

West Seahorse-3 Post Well Summary



PROJECT:	Bass Strait Consortium
WELL:	West Seahorse-3
CLASSIFICATION:	Appraisal Well
RIG:	West Triton

SURFACE	Latitude 38° 12' 24.9422" S
LOCATION:	Longitude 147° 37' 09.865" E
UTM:	GDA94 Zone 55 5771044m N; 554229m E

DATUM:	
ELEVATION ABOVE MSL (m):	
WATER DEPTH (m):	
WELL SLOT:	

Rotary Table
37.7
39.5
1

LICENSE:	VIC P57
BASIN:	Gippsland
STATE:	Victoria
OPERATOR:	3D Oil Ltd.

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APPROVED BY:	Rajiv Tikkoo
LAST UPDATED:	16/06/2008

Australian Drilling Associates Pty Ltd

DIRECTIONAL PROFILE		FORMATION DEPTH				CASING SHOES	Hole Size / Casing Depth (mMDrt)	CASING				PORE PRESSURE GRADIENT (ppg)	FRACTURE GRADIENT (ppg)	BHST 0.04°C/m, 10°C at mudline (74m TVDrt)	MUD PROGRAM	CEMENTING PROGRAM				SURVEY PLAN	BITS AND BOTTOM HOLE ASSEMBLIES	FORMATION EVALUATION			
			mTVDss	mTVDrt	mMDrt			SIZE	WEIGHT (ppf)	GRADE	CONNECTION					Additives	Density	TOC	Excess						
<p>0</p> <p>200</p> <p>400</p> <p>600</p> <p>800</p> <p>1000</p> <p>1200</p> <p>1400</p> <p>1600</p> <p>1800</p> <p>0 200 400 600 800 1000</p> <p>VERTICAL SECTION (m)</p>		Seabed					36"							Seawater & High Viscosity Bentonite Sweeps MW = 8.70ppg Funnel Viscosity >100 sec 6rpm >40 pH = 9-10 Gel 10sec >15lb/100sqft Gel 10min >40lb/100sqft	Single Slurry				Anderdrift	Bit & Hole Opener 26" Reed Y11C Bit + 36" HO Float Sub Anderdrift Pulser Stabilizer 2 x 9.5" Collar 9.5" Crossover 5x 8 1/4" Collar 8 1/4" Crossover 5 x 5.5" HWDP	NA				
		39.5 77.2 77.2					122m								Class G + 1% Calcium Chloride + NF-6 Seawater	15.9ppg	mudline 74m MDrt	200%							
															Cement PLUG #3										
							30"	1" wall	X52	D60/MT		12ppg @ 200m	20°C		Class G,+ CFR-3L + NF-6, + HR-6L Drill water	15.8ppg	130-207m								
		Gippsland Limestone					17.5"							Seawater - Bentonite MW =15-20ppg (hihger than programmed 9-9.5ppg) Funnel Viscosity 30-50 sec pH = 8.0-9.5	Lead Slurry				MWD-DIR every 30m	17.5" Motor BHA 17.5" Hughes MXL-T1V Bit Motor Schlumberger A962M7848GT Stabilizer Crossover Float Sub 8" Pony NMDC (3 joints) Crossover PowerPulse HF MWD 8" NMDC (2 joints) 3 x 8 1/4" Collar (5 joints) Drilling Jar 8" 2 x 8" Collar (2 joints) Crossover 5 1/2" HWDP (12 joints)	Cuttings Sampling: Every 20m				
		858.0 895.7 960												Class G + Econolite + NF-6 Seawater	12.5ppg	600m mMDRT	10%								
														Tail Slurry											
														Class G + CFR-3L + NF-6 + HR-6L Freshwater	15.8ppg	1000 mMDrt	10%								
		Lakes Entrance					1117m	13.375"	68	N80	BTC		15ppg at 1000mTVDrt	55°C		Cement PLUG #2				MWD DIR-GR-RES	12 1/4" RSS/LWD BHA 12 .25" Reed RSX 616 PDC Bit PD 900 AA 12 1/4" Power Drive Unit PD 900 Receiver w/float PD 900 Flex Collar GVR-8 (Model RAB-8) PowerPulse HF 8" NMDC 8 1/4" Collar (1 joint) Hydraulic Jar HDL-100 8" Collar (1 joint) Crossover 7 1/4" HWDP (12 joints)	Wireline Logging 1. PEX-HRLA-BHC 2. MDT (Pressure & Sampling) 3. MSCT (Rotary Sidewall Cores) Cuttings Sampling: Every 10m above Latrobe Every 5m thereafter			
		1369.2 1406.9 1529													Class G + CFR-3L + NF-6 + HR-6L Drill water	15.9ppg	1030-1149m								
														Cement PLUG #1B											
														Class G + CFR-3L + NF-6 + HR-6L Drill water	15.8ppg	1490-1633m									
		Latrobe Group					1810m						17ppg at 1700mTVDrt	80° at TD	KCl / PHPA / CLAYSEAL MW = 9.5-10ppg 6rpm = 13-16 API Filtrate <6 HTHP Filtrate <12 KCl = 6-8% by weight Excess PHPA >1ppb LGS <10% by vol ClaySeal = 2% by vol pH = 8.8-9.5 Residual Sulphite > 100mg/L Ca<400mg/l	Cement PLUG #1A				MWD DIR-GR-RES	12 1/4" RSS/LWD BHA 12 .25" Reed RSX 616 PDC Bit PD 900 AA 12 1/4" Power Drive Unit PD 900 Receiver w/float PD 900 Flex Collar GVR-8 (Model RAB-8) PowerPulse HF 8" NMDC 8 1/4" Collar (1 joint) Hydraulic Jar HDL-100 8" Collar (1 joint) Crossover 7 1/4" HWDP (12 joints)	Wireline Logging 1. PEX-HRLA-BHC 2. MDT (Pressure & Sampling) 3. MSCT (Rotary Sidewall Cores) Cuttings Sampling: Every 10m above Latrobe Every 5m thereafter			
															Class G + CFR-3L + NF-6 + HR-6L Drill water	15.8ppg	1633-1770m								
														Cement PLUG #1A											
		PRIMARY TARGET: 5771286 N, 554690 E				WELL PATH: Deviated				OIL GRAVITY: 48 API				SEISMIC LINE: INLINE 1532				KICK TOLERANCE				OFFSET WELLS: West Seahorse-1			
		TARGET TOP: 1400m TVDss				MAX ANGLE: 27°				H ₂ S: 280ppm (separated reservoir gas)				CO ₂ : Trace amounts				12.25": 136.9bbbl*				West Seahorse-2			
		SECONDARY TARGET: 5771308 N, 554732 E																*Based on MW of 10.0ppg, and pore pressure of 8.4ppg				Seahorse-1, 2			
		TD: 1684m TVD SS																				Harlequin-1			