

**DAILY GEOLOGICAL REPORT**DATE: 29 Nov 2011
REPORT NO.: 11
(associated DDR # 11)**WELL: Surprise 1**

RIG	Hunt Rig #3	RIG TYPE	Land
COMPLETION TYPE		TARGET	Stairway Sandstone, Pacoota Sandstone
Depth at Midnight (MD)	2,584.0 m	SPUD DATE	
DAYS SINCE SPUD	0.00 (Days on well: 10.29)	LAST CASING	9.625 in @ 1,450.00 m MD
PRESENT DEPTH MD	2,731.5 m	BACKGROUND GAS	15.00 Unit @ 2,651.0 m
24 Hr Progress	73.00 m	MAX GAS	43.00 Unit @ 2,655.0 m
AVERAGE ROP	4.80 m/h	ECD	
Operations Status @ 0600hrs	Drill ahead in Pacoota Sandstone from 2731.5m to 2750m TD.	ESTIMATED PORE PRESSURE	
PROGNOSSED TD	2,750.0m MD TVD		

Well Details

Latitude:	23.00° 42.00" 50.76' South	UTM(N/S):	7377073N m N	RT - MSL:	3.66 m RT GL
Longitude:	129.00° 59.00" 36.09' East	UTM(E/W):	601261E m E	GL Elevation:	545.0 m

Operations Summary and General Remarks

OPERATION SUMMARY:	Drilling ahead through Pacoota Sandstone at 2723m.
LITHOLOGY SUMMARY:	Sandstones and trace claystones of the Pacoota Sandstone P1 and P1-280 Unit. No shows were observed. Geoservices FID checked, calibrated, and fully operational.
HYDROCARBON SHOWS:	Nil.
NEXT OPERATION:	Drill Pacoota P1 and P1-280 sands to projected TD of 2750m.

Lithology Summary

Interval MDBRT (m) From To	Lithology	%	Description
2,650.00 - 2,723.00	Pacoota Sandstone	Sandstone: 75-95%, Claystone: 5-25%	Sandstone. 2650m - 2673m: SANDSTONE:Clr-trnsl, occ lt gy, f-m, m hd, predom sbrnd, occ rnd, tr rnd, suc, w srt, predom aggs of vf-f sbrnd sst w/ sil and tr calc and dol cmt, occ fri-lse, tr pyr, tr glauc, tr kaol after feld and grnte, pr inf por, no show. 2673m - 2723m: SANDSTONE: clr-v lt blu-v lt gy, transl-rr opq, vf-crs, subang-rnd, med-hi sphericity, occ f-m aggs, w/ lse m-crs qtz grs, wk sil cmt, tr kaol mtx in aggs, tr calc cmt, tr brn micas, tr lith frags, tr qtz ogrth, tr feld, tr kaol, poor inf/vis poroperm, no show. 2650m - 2673m: CLAYSTONE: Lt gy - d gy, gy grn, tr rd brn-d rd-brn, hd, occ m hd, predom sbblky, occ blky-sbfss, tr micmic, tr pyr. 2673m-2723m: CLAYSTONE : brn gy-med gy, hd, blky-subfiss, well indurated, micmic, sli-non calc, tr brn mica lams.

Gas Readings

Depth (m)	Total Gas (Units)	BGG (Units)	C1 (ppm)	%C1 (%)	C2 (ppm)	%C2 (%)	C3 (ppm)	%C3 (%)	iC4 (ppm)	%iC4 (%)	nC4 (ppm)	%nC4 (%)	iC5 (ppm)	%iC5 (%)	nC5 (ppm)	%nC5 (%)	He (ppm)	Hydrocarbons (ppm)
2,650.00	41.000	17.00	67 - 2,982	30.00	36 - 1,668	19.00	38 - 1,512	20.00	0 - 247	4.00	28 - 907	13.00	14 - 297	5.00	26 - 558	9.00		
Gas Type Drilled			Comment- Whilst drilling through Pacoota Sandstone.															
2,723.00			-		-		-		-		-		-		-			
Gas Type Drilled			Comment- Drilling ahead in the Pacoota.															

Prognosis and Preliminary Correlation

Top	Actual Depth (3.66 m RT GL)			Prognosis	H/L	Pick Criteria	Remarks
	MD	TVD	TVD(GL)	MD			
Undiff Pertinjarra	778.46	778.46	774.80	758.46	20.0 L		
Parkes	1,294.46	1,294.46	1,290.80	1,302.46	8.0 H	Lith	Lithology change
Mereenie Fm	1,766.46	1,766.46	1,762.80	1,782.46	16.0 H	ROP	ROP and Lithology Change



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Top	Actual Depth (3.66 m RT GL)			Prognosis	H/L	Pick Criteria	Remarks
	MD	TVD	TVD(GL)	MD			
Stokes	2,280.46	2,280.46	2,276.80	2,449.46	169.0 H	Lith	Lithology Change
Stairway FM	2,448.46	2,448.46	2,444.80	2,579.46	131.0 H	Lith	Lithology Change
Horn Valley Siltstone	2,583.00	2,583.00	2,579.34	2,654.46	71.5 H	Lith	Lithology Change

Well Geologist

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