

Daily Drilling Report

WELL NAME MADFISH-1							DATE 27-11-2008		
API # OH		24 HRS PROG 46.50 (m)		TMD 460.61 (m)		TVD 460.61 (m)		REPT NO 3	
RIG NAME NO OCEAN PATRIOT		FIELD NAME MADFISH		AUTH TMD 4,795.00 (m)	PLANNED DOW 27.63 (days)		DOL 2.08 (days)	DFS / KO 0.46 (days)	WATER DEPTH 392.61 (m)
SPUD DATE 25-11-2008	Rig Release		WELL SUPERVISOR PAT BROWN / `			OIM ROD DOTSON			PBTMD
REGION AUSTRALIA			DISTRICT OFFSHORE		STATE / PROV VICTORIA		RIG PHONE NO (08) 9338 5640		RIG FAX NO
AFE # 094 08EF7		AFE COSTS			DAILY COSTS			CUMULATIVE COSTS	
DESCRIPTION: DEVIATED EXPLORATION WELL.		DHC: 29,143,786			DHC: 854,070			DHC: 3,071,933	
		DCC:			DCC:			DCC:	
		CWC:			CWC:			CWC:	
		Others:			Others:			Others:	
		TOTAL: 29,143,786			TOTAL: 854,070			TOTAL: 3,071,933	
DEFAULT DATUM / ELEVATION ROTARY TABLE / 21.50 (m)			LAST SAFETY MEETING		BLOCK Vic-P59		FORMATION		BHA HRS OF SERVICE
LAST SURVEY				LAST CSG SHOE TEST (EMW)		LAST CASING		NEXT CASING	
MD 0.00 (m)	INC 0.00°	AZM 0.00°		(sg)		762.000 mm @ 460.4 m		340.000 mm @ 1,420.0 m	
CURRENT OPERATIONS: Drilling 406mm (16") hole ahead at 495m.									
24 HR SUMMARY: M/U drillpipe whilst WOW & boats, M/U & RIH with 914mm (36") BHA, drilled to 460.61m, POH, ran & cemented 762mm (30") casing at 460m, POH to surface with landing string.									
24 HR FORECAST: Drill 406mm (16") hole ahead.									

OPERATION SUMMARY

From	To	HRS	Phase	Operation	PT/NPT	NPT CODES	ACTIVITY SUMMARY
0:00	2:30	2.50	S-DRL	TRIP	PN	WOW	Continued to pick up and rack 127mm (5") HWDP in derrick, M/U jar stand. Total HWDP in derrick = 23 singles while W.O.W. Weather conditions: 00:00 hrs:26 knot winds, 6.2m combined sea and swell.
2:30	6:30	4.00	S-DRL	TRIP	PN	WOW	P/U 22 stands 127mm (5") drillpipe in mousehole & racked in derrick while W.O.W. Weather Conditions: 03:00 hrs:30 knot winds, 6.0m combined sea and swell 06:00 hrs:18 knot winds, 3.7m combined sea and swell
6:30	8:00	1.50	C-CSG	CSG	PP		Land 762mm (30") in Re-Run PGB, release CART and rack back in mast. Reposition Dolly with 762mm (30") & PGB to Stbd side moonpool and secure same while offloading Marine Riser to Far Sky to reduce deck load.
8:00	11:00	3.00	S-DRL	TRIPBHA	PP		Make up Re-run 660mm (26") Bit & 914mm (36") Hole Opener BHA. Initialize MWD tool. RIH on 203mm (8") DC, shallow hole test MWD with 4600 Lpm (1200 gpm) seawater - ok while offloading excess 762mm (30") to Far Sky prior to taking on spud mud from Far Grip. Continue RIH on 127mm (5") HWDP. Built 143m3 (900 bbl)s Guar Gum sweep mud.
11:00	13:00	2.00	S-DRL	TRIP	PP		Picking up 6 stands of 127mm (5") drill pipe and rack in mast while offloading spud mud from Far Grip and weighting up to kill mud weight of 1.34 SG (11.2ppg). RIH tag seabed at 414.11m (tide corrected - monitored with ROV). Water Depth: 392.61m. Neptune survey confirmed rig was 2.66m from intended location at a bearing of 38.25 deg. Latitude: 38° 39' 24.823" South Longitude: 148° 31' 24.486" East
13:00	14:00	1.00	S-DRL	DRLG	PP		Drill 660mm (26") x 914mm (36") riserless hole from 414.11m at mud line to section TD at 460.61m (46.5m below mudline). Returns monitored with ROV. Pump 7.9m3 (50 bbls) Hi-Vis sweeps at mid stand and on connection. Survey on connections with MWD at at TD. Drilled first 10m pumping at 2,400Lpm - 3400Lpm (600 gpm to 900 gpm), 90 RPM, WOB 0-1K and increased to 5.1m3 (1300 gpm) 23,500kpa (3400 psi), 150 RPM, WOB 0-4K. *** Well Spudded at 13:00 hrs on 27 Novemebr 2008. *** Note: Held pre job JSA to reivew DODI Shallow Gas Procedures and posted Bubble watchers in moonpool area. Note:Survey at TD 444.521m, Inc 0.03°, AZ, 41.43° TVD 444.521m.
14:00	14:30	0.50	S-DRL	CIRC	PP		Pump 15.8m3 (100 bbls) Hi-Vis sweep, 15.9m3 (100 bbls) seawater and displace with 47.9m3 (300 bbls) Hi-Vis at 4929 lpm (1300 gpm) while rotating and reciprocating pipe.
14:30	17:00	2.50	S-DRL	TRIP	PP		POOH with 660mm (26") x 914mm (36") BHA and lay down bit, hole opener and bit sub. Pumped Hi-Vis while pulling bit above mud line. Offline: Download memory data from MWD.

