

Daily Drilling Report

WELL NAME ELVER-1							DATE 28-12-2008		
API # OH		24 HRS PROG 490.00 (m)		TMD 2,939.00 (m)		TVD 2,287.91 (m)		REPT NO 11	
RIG NAME NO OCEAN PATRIOT		FIELD NAME ELVER		AUTH TMD	PLANNED DOW 36.40 (days)		DOL 10.79 (days)	DFS / KO 8.27 (days)	WATER DEPTH 504.90 (m)
SPUD DATE 21-12-2008	Rig Release		WELL SUPERVISOR IVAN PARKHURST / 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: 960,803		DHC: 12,821,699		
		DCC:			DCC:		DCC:		
		CWC:			CWC:		CWC:		
		Others:			Others:		Others:		
		TOTAL: 38,786,601			TOTAL: 960,803		TOTAL: 12,821,699		
DEFAULT DATUM / ELEVATION WELL / 21.50 (m)			LAST SAFETY MEETING 28/12/2008		BLOCK VIC-P59		FORMATION INTRA-GOLDEN BEACH		BHA HRS OF SERVICE 93.50
LAST SURVEY				LAST CSG SHOE TEST (EMW)		LAST CASING		NEXT CASING	
MD	2,911.89 (m)	INC	47.08°	AZM	192.03°	1.32 (sg)	340.000 mm @ 1,735.9 m		244.000 mm @ 3,231.1 m

CURRENT OPERATIONS: Directionally drilling 311mm (12-1/4") hole at 3163m.

24 HR SUMMARY: Directionally drilled 311mm (12-1/4") hole from 2449m to 2789m. Ave ROP 17.9m/hr. Made up new TDS saver sub after backing out same on connection. Continued drilling 311mm (12-1/4") hole from 2789m to 2939m. Ave ROP 37.5m/hr.

24 HR FORECAST: Circulate well clean and POH. R/U casing handling equipment. RIH 244mm (9-5/8") casing.

OPERATION SUMMARY

From	To	HRS	Phase	Operation	PT/NPT	NPT CODES	ACTIVITY SUMMARY
0:00	6:00	6.00	INT-DRL	DRLG	PP		Directionally drilled 311mm (12-1/4") hole from 2449m to 2545m. Ave ROP 16m/hr. Drilling Parameters: WOB: 6.8 - 9.1MT (15 - 20klbs). RPM: 180 - 200. TQ (ON): 27.1 - 40.7kN.m (20 - 30kft.lbs). TQ (OFF): 23.1 - 29.8kN.m (17 - 22kft.lbs). FLOW: 3.60m³/min (950gpm). SPP: 29,580kPa (4290psi) String Weights: UP: 170MT (375klbs). DOWN: 109MT (240klbs). ROTATING: 131MT (290klbs).
6:00	19:00	13.00	INT-DRL	DRLG	PP		Directionally drilled 311mm (12-1/4") hole from 2545m to 2789m. Ave ROP 18.8m/hr. Drilling Parameters: WOB: 6.8 - 9.1MT (15 - 20klbs). RPM: 180 - 200. TQ (ON): 27.1 - 40.7kN.m (20 - 30kft.lbs). TQ (OFF): 23.1 - 29.8kN.m (17 - 22kft.lbs). FLOW: 3.60m³/min (950gpm). SPP: 29,580kPa (4290psi) String Weights: UP: 181MT (400klbs). DOWN: 109MT (240klbs). ROTATING: 136MT (300klbs).
19:00	20:00	1.00	INT-DRL	RIGSER	PN	TD	DOWNTIME: Backed out TDS saver sub while making connection at 2789m. Removed guides from pipe handler and attempted to break out sub from 127mm (5") DP in rotary table - unsuccessful. POH and laid out 127mm (5") DP single and saver sub. Made up new saver sub and installed pipe handler guides. Picked up 127mm DP single from pipe rack and RIH.
20:00	0:00	4.00	INT-DRL	DRLG	PP		Directionally drilled 311mm (12-1/4") hole from 2789m to 2939m. Ave ROP 37.5m/hr. Drilling Parameters: WOB: 6.8 - 9.1MT (15 - 20klbs). RPM: 180 - 200. TQ (ON): 27.1 - 40.7kN.m (20 - 30kft.lbs). TQ (OFF): 23.1 - 29.8kN.m (17 - 22kft.lbs). FLOW: 3.48m³/min (920gpm). SPP: 29,786kPa (4320psi) String Weights: UP: 170MT (375klbs). DOWN: 109MT (240klbs). ROTATING: 131MT (290klbs).

