

**DAILY GEOLOGICAL REPORT**DATE: 28 Nov 2011
REPORT NO.: 10
(associated DDR # 10)**WELL: Surprise 1**

RIG	Hunt Rig #3	RIG TYPE	Land
COMPLETION TYPE		TARGET	Stairway Sandstone, Pacoota Sandstone
Depth at Midnight (MD)	2,650.0 m	SPUD DATE	
DAYS SINCE SPUD	0.00 (Days on well: 9.29)	LAST CASING	9.625 in @ 1,450.00 m MD
PRESENT DEPTH MD	2,672.0 m	BACKGROUND GAS	0.00 Unit
24 Hr Progress	66.00 m	MAX GAS	0.00 Unit
AVERAGE ROP	4.50 m/h	ECD	
Operations Status @ 0600hrs	Drill ahead through Pacoota at 2672m.	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:	
LITHOLOGY SUMMARY:	
HYDROCARBON SHOWS:	
NEXT OPERATION:	Drill ahead through Pacoota from 2672m to TD.

Lithology Summary

Interval MDBRT (m) From To	Lithology	%	Description
	Horn Valley SLTST	Claystone: 20-100%, Siltstone: Tr-40%, Sandstone: Tr-20%, Limestone: Tr-40%	Claystone: M gy-d gy, cmn rd-brn, tr grn-gy, occ blk, firm-hd, occ v hd, predom sbblcky, occ sbfss, r fss, silty i/p, tr nod pyr, tr micxln diss pyr, tr micmic. Siltstone: rm-wh-lt gy, gy, arg sli-mod calc, comm vf qtz inclus, tr pyr nods, firm, grdg to Claystone a/a. Limestone: off wh-lt gy-v pl brn, frm-occ brit, silty, micxln-xln, comm aren & carb inclus, dolomitic i/p, no vis por. Sandstone: clr-v lt gy-off wh, vf-f subrnd aggs w/sil cmt, tr calc cmt, fri-occ lse grs, poor inf por, no show
	Pacoota Sandstone	Sandstone: 55-90%, Claystone: 5-30%, Limestone: Tr-10%	SST: Clr-trnsl, occ lt gy, f-m, mhd, 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, ns. CLYST: Lt gy - d gy, gy grn, tr rd brn-d rd-brn, hd, occ m hd, predom sbblky, occ sbfss, tr micmic, tr pyr LST: Clr-trnsl, lt gy, occ m gy, tr grn gy, r pnk, m hd, calstilitic, micxln, por inf por, ns

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)
2,585.00	43.000	25.00	257 - 2,907	30.00	308 - 2,614	21.00	374 - 1,714	20.00	72 - 653	4.00	293 - 902	12.00	98 - 296	4.00	203 - 562	9.00		
Gas Type	Drilled		Comment- Whilst drilling HVS.															
2,631.00	39.000	18.00	354 - 2,466	24.00	245 - 1,367	17.00	281 - 1,170	21.00	56 - 189	4.00	213 - 749	16.00	83 - 310	6.00	169 - 582	12.00		
Gas Type	Drilled		Comment- Top of Pacoota.															
2,631.00			-		-		-		-		-		-		-			
Gas Type	Drilled		Comment- Base of HVS.															
2,650.00			-		-		-		-		-		-		-			
Gas Type	Drilled		Comment- Drilling ahead in Pacoota.															



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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
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	2,556.40	2,556.20	2,552.74	2,654.46	98.1 H	Lith	Lithology Change

Well Geologist

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