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OPERATION SUMMARY

From	To	HRS	Phase	Operation	PT/NPT	NPT CODES	ACTIVITY SUMMARY
17:00	18:00	1.00	C-CSG	CSG	PP		Removed mousehole, Centered PGB and 762mm (30") conductor string in moonpool, P/U CART, stabbed into LPWHH, M/U CART, removed rigging, lowered PGB to sea level, pumped & filled conductor with sea water, pumped out air, closed ball valve on PGB.
18:00	19:30	1.50	C-CSG	CSG	PP		Continued to run in with 762mm (30") conductor /PGB to 414m (seabed)
19:30	20:00	0.50	C-CSG	CSG	PP		Stabbed into hole, RIH to 417m, observed bulleyes with ROV, (Port Aft: 1degree starboard Aft, FWD: 3/4 degree starboard Aft). Continued to RIH to 437m, could not pass with 9 MT, (20,000lbs), worked pipe down from 437m to 441m.
20:00	21:00	1.00	C-CSG	CSG	PP		Made up TDS, continued to RIH from 441m to 454m, pumped in hole from 454m to TD at 460.61m staging up pumps to 4022 Lpm (1060 Gpm), 4000 Kpa, (580 psi) maximum down weight 11.3 MT (25,000Lbs).
21:00	21:30	0.50	C-CSG	CMT	PP		Held Pre- job meeting, R/U surface equipment, reduced tensioner pressures, observed PGB bulleyes. Port Aft bullseye 3/4° Stb Fwd, Fwd bullseye 1/2° Stb Aft.
21:30	22:30	1.00	C-CSG	CMT	PP		Lined up to Dowell. Pumped 1.58m3 (10bbbls) seawater fluorescene spacer. Pressure tested surface lines to 10342 kPa (1500psi) for 5 minutes - OK. Pumped further 1.58m³ (10bbbls) seawater fluorescene spacer. Mixed and pumped 150% excess 28.29m³ (178bbbls) 1.9SG (15.8ppg) cement slurry - fluorescene dye noted at seabed followed by cement returns. Displaced cement to float shoe with 14.78m³ (93bbbls) seawater. Checked float holdings - OK, 0.16m³ (1bbl) bled back. Good returns throughout job. Cement in place at 22.24 hours.
22:30	23:00	0.50	C-CSG	CSG	PP		Rigged down surface equipment, Released CART from LPWWH, ROV checked bulleyes. Port Bullseye 1° Starboard Fwd, forward bullseye, 1/2° Starboard Aft.
23:00	0:00	1.00	C-CSG	CSG	PP		POH with landing string from 412m to surface, L/O CART complete with XO for servicing.

24.00 = Total Hours Today

06:00 UPDATE

0000-0600 00:00- 00:30 L/O cement stinger assembly.
 00:30- 02:00 M/U 406mm (16") BHA. Initialized MWD (RLL) while installing guide ropes.
 02:00-02:30 Initialized MWD (Batsonic)
 02:30-04:00 Continued to RIH with BHA from 30m to 378m.
 Note: Shallow tested BHA for 10 minutes on first stand HWDP with 3880 Lpm (1025 Gpm) 11720 Kpa (1700 psi).
 04:00-04:30 RIH from 378m to wellhead housing at 411m, stabbed into wellhead assisted with ROV, held pre-drilling meeting, discussed pumping and shallow gas procedures.
 04:30-05:00 RIH to 460m, tagged with 4.5 MT (10,000lbs).
 05:00-05:30 Established parameters, drilled on cement from 460m to shoe (460.61m), installed geograph line, pumped 7.9m (50bbbls) hi vis sweep while rotating & reciprocating through shoe 3 times.
 05:30-06:00 Drilled 406mm (16") hole from 460.61m to 495m.

HSE: No accidents, incidents or pollution reported.
 Total Stop cards - 42 (24 unsafe, 18 safe).
 JSA - 27, PTW - 8..

