

Daily Drilling Report

WELL NAME ELVER-1							DATE 21-12-2008	
API # OH		24 HRS PROG 379.00 (m)		TMD 952.00 (m)		TVD 939.66 (m)		REPT NO 4
RIG NAME NO OCEAN PATRIOT		FIELD NAME ELVER		AUTH TMD	PLANNED DOW 36.40 (days)	DOL 3.79 (days)	DFS / KO 1.27 (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: 1,007,361		DHC: 5,293,429		
		DCC:		DCC:		DCC:		
		CWC:		CWC:		CWC:		
		Others:		Others:		Others:		
		TOTAL: 38,786,601		TOTAL: 1,007,361		TOTAL: 5,293,429		
DEFAULT DATUM / ELEVATION WELL / 21.50 (m)		LAST SAFETY MEETING 20/12/2008		BLOCK VIC-P59		FORMATION INTRA-GOLDEN BEACH		BHA HRS OF SERVICE 1.50
LAST SURVEY				LAST CSG SHOE TEST (EMW)		LAST CASING		NEXT CASING
MD	924.90 (m)	INC	24.16°	AZM	198.53°	(sg)	762.000 mm @ 573.0 m	339.720 mm @ 1,800.0 m

CURRENT OPERATIONS: Directionally drilling 406mm (16") hole at 1159m.

24 HR SUMMARY: RIH conductor. Circulated and cemented same. POH landing string and L/O CART and cementing stinger. M/U and RIH 406mm (16") BHA. Tag cement and drill out float shoe. Drill 406mm (16") hole from 573m to 952m. Ave ROP 44.6m/hr.

24 HR FORECAST: Drill 406mm (16") hole to TD. Sweep and displace well to hi-vis PHG. POH and rack back 406mm (16") BHA.

OPERATION SUMMARY

From	To	HRS	Phase	Operation	PT/NPT	NPT CODES	ACTIVITY SUMMARY
0:00	0:30	0.50	C-CSG	WLHEAD	PP		Picked up 762mm (30") CART from derrick. Made up cementing stinger and latched CART into LPWHH in moonpool.
0:30	1:30	1.00	C-CSG	WLHEAD	PP		Made up guidelines to PGB guide posts. RIH PGB to splash zone while filling same with seawater. Confirmed full and closed ball valve on CART.
1:30	3:30	2.00	C-CSG	TRIP	PP		RIH conductor assembly on 127mm (5") DP to 509m.
3:30	4:00	0.50	C-CSG	WLHEAD	PP		Checked bullseye readings with ROV prior to stabbing into hole: Port Bulleye - 0.75° Stb Fwd, Fwd Bullseye - 0°. Untangled guideline #3 from guide post retaining pin with ROV assistance.
4:00	4:30	0.50	C-CSG	CSG	PP		RIH from 509m to 557m. Made up cementing stand and TDS. Washed down from 557m to tag bottom at 573m. Picked up 0.5m. Checked bullseye readings with ROV: Port Bulleye - 0.75° Stb Fwd, Fwd Bullseye - 0°.
4:30	5:30	1.00	C-CSG	CIRC	PP		Circulated conductor with seawater at 1.46m³/min (385gpm) and 1,379kPa (200psi). Held JSA for cement job while circulating.
5:30	6:30	1.00	C-CSG	CMT	PP		Pumped 1.6m³ (10bbbls) seawater and pressure tested surface lines to 10,342kPa (1500psi) for 5 minutes - OK. Pumped 3.2m³ (20bbbls) seawater fluorescene spacer. Mixed and pumped 39.43m³ (248bbbls) 1.9SG (15.8ppg) G cement slurry - fluorescene dye noted at seabed followed by cement returns. Displaced cement to float shoe with 10.97m³ (69bbbls) seawater. Checked floats holding - 0.16m³ (1bbl) bled back. Good returns throughout job.
6:30	7:30	1.00	C-CSG	RU_RD	PP		Rigged down surface lines and released CART from LPWHH. ROV checked PGB bulleyes: Port Bulleye - 0.5° Aft, Fwd Bullseye - 0.5° Aft.
7:30	9:30	2.00	C-CSG	TRIP	PP		POH 127mm (5") landing string from 524.5m to surface. Laid out CART to pipe deck. Laid out cementing stinger assembly.
9:30	13:30	4.00	S-DRL	TRIPBHA	PP		Picked up PDM and made up new PDC bit. Picked up LWD stand from derrick. Plugged into and initialised MWD while installing guide ropes in moonpool. RIH 406mm (16") BHA to 181m and shallow tested same at 2.65m³/min (700 gpm) and 6,205 kPa (900 psi) - OK.
13:30	14:00	0.50	S-DRL	TRIPBHA	PP		RIH remaining 127mm (5") HWDP to 377m.
14:00	14:30	0.50	S-DRL	TRIP	PP		RIH 406mm (16") BHA on 127mm (5") DP from 181m to LPWHH at 524.5m. Stabbed into LPWHH with ROV assistance and continued to RIH to tag cement at 564m with 4.5MT (10klbs).
14:30	15:30	1.00	S-DRL	DRLCMT	PP		Drilled out cement from 564m to 573m, Drilled out 508mm (20") shoe at 573m. Pumped 7.95m³ (50bbbls) hi-vis PHG sweep while rotating and reciprocating through shoe 3 times. Installed geograph line.
15:30	0:00	8.50	S-DRL	DRLG	PP		Drilled 406mm (16") hole riserless from 573m to KOP at 598m. Orientated PDM bend and continued directionally drilling 406mm (16") hole riserless from 598m to 952m (95% sliding, 5% rotating). Ave ROP 44.6m/hr.

