

Daily Drilling Report

WELL NAME ELVER-1							DATE 05-01-2009	
API # OH		24 HRS PROG 491.00 (m)		TMD 4,235.00 (m)		TVD 3,172.14 (m)		REPT NO 19
RIG NAME NO OCEAN PATRIOT		FIELD NAME ELVER		AUTH TMD	PLANNED DOW 36.40 (days)	DOL 18.79 (days)	DFS / KO 16.27 (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: 972,495		DHC: 21,400,788	
		DCC:			DCC:		DCC:	
		CWC:			CWC:		CWC:	
		Others:			Others:		Others:	
		TOTAL: 38,786,601			TOTAL: 972,495		TOTAL: 21,400,788	
DEFAULT DATUM / ELEVATION WELL / 21.50 (m)			LAST SAFETY MEETING 5/01/2009	BLOCK VIC-P59		FORMATION		BHA HRS OF SERVICE 73.00
LAST SURVEY				LAST CSG SHOE TEST (EMW)		LAST CASING		NEXT CASING
MD	4,183.93 (m)	INC	46.81°	AZM	190.98°	1.60 (sg)	244.000 mm @ 3,243.9 m	

CURRENT OPERATIONS: Directionally drilling 216mm (8-1/2") hole at 4384m. Current ROP 7.5m/hr.

24 HR SUMMARY: Directionally drilled 216mm (8-1/2") hole from 3744m to 4235m. Ave ROP 20.5m/hr.

24 HR FORECAST: Directionally drill 216mm (8-1/2") hole. Trip to P/U high-torque 127mm (5") DP. Directionally drill 216mm (8-1/2") hole.

OPERATION SUMMARY

From	To	HRS	Phase	Operation	PT/NPT	NPT CODES	ACTIVITY SUMMARY
0:00	12:00	12.00	P-DRL	DRLG	PP		Directionally drilled 216mm (8-1/2") hole from 3744m to 3931m. Ave ROP 15.6m/hr. Drilling Parameters: WOB: 2.3 - 24.9MT (5 - 55klbs). RPM: 80 - 210. TQ (ON): 25.8 - 37.9kN.m (19 - 28kft.lbs). TQ (OFF): 28.5 - 33.9kN.m (21 - 25kft.lbs). FLOW: 2.38 - 2.54m³/min (630 - 670gpm). SPP: 30,200kPa (4380psi) String Weights: UP: 191MT (420klbs). DOWN: 118MT (260klbs). ROTATING: 143MT (315klbs).
12:00	0:00	12.00	P-DRL	DRLG	PP		Directionally drilled 216mm (8-1/2") hole from 3931m to 4235m. Ave ROP 25.3m/hr. Drilling Parameters: WOB: 2.3 - 9.1MT (5 - 20klbs). RPM: 180 - 210. TQ (ON): 35.3 - 39.3kN.m (26 - 29kft.lbs). TQ (OFF): 28.5 - 33.9kN.m (21 - 25kft.lbs). FLOW: 2.57 - 2.65m³/min (680 - 700gpm). SPP: 30,200kPa (4380psi) String Weights: UP: 191MT (420klbs). DOWN: 118MT (260klbs). ROTATING: 143MT (315klbs). Note: Excessive stick-slip encountered while drilling to 3975m. Added StarGlide lubricant to mud system while drilling to 0.5% system volume. Increased concentration to 1.0% system volume at 4002m. Unable to apply WOB without stalling drill string rotary at 4130m. Increased StarGlide concentration accordingly to 1.5% - WOB capacity increased to 9.1MT (20klbs) and continued drilling ahead.

24.00 = Total Hours Today

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06:00 UPDATE

0000-0600 Directionally drilled 216mm (8-1/2") hole from 4235m to 4384m. Ave ROP 24.8m/hr.

Drilling Parameters:
 WOB: 2.3 - 9.1MT (5 - 20klbs). RPM: 210.
 TQ (ON): 35.3 - 39.3kN.m (26 - 29kft.lbs).
 TQ (OFF): 28.5 - 33.9kN.m (21 - 25kft.lbs).
 FLOW: 2.57 - 2.65m³/min (680 - 700gpm). SPP: 30,200kPa (4380psi)
 String Weights:
 UP: 191MT (420klbs). DOWN: 127MT (280klbs).
 ROTATING: 150MT (330klbs).

HSE: No accidents, incidents or pollution reported.
 Total Stop cards - 73 (19 unsafe, 54 safe). JSA - 33, PTW - 12.

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	4/21	80/210	2,422.67	30,200	3032	21.50	128.00	6.0	45.00	493.00	11.0

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 (%)
63	18/25	5/9	5/0	1/9	0/0	0/7	10.00/0.00	1.20/3.20	59,000	240	0	0	4
Density (sg)	1.14	ECD (sg)	0.00	PP	DAILY COST	94,863	CUM COST	543,771	%OIL	4			

BHA 5 JAR S/N 17605011 BHA / HOLE CONDITIONS JAR HRS 73.00 BIT 4RR

BHA WT BELOW JARS	STRING WT UP	STRING WT DN	STRING WT ROT	TORQUE/UNITS	BHA LENGTH
14 (tonne)	191 (tonne)	118 (tonne)	143 (tonne)	38 (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		