BIT DATA

BIT / RUN	SIZE (mm)	MANUFACTURER	TYPE	SERIAL NO	JETS OR TFA	DEPTH IN / DATE IN	I-O-D-L-B-G-O-R
1 / 1	660.4	SMITH	XR+C	MZ1716	4x18	414.11 / 27-11-2008	-----

BIT OPERATIONS

BIT / RUN	WOB	RPM	FLOW	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP
1/1			0.00		0	1.00	46.50	46.5	1.00	46.50	46.5

LCM: MUD PROPERTIES MUD TYPE: SPUD MUD

VIS (s/l)	PV/YP (cp) / (Pa)	GELS (Pa)	WL/HTHP (ml/30 min)	FC/T.SOL (mm) / (%)	OIL/WAT (%)	% SAND/MBT (%) / (sg)	pH/Pm (mL)	Pf/Mf (mL)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)
97	19/48	12/13											

Density (sg)	1.03	PP	DAILY COST	12,075	CUM COST	12,075	%OIL
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BHA	1	JAR S/N	17602032	BHA / HOLE CONDITIONS	JAR HRS	BIT	1
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BHA WT BELOW JARS	STRING WT UP	STRING WT DN	STRING WT ROT	TORQUE/UNITS	BHA LENGTH
(tonne)	(tonne)	(tonne)	(tonne)	(kN-m)	373.88 (m)

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API #		24 HRS PROG		TMD		TVD		REPT NO	
OH		46.50 (m)		460.61 (m)		460.61 (m)		3	
ITEM DESCRIPTION				NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
Heavy Weight Drill Pipe				17	159.24				
Drilling Jar				1	9.84	158.75	69.85		
Heavy Weight Drill Pipe				6	56.18	166.69			
Cross Over				1	1.07	200.02	73.02		
Drill Collar				12	111.00				
Cross Over				1	1.12	238.12	76.20		
Non-Mag Drill Collar				1	9.31	241.30	76.20		
				1	2.42	406.40	76.20		
Logging While Drilling				1	6.84	279.40	92.08		
Logging While Drilling				1	4.80	241.30	82.55		
Logging While Drilling				1	7.43	241.30	76.20		
Bit Sub				1	1.21	247.65	76.20		
Hole Opener				1	2.82	914.40			
Tri-Cone Bit				1	0.60	660.40			
SURVEY									
TYPE	MD (m)	DEG (°)	AZI (°)	TVD (m)	+N/-S (m)	+E/-W (m)	V.SECT (m)	D.L (°/30m)	
Tie On	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
MUD PUMPS/HYDRAULICS					SPR				
	STROKE	SPM	LINER	FLOW	SPP:		SPM	PPSR	
# 1	304.80			0					
# 2	304.80								
# 3	304.80				HP: 0.000 (kW/cm²)				
PERSONNEL DATA									
COMPANY			QTY	HRS	COMPANY			QTY	HRS
TRI-SURV- Neptune			1		VETCO			1	
KEMTECH			2		DOWELL			2	
BHI			2		APACHE			5	
SPERRY SUN			2		BJ casing			2	
DODI			58		SUBSEA 7			6	
catering			8						
TOTAL PERSONNEL ON BOARD: 89									
SUPPORT CRAFT									
TYPE		REMARKS							
NOR CAPTAIN		On route to rig.							
S-76		1 x chopper, 3 pax in , 8 pax off.							
FAR SKY		On route to Geelong.							
FAR GRIP		On Location.							
SWISSCO 168		On Location.							
MATERIALS/CONSUMPTION									
ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND		
BARITE BULK	MT	31	108	BENTONITE	MT	4	39		
CEMENT	MT	35	48	DIESEL	m3	16	411		
WATER, POTABLE	m3	29	338	WATER, DRILLING	m3	190	601		

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WEATHER

TIME	SWELL HT/DIR/PER	WAVE HT/DIR/PER	WIND SPEED/DIR	GUST SPEED/DIR	TEMP
23:00	/ /35.00/3	2.00/170.00/12	/	10.3/80.00	

DECKLOG

MAX VDL	ACT VDL	AVG VDL	LEG PEN (BOW)	LEG PEN (PORT)	LEG PEN (S BOARD)
2560	2021	2021			

SAFETY DRILLS

RAMS (kPa)	ANNULARS (kPa)	CASING	LAST BOP DRILL	NEXT BOP PRESS TEST	FIRE DRILL	H2S DRILL	MAN OVERBRD	ABND. DRILL
24-11-2008	24-11-2008				24-11-2008			24-11-2008

ANCHOR TENSION DATA

ANCHOR NO	CURRENT TENSION	ANCHOR NO	CURRENT TENSION	ANCHOR NO	CURRENT TENSION
1		2		3	
4		5		6	
7		8		9	
10		11		12	

MUD INVENTORY

ITEM	UNIT	USAGE	Day Cost (\$)	ON HAND
GUAR GUM	25.00 kg	44.00	3,656.40	68.00
BARITE (bulk)	1.00 MT	30.00	8,418.30	109.00