Daily Drilling Report

WELL NAME ELVER-1				DATE 21-12-2008	
API # OH	24 HRS PROG 379.00 (m)	TMD 952.00 (m)	TVD 939.66 (m)	REPT NO 4	

OPERATION SUMMARY

From	To	HRS	Phase	Operation	PT/NPT	NPT CODES	ACTIVITY SUMMARY
							Pumped 7.95m³ (50bbls) hi-vis PHG sweeps mid-stand and 7.95m³ (50bbls) hi-vis PHG spotted around BHA on connections. Good returns noted at seabed with ROV.

24.00 = Total Hours Today

06:00 UPDATE

0000-0600 Directionally drilled 406mm (16") hole riserless from 952m to 1159m. (96% sliding, 4% rotating). Ave ROP 34.5m/hr.

Pumped 7.95m³ (50bbls) hi-vis PHG sweeps mid-stand and 7.95m³ (50bbls) hi-vis PHG spotted around BHA on connections. Good returns noted at seabed with ROV.

HSE: No accidents, incidents or pollution reported.
Total Stop cards - 63 (25 unsafe, 38 safe). JSA - 26, 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
2 / 1	406.0	SMITH	MDI619HPX	SCE471		573.00 / 21-12-2008	-----

BIT OPERATIONS

BIT / RUN	WOB	RPM	FLOW	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP
2/1	1/7	0/0	3,596.10	16,548	0	3.33	167.80	50.4	3.33	167.80	50.4

MOTOR OUTPUT

RPG:	ROTARY CURRENT: 0	TOTAL RPM: 95
LCM: 0	MUD PROPERTIES	
	MUD TYPE: FRESHWATER GEL	

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 (%)
115	12/61	36/39	0/0	0/0	0/0	0/25	9.00/0.00	0.20/0.70	1200	0	0	0	0
Density (sg)	1.05	ECD (sg)	0.00	PP	DAILY COST	5737	CUM COST	16,740	%OIL	0			

BHA	2	JAR S/N	17602018	BHA / HOLE CONDITIONS				JAR HRS	1.50	BIT	2
-----	---	---------	----------	-----------------------	--	--	--	---------	------	-----	---

BHA WT BELOW JARS	STRING WT UP	STRING WT DN	STRING WT ROT	TORQUE/UNITS	BHA LENGTH
29 (tonne)	113 (tonne)	113 (tonne)	113 (tonne)	0 (kN-m)	377.43 (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		
Cross Over	1	1.16	209.50	76.20		
Integral Blade Stabilizer	1	2.68	393.70	76.20		
Logging While Drilling	1	7.97	279.40	92.08		
Logging While Drilling	1	8.58	241.30	82.55		
Logging While Drilling	1	6.28	241.30	76.20		
Integral Blade Stabilizer	1	2.70	374.65	76.20		7 5/8 REG
Positive Displacement Motor	1	11.24	406.00	76.20		7 5/8 REG
Polycrystalline Diamond Bit	1	0.38	406.00			

Daily Drilling Report

WELL NAME ELVER-1				DATE 21-12-2008	
API # OH	24 HRS PROG 379.00 (m)	TMD 952.00 (m)	TVD 939.66 (