24.00 = Total Hours Today

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06:00 UPDATE

0000-0600 Directionally drilled 311mm (12-1/4") hole from 2939m to 3163m. Ave ROP 37.3m/hr.

Drilling Parameters:

WOB: 5.4 - 8.2MT (12 - 18klbs). RPM: 180 - 200.
 TQ (ON): 31.2 - 40.7kN.m (23 - 30kft.lbs).
 TQ (OFF): 23.1 - 31.2kN.m (17 - 23kft.lbs).
 FLOW: 3.31m³/min (875gpm). SPP: 29,786kPa (4320psi)
 String Weights:
 UP: 181MT (400klbs). DOWN: 109MT (240klbs).
 ROTATING: 136MT (300klbs).

HSE: No accidents, incidents or pollution reported.
 Total Stop cards - 56 (14 unsafe, 42 safe). JSA - 25, PTW - 11.

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	SMITH	MDI619LBPX	JY4165	6x15	1,741.70 / 26-12-2008	-----

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	8/4	200/150	3,669.20	29,580	5341	6.00	85.00	14.2	25.50	765.00	30.0

LCM: 0

MUD PROPERTIES										MUD TYPE: KCL/POLYMER			
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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 (%)
61	19/30	9/12	6/0	1/10	0/0	0/5	10.80/0.00	1.90/4.00	51,000	120	0	0	6
Density (sg)	1.16	ECD (sg)	0.00	PP	DAILY COST	36,288	CUM COST	243,454	%OIL	2			

BHA	3	JAR S/N	14161088	BHA / HOLE CONDITIONS				JAR HRS	93.50	BIT	3
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BHA WT BELOW JARS	STRING WT UP	STRING WT DN	STRING WT ROT	TORQUE/UNITS	BHA LENGTH
29 (tonne)	170 (tonne)	111 (tonne)	134 (tonne)	41 (kN-m)	369.92 (m)

ITEM DESCRIPTION	NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
Heavy Weight Drill Pipe	17	158.53	127.00	79.38		
Hydraulic Jar	1	9.82	158.75	69.85		
Heavy Weight Drill Pipe	6	56.10	127.00	79.38		
Cross Over	1	0.99	200.02	73.02		
Drill Collar	12	111.00	209.50	69.85		
Integral Blade Stabilizer	1	1.85	393.70	76.20		
Logging While Drilling	1	8.24	279.40	92.08		
Logging While Drilling	1	8.58	241.30	82.55		
Logging While Drilling	1	5.82	241.30	76.20		
Steering Tool	1	8.67	311.00	76.20		7 5/8 REG
Polycrystalline Diamond Bit	1	0.32	311.00	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	2,450.66	47.81	190.49	1,956.16	-1,144.44	-233.50	1,166.61	1.88
NORMAL	2,478.84	48.10	188.61	1,975.03	-1,165.07	-236.97	1,187.46	1.52
NORMAL	2,508.14	47.94	186.94	1,994.63	-1,186.65	-239.92	1,209.10	1.28
NORMAL	2,536.37	47.51	185.61	2,013.62	-1,207.41	-242.20	1,229.78	1.14
NORMAL	2,565.82	47.20	185.03	2,033.57	-1,228.98	-244.21	1,251.17	0.54
NORMAL	2,593.04	47.16	184.77	2,052.07	-1,248.87	-245.91	1,270.87	0.21
NORMAL	2,621.78	46.94	185.02	2,071.66	-1,269.83	-247.71	1,291.62	0.30
NORMAL	2,652.25	46.94	185.68	2,092.46	-1,292.00	-249.78	1,313.61	0.47
NORMAL	2,681.03	47.22	185.81	2,112.06	-1,312.97	-251.89	1,334.44	0.31
NORMAL	2,709.84	46.82	186.04	2,131.70	-1,333.93	-254.07	1,355.29	0.45
NORMAL	2,739.48	46.85	187.83	2,151.98	-1,355.39	-256.68	1,376.73	1.32
NORMAL	2,758.61	46.81	189.97	2,165.07	-1,369.17	-258.84	1,390.62	2.45
NORMAL	2,796.37	46.99	190.90	2,190.87	-1,396.29	-263.83	1,418.13	0.56
NORMAL	2,824.69	47.29	191.91	2,210.13	-1,416.64	-267.94	1,438.86	0.85
NORMAL	2,854.10	47.11	191.50	2,230.11	-1,437.77	-272.31	1,460.41	0.36
NORMAL	2,883.26	47.10	190.89	2,249.96	-1,458.72	-276.46	1,481.74	0.46
NORMAL	2,911.89	47.08	192.03	2,269.45	-1,479.27	-280.63	1,502.68	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			573.00

