



# DRILLING MORNING REPORT # 45

## Surprise 1 Re-entry H

### Surprise 1 Re-entry H

Date:	02 Jan 2012	Day Wellsite Representative:	Don Castles	Rig Manager:	Charles Naja.
Report Number:	45	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:	

### Well Details

Country:	Australia	Current Hole Size:	6.000 in	Casing OD:	7.000 in	AFE Number:	8053
Field:	Surprise	Measured Depth:	2,853.0 m	Casing MD:	2,426.00 m	Original AFE:	AUD 10,521,781
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 10,521,781
RT to GL:	3.66 m	Days On Well:	44.29	TOL TVD:	m	Daily Cost:	AUD 80,133
Planned TD (MD):	3,330.0 m	Days Since Spud:	0.00	Liner Shoe MD:	m	Cum. Cost:	AUD 7,375,054
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:	389

Current Op @ 0600: Running in with 7" (177.8mm) casing scraper.  
 Planned Op: Trip in hole with 7" (177.8mm) casing scraper to 2410m - circulate casing content -Pull out laying down DP and HWDP.

### Summary of Period 0000 to 2400 Hrs

Trip and lay out directional tools - Slip drilling line - Wiper trip to TD 2853m - Pumped sweeps - POOH to pick up 7" (177.8mm) casing scraper.

### HSE Summary

Events	Num. Events	Date Of Last	Days Lapsed	Description	Remarks
Accident/incident/ near miss	0	02 Jan 2012 00:00	1.00	No accidents, incidents or environmental issues raised in the past 24hrs.	
Inductions to CTP/MBC	3	02 Jan 2012 00:00	1.00	3 x Rig Inductions given to new personnel to site.	
Weekly Safety Meeting	1	02 Jan 2012 00:00	1.00	Weekly safety meeting held with all crews and third party personnel.	

### Operations for Period 0000 Hrs to 2400 Hrs on 02 Jan 2012

PHSE	CLS (RC)	OP	From	To	Hrs	Depth	Activity Description
PH	P	HBH	00:00	00:30	0.50	2,853.9 m	Lay down directional BHA (Pathfinder tools).
PH	P	SCL	00:30	01:00	0.50	2,853.9 m	Slip 30' (9.14m) of drilling line.
PH	P	HBH	01:00	01:30	0.50	2,853.9 m	Make up 6" (152.4mm) bit RR and pickup 3 x 4.3/4" (120.6mm) Spiral DC.
PH	P	TI	01:30	04:00	2.50	2,853.9 m	Continue running in picking up DP from racks 37 singles.
PH	P	TI	04:00	08:30	4.50	2,853.9 m	RIH 28stds of DP + 18 Hevi Wate from derrick to 1968m.
PH	P	RS	08:30	09:00	0.50	2,853.9 m	Rig service.
PH	P	TI	09:00	10:30	1.50	2,853.9 m	Continue running in hole From 1968m to 2418m - Fill pipe.
PH	P	TI	10:30	14:30	4.00	2,853.9 m	Continue running in from 2418m to 2568m Tight area (Dogleg) Picked up kelly and washed to 2590m Run in hole from 2590m to TD 2853m.
PH	P	TI	14:30	16:00	1.50	2,853.9 m	Pick up Kelly and break circulation - Pumped 25bbl sweep and circulate out.
PH	P	TO	16:00	17:00	1.00	2,853.9 m	Pulling out of hole from 2853m to 2706m - Tight hole at 2706m 30K overpull - Picked up kelly and circulated out 4 singles to 2678m.
PH	P	CMD	17:00	18:00	1.00	2,853.9 m	Pump 25bbl sweep and circulate out at 2678m.
PH	P	TO	18:00	19:00	1.00	2,853.9 m	Continue pulling out of hole from 2678m to 2572m - Tight hole 20K overpull.
PH	P	TO	19:00	20:30	1.50	2,853.9 m	Pick up kelly and pump out from/2572 to 2418m laying down singles (20k overpull) rack back kelly.
PH	P	TO	20:30	24:00	3.50	2,853.9 m	Continue pulling out from 2418m to 906m.