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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	3,751.42	46.43	192.94	2,840.70	-2,080.47	-410.19	2,120.52	1.84
NORMAL	3,808.75	47.09	192.20	2,879.98	-2,121.23	-419.28	2,162.27	0.45
NORMAL	3,837.28	46.67	191.82	2,899.48	-2,141.60	-423.61	2,183.09	0.53
NORMAL	3,866.96	46.73	191.65	2,919.83	-2,162.75	-428.00	2,204.69	0.14
NORMAL	3,895.32	46.55	192.96	2,939.31	-2,182.89	-432.40	2,225.30	1.03
NORMAL	3,924.44	46.55	196.50	2,959.34	-2,203.33	-437.77	2,246.39	2.65
NORMAL	3,952.66	46.69	197.59	2,978.72	-2,222.94	-443.78	2,266.79	0.86
NORMAL	3,981.42	46.83	196.31	2,998.42	-2,242.98	-449.89	2,287.64	0.98
NORMAL	4,010.32	46.94	192.12	3,018.18	-2,263.42	-455.07	2,308.69	3.18
NORMAL	4,068.66	46.65	189.68	3,058.12	-2,305.17	-463.11	2,351.21	0.93
NORMAL	4,096.94	46.67	191.56	3,077.53	-2,325.39	-466.90	2,371.78	1.45
NORMAL	4,126.70	46.65	193.28	3,097.96	-2,346.52	-471.56	2,393.41	1.26
NORMAL	4,183.93	46.81	190.98	3,137.19	-2,387.26	-480.31	2,435.07	0.88

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: 30,200 (kPa) HP: 0.334 (kW/cm²)	PUMPS # 1	SPM	PPSR			
# 1	304.80	50	152.40					817	82/40/50/30	30,200/4,137/5,171/3,241
# 2	304.80	77	152.40					1259	77/50/30/40	30,200/5,516/3,172/4,137
# 3	304.80	95	152.40					1553		

PERSONNEL DATA					
COMPANY	QTY	HRS	COMPANY	QTY	HRS
DODI	58		ANADRILL	5	
SUBSEA 7	3		BHI	6	
DOWELL	2		WEST ENGINEERING	2	
APACHE	5		BRANDT	1	
KEMTECH	2				

TOTAL PERSONNEL ON BOARD: 84

SUPPORT CRAFT	
TYPE	REMARKS
HELICOPTER	JYN (Pax On - 1, Pax Off - 4).
FAR SKY	On Location.
SWISSCO 168	On Location.
YARABAH	On Location.
FAR GRIP	Geelong.

MATERIALS/CONSUMPTION							
ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
BARITE BULK	MT	4	97	BENTONITE	MT		26
CEMENT	MT		16	DIESEL	m3		459
WATER, POTABLE	m3	23	326	WATER, DRILLING	m3	66	499

WEATHER					
TIME	SWELL HT/DIR/PER	WAVE HT/DIR/PER	WIND SPEED/DIR	GUST SPEED/DIR	TEMP
00:00	/ /170.00/3	1.00/180.00/10	/	9.3/170.00	

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DECKLOG

MAX VDL	ACT VDL	AVG VDL	LEG PEN (BOW)	LEG PEN (PORT)	LEG PEN (S BOARD)
2560	1950	1950			

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	176	2	178	3	176
4	163	5	180	6	185
7	201	8	194	9	
10		11		12	

MUD INVENTORY

ITEM	UNIT	USAGE	Day Cost (\$)	ON HAND
KLA STOP	55.00 gal		0.00	16.00
KCL BRINE (1.15SG)	1.00 bbl	580.00	56,921.20	0.00
CALCIUM CHLORIDE 74-77%	25.00 kg		0.00	69.00
CIRCAL 60/16	25.00 kg	68.00	1,202.92	196.00
CAUSTIC SODA - NaOH	25.00 kg		0.00	17.00
KCL (1.0 MT)	1.00 MT		0.00	8.00
POLYPLUS	25.00 kg		0.00	65.00
KWIKSEAL (F)	40.00 lbs		0.00	72.00
FLOWZAN	25.00 kg	10.00	2,723.30	176.00
DEFOAM A	5.00 gal		0.00	13.00
STAR GLIDE	55.00 gal		0.00	0.00
CIRCAL Y	25.00 kg		0.00	96.00
KWIKSEAL (M)	40.00 lbs		0.00	108.00
OMYACARB 10	25.00 kg		0.00	0.00
SOLTEX	50.00 lbs	10.00	886.70	290.00
SODIUM BICARBONATE - NaHCO3	25.00 kg		0.00	41.00
CIRCAL 1000	25.00 kg		0.00	96.00
SAPP	25.00 kg		0.00	35.00
DRISPAC SL	50.00 lbs	19.00	2,321.61	166.00
GUAR GUM	25.00 kg		0.00	0.00
NUT PLUG	50.00 lbs		0.00	14.00
STAR GLIDE	208.00 l	18.00	29,675.88	42.00
SAFE-CIDE	25.00 l	2.00	201.38	12.00
BARITE (bulk)	1.00 MT	3.00	841.83	97.00
SODA ASH- SOD.CARBONATE-Na2CO3	25.00 kg		0.00	10.00
LIME	25.00 kg		0.00	0.00
BENTONITE	1.00 MT		0.00	24.00
CITRIC ACID	25.00 kg	2.00	88.50	86.00
POLYSAI	25.00 kg		0.00	74.00