

Daily Drilling Report

WELL NAME MADFISH-1	DATE 07-12-2008
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API # OH	24 HRS PROG 13.00 (m)	TMD 3,718.00 (m)	TVD 3,603.78 (m)	REPT NO 13
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RIG NAME NO OCEAN PATRIOT	FIELD NAME MADFISH	AUTH TMD 4,795.00 (m)	PLANNED DOW 27.63 (days)	DOL 12.08 (days)	DFS / KO 10.46 (days)	WATER DEPTH 392.61 (m)
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SPUD DATE 27-11-2008	Rig Release	WELL SUPERVISOR IVAN PARKHURST / KERRY PARKER	OIM ROD DOTSON	PBTMD
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REGION AUSTRALIA	DISTRICT OFFSHORE	STATE / PROV VICTORIA	RIG PHONE NO (08) 9338 5640	RIG FAX NO
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AFE # 094 08EF7	AFE COSTS	DAILY COSTS	CUMULATIVE COSTS
DESCRIPTION: DEVIATED EXPLORATION WELL.	DHC: 29,143,786 DCC: CWC: Others: TOTAL: 29,143,786	DHC: 924,760 DCC: CWC: Others: TOTAL: 924,760	DHC: 13,701,106 DCC: CWC: Others: TOTAL: 13,701,106

DEFAULT DATUM / ELEVATION ROTARY TABLE / 21.50 (m)	LAST SAFETY MEETING 7/12/2008	BLOCK Vic-P59	FORMATION INTRA-GOLDEN BEACH	BHA HRS OF SERVICE
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LAST SURVEY	LAST CSG SHOE TEST (EMW)	LAST CASING	NEXT CASING
MD 3,663.53 (m) INC 21.36° AZM 357.29°	1.64 (sg)		

CURRENT OPERATIONS: Directionally drilling 216mm (8.5") hole at 3911m.

24 HR SUMMARY: Directionally drilled 216mm (8.5") hole from 3705m to 3718m, MWD failed, POH to surface, changed out & shallow tested Schlumberger BHA, RIH to shoe, serviced rig, Continued to RIH to 3683m.

24 HR FORECAST: Continue to drill 216mm (8.5") hole to section TD at +- 4800m.

OPERATION SUMMARY

From	To	HRS	Phase	Operation	PT/NPT	NPT CODES	ACTIVITY SUMMARY
0:00	0:30	0.50	PL-DRL	DRLG	PP		Directionally drilled 216mm (8.5") hole from 3705m to 3718m. Average drilling parameters: ROP= 26.2 metres/ hr, WOB = 6.8 MT, (15,000 lbs): Flow=2816 lpm (744 gpm), Pressure=29,203 kPa (4250 psi), RPM=180, Torque=16320 Nm (12000 ft/lbs) , rotating weight 185 MT (390,000lbs), P/U weight 185 MT (410,000lbs), S/O weight =165MT (365,000lbs).
0:30	2:30	2.00	PL-DRL	CIRC	PN	MW	Intermittent signal to MWD, attempted various methods to remove interference to down hole tools, Re-lined mud pump manifold, checked mud pump pulsation dampeners, cleaned pump strainers, attempted various pump configurations, decision made to down link to telescope to change byte rate, prior to attempt, MWD lost total signal. Decision made to POH to change directional BHA
2:30	4:30	2.00	PL-DRL	TRIP	PN	MW	POH wet from 3718m to 3318m, (inside 311mm 12.25" hole), worked through tight spot at 3582m with 27.2 m (60,000lbs) maximum drag.
4:30	8:30	4.00	PL-DRL	TRIP	PN	MW	Pumped 3.6m3 (25bbl) 1.39sg (11.5) slug, POH from 3318m to shoe (1546m) Hole good. Flow checked.
8:30	11:00	2.50	PL-DRL	TRIP	PN	MW	POH from 1546m to BHA at 348m.
11:00	12:00	1.00	PL-DRL	TRIPBHA	PN	MM	POH with BHA from 348m to 36m.
12:00	13:30	1.50	PL-DRL	MWD_LWD	PN	MW	L/D directional assembly from 36m to surface, removed radio active source, Broke off bit # 4 , inspected bit & changed jets. Bit Grade=0-0-ER-C-X-I-NO-DTF.
13:30	15:00	1.50	PL-DRL	MWD_LWD	PN	MW	P/U 216mm (8.5") directional BHA- Bit, XCEED 675, Power Pulse, GVR-6, Sonic vision 675, AND w/-stb, string stb to 36m.
15:00	15:30	0.50	PL-DRL	MWD_LWD	PN	MW	Loaded R/A source.
15:30	17:00	1.50	PL-DRL	MWD_LWD	PN	MW	RIH with P/U 216mm (8.5") directional BHA to 234m, shallow tested MWD with 2784 Lpm (735 GPM). Good test.
17:00	17:30	0.50	PL-DRL	TRIP	PN	MW	RIH from 234m to 345m picking up range 3 127mm (5") drillpipe from catwalk.
17:30	19:30	2.00	PL-DRL	TRIP	PN	MW	RIH with P/U 216mm (8.5") directional BHA on 12 7mm (5") drillpipe from 345m to 1378m.filling pipe every 20 stands.
19:30	20:00	0.50	PL-DRL	TRIP	PN	MW	Serviced TDS and travelling equipment.
20:00	0:00	4.00	PL-DRL	TRIP	PN	MW	Continued to RIH with P/U 216mm (8.5") directional BHA on 127mm (5") drillpipe from 345m to 1378m filling pipe every 20 stands from 1378m to 3683m. Hole good.