### Operations for Period 0000 Hrs to 0600 Hrs on 03 Jan 2012

PHSE	CLS (RC)	OP	From	To	Hrs	Depth	Activity Description
PHx	P	TO	00:00	02:30	2.50	2,853.9 m	Pulling out to 232m - laying out singles back to 30m.
PHx	P	HBHA	02:30	03:30	1.00	2,853.9 m	Lay out drill collars and break out bit sub and bit.
PHx	P	SCP	03:30	06:00	2.50	2,853.9 m	Make up bit - Casing scraper 7" (177.8mm) and bit sub - Running in hole to 370m - monitor well on trip tank.



**DRILLING MORNING REPORT # 45**  
**Surprise 1 Re-entry H**

<b>Performance Summary</b>																	
Daily								Cumulative Well									
P		NPT		SCC		NSC		P		NPT		SCC		NSC		Total	
Hrs	%	Hrs	%	Hrs	%	Hrs	%	Hrs	%	Hrs	%	Hrs	%	Hrs	%	Hrs	Hours
24	100	0.00	0.0	0.00	0.0	0.00	0.0	243	84.4	45	15.6	0.00	0.0	0.00	0.0	288	

<b>General Comments for Period 0000 Hrs to 2400 Hrs on 02 Jan 2012</b>	
Category	Comments
General Comment	Mud Products used: KCL=10 sx Sodium Sulphite=2sx : X Gum 3sx

<b>WBM Data</b>										<b>Cost Today AUD</b>	
Mud Desc.:	Brine	Viscosity:	25 s/L	Solids:	%	Low Range Rheology					
Check Depth:	2,764.0 m	PV:	cP	H2O:	%	RPM	Reading				
Time:	12:00	YP:	lbf/100ft <sup>2</sup>	Oil:	%						
Weight:	8.50 ppg/ 1.02 sg	Gel 10s/10m:	lbf/100ft <sup>2</sup> /lbf/100ft <sup>2</sup>	Sand:	%						
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:**

<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	<b>Nozzles</b>					
Manufacturer:	SMITH	TFA:	0.589 in <sup>2</sup>	No. x Size					
Type:		Date In:	#38 (26 Dec 2011)	3 x 16/32nd"					
Serial No:	PS5080	Date Out:							
Bit Model:	XR40Y	Depth In:	2,593.1 m						
		Depth Out:	m						

**Bit run comment:**

**Bit wear comment:**

<b>Bit Performance</b>					
Duration:	14.1 h	Progress:	68.00 m	ROP:	4.82 m/h
Total Duration:	92.6 h	Total Progress:	448.40 m	ROP (Avg):	4.84 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:	56.1 h	Total Rotate Time:	48.5 h	Total Circ. Time:	18.8 h
Total KRevs:	97 revs	HSI:	hp/in <sup>2</sup>		



**DRILLING MORNING REPORT # 45**  
**Surprise 1 Re-entry H**

<b>BHA # 3</b>			
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:**

<b>BHA Daily Summary</b>					
Pickup Weight:	130.00 klbs	Torque (max):	ft.lbf	D.C. (1) Ann Velocity:	0 m/min
Slack-Off Weight:	104.00 klbs	Torque (avg):	N.m	D.C. (2) Ann Velocity:	0 m/min
String Weight:	125.00 klbs	Torque (min):	N.m	H.W.D.P. Ann. Velocity:	0 m/min
Jars Hours Logged:	0.00 h			D.P. Ann. Velocity:	0 m/min

**Summary:**

<b>BHA Component</b>							
#	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		

<b>Bit #5</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>
Size:	152.4 mm (6")	IADC#:								
Manufacturer:	SMITH	TFA:	0.589 in <sup>2</sup>	<b>Nozzles</b>						
Type:	Tricone	Date In:	#44 (01 Jan 2012)	No. x Size						
Serial No:	PP4244	Date Out:		3 x 16/32nd"						
Bit Model:	XR 65Y	Depth In:	2,853.0 m							
		Depth Out:	m							

**Bit run comment:** Wiper Trip to TD

**Bit wear comment:**

**Bit Performance**

Duration:	h	Progress:	m	ROP:	0.00 m/h
Total Duration:	0.0 h	Total Progress:	0.00 m	ROP (Avg):	0.00 m/h

