

Daily Drilling Report

WELL NAME MADFISH-1							DATE 02-12-2008		
API # OH		24 HRS PROG 3.00 (m)		TMD 1,554.00 (m)		TVD 1,554.00 (m)		REPT NO 8	
RIG NAME NO OCEAN PATRIOT		FIELD NAME MADFISH		AUTH TMD 4,795.00 (m)	PLANNED DOW 27.63 (days)		DOL 7.08 (days)	DFS / KO 5.46 (days)	WATER DEPTH 392.61 (m)
SPUD DATE 27-11-2008	Rig Release		WELL SUPERVISOR PAT BROWN / KERRY PARKER			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: 929,692			DHC: 8,618,660	
		DCC:			DCC:			DCC:	
		CWC:			CWC:			CWC:	
		Others:			Others:			Others:	
		TOTAL: 29,143,786			TOTAL: 929,692			TOTAL: 8,618,660	
DEFAULT DATUM / ELEVATION ROTARY TABLE / 21.50 (m)			LAST SAFETY MEETING 2/12/2008		BLOCK Vic-P59		FORMATION		BHA HRS OF SERVICE 4.00
LAST SURVEY				LAST CSG SHOE TEST (EMW)		LAST CASING		NEXT CASING	
MD	1,551.00 (m)	INC	0.00°	AZM	0.00°	1.64 (sg)			
CURRENT OPERATIONS: Drilling 311mm (121/4") hole ahead at 1764m.									
24 HR SUMMARY: RIH w-BHA to 185m, shallow tested MWD (failed) POH, changed telescope, RIH to 185m, shallow tested (OK) Cont RIH toTOC at 1530m picking up 219 joints DP from deck, drilled out shoe track & 3m of new formation to 1554m, performed FIT to 1.65sg (13.7 ppg).									
24 HR FORECAST: Drilli 311mm (121/4") hole ahead.									

OPERATION SUMMARY

From	To	HRS	Phase	Operation	PT/NPT	NPT CODES	ACTIVITY SUMMARY
0:00	1:00	1.00	P-DRL	TRIPBHA	PP		Held JSA, Loaded R/A source in SADN.
1:00	1:30	0.50	P-DRL	TRIPBHA	PP		Continued to RIH with 311mm (12.25") BHA from 44m to 157m.
1:30	2:00	0.50	P-DRL	TRIPBHA	PN	LE	Shallow tested MWD in stages to 3875 Lpm (1000 Gpm). Zero signal detected. NOTE: "Found to have incorrect unprogrammed MWD in Hole".
2:00	3:30	1.50	P-DRL	TRIPBHA	PN	LE	POH from 185m to 44m. Removed R/A source.
3:30	4:30	1.00	P-DRL	TRIPBHA	PN	LE	Continued to POH from 44m to 24m. L/D MWD telescope and P/U correct MWD telescope.
4:30	5:00	0.50	P-DRL	TRIPBHA	PN	LE	RIH to 44m.
5:00	5:30	0.50	P-DRL	TRIPBHA	PN	LE	Loaded R/A source in SADN.
5:30	6:00	0.50	P-DRL	TRIPBHA	PN	LE	RIH with 311mm (12.25") BHA from 44m to 157m.
6:00	6:30	0.50	P-DRL	TRIPBHA	PP		Shallow tested MWD at 3785 lpm (1000 gpm), 11MPa (1600 psi) with seawater - OK.
6:30	7:00	0.50	P-DRL	TRIPBHA	PP		Continued to RIH with 127mm (5") HWDP to 382m.
7:00	7:30	0.50	P-DRL	TRIPBHA	PP		Installed Diverter Bag and change from auto elevators to manual 127mm (5") drill pipe elevators.
7:30	12:00	4.50	P-DRL	TRIP	PP		RIH 311mm (12.25") BHA picking up 115 joints 127mm (5") drill pipe to 1487m.
12:00	13:30	1.50	P-DRL	BOPS	PP		Function tested BOP on 127mm (5") drill pipe from rig floor on yellow pod and from toolpushers panel on blue pod while picking up 24 joints 127mm (5") drill pipe in mouse hole and racking back in mast.
13:30	14:30	1.00	P-DRL	TRIP	PP		Continued RIH picking up 127mm (5") drill pipe and tag TOC at 1530m with 4.4mt (10k). Establish circulation with seawater at 2650 lpm (700 gpm) with 11.3 MPa (1650 psi), increased flow rate to 3028 lpm (800 gpm) with 15.9 MPa (2300 psi). Confirmed MWD is working.
14:30	15:30	1.00	P-DRL	TRIP	PP		POH 25 stands to 815m.
15:30	19:30	4.00	P-DRL	TRIP	PP		RIH picking up 75 joints 127mm (5") drill pipe to TOC at 1530 m.
19:30	22:30	3.00	P-DRL	DRLCMT	PP		Drilled out plugs, cement and float equipment to 1546.28m. Cleaned out rat hole to 1551m and drilled 3m new formation to 1554m. Displaced wellbore to 1.15sg (9.6 ppg) WBM while drilling out shoe track and started boosting riser when WBM was above BOPs. Parameters: 2461 lpm (650 gpm), 70-90 rpm, WOB 2.2mt - 4.4mt (5K-10K).
22:30	23:30	1.00	P-DRL	LKOFF	PP		Circulated prior to performing FIT. Pulled bit back into casing. Riggd up and performed FIT to 1.65sg (13.6 ppg) EMW with 1.15sg WBM at 1081 psi surface pressure.Total pumped 0.36 m3,(2.3 bbls), total bled back 0.35m3 (2.2 bbls).
23:30	0:00	0.50	P-DRL	CIRC	PP		Lined up to drill, recorded slow circulation rates & choke line friction pressures at 1546.28m with 1.15 sg (9.6 ppg) mud, Pump # 1:20 spm=120 psi, 30 spm=180 psi, 40 spm=230 psi Choke line friction: Pump # 1:20 spm=40 psi, 30 spm=50 psi, 40 spm=70 psi.

