

Daily Drilling Report

WELL NAME ELVER-1						DATE 03-01-2009			
API # OH		24 HRS PROG 240.00 (m)		TMD 3,493.00 (m)		TVD 2,665.18 (m)		REPT NO 17	
RIG NAME NO OCEAN PATRIOT		FIELD NAME ELVER		AUTH TMD	PLANNED DOW 36.40 (days)		DOL 16.79 (days)	DFS / KO 14.27 (days)	WATER DEPTH 504.90 (m)
SPUD DATE 21-12-2008	Rig Release		WELL SUPERVISOR PAT BROWN / DAVID SYMINGTON			OIM DENNIS GORE		PBTMD	
REGION AUSTRALIA			DISTRICT OFFSHORE		STATE / PROV VICTORIA		RIG PHONE NO (08) 9338 5640		RIG FAX NO
AFE # 09408EF5		AFE COSTS			DAILY COSTS		CUMULATIVE COSTS		
DESCRIPTION: Directional Exploration Well		DHC: 38,786,601			DHC: 965,565		DHC: 19,457,508		
		DCC:			DCC:		DCC:		
		CWC:			CWC:		CWC:		
		Others:			Others:		Others:		
		TOTAL: 38,786,601			TOTAL: 965,565		TOTAL: 19,457,508		

DEFAULT DATUM / ELEVATION WELL / 21.50 (m)		LAST SAFETY MEETING 3/01/2009	BLOCK VIC-P59		FORMATION		BHA HRS OF SERVICE 25.00	
--	--	---	-------------------------	--	------------------	--	------------------------------------	--

LAST SURVEY				LAST CSG SHOE TEST (EMW)		LAST CASING		NEXT CASING	
MD	3,462.99 (m)	INC	46.66°	AZM	194.89°	1.60 (sg)		244.000 mm @ 3,243.9 m	

CURRENT OPERATIONS: Directionally drilling 216mm (8-1/2") hole at 3576m.

24 HR SUMMARY: RIH from 1787m to 3224m. Regained MWD pulse as required with varying flow rates as RIH. Washed down to bottom at 3253m and directionally drilled 216mm (8-1/2") hole from 3253m to 3493m. Ave ROP 11.7m/hr.

24 HR FORECAST: Directionally drill 216mm (8-1/2") hole.

OPERATION SUMMARY

From	To	HRS	Phase	Operation	PT/NPT	NPT CODES	ACTIVITY SUMMARY
0:00	0:30	0.50	P-DRL	TRIP	PN	MW	RIH 127mm (5") DP from 1787m to 2075m. Filled pipe and circulated at 1.70m³/min (450gpm) and 9,515kPa (1380psi) - no MWD pulse detected at surface. Cycled pumps and increased flow rate to 2.65m³/min (700gpm) and 18,617kPa (2700psi) - good MWD pulse detected at surface.
0:30	1:30	1.00	P-DRL	TRIP	PN	MW	RIH 127mm (5") DP from 2075m to 2364m. Filled pipe and circulated at 2.46m³/min (650gpm) and 16,686kPa (2420psi) - good MWD pulse detected at surface.
1:30	2:30	1.00	P-DRL	TRIP	PN	MW	RIH 127mm (5") DP from 2364m to 2940m. Filled pipe and circulated at 2.46m³/min (650gpm) and 21,375kPa (3100psi) - weak MWD pulse detected at surface. Reduced flow rate to 1.14m³/min (300gpm) to clear any potential blockages in Telescope. Increased flow rate to 2.95m³/min (780gpm) and 27,373kPa (3970psi) and regained MWD pulse.
2:30	3:30	1.00	P-DRL	TRIP	PN	MW	RIH 127mm (5") DP from 2940m to 3224m. Washed and rotated down to tag bottom at 3253m with 4.5MT (10klbs), 80rpm, 2.92m³/min (770gpm) and 28,959kPa (4200psi).
3:30	0:00	20.50	P-DRL	DRLG	PP		Directionally drilled 216mm (8-1/2") hole from 3253m to 3493m. Ave ROP 11.7m/hr. Drilling Parameters: WOB: 4.5 - 18.1MT (10 - 40klbs). RPM: 50 - 200. TQ (ON): 24.4 - 29.8kN.m (18 - 22kft.lbs). TQ (OFF): 28.5 - 35.3kN.m (21 - 26kft.lbs). FLOW: 2.27 - 2.91m³/min (600 - 770gpm). SPP: 20,340 - 28,959kPa (2950 - 4200psi) String Weights: UP: 172MT (380klbs). DOWN: 109MT (240klbs). ROTATING: 134MT (295klbs). Note: Excessive stick-slip encountered while drilling to 3387m. Added StarGlide lubricant to mud system while drilling to 0.5% system volume - minimal reduction. Increased concentration to 0.75% system volume - stick-slip reduction from 296rpm to 66rpm average observed.

