



DRILLING MORNING REPORT # 42

Surprise 1 Re-entry H

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Date:	30 Dec 2011	Day Wellsite Representative:	Ray C. Miller	Rig Manager:	Charles Naja.
Report Number:	42	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:	2,778.0 m	Casing MD:	2,426.00 m	Original AFE:	AUD 9,833,315
Rig:	Hunt Rig #3	True Vertical Depth:	2,535.7 m	Casing TVD:	m	Supp. AFE No:	
Ground Level:	545.0 m	24 Hr Progress:	82.00 m	TOL MD:	m	Orig. & Sup. AFE:	AUD 9,833,315
RT to GL:	3.66 m	Days On Well:	41.29	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 7,130,685
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:	386
Current Op @ 0600:	Drilling ahead from 2797m						
Planned Op:	Drill ahead.						

Summary of Period 0000 to 2400 Hrs

POOH changed Bit & Motor, picked up new NB Gamma, surfaced tested tools and RIH. Washed/Reamed tight spots on the way in the hole. Reamed Isat 96 meters to bottom. Drilled to 2778 meters.

HSE Summary

Events	Num. Events	Date Of Last	Days Lapsed	Description	Remarks
Audit	1	30 Dec 2011 00:00	1.00	Continue with close outs to non conformities highlighted in audits.	
Permit To Work	2	30 Dec 2011 00:00	1.00	2 permits issued for hot work.	
Pre-Tour Safety Meeting	2	30 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	30 Dec 2011 00:00	1.00	No accidents, incidents or environmental issues raised in the past 24hrs.	

Operations for Period 0000 Hrs to 2400 Hrs on 30 Dec 2011

PHSE	CLS (RC)	OP	From	To	Hrs	Depth	Activity Description
PH	TP (DHM)	TO	00:00	05:30	5.50	2,764.0 m	POOH to check the Motor and Bit.
PH	TP (DHM)	HBH	05:30	09:30	4.00	2,764.0 m	POOH W/ BHA. Changed the Bit and changed out the motor. Made up new BHA with Gamma Ray tool. Tested MWD tools and Motor.
PH	TP (DHM)	TI	09:30	15:30	6.00	2,764.0 m	Ran in the hole with the new BHA. Continued running in the hole to 2534 meters.
PH	TP (DHM)	RW	15:30	17:30	2.00	2,764.0 m	Picked up the Kelly and washed and reamed the tight spot, encountered on the way out of the hole, from 2524m to 2567m.
PH	TP (DHM)	TI	17:30	18:30	1.00	2,764.0 m	Racked the Kelly and ran in the hole from 2567 meters to 2668 meters. (Had to re-orient tool face to get past dog leg at 2578 meters).
PH	TP (DHM)	RW	18:30	20:30	2.00	2,764.0 m	Picked up the Kelly and washed/reamed from 2668m to bottom at 2764. (Gas peaked at 149 % at bottoms up.)
PH	P	DM	20:30	24:00	3.50	2,778.0 m	Drilled sliding/rotating from 2764m to 2778m. Background gas = 34 units.

Operations for Period 0000 Hrs to 0600 Hrs on 31 Dec 2011

PHSE	CLS (RC)	OP	From	To	Hrs	Depth	Activity Description
PHx	P	DM	00:00	06:00	6.00	2,798.0 m	Drilled sliding/rotating from 2778 to 2798 meters.

Performance Summary

Daily								Cumulative Well								
P		NPT		SCC		NSC		P		NPT		SCC		NSC		Total
Hrs	%	Hrs	%	Hrs	%	Hrs	%	Hrs	%	Hrs	%	Hrs	%	Hrs	%	Hours
3.5	14.6	20.5	85.4	0.00	0.0	0.00	0.0	171	79.2	45	20.8	0.00	0.0	0.00	0.0	216



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General Comments for Period 0000 Hrs to 2400 Hrs on 30 Dec 2011

Category	Comments
General Comment	Mud Products used: KCL=10: Sodium Sulphite=2

WBM Data

Cost Today AUD

Mud Desc.:	Brine	Viscosity:	25 s/L	Solids:	%	Low Range Rheology
Check Depth:	2,764.0 m	PV:	cP	H2O:	%	
Time:	16:00	YP:	lbf/100ft²	Oil:	%	RPM
Weight:	8.50 ppG/1.02 sg	Gel 10s/10m:	lbf/100ft²/lbf/100ft²	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	5.50	104	96.00	200	1,524		8.50		
3	F800									