**Directional Data**

Slide Time:	h	Rotate Time:	h	Circ. Time:	h
Slide (%):	%	Rotate (%):	%	Circ. (%):	%
Total Slide Time:	0.0 h	Total Rotate Time:	0.0 h	Total Circ. Time:	0.0 h
Total KRevs:	revs	HSI:	hp/in <sup>2</sup>		



**DRILLING MORNING REPORT # 45**  
**Surprise 1 Re-entry H**

<b>BHA # 5</b>			
BHA Type:	Slick Assembly	Total Weight Wet:	27,000.00 klbs
Date In:	#44 (01 Jan 2012)	Weight Below Jar Wet:	klbs
Date Out:			
Depth In:	2,853.0 m		
Depth Out:	m		
Total Length:	m		

**BHA Description:** Bit - Bit Sub - 3 x 4.3/4" DC - 94 x 3.1/2" DP - 18 x 3.1/2" Hevi Wate  
**BHA Run Comment:** Wiper Trip

<b>BHA Daily Summary</b>					
Pickup Weight:	klbs	Torque (max):	ft.lbf	D.C. (1) Ann Velocity:	0 m/min
Slack-Off Weight:	klbs	Torque (avg):	N.m	D.C. (2) Ann Velocity:	0 m/min
String Weight:	klbs	Torque (min):	N.m	H.W.D.P. Ann. Velocity:	0 m/min
Jars Hours Logged:	0.00 h			D.P. Ann. Velocity:	0 m/min

**Summary:**

<b>BHA Component</b>							
#	Equipment	Description	Length (m)	OD	ID	Serial #	Hours
1	Bit		0.20				
2	Float Sub		0.74				
3	4 3/4 DC		27.95				
4	3 1/2" DP		906.23				
5	3 1/2" HWDP		186.56				

<b>Bit #4</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>						
Size:	152.4 mm (6")	IADC#:	637Y		<table border="1"> <tr> <th align="center" colspan="2">Nozzles</th> </tr> <tr> <td>No. x Size</td> <td></td> </tr> <tr> <td>3 x 16/32nd"</td> <td></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 <sup>2</sup>													
Type:	3-Bladed	Date In:	#42 (30 Dec 2011)													
Serial No.:	PP4244	Date Out:	#44 (01 Jan 2012)													
Bit Model:	XR65Y	Depth In:	2,764.0 m													
		Depth Out:	2,853.9 m													

**Bit run comment:** Well TD

**Bit wear comment:**

<b>Bit Performance</b>					
Duration:	17.6 h	Progress:	73.00 m	ROP:	4.15 m/h
Total Duration:	55.1 h	Total Progress:	233.00 m	ROP (Avg):	4.23 m/h

<b>Directional Data</b>					
Slide Time:	7.8 h	Rotate Time:	3.8 h	Circ. Time:	0.8 h
Slide (%):	22 %	Rotate (%):	78 %	Circ. (%):	%
Total Slide Time:	25.3 h	Total Rotate Time:	12.6 h	Total Circ. Time:	6.4 h
Total KRevs:	116 revs	HSI:	hp/in <sup>2</sup>		



**DRILLING MORNING REPORT # 45**  
**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		

**BHA Description:** Steerable Assembly  
**BHA Run Comment:**

<b>BHA Daily Summary</b>					
Pickup Weight:	135.00 klbs	Torque (max):	ft.lbf	D.C. (1) Ann Velocity:	0 m/min
Slack-Off Weight:	127.00 klbs	Torque (avg):	N.m	D.C. (2) Ann Velocity:	0 m/min
String Weight:	146.00 klbs	Torque (min):	N.m	H.W.D.P. Ann. Velocity:	0 m/min
Jars Hours Logged:	0.00 h			D.P. Ann. Velocity:	0 m/min