MUD PUMPS/HYDRAULICS

SPR

	STROKE	SPM	LINER	FLOW	SPP: 29,580 (kPa)		SPM	PPSR
# 1	304.80	70	152.40	1144	HP: 0.430 (kW/cm ²)	PUMPS # 2	79/30/20/40	29,580/2,069/1,517/2,620
# 2	304.80	40	152.40	654				
# 3	304.80	78	152.40	1275				

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
BJ TRS	4		VETCO	1	
SUBSEA 7	3		BHI	6	
APACHE	5		DODI	54	
BRANDT	1		ANADRILL	5	
WEATHERFORD	1		DOWELL	3	
KEMTECH	2				

TOTAL PERSONNEL ON BOARD: 85

SUPPORT CRAFT

TYPE	REMARKS
FAR SKY	Geelong.
SWISSCO 168	On Location.
YARABAH	On Location.
HELICOPTER	JYN (Pax On - 5, Pax Off - 0).
FAR GRIP	On Location.

MATERIALS/CONSUMPTION

ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
BARITE BULK	MT		107	BENTONITE	MT		26
CEMENT	MT		34	DIESEL	m3		270
WATER, POTABLE	m3	25	368	WATER, DRILLING	m3	48	396

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WEATHER

TIME	SWELL HT/DIR/PER	WAVE HT/DIR/PER	WIND SPEED/DIR	GUST SPEED/DIR	TEMP
00:00	/ /230.00/3	1.00/240.00/12	/	18.0/230.00	

DECKLOG

MAX VDL	ACT VDL	AVG VDL	LEG PEN (BOW)	LEG PEN (PORT)	LEG PEN (S BOARD)
2560	2128	2128			

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	196	2	190	3	197
4	162	5	173	6	184
7	211	8	199	9	
10		11		12	

MUD INVENTORY

ITEM	UNIT	USAGE	Day Cost (\$)	ON HAND
SODA ASH- SOD.CARBONATE-Na2CO3	25.00 kg		0.00	10.00
SODIUM BICARBONATE - NaHCO3	25.00 kg		0.00	50.00
SAFE-CIDE	25.00 l		0.00	23.00
LIME	25.00 kg		0.00	0.00
GUAR GUM	25.00 kg		0.00	0.00
POLYSAI	25.00 kg		0.00	74.00
DRISPAC SL	50.00 lbs	30.00	3,665.70	158.00
BARITE (bulk)	1.00 MT		0.00	107.00
OMYACARB 10	25.00 kg		0.00	0.00
STAR GLIDE	55.00 gal		0.00	4.00
DEFOAM A	5.00 gal		0.00	17.00
FLOWZAN	25.00 kg	4.00	1,089.32	149.00
CAUSTIC SODA - NaOH	25.00 kg		0.00	17.00
KWIKSEAL (M)	40.00 lbs		0.00	108.00
CIRCAL 1000	25.00 kg		0.00	0.00
KWIKSEAL (F)	40.00 lbs		0.00	72.00
CIRCAL 60/16	25.00 kg		0.00	292.00
CITRIC ACID	25.00 kg		0.00	116.00
SOLTEX	50.00 lbs	48.00	4,256.16	200.00
NUT PLUG	50.00 lbs	14.00	281.96	14.00
BENTONITE	1.00 MT		0.00	24.00
SAPP	25.00 kg	5.00	267.55	35.00
CIRCAL Y	25.00 kg		0.00	96.00
CALCIUM CHLORIDE 74-77%	25.00 kg		0.00	69.00
KCL BRINE (1.15SG)	1.00 bbl	268.00	26,301.52	590.00
POLYPLUS	25.00 kg	5.00	426.20	19.00