



# DRILLING MORNING REPORT # 40

## Surprise 1 Re-entry H

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Date:	28 Dec 2011	Day Wellsite Representative:	Ray C. Miller	Rig Manager:	Charles Naja.
Report Number:	40	Night Wellsite Representative:	Dalton Halgren	Drilling Company:	Hunt Energy
Latitude (South):	23.00 ° 42.00 ' 50.76 "	Longitude (East):	129.00 ° 59.00 ' 36.09 "	Wellsite Geologist:	Lindsay Cullen

### Well Details

Country:	Australia	Current Hole Size:	6.000 in	Casing OD:	7.000 in	AFE Number:	8053
Field:	Surprise	Measured Depth:	2,696.0 m	Casing MD:	2,426.00 m	Original AFE:	AUD 9,833,315
Rig:	Hunt Rig #3	True Vertical Depth:	2,541.1 m	Casing TVD:	m	Supp. AFE No:	
Ground Level:	545.0 m	24 Hr Progress:	81.00 m	TOL MD:	m	Orig. & Sup. AFE:	AUD 9,833,315
RT to GL:	3.66 m	Days On Well:	39.29	TOL TVD:	m	Daily Cost:	AUD 81,503
Planned TD (MD):	3,330.0 m	Days Since Spud:	0.00	Liner Shoe MD:	m	Cum. Cost:	AUD 6,967,829
Planned TD (TVD):	2,551.0 m	Last BOP Date:	24 Dec 2011	Liner Shoe TVD:	m	Last LTI Date:	10 Dec 2010
		FIT/LOT:	11.50 ppg / ppg			Days Since Last LTI:	384

Current Op @ 0600: Sliding/rotating from 2714 meters.

Planned Op: Drill ahead from 2714 meters.

### Summary of Period 0000 to 2400 Hrs

Drilled to 2644 meters. Serviced the Rig. Drilled sliding/rotating to 2681m (2541.32m TVD). Replaced Swivel Packing Element. Drilled sliding/rotating to 2696m (2541.14m TVD).

### HSE Summary

Events	Num. Events	Date Of Last	Days Lapsed	Description	Remarks
Audit	1	28 Dec 2011 00:00	1.00	Continue with close outs of non conformities identified in recent audits.	
Permit To Work	3	28 Dec 2011 00:00	1.00	3 x permits issued, 1 x slip & cut drilling line, 1 x burning rubbish, 1 x used of high pressure wash down gun.	
Pre-Tour Safety Meeting	2	28 Dec 2011 00:00	1.00	Pre tour safety meetings held with all on coming crew and third party personnel.	
Accident/incident/near miss	0	28 Dec 2011 00:00	1.00	No accidents, incidents or near misses raised in the past 24hrs.	

### Operations for Period 0000 Hrs to 2400 Hrs on 28 Dec 2011

PHSE	CLS (RC)	OP	From	To	Hrs	Depth	Activity Description
PH	P	DA	00:00	09:30	9.50	2,644.0 m	Drill Ahead f/ 2615m - 2644m - Sliding 4-8m/hr - connection gases are averaging twice background
PH	P	RS	09:30	10:00	0.50	2,644.0 m	Serviced the Rig.
PH	P	CDD	10:00	17:00	7.00	2,681.0 m	Continued drilling from 2644 to 2681 meters. (Sliding as necessary to maintain direction) connection gases avg. at least twice background. Have had peaks of up to 1000u
PH	TP (RE)	RR	17:00	19:30	2.50	2,681.0 m	Kelly Down and M/U Circ head to circ. hole while replacing Swivel Packing Element.
PH	P	DA	19:30	24:00	4.50	2,696.0 m	Continued drilling from 2681 to 2696 meters. (Sliding as necessary to maintain direction) connection gases are on avg. three to four times background.

### Operations for Period 0000 Hrs to 0600 Hrs on 29 Dec 2011

PHSE	CLS (RC)	OP	From	To	Hrs	Depth	Activity Description
PHx	P	DA	00:00	06:00	6.00	2,714.0 m	Continued drilling from 2696 to 2714 meters. (Sliding as necessary to maintain direction & angle) connection gases are on avg. three to four times background. We are still seeing pinpoint oil breaking out in possum belly.