24.00 = Total Hours Today

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06:00 UPDATE

0000-0600 00:00-00:30 Continued to RIH from 3683m to 3705m, established parameters, Installed Geo line to travelling block, precautionary washed from 3705 to 3718m.

00:30-01:00 Commenced to drill from 3718m, Zero penetration rate on commencement, Picked up off bottom while Schlumberger down linked tools.

01:00- 01:30 Drilled 216mm (8.5") directional hole from 3718m to 3738m.

01:30-02:00 Made TDS connection, recycled MWD tool due to values maximised out on Xceed tool (40 mins total)..

02:00-06:00 Drilled 216mm (8.5") directional hole from 3738m to 3911m.
NOTE:Xceed tool difficulty holding tool face due to stick slip, picked up 3 x from 04:45 hrs to 06:00 varying parameters.

Average drilling parameters: ROP= 42.5 metres/ hr, WOB = 13.6 MT, (30,000 lbs): Flow=2839 Lpm (750) gpm, Pressure=28269 kPa (4150 psi), RPM=180, Torque=24480 Nm (18000 ft/lbs), rotating weight 174 MT (385,000lbs), P/U weight 185 MT (410,000lbs), S/O weight =167MT (370,000lbs).
Recorded SCR at 3738m with 1.15 Sg (9.6ppg) mud. 30 spm= 2895 kPa (420psi) 40 spm= 3585 kPa (520psi), 50 spm= 4689 kPa (680 psi) on pump # 1.
Note: Boosting riser while drilling. Pumped through choke & kill line.

HSE: No accidents, incidents or pollution reported.
Total Stop cards - 64 (23 unsafe, 41 safe). JSA-35- Permits-15

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
4 RR-1 / 1	216.0	SMITH	M716	JW 6405 RR1	7x13	3,718.00 / 07-12-2008	-----
4 / 1	216.0	SMITH	M716	JW 6405	7x13	3,337.00 / 05-12-2008	0-0-ER-C-X-I-NO-DTF

BIT OPERATIONS

BIT / RUN	WOB	RPM	FLOW	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP
4/1	7/7	180/180	2,816.00	29,203	4096	0.50	368.00	736.0	2.50	736.00	294.4

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 (%)
68	22/34	9/11	4/12	1		0	9.80	1.80/4.40	65,000	120		70,300	2
Density (sg)	1.15				PP		DAILY COST	4271	CUM COST	376,398	%OIL		2

BHA	5	JAR S/N	17602032	BHA / HOLE CONDITIONS				JAR HRS	70.50	BIT	4 RR-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)	233.94 (m)

ITEM DESCRIPTION	NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
Heavy Weight Drill Pipe	17	46.82	127.00	79.38		
Hydraulic Jar	1	9.84	158.70	69.85		
Heavy Weight Drill Pipe	6	84.26	127.00	79.38		
Spiral Drill Collar	12	56.45	171.40	69.85		
Integral Blade Stabilizer	1	1.78	216.00	73.02		
Logging While Drilling	1	6.24	209.00	73.02		
MWD Tool	0	8.50	190.50	47.63		
Logging While Drilling	1	3.58	212.00	47.63		
Logging While Drilling	1	8.47	174.60	73.02		
Steerable Motor	1	7.66	209.00	47.63		
Polycrystalline Diamond Bit	1	0.34	216.00	73.02		