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From	To	HRS	Phase	Operation	PT/NPT	NPT CODES	ACTIVITY SUMMARY
							Established drilling parameters.
24.00 = Total Hours Today							

06:00 UPDATE

0000-0600 00:00- 06:00 Drilled 311mm (12-1/4") hole from 1554m to 1764m, Drilling parameters: Average ROP= 35 metres/ hr, WOB = 18 MT, (40,000 lbs): Flow=3625 lpm (950 gpm), Pressure=21550 Kpa (3120 psi), RPM=180, Torque=24480 Nm (18000ft/lbs) maximum, rotating weight +- 133MT (295000lbs), P/U weight +-133MT (295000lbs), S/O weight =133MT (295000lbs).
 Note: Survey # 1 at 1569m, 0.49 degrees Inc, 1.74 AZ, 1569.70 TVD.
 Note: Sonic tool failed to work from commencement of drilling.
 Note: Zero Directional drilling screen available in DSV office, parts ordered.
 Note: Schlumberger UPS failed @ 01:30 hours, changed to rig power
 Note: BHI chromatograph failed, replaced order from shorebase for hotshot replacement.

HSE: No accidents, incidents or pollution reported.
 Total Stop cards - 52 (25 unsafe, 48 safe). JSA-22- Permits-10.

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
3 / 1	311.0	HUGHES CHRISTENSEN	DP 605	7015729	7x14	1,551.00 / 01-12-2008	-----

BIT OPERATIONS

BIT / RUN	WOB	RPM	FLOW	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP
3/1	18/18	180/180	0.00	21,550	0	0.50	3.00	6.0	0.50	3.00	6.0

LCM:	MUD PROPERTIES										MUD TYPE: KCL/POLYMER			
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 (%)	
52	10/20	8/10	4/13	1		0							19	
Density (sg)	1.15				PP		DAILY COST	9427	CUM COST	120,439	%OIL		3	

BHA	3	JAR S/N	17602032	BHA / HOLE CONDITIONS				JAR HRS	19.00	BIT	3
BHA WT BELOW JARS	STRING WT UP	STRING WT DN	STRING WT ROT	TORQUE/UNITS		BHA LENGTH					
31 (tonne)	133 (tonne)	133 (tonne)	133 (tonne)	10 (kN-m)		382.19 (m)					