### Performance Summary

Daily								Cumulative Well								
P		NPT		SCC		NSC		P		NPT		SCC		NSC		Total
Hrs	%	Hrs	%	Hrs	%	Hrs	%	Hrs	%	Hrs	%	Hrs	%	Hrs	%	Hours
21.5	89.6	2.5	10.4	0.00	0.0	0.00	0.0	148.5	88.4	19.5	11.6	0.00	0.0	0.00	0.0	168



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### General Comments for Period 0000 Hrs to 2400 Hrs on 28 Dec 2011

Category	Comments
General Comment	Mud Products used: 1 only X-Gum

### WBM Data

### Cost Today AUD

Mud Desc.:	Brine	Viscosity:	25 s/L	Solids:	%	Low Range Rheology
Check Depth:	2,593.0 m	PV:	cP	H2O:	%	
Time:	16:00	YP:	lbf/100ft <sup>2</sup>	Oil:	%	RPM
Weight:	8.50 ppG/1.02 sg	Gel 10s/10m:	lbf/100ft <sup>2</sup> /lbf/100ft <sup>2</sup>	Sand:	%	Reading
Temperature:	°C	API FL:	cc/30min	Barite:	lbm/bbl	
Cl (in whole mud):	mg/L	Filter Cake:	/32nd"	KCl:	%	
Cl (in water phase):	mg/L	HTHP-FL:	cc/30min	Pm:		
Ca Hard:	mg/L	HTHP-Cake:	/32nd"	Pf/Mf:	/	
MBT:	lbm/bbl			pH:		
				PHPA:	ppb	

Comment:

### Pumps

Pump Data - Last 24 Hrs									Slow Pump Data	
No.	Type	Liner (in)	SPM	Eff. (%)	Flow (galUS/min)	SPP (psi)	Depth (m)	MW (ppg)	SPM	SPP ()
1	TSM 500 Duplex									
2	TFI 500 Triplex	5.00	112	96.00	216	1,430		8.50		
3	F800									

Bit #3	Wear	I	O1	D	L	B	G	O2	R
Size:	152.4 mm (6")	IADC#:	637Y	Nozzles					
Manufacturer:	SMITH	TFA:	0.589 in <sup>2</sup>						
Type:		Date In:	#38 (26 Dec 2011)						
Serial No:	PS5080	Date Out:							
Bit Model:	XR40Y	Depth In:	2,593.1 m	3 x 16/32nd"					
		Depth Out:	m						

Bit run comment:

Bit wear comment:

### Bit Performance

Duration:	16.2 h	Progress:	81.00 m	ROP:	5.00 m/h
Total Duration:	22.1 h	Total Progress:	108.40 m	ROP (Avg):	4.90 m/h

### Directional Data

Slide Time:	8.3 h	Rotate Time:	9.8 h	Circ. Time:	2.5 h
Slide (%):	33 %	Rotate (%):	%	Circ. (%):	%
Total Slide Time:	14.8 h	Total Rotate Time:	9.8 h	Total Circ. Time:	2.5 h
Total KRevs:	113 revs	HSI:	hp/in <sup>2</sup>		



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BHA # 3			
BHA Type:	Steerable Assembly.	Total Weight Wet:	klbs
Date In:	#38 (26 Dec 2011)	Weight Below Jar Wet:	klbs
Date Out:			
Depth In:	2,593.1 m		
Depth Out:	m		
Total Length:	1,104.43 m		

<b>BHA Description:</b>	Steerable Assembly.
<b>BHA Run Comment:</b>	

BHA Daily Summary			
Pickup Weight:	125.00 klbs	Torque (max):	ft.lbf
Slack-Off Weight:	100.00 klbs	Torque (avg):	N.m
String Weight:	120.00 klbs	Torque (min):	N.m
Jars Hours Logged:	0.00 h	D.C. (1) Ann Velocity:	120 m/min
		D.C. (2) Ann Velocity:	120 m/min
		H.W.D.P. Ann. Velocity:	68 m/min
		D.P. Ann. Velocity:	68 m/min

### Summary:

BHA Component							
#	Equipment	Description	Length (m)	OD (in)	ID	Serial #	Hours
1	Bit	Insert	0.20	152.40		PS5080	
2	MWD	PZIG LXM	0.81	120.65	1.69	Z47A119K	
3	Motor		6.96	130.18		4257	
4	Float Sub		1.08	120.65	54.61	D47F035A	
5	MWD Tool		2.15	120.65	1.69	Z47M069K	
6	Crossover		0.35	120.65	54.61	D47X153T	
7	MWD Tool		8.78	120.65	69.85	D47C425D	
8	NMDC		9.31	120.65	69.85	D47C113C	
9	3 1/2 DP		906.23	88.90	70.20		
10	3 1/2" HWDP		186.56	120.65	52.40		

### Drilling Parameters

BHA Run #3			
Top Depth:	2,614.0 m		
Bottom Depth:	2,696.0 m		
	Min	Avg	Max
WOB (klbs)	8.00	23.30	51.20
Surface RPM	438	1,430	1,753
Downhole RPM	57	113	134
Torque (ft.lbf)	0	0	0
SPM	57	112	134
Flow (gpm)	110	216	257
SPP (psi)	438	1,430	1,753