**Summary:**

<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		

**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



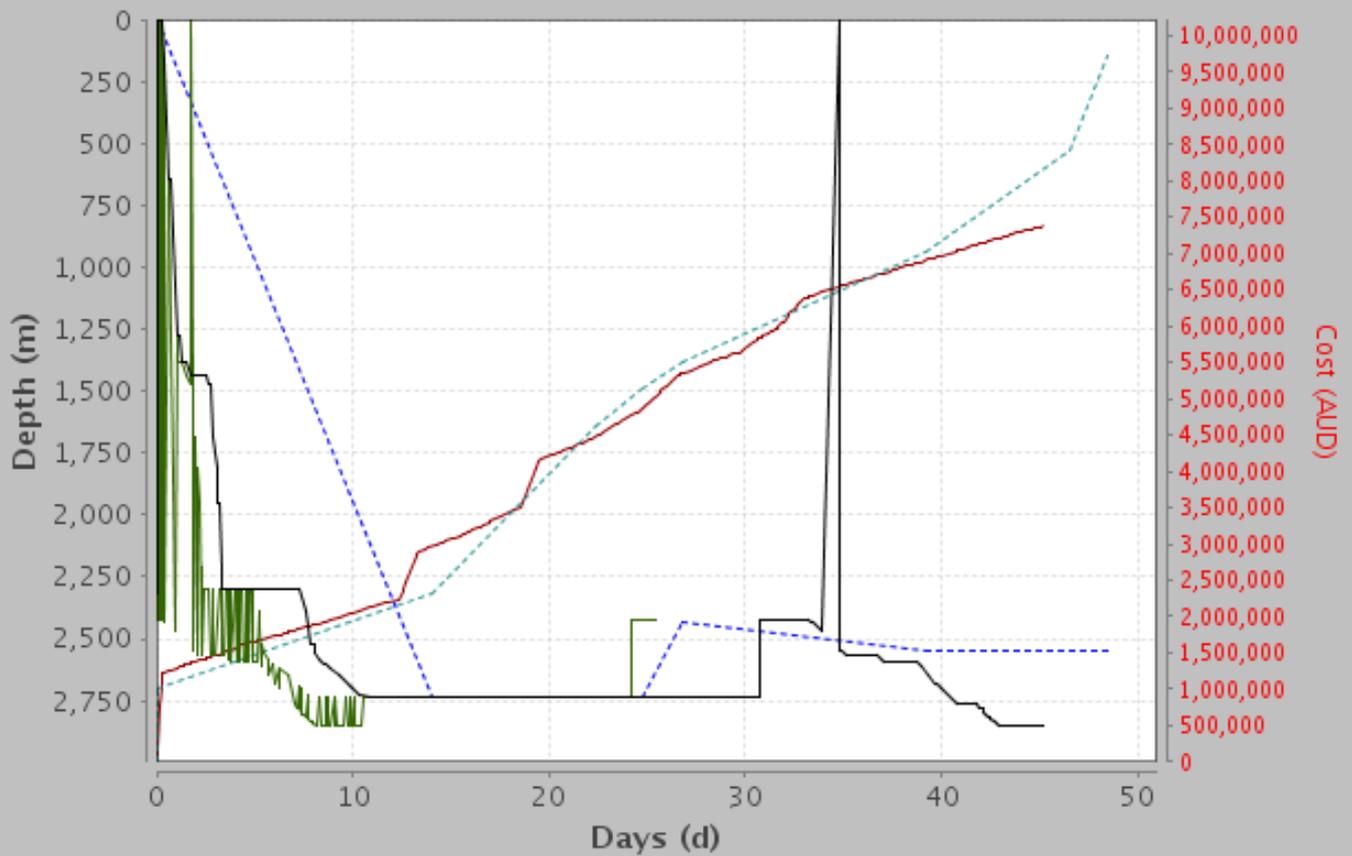
**DRILLING MORNING REPORT # 45**  
**Surprise 1 Re-entry H**

Personnel On Site			
Company	Personnel	Job Title	Pax
Central Petroleum Limited	Don Castles	Drilling Supervisor	1
Central Petroleum Limited	Mark Mitchell	HSE Supervisor	1
Hunt Energy	Charles Nja	Rig Manager	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
	Ronnie Dyker	Water Tanker Driver	1
SGS	Matt Bridge	Well Tester	1
SGS	Spencer Awop	Well Tester	1
	Nigel Fletcher	Production Supervisor	1
<b>Total</b>			<b>33</b>

Rig Stocks							
Name	Unit	Start Amount	Previous Balance	In	Used	Adjust	Balance
Diesel Fuel – Rig (Litre)	Litre		51,160.0	0	1,260	0	49,900.0

## Surprise 1 Re-entry H

### Progress Vs. Planned



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