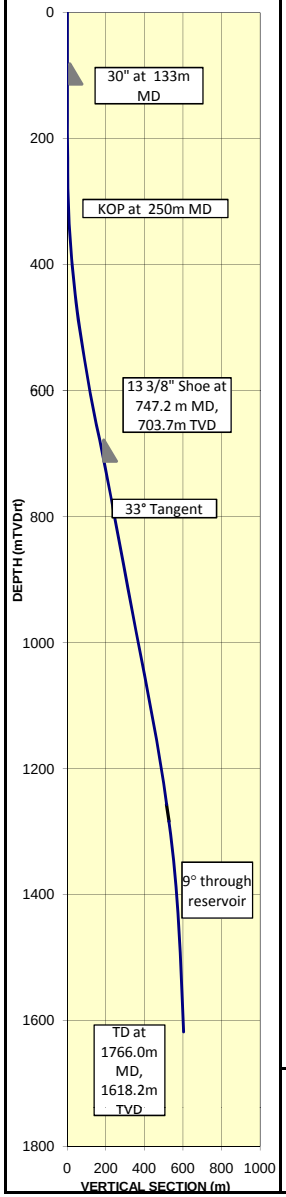
Wardie-1 Post Well Summary

PROJECT:	Bass Strait Consortium	SURFACE LOCATION:	Latitude 38° 12' 24.881"S	DATUM:	Rotary Table
WELL:	Wardie-1		Longitude 147° 37' 09.793" E	ELEVATION ABOVE MSL (m):	37.7
CLASSIFICATION:	Exploration Well	UTM:	GDA94 Zone 55	WATER DEPTH (m):	39.5
RIG:	West Triton		5 771 046.028m N; 554 227.625m E	WELL SLOT:	2

LICENSE:	VIC P57	PREPARED BY:	Manelle Moussa
BASIN:	Gippsland	APPROVED BY:	Rajiv Tikkoo
STATE:	Victoria	LAST UPDATED:	26/06/2008
OPERATOR:	3D Oil Ltd.		



PROGNOSED FORMATION DEPTH	mTVDss	mTVDrt	mMDrt	CASING SHOES	Hole Size / Casing Depth (mMDrt)	CASING SIZE	WEIGHT (ppf)	GRADE	CONNECT-ION	PORE PRESSURE GRADIENT (ppg)	FRACTURE GRADIENT (ppg)	BHST 0.04°C/m, 10°C at mudline (74m TVDrt)
Seabed	39.5	77.2	77.2		36"					Normal 8.4ppg		
Gippsland Limestone						30"	1" wall	X52	D60/MT		12ppg @ 200m	20°C
Gippsland Limestone					17.5"	13.375"	68	N80	BTC	Normal 8.4ppg	15ppg at 1000mTVDrt	48°C
Gippsland Limestone / Lakes Entrance	860	898	978									
Lakes Entrance					12.25"	Open Hole				Normal 8.4ppg	17ppg at 1700mTVDrt	76° at TD
Latrobe Group	1345	1383	1532									
Latrobe Group	TD 1580	1618	1766									

MUD PROGRAM	CEMENTING PROGRAM: Additives	Density	TOC	Excess	SURVEY PLAN	BITS AND BOTTOM HOLE ASSEMBLIES	FORMATION EVALUATION
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 Class G + 1% Calcium Chloride + NF-6 Seawater	15.9ppg	mudline 77.5m MDrt	200%	Anderdrift	Bit & Hole Opener 26" Reed Y11C Bit + 36" HO Float Sub Anderdrfit Pulser Stabilizer 2 x 9.5" Collar 9.5" Crossover 5x 8 1/4" Collar 8 1/4" Crossover 12 x 5.5" HWDP	NA
	Cement PLUG #3 Class G,+ CFR-3L + NF-6, + HR-6L Drill water	15.8ppg	95-157m				
Seawater - Bentonite MW =9ppg Funnel Viscosity 50-80 sec pH = 8.0-9.5	Single Slurry Class G + CFR-3L + NF-6 + HR-6L Seawater	15.9ppg	mudline 432m MDrt	10%	MWD-DIR every 30m Gyro kick-off	17.5" Motor BHA 17.5" Hughes MXL-T1V Bit Motor Schlumberger A962M7848GT Stabilizer Crossover Float Sub 8" Pony NMDC (2 joints) PowerPulse HF MWD UBHO 8" NMDC (2 joints) 3 x 8 1/4" Collar (3 joints) Drilling Jar 8" 2 x 8" Collar (2 joints) Crossover 5 1/2" HWDP (18 joints)	Cuttings Sampling: Every 20m
	Cement PLUG #2 Class G + CFR-3L + NF-6 + HR-6L Drill water	15.9ppg	805-700m				
KCl / PHPA / CLAYSEAL MW = 8.8-9.4ppg 6rpm = 13-16 API Flitrate <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 #1B Class G + CFR-3L + NF-6 + HR-6L Drill water	15.8ppg	1616-1407m		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) Cuttings Sampling: Every 10m above Latrobe Every 5m thereafter
	Cement PLUG #1A Class G + CFR-3L + NF-6 + HR-6L Drill water	15.8ppg	1776-1616m				

PRIMARY TARGET: 5770783 N, 553751 E	WELL PATH: Deviated	OIL GRAVITY: 48 API	SEISMIC LINE: INLINE 1500	KICK TOLERANCE	OFFSET WELLS:	West Seahorse-1
TARGET TOP: 1400m TVDss	MAX ANGLE: 34.9°	H_2S: 200ppm (separated reservoir gas)		12.25": 72bbl*		West Seahorse-2
SECONDARY TARGET: 5770768 N, 553723 E		CO_2: Trace amounts		*Based on MW of 9.5ppg, and pore pressure of 8.4ppg		Seahorse-1, 2
TD: 1600m TVD SS						Harlequin-1