### Survey

MD. (m)	Incl. (°)	Corr. Az (°)	TVD (m)	'V' Sect (m)	Dogleg (deg/30m)	N/S (m)	E/W (m)	Tool Type
2,656.40	91.28	149.07	2,542.04	226.46	4.11	-121.7	200.9	MWD
2,666.00	91.80	148.83	2,541.78	235.83	1.79	-129.9	205.9	MWD
2,675.70	91.45	148.32	2,541.51	245.32	1.91	-138.2	210.9	MWD
2,684.60	90.92	148.12	2,541.32	254.03	1.91	-145.7	215.6	MWD
2,694.00	91.36	147.97	2,541.14	263.25	1.48	-153.7	220.6	MWD
Comments								

### Formation Tops

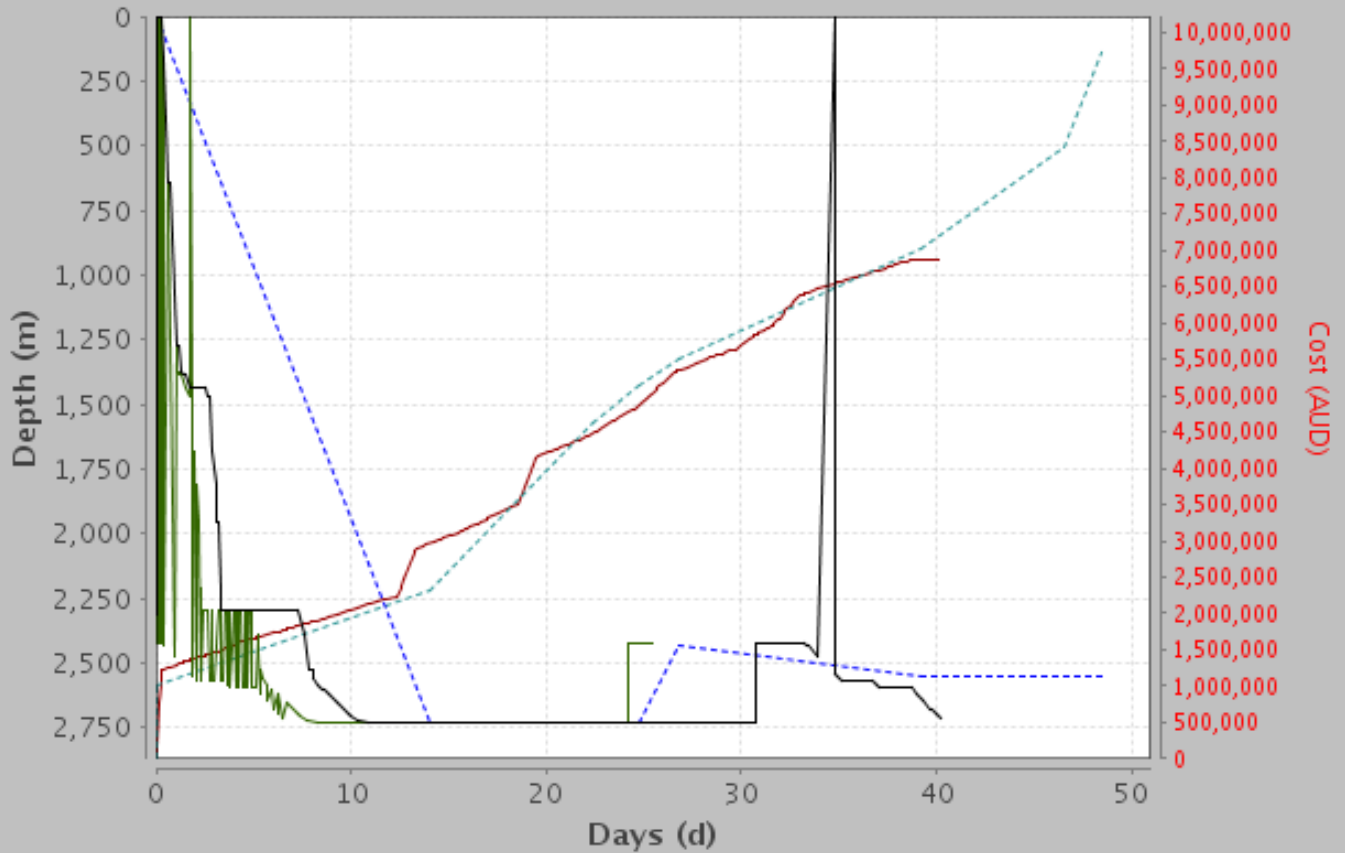
Name	Top (m)
Stokes	2,275.00
Stairway FM	2,447.00
Horn Valley Siltstone	2,561.00
Pacoota Sst	2,613.00

**Rig Stocks**

Name	Unit	Start Amount	Previous Balance	In	Used	Adjust	Balance
Diesel Fuel – Rig (Litre)	Litre		59,160.0	0	1,660	0	57,500.0

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### Progress Vs. Planned



— Actual Day/Depth — Productive Time/Depth - - - Planned/P50 Curve - - - Planned Cost Curve  
 — Actual Cost