Bit #4	Wear	I	O1	D	L	B	G	O2	R
Size:	152.4 mm (6")	IADC#:	637Y	Nozzles					
Manufacturer:	SMITH	TFA:	0.589 in²						
Type:	3-Bladed	Date In:	#42 (30 Dec 2011)						
Serial No:	PP4244	Date Out:							
Bit Model:	XR65Y	Depth In:	2,764.0 m	3 x 16/32nd"					
		Depth Out:	m						

Bit run comment:

Bit wear comment:

Bit Performance

Duration:	2.3 h	Progress:	14.00 m	ROP:	6.09 m/h
Total Duration:	2.3 h	Total Progress:	14.00 m	ROP (Avg):	6.09 m/h

Directional Data

Slide Time:	1.8 h	Rotate Time:	1.2 h	Circ. Time:	4.0 h
Slide (%):	22 %	Rotate (%):	78 %	Circ. (%):	%
Total Slide Time:	1.8 h	Total Rotate Time:	1.2 h	Total Circ. Time:	4.0 h
Total KRevs:	15 revs	HSI:	hp/in²		



BHA # 4																	
BHA Type:		Steerable Assembly.		Total Weight Wet:		klbs											
Date In:		#42 (30 Dec 2011)		Weight Below Jar Wet:		klbs											
Date Out:																	
Depth In:		2,764.0 m															
Depth Out:		m															
Total Length:		1,104.43 m															
BHA Description: Steerable Assembly																	
BHA Run Comment:																	
BHA Daily Summary																	
Pickup Weight:		138.00 klbs		Torque (max):		ft.lbf		D.C. (1) Ann Velocity:		111 m/min							
Slack-Off Weight:		102.00 klbs		Torque (avg):		N.m		D.C. (2) Ann Velocity:		111 m/min							
String Weight:		130.00 klbs		Torque (min):		N.m		H.W.D.P. Ann. Velocity:		63 m/min							
Jars Hours Logged:		0.00 h						D.P. Ann. Velocity:		63 m/min							
Summary:																	
BHA Component																	
#	Equipment	Description	Length (m)	OD (in)	ID	Serial #	Hours										
1	Bit	Insert	0.20	152.40		PP4244											
2	MWD	PZIG LXM	0.81	120.65	1.69	X47A079K											
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	Z47M070K											
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												
Bit #3		Wear	I	O1	D	L	B	G	O2	R							
			6	6	NR	A	7	1	NR/WT	DMF							
Size: 152.4 mm (6")		IADC#:	637Y		<table border="1"> <tr> <th colspan="2">Nozzles</th> </tr> <tr> <th>No.</th> <th>x Size</th> </tr> <tr> <td colspan="2">3 x 16/32nd"</td> </tr> </table>							Nozzles		No.	x Size	3 x 16/32nd"	
Nozzles																	
No.	x Size																
3 x 16/32nd"																	
Manufacturer: SMITH		TFA:	0.589 in ²														
Type:		Date In:	#38 (26 Dec 2011)														
Serial No: PS5080		Date Out:															
Bit Model: XR40Y		Depth In:	2,593.1 m														
		Depth Out:	m														
Bit run comment:																	
Bit wear comment:																	
Bit Performance																	
Duration:		14.1 h		Progress:		68.00 m		ROP:		4.82 m/h							
Total Duration:		50.3 h		Total Progress:		244.40 m		ROP (Avg):		4.86 m/h							
Directional Data																	
Slide Time:		8.3 h		Rotate Time:		7.8 h		Circ. Time:		3.3 h							
Slide (%):		23 %		Rotate (%):		78 %		Circ. (%):		%							
Total Slide Time:		31.3 h		Total Rotate Time:		25.3 h		Total Circ. Time:		9.0 h							
Total KRevs:		97 revs		HSI:		hp/in ²											



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		

BHA Description:	Steerable Assembly.
BHA Run Comment:	

BHA Daily Summary			
Pickup Weight:	130.00 klbs	Torque (max):	ft.lbf
Slack-Off Weight:	104.00 klbs	Torque (avg):	N.m
String Weight:	125.00 klbs	Torque (min):	N.m
Jars Hours Logged:	0.00 h	D.C. (1) Ann Velocity:	0 m/min
		D.C. (2) Ann Velocity:	0 m/min
		H.W.D.P. Ann. Velocity:	0 m/min
		D.P. Ann. Velocity:	0 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 #4			
Top Depth:	2,764.0 m		
Bottom Depth:	m		
	Min	Avg	Max
WOB (klbs)	12.00	24.00	49.00
Surface RPM	0	31	52
Downhole RPM	89	104	112
Torque (ft.lbf)			
SPM	89	104	112
Flow (gpm)	170	200	215
SPP (psi)	1,143	1,524	1,699

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		55,340.0	0	2,000	-40	53,300.0

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Progress Vs. Planned