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SURVEY

TYPE	MD (m)	DEG (°)	AZI (°)	TVD (m)	+N/-S (m)	+E/-W (m)	V.SECT (m)	D.L (°/30m)
NORMAL	3,663.53	21.36	357.29	3,553.05	600.67	-53.52	599.70	2.48

MUD PUMPS/HYDRAULICS

SPR

	STROKE	SPM	LINER	FLOW	SPP: 29,203 (kPa)		SPM	PPSR
# 1	304.80	60	152.40	971	HP: 0.525 (kW/cm ²)			
# 2	304.80	60	152.40	971				
# 3	304.80	60	152.40	971				

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
	1		Baker Atlas	3	
	4		DODI	57	
	3		Weatherford.	1	
Catering	8		DOWELL	2	
APACHE	5			1	
Anadrill (1 trainee)	6		BHI	6	
Brandt	1			1	
SUBSEA 7	3		KEMTECH	2	
BJ casing	3		VETCO	1	

TOTAL PERSONNEL ON BOARD: 108

SUPPORT CRAFT

TYPE	REMARKS
NOR CAPTAIN	In Geelong
S-76	No choppers today.
FAR SKY	On Loc
FAR GRIP	On route to Patriot
SWISSCO 168	On Loc

MATERIALS/CONSUMPTION

ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
BARITE BULK	MT	6	88	BENTONITE	MT		38
CEMENT	MT		41	DIESEL	m3		394
WATER, POTABLE	m3	21	344	WATER, DRILLING	m3	24	481

WEATHER

TIME	SWELL HT/DIR/PER	WAVE HT/DIR/PER	WIND SPEED/DIR	GUST SPEED/DIR	TEMP
00:00	/ /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	2109	2109			

SAFETY DRILLS

RAMS (kPa)	ANNULARS (kPa)	CASING	LAST BOP DRILL	NEXT BOP PRESS TEST	FIRE DRILL	H2S DRILL	MAN OVERBRD	ABND. DRILL
05-12-2008 / 34,475	05-12-2008 / 24,132	02-12-2008 / 86,187	02-12-2008	21-12-2008	30-11-2008			30-11-2008

INCIDENT REPORT

INCIDENTS TYPE NONE LOST TIME? NO INCIDENTS DESCRIPTION
No incidents reported today.

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ANCHOR TENSION DATA

ANCHOR NO	CURRENT TENSION	ANCHOR NO	CURRENT TENSION	ANCHOR NO	CURRENT TENSION
1	162	2	150	3	165
4	190	5	182	6	195
7	160	8	174	9	
10		11		12	

MUD INVENTORY

ITEM	UNIT	USAGE	Day Cost (\$)	ON HAND
GUAR GUM	25.00 kg		0.00	0.00
KWIKSEAL (F)	40.00 lbs		0.00	90.00
BENTONITE	1.00 MT		0.00	38.00
POLYPLUS	25.00 kg		0.00	28.00
KWIKSEAL (M)	40.00 lbs		0.00	90.00
SAFE-CIDE	25.00 l		0.00	26.00
FLOWZAN	25.00 kg		0.00	140.00
BARITE (bulk)	1.00 MT	6.00	1,683.66	88.00
SODA ASH- SOD.CARBONATE-Na2CO3	25.00 kg		0.00	15.00
SOLTEX	50.00 lbs	13.00	1,152.71	221.00
DRISPAC SL	50.00 lbs	10.00	1,221.90	82.00
NUT PLUG	50.00 lbs		0.00	28.00
SODIUM BICARBONATE - NaHCO3	25.00 kg		0.00	62.00
CIRCAL 60/16	25.00 kg		0.00	192.00
POLYSAI	25.00 kg	6.00	212.28	48.00
CIRCAL Y	25.00 kg		0.00	96.00
CIRCAL 1000	25.00 kg		0.00	96.00
DEFOAM A	5.00 gal		0.00	21.00
OMYACARB 10	25.00 kg		0.00	96.00
LIME	25.00 kg		0.00	77.00
KCL BRINE (1.15SG)	1.00 bbl		0.00	0.00
CITRIC ACID	25.00 kg		0.00	88.00