ITEM DESCRIPTION	NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
Heavy Weight Drill Pipe	17	159.24	127.00	79.38		
Hydraulic Jar	1	9.84	158.70	69.85		
Heavy Weight Drill Pipe	6	56.18	127.00	79.38		
Cross Over	0	1.07				
Spiral Drill Collar	8	111.00	171.40	69.85		
MWD Tool	1	40.24	171.40	73.02		
Steerable Motor	1	4.21	300.00	76.20		
Polycrystalline Diamond Bit	1	0.41	311.15	69.85		

SURVEY

TYPE	MD (m)	DEG (°)	AZI (°)	TVD (m)	+N/-S (m)	+E/-W (m)	V.SECT (m)	D.L (°/30m)
Tie On	21.50	0.00	0.95	21.50	0.00	0.00	0.00	0.00
NORMAL	1,551.00			1,551.00	0.00	0.00	0.00	0.00

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MUD PUMPS/HYDRAULICS				SPR			
STROKE	SPM	LINER	FLOW	SPP: 21,550 (kPa)		SPM	PPSR
# 1	304.80		0				
# 2	304.80		0				
# 3	304.80		0	HP: 0.000 (kW/cm ²)			

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
	1		Brandt	1	
	4		Catering	8	
	3		KEMTECH	2	
VETCO	1		SUBSEA 7	3	
DODI	57		DOWELL	2	
Anadrill (1 trainee)	5			1	
APACHE	5		BHI	7	
BJ casing	1				

TOTAL PERSONNEL ON BOARD: 101

SUPPORT CRAFT

TYPE	REMARKS
NOR CAPTAIN	On route to Loc
S-76	1 x chopper- 4 pax on , 7 pax off.
FAR SKY	On route to Geelong
FAR GRIP	On Loc
SWISSCO 168	On Loc

MATERIALS/CONSUMPTION

ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
BARITE BULK	MT		95	BENTONITE	MT		38
CEMENT	MT		41	DIESEL	m3		487
WATER, POTABLE	m3	27	326	WATER, DRILLING	m3	42	408

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	2122	2122			

SAFETY DRILLS

RAMS (kPa)	ANNULARS (kPa)	CASING	LAST BOP DRILL	NEXT BOP PRESS TEST	FIRE DRILL	H2S DRILL	MAN OVERBRD	ABND. DRILL
30-11-2008 / 34,475	30-11-2008 / 24,132	02-12-2008 / 86,187	02-12-2008	21-12-2008	30-11-2008		02-12-2008	30-11-2008

INCIDENT REPORT

INCIDENTS TYPE NONE	LOST TIME? NO	INCIDENTS DESCRIPTION No incidents reported.
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ANCHOR TENSION DATA

ANCHOR NO	CURRENT TENSION	ANCHOR NO	CURRENT TENSION	ANCHOR NO	CURRENT TENSION
1	175	2	160	3	187
4	186	5	158	6	168
7	185	8	180	9	
10		11		12	

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MUD INVENTORY

ITEM	UNIT	USAGE	Day Cost (\$)	ON HAND
BENTONITE	1.00 MT		0.00	38.00
CITRIC ACID	25.00 kg	18.00	796.50	88.00
NUT PLUG	50.00 lbs		0.00	28.00
LIME	25.00 kg		0.00	77.00
CIRCAL 1000	25.00 kg		0.00	96.00
KCL BRINE (1.15SG)	1.00 bbl		0.00	0.00
KWIKSEAL (F)	40.00 lbs		0.00	90.00
KWIKSEAL (M)	40.00 lbs		0.00	90.00
SAFE-CIDE	25.00 l	1.00	100.69	31.00
DRISPAC SL	50.00 lbs		0.00	313.00
DEFOAM A	5.00 gal		0.00	24.00
SODIUM BICARBONATE - NaHCO3	25.00 kg	18.00	321.48	62.00
SOLTEX	50.00 lbs	25.00	2,216.75	437.00
CIRCAL 60/16	25.00 kg		0.00	318.00
OMYACARB 10	25.00 kg		0.00	96.00
FLOWZAN	25.00 kg	22.00	5,991.26	204.00
CIRCAL Y	25.00 kg		0.00	96.00
BARITE (bulk)	1.00 MT		0.00	96.00
SODA ASH- SOD.CARBONATE-Na2CO3	25.00 kg		0.00	15.00
GUAR GUM	25.00 kg		0.00	40.00
POLYSAI	25.00 kg		0.00	90.00