



# DRILLING MORNING REPORT # 43

## Surprise 1 Re-entry H

### Surprise 1 Re-entry H

Date:	31 Dec 2011	Day Wellsite Representative:	Don Castles	Rig Manager:	Charles Naja.
Report Number:	43	Night Wellsite Representative:		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:	2,850.0 m	Casing MD:	2,426.00 m	Original AFE:	AUD 9,833,315
Rig:	Hunt Rig #3	True Vertical Depth:	2,534.2 m	Casing TVD:	m	Supp. AFE No:	
Ground Level:	545.0 m	24 Hr Progress:	141.00 m	TOL MD:	m	Orig. & Sup. AFE:	AUD 9,833,315
RT to GL:	3.66 m	Days On Well:	42.29	TOL TVD:	m	Daily Cost:	AUD 83,543
Planned TD (MD):	3,330.0 m	Days Since Spud:	0.00	Liner Shoe MD:	m	Cum. Cost:	AUD 7,214,228
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:	387

Current Op @ 0600:	Work on Mud Pumps
Planned Op:	Continue pulling back to casing window - Decide on best way forward

### Summary of Period 0000 to 2400 Hrs

Sliding and directional drill from 2777m through to 2850m

### HSE Summary

Events	Num. Events	Date Of Last	Days Lapsed	Description	Remarks
Accident/incident/near miss	0	31 Dec 2011 00:00	1.00	No accidents, incidents or environmental issues raised in the past 24hrs.	
Audit	1	31 Dec 2011 00:00	1.00	Continue with corrective actions and close outs from various audit / inspection non conformities.	
Pre-Tour Safety Meeting	2	31 Dec 2011 00:00	1.00	Pre tour safety meeting held with all on coming crew and third party personnel.	
Inductions to CTP/MBC	1	31 Dec 2011 00:00	1.00	1 x induction given on Rigsite to new personnel.	

### Operations for Period 0000 Hrs to 2400 Hrs on 31 Dec 2011

PHSE	CLS (RC)	OP	From	To	Hrs	Depth	Activity Description
PH	P	DM	00:00	03:00	3.00	2,780.0 m	Drilled sliding/rotating from 2778 to 2780 meters.
PH	P	SVY	03:00	03:30	0.50	2,780.0 m	Connection and survey
PH	P	DM	03:30	04:30	1.00	2,796.0 m	Rotary drill /Sliding 2780m to 2796m Wob: 20K, Gpm: 200, Rpm: 45
PH	P	SVY	04:30	05:00	0.50	2,796.0 m	Connection / Survey
PH	P	DM	05:00	07:00	2.00	2,805.0 m	Rotary drill/Slide 2796m to 2805m
PH	P	RS	07:00	07:30	0.50	2,805.0 m	Rig Service
PH	P	SVY	07:30	08:00	0.50	2,805.0 m	Connection / Survey
PH	P	DM	08:00	11:30	3.50	2,815.0 m	Sliding from 2805m to 2812m - Rotary drill from 2812m to 2815m Wob: 18K, Gpm: 200, Rpm: 45
PH	P	SVY	11:30	12:00	0.50	2,815.0 m	Connection / Survey
PH	P	DM	12:00	12:30	0.50	2,822.0 m	Rotary Drill 2815 to 2822m Wob: 20, Gpm: 200, Rpm: 45
PH	P	DM	12:30	17:30	5.00	2,834.0 m	Sliding / Drilling from 2822m to 2834m - Wob: 20, Gpm: 200, Rpm: 45
PH	P	SVY	17:30	18:00	0.50	2,834.0 m	Connection / Survey
PH	P	DM	18:00	20:00	2.00	2,844.0 m	Rotary Drill from 2834m to 2844m Wob: 20K, Gpm: 200, Rpm: 45
PH	P	SVY	20:00	20:30	0.50	2,844.0 m	Connection / Survey
PH	P	DM	20:30	24:00	3.50	2,850.0 m	Sliding /Rotary drill from 2844m to 2850m
							Midnight Depth 2850m - 2534.18 TVD



