

25 January 2013

The Manager
Australian Securities Exchange
Company Announcements Office
Level 4/20 Bridge Street
SYDNEY NSW 2000

Dear Sir

## RE: DAILY DRILLING REPORT FOR CYRENE-1 IN EP 438, CANNING BASIN, WESTERN AUSTRALIA FOR THE PERIOD 0600 HOURS 24 JANURY 2013 TO 0600 HOURS 25 JANUARY 2013

Please find details of the drilling activities of Cyrene-1 attached.

#### Update as of 0600 hrs 25 January 2013:

At 0600 hrs 25 January 2013 drilling had reached a depth of 680 metres RT with background gas increasing to 0.1 units. Drilling is currently continuing through the Grant Formation in 8 ½" hole.

#### EP438 Participants after drilling of Cyrene-1:

7.5%
7.5%
0.0%
5.0%

Regards

**KANE MARSHALL**Managing Director

**KEY PETROLEUM LIMITED** 



#### **ASX AND MEDIA ANNOUNCEMENT**

25 January 2013

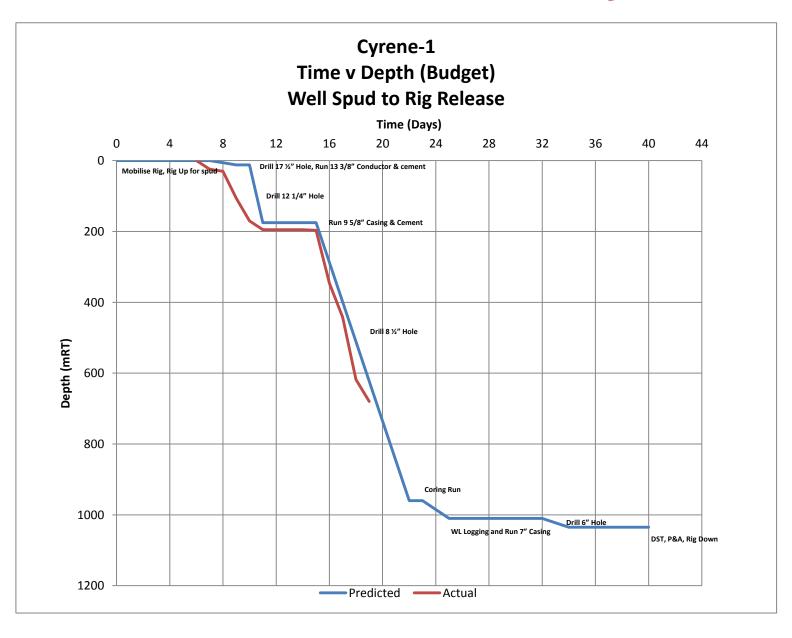
# CYRENE-1 PETROLEUM EXPLORATION WELL EP 438 - WESTERN AUSTRALIA

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1.	Well Name/Permit:	Cyrene-1 EP438 - Western Australia					
2.	The Report is for the Period:	0600 – 24 January 2013 to 0600 - 25 January 2013					
3.	This ASX Release Time and Date:	1000 – 25 January 2012					
4.	Report No:	Five					
5.	Spud Date/DCA Rig #7:	21 January 2013					
6.	Days since Spud:	Four					
7.	Locations of the Well:	Latitude: 18° 16' 34.5"S		Longit	ude: 122° 24' 05.1"E		
8.	Elevation:	GL		47m	n		
		RT from GL (MSL)		3.1m	า		
		RT to GL	50.1m				
9.	Proposed Total Depth:	1060 metres TVD	D				
10.	Targets:	Primary: Goldwyer Formation					
		Secondary: Willara Formation					
11.	Present Depth:	680metres RT as of 0600	) hours 2	urs 23 January 2013			
12.	Geological Summary:		Forma	ation Tops (m RT):			
			Prognosed		Actual	Difference	
		Wallal Sandstone	295m		295m	-	
		Grant Formation	490m		490m	-	
		Goldwyer Formation	900m				
		Willara Formation	1035m				
		l .					



13.	Hydrocarbon Indications:	Background gas has increased to 0.1 units.				
14.	Operations since last Report:	Drilled 62 metres to depth of 680 metres RT				
15.	Current Operations:	Drilling ahead through the Grant Formation in 8 ½" hole.				
16.	Future Operations:	Drill ahead in 8 1/2" hole to coring point in Goldwyer				
17.	Prospect Description:	The first reservoir target of the Cyrene 1 well is the Goldwyer unit, an argillaceous unit of some 135m thickness. This is regarded as an 'unconventional' reservoir with potential to establish prospectivity over a very large area of the Broome Platform and beyond. The qualities of the Goldwyer which support this concept, apart from thickness and broad distribution, include organic contents frequently averaging 1.5-2% but ranging up to 4% or more, and a high calcareous content which implies favourable fracture characteristics.  The second reservoir target of the well, the 'cavernous' limestones of the Willara Formation, was confirmed by the substantial lost circulation zones encountered in Hedonia 1.				
18.	Participants in the Well:	Key Petroleum Ltd (Gulliver Productions Pty Ltd) (Operator)	20.0%			
		Buru Energy Limited	37.5%			
		Mitsubishi Corporation (Diamond Resources (Canning) Pty Ltd)	37.5%			
		Indigo Oil Pty Ltd	5.0%			







## DCA rig personnel preparing to drill



## **Key Petroleum Ltd**



Cyrene-1 (orange prospect) is located 100km south of Broome in the northern part of EP 438 (yellow blocks)

