 cm thick coal bed. Lower contact is 10-20 degrees to core | 295.01 | 295.85 | |
| - 8 | | SHC | Dark gray to black gray colored, interbedded shale coal, coal bed. Coal bed is 5.0-10.0 cm thick. No sample. Lower contact is 0-10 degrees, undulose. | 295.85 | 298.55 | |
| | | С | Black brown coal bed. Lower contact is 15 degrees to core axis, undulose. | 298.55 | 299.31 | 0.76 |
| 20000 | | CSH | Dark gray to gray colored coaly shale and mudstone bed. Top /15 cm/ of coaly shale. Lower contact 30 degrees. | 299.31 | 299.61 | |
| | | C | Black brown coal bed. Lower contact is 0 degrees to core axis, planar. | 299.61 | 300.52 | 0.91 |
| | | MS | Dark gray, gray colored mudstone bed. Lower contact is 40 degrees to core axis. | 300.52 | 302.33 | |
| | | С | Black brown coal bed. Lower contact is 15 degrees to core axis, undulose. | 302.33 | 303.58 | 1.25 |
| 100000 | *********** | CSH | Dark gray colored coaly, carbonaceous shale bed. Lower contact is 20 degrees to core axis. At 305.15-305.20 m | 303.58 | 304.99 | |
| | | SS-FG | Gray colored, fine grained, well sorted sandstone bed with mudstone bed. Lower contact is broken. | 304.99 | 310.90 | |
| | | MS | Dark gray colored carbonaceous sandy mudstone bed with 0.5-4.0 cm thick coal bed. At 312.55-312.59 m black brown coal bed. | 310.90 | 313.55 | |
| | | С | Black brown colored coal bed with shaly coal bed. Lower contact is broken. | 313.55 | 314.00 | |
| 10000 | 1000000 | SS | Dark gray colored sandstone bed. At 315.10-315.60 m dark gray colored mudstone bed. Lower contact is 20 | 314.00 | 315.60 | |
| | | C-SHC | Dark brown colored coal with shaly coal, 1.0-3.0 cm thick shale bed. Lower contact is 20 degrees to core axis. | 315.60 | 317.15 | 1.55 |
| 317.2 | 3000000 | SS | Dark gray colored carbonaceous sandstone with coal debris. Lower contact is 5 degrees to core axis. | 317.15 | 317.80 | |
| | | MS | Dark gray colored mudstone with shale bed and 0.1-0.4 cm thick coal debris. At 317.95-318.10 m shale bed. | 317.80 | 318.15 | |
| | | С | Dark brown colored coal bed. Lower contact is 30 degrees to core axis, planar. | 318.15 | 318.40 | |
| | | MS | Dark brown colored mudstone and coaly shale bed. Lower contact is 5 degrees, planar | 318.40 | 318.85 | |
| 00000 | 0000000 | SS | Dark gray colored sandstone with carbonaceous sandstone bed and 0.2-0.4 cm thick coal debris. | 318.85 | 319.35 | |
| | | С | Dark brown colored coal bed. Lower contact is 10 degrees to core axis, planar. | 319.35 | 319.95 | |
| | | MS | Dark gray colored mudstone with 0.3-0.7 cm coal seam. Lower contact is 30 degrees, planar. | 319.95 | 320.90 | |
| | | SS | Light gray colored sandstone with carbonaceous sandstone. Lower contact is 15 degrees to core axis, planar. End of hole | 320.90 | 323.00 | |
| • | | | T | 1 41 1 1 | | |

Total coal thickness

36.63