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## Surprise 1 Re-entry H

### Operations for Period 0000 Hrs to 0600 Hrs on 01 Jan 2012

PHSE	CLS (RC)	OP	From	To	Hrs	Depth	Activity Description
PHx	P	DM	00:00	01:00	1.00	2,853.0 m	Rotary Drill from 2850m to 2853m Wob: 20K, Gpm: 200, Rpm: 45 Pumped 15Bbl sweep
PHx	P	CMD	01:00	01:30	0.50	2,853.0 m	Survey and circulate sweep out
PHx	P	CMD	01:30	06:00	4.50	2,853.0 m	Rack back kelly and attempt pulling back to casing window - Pumping out of hole - tight hole from 2835m Max overpull 70K over string weight - Average Overpull 40K - 45K -06:00 depth 2601m

### Performance Summary

Daily								Cumulative Well								
P		NPT		SCC		NSC		P		NPT		SCC		NSC		Total
Hrs	%	Hrs	%	Hrs	%	Hrs	%	Hrs	%	Hrs	%	Hrs	%	Hrs	%	Hours
24	100	0.00	0.0	0.00	0.0	0.00	0.0	195	81.3	45	18.7	0.00	0.0	0.00	0.0	240

### General Comments for Period 0000 Hrs to 2400 Hrs on 31 Dec 2011

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

### 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:	12:00	YP:	lb/100ft²	Oil:	%	RPM	Reading
Weight:	8.50 pp/	Gel 10s/10m:	lb/100ft²/lb/100ft²	Sand:	%		
	1.02 sg	API FL:	cc/30min	Barite:	lbm/bbl		
Temperature:	°C	Filter Cake:	/32nd"	KCl:	%		
Cl (in whole mud):	mg/L	HTHP-FL:	cc/30min	Pm:			
Cl (in water phase):	mg/L	HTHP-Cake:	/32nd"	Pf/Mf:	/		
Ca Hard:	mg/L			pH:			
MBT:	lbm/bbl			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	5.50	108	96.00	200	1,500	2,850.0	8.50		
2	TFI 500 Triplex									
3	F800									

Bit #4		Wear	I	O1	D	L	B	G	O2	R			
Size:	152.4 mm (6")	IADC#:		637Y	<table><tr><th>Nozzles</th></tr><tr><td>No. x Size</td></tr><tr><td>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 in²									
Type:	3-Bladed	Date In:		#42 (30 Dec 2011)									
Serial No:	PP4244	Date Out:											
Bit Model:	XR65Y	Depth In:		2,764.0 m									
		Depth Out:		m									

### Bit run comment:

### Bit wear comment:

### Bit Performance

Duration:	17.6 h	Progress:	73.00 m	ROP:	4.15 m/h
Total Duration:	19.9 h	Total Progress:	87.00 m	ROP (Avg):	4.37 m/h

### Directional Data

Slide Time:	7.8 h	Rotate Time:	3.8 h	Circ. Time:	0.8 h
Slide (%):	22 %	Rotate (%):	78 %	Circ. (%):	%
Total Slide Time:	9.7 h	Total Rotate Time:	5.0 h	Total Circ. Time:	4.8 h
Total KRevs:	116 revs	HSI:	hp/in <sup>2</sup>		