24.00 = Total Hours Today

Daily Drilling Report

WELL NAME ELVER-1				DATE 03-01-2009
API # OH	24 HRS PROG 240.00 (m)	TMD 3,493.00 (m)	TVD 2,665.18 (m)	REPT NO 17

06:00 UPDATE

0000-0600 Directionally drilled 216mm (8-1/2") hole from 3493m to 3576m. Ave ROP 13.8m/hr.

Drilling Parameters:
 WOB: 13.6 - 18.1MT (30 - 40klbs). RPM: 150 - 200.
 TQ (ON): 25.8 - 28.5kN.m (19 - 21kft.lbs).
 TQ (OFF): 28.5 - 33.9kN.m (21 - 25kft.lbs).
 FLOW: 2.57m³/min (680gpm). SPP: 30,200kPa (4380psi)
 String Weights:
 UP: 172MT (380klbs). DOWN: 109MT (240klbs).
 ROTATING: 134MT (295klbs).

HSE: No accidents, incidents or pollution reported.
 Total Stop cards - 76 (22 unsafe, 54 safe). JSA - 30, PTW - 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
4RR / 2	216.0	SMITH	Mi716VWEBP X	JY7487	7x13	3,253.00 / 02-01-2009	-----

BIT OPERATIONS

BIT / RUN	WOB	RPM	FLOW	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP
4RR/2	4/11	50/110	2,910.00	28,959	4374	1.50	3.00	2.0	1.50	3.00	2.0

LCM: 0 MUD PROPERTIES MUD TYPE: KCL/POLYMER

VIS (s/l)	PV/YP (cp) / (Pa)	GELS (Pa)	WL/HHP (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 (%)
70	19/31	6/8	5/0	1/9	0/0	0/3	10.00/0.00	1.40/3.00	53,000	420	0	0	5
Density (sg)	1.14	ECD (sg)	0.00	PP	DAILY COST	71,842	CUM COST	440,643	%OIL	3			

BHA 5 JAR S/N 17605011 BHA / HOLE CONDITIONS JAR HRS 25.00 BIT 4RR

BHA WT BELOW JARS	STRING WT UP	STRING WT DN	STRING WT ROT	TORQUE/UNITS	BHA LENGTH
14 (tonne)	172 (tonne)	109 (tonne)	134 (tonne)	29 (kN-m)	346.62 (m)

ITEM DESCRIPTION	NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
Heavy Weight Drill Pipe	26	242.35	127.00	79.38		
Hydraulic Jar	1	9.92	165.10	69.85		
Heavy Weight Drill Pipe	3	28.16	127.00	79.38		
Drill Collar	3	28.22	171.45	69.85		
Integral Blade Stabilizer	1	1.78	212.73	76.20		
Logging While Drilling	1	8.11	190.50	92.08		
Logging While Drilling	1	3.56	212.85	82.55		
Logging While Drilling	1	8.48	175.01	82.55		
Logging While Drilling	1	8.04	209.55	76.20		
Steering Tool	1	7.66	212.73	76.20		7 5/8 REG
Polycrystalline Diamond Bit	1	0.34	216.00	76.20		

Daily Drilling Report

WELL NAME ELVER-1				DATE 03-01-2009
API # OH	24 HRS PROG 240.00 (m)	TMD 3,493.00 (m)	TVD 2,665.18 (m)	REPT NO 17

SURVEY

TYPE	MD (m)	DEG (°)	AZI (°)	TVD (m)	+N/-S (m)	+E/-W (m)	V.SECT (m)	D.L (°/30m)
NORMAL	3,258.55	47.12	192.57	2,504.47	-1,728.41	-334.07	1,760.40	1.76
NORMAL	3,289.21	46.56	190.31	2,525.44	-1,750.33	-338.51	1,782.76	1.70
NORMAL	3,318.02	45.87	190.74	2,545.38	-1,770.78	-342.31	1,803.56	0.79
NORMAL	3,347.09	46.75	193.83	2,565.46	-1,791.31	-346.78	1,824.57	2.48
NORMAL	3,376.02	47.41	192.34	2,585.16	-1,811.95	-351.58	1,845.74	1.32
NORMAL	3,405.08	46.96	190.82	2,604.91	-1,832.83	-355.86	1,867.05	1.24
NORMAL	3,434.01	46.63	191.09	2,624.72	-1,853.53	-359.86	1,888.14	0.40
NORMAL	3,462.99	46.66	194.89	2,644.62	-1,874.06	-364.60	1,909.19	2.86

CASING

S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
OH	SURFACE	340.00	178.58	X 56	1,735.93
OH	CONDUCTOR	762.00		X 56	573.00
OH	INTERMEDIATE 1	244.00	69.94	L-80	3,243.90