# **DRILLING MORNING REPORT # 43** **Surprise 1 Re-entry H**

<b>BHA # 4</b>																
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														
<b>BHA Description:</b> Steerable Assembly																
<b>BHA Run Comment:</b>																
<b>BHA Daily Summary</b>																
Pickup Weight:		135.00 klbs		Torque (max):		ft.lbf		D.C. (1) Ann Velocity:		109 m/min						
Slack-Off Weight:		127.00 klbs		Torque (avg):		N.m		D.C. (2) Ann Velocity:		109 m/min						
String Weight:		146.00 klbs		Torque (min):		N.m		H.W.D.P. Ann. Velocity:		62 m/min						
Jars Hours Logged:		0.00 h						D.P. Ann. Velocity:		62 m/min						
<b>Summary:</b>																
<b>BHA Component</b>																
#	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											
<b>Bit #3</b>		<b>Wear</b>	<b>I</b>	<b>O1</b>	<b>D</b>	<b>L</b>	<b>B</b>	<b>G</b>	<b>O2</b>	<b>R</b>						
			6	6	NR	A	7	1	NR/WT	DMF						
Size: 152.4 mm (6")		IADC#:	637Y		<table border="1"> <tr> <td colspan="2"><b>Nozzles</b></td> </tr> <tr> <td colspan="2">No. x Size</td> </tr> <tr> <td colspan="2">3 x 16/32nd"</td> </tr> </table>						<b>Nozzles</b>		No. x Size		3 x 16/32nd"	
<b>Nozzles</b>																
No. x Size																
3 x 16/32nd"																
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													
		Depth Out:	m													
<b>Bit run comment:</b>																
<b>Bit wear comment:</b>																
<b>Bit Performance</b>																
Duration:		14.1 h		Progress:		68.00 m		ROP:		4.82 m/h						
Total Duration:		64.4 h		Total Progress:		312.40 m		ROP (Avg):		4.85 m/h						
<b>Directional Data</b>																
Slide Time:		8.3 h		Rotate Time:		7.8 h		Circ. Time:		3.3 h						
Slide (%):		23 %		Rotate (%):		78 %		Circ. (%):		%						
Total Slide Time:		39.6 h		Total Rotate Time:		33.0 h		Total Circ. Time:		12.3 h						
Total KRevs:		97 revs		HSI:		hp/in <sup>2</sup>										



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:	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:	m		
Bottom Depth:	m		
	Min	Avg	Max
WOB (klbs)	2.00	17.20	48.00
Surface RPM		21	45
Downhole RPM	89	102	108
Torque (ft.lbf)			
SPM	89	102	108
Flow (gpm)	170	196	208
SPP (psi)	1,143	1,532	1,701

### 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



Personnel On Site			
Company	Personnel	Job Title	Pax
Central Petroleum Limited	Don Castles	Drilling Supervisor	1
Central Petroleum Limited	Mark Mitchell	HSE Supervisor	1
Central Petroleum Limited	Lindsay Cullen	Geologist	1
Central Petroleum Limited	Micheal Harrison	Geologist	1
Hunt Energy	Charles Nja	Rig Manager	1
Hunt Energy	Hector Stuart	Tour Pusher	1
Hunt Energy	James Krishna	Safety Observer	1
Hunt Energy	Hamilton Edwards	Driller	1
Hunt Energy	Philip Makinson	Driller	1
Hunt Energy	Chris Mihaka	Assistant Driller	1
Hunt Energy	Costa DeMiglio	Remote Medic	1
Hunt Energy	Rick Hall	Derrickman	1
Hunt Energy	Peter Werecky	Derrickman	1
Hunt Energy	Andrew Hannah	Floorman	1
Hunt Energy	Adam Beal	Floorman	1
Hunt Energy	Keiran Biggar	Floorman	1
Hunt Energy	Jai Richey	Lease Hand	1
Hunt Energy	Peter Elcock	Lease Hand	1
Hunt Energy	David Watts	Lease Hand	1
Hunt Energy	Chris Drapple	Lease Hand	1
Hunt Energy	Jamie Dorning	Motorman	1
Hunt Energy	George Lay	Mechanic	1
Hunt Energy	Micheal Haraldsson	Welder	1
Hunt Energy	Luis Orrego	Electrician	1
Hunt Energy	Sam Daniels	Cook	1
Hunt Energy	Brad Morris	Cook	1
Hunt Energy	Chris Bishop	Campie	1
Hunt Energy	Peter Birch	Campie / Driver	1
Hunt Energy	Rikki Wilson	Campie / Driver	1
GEOSERVICES OVERSEAS S.A.	Steve Turbill	Data Engineer	1
GEOSERVICES OVERSEAS S.A.	Tran Vu AnH Tu	Data Engineer	1
	Micheal Warman	Crane Operator	1
Pathfinder	Ivan Brandmeyer	Directional Driller	1
Pathfinder	William Edwards	Directional Driller	1
Pathfinder	Adam Rope	MWD	1
Pathfinder	Earl Competente	MWD	1
	Andrew Hallas	Cummins Tech	1
Total			37

Rig Stocks							
Name	Unit	Start Amount	Previous Balance	In	Used	Adjust	Balance
Diesel Fuel – Rig (Litre)	Litre		53,300.0	0	1,950	350	51,700.0

## Surprise 1 Re-entry H

Progress Vs. Planned