MUD PUMPS/HYDRAULICS

SPR

	STROKE	SPM	LINER	FLOW	SPP: 28,959 (kPa)		SPM	PPSR
# 1	304.80	87	152.40	1422	HP: 0.579 (kW/cm ²)	PUMPS # 1	87/50/30/40	28,959/5,447/3,171/4,137
# 2	304.80	93	152.40	1520				
# 3	304.80							

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
DOWELL	2		BJ TRS	1	
SUBSEA 7	3		ANADRILL	5	
BHI	6		WEST ENGINEERING	2	
KEMTECH	2		BRANDT	1	
DODI	60		APACHE	5	

TOTAL PERSONNEL ON BOARD: 87

SUPPORT CRAFT

TYPE	REMARKS
FAR SKY	Geelong.
SWISSCO 168	On Location.
YARABAH	Enroute to Rig.
FAR GRIP	On Location.

MATERIALS/CONSUMPTION

ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
BARITE BULK	MT		100	BENTONITE	MT		26
CEMENT	MT		16	DIESEL	m3		309
WATER, POTABLE	m3	18	314	WATER, DRILLING	m3	18	601

WEATHER

TIME	SWELL HT/DIR/PER	WAVE HT/DIR/PER	WIND SPEED/DIR	GUST SPEED/DIR	TEMP
00:00	/ /250.00/3	0.50/225.00/10	/	7.7/250.00	

DECKLOG

MAX VDL	ACT VDL	AVG VDL	LEG PEN (BOW)	LEG PEN (PORT)	LEG PEN (S BOARD)
2560	1905	1905			

Daily Drilling Report

WELL NAME ELVER-1				DATE 03-01-2009
API # OH	24 HRS PROG 240.00 (m)	TMD 3,493.00 (m)	TVD 2,665.18 (m)	REPT NO 17

SAFETY DRILLS

RAMS (kPa)	ANNULARS (kPa)	CASING	LAST BOP DRILL	NEXT BOP PRESS TEST	FIRE DRILL	H2S DRILL	MAN OVERBRD	ABND. DRILL
28-12-2008 / 34,475	28-12-2008 / 34,475	27-12-2008 / 17,237	22-12-2008	05-01-2009	28-12-2008			28-12-2008

INCIDENT REPORT

INCIDENTS TYPE NONE LOST TIME? NO INCIDENTS DESCRIPTION

ANCHOR TENSION DATA

ANCHOR NO	CURRENT TENSION	ANCHOR NO	CURRENT TENSION	ANCHOR NO	CURRENT TENSION
1	178	2	178	3	175
4	162	5	183	6	187
7	204	8	194	9	
10		11		12	

MUD INVENTORY

ITEM	UNIT	USAGE	Day Cost (\$)	ON HAND
STAR GLIDE	208.00 l	8.00	13,189.28	32.00
DEFOAM A	5.00 gal		0.00	13.00
GUAR GUM	25.00 kg		0.00	0.00
SAPP	25.00 kg		0.00	35.00
KWIKSEAL (F)	40.00 lbs		0.00	72.00
OMYACARB 10	25.00 kg		0.00	0.00
NUT PLUG	50.00 lbs		0.00	14.00
CIRCAL 1000	25.00 kg		0.00	96.00
BARITE (bulk)	1.00 MT		0.00	100.00
KWIKSEAL (M)	40.00 lbs		0.00	108.00
KLA STOP	55.00 gal		0.00	16.00
SODIUM BICARBONATE - NaHCO3	25.00 kg	1.00	17.86	46.00
FLOWZAN	25.00 kg	11.00	2,995.63	194.00
CAUSTIC SODA - NaOH	25.00 kg		0.00	17.00
KCL BRINE (1.15SG)	1.00 bbl	437.00	42,887.18	0.00
BENTONITE	1.00 MT		0.00	24.00
LIME	25.00 kg		0.00	0.00
KCL (1.0 MT)	1.00 MT		0.00	8.00
STAR GLIDE	55.00 gal	4.00	5,073.64	0.00
DRISPAC SL	50.00 lbs	32.00	3,910.08	211.00
SODA ASH- SOD.CARBONATE-Na2CO3	25.00 kg		0.00	10.00
CIRCAL 60/16	25.00 kg	148.00	2,618.12	288.00
CALCIUM CHLORIDE 74-77%	25.00 kg		0.00	69.00
POLYSAI	25.00 kg		0.00	74.00
SOLTEX	50.00 lbs		0.00	322.00
POLYPLUS	25.00 kg		0.00	8.00
CIRCAL Y	25.00 kg		0.00	96.00
SAFE-CIDE	25.00 l		0.00	15.00
CITRIC ACID	25.00 kg	26.00	1,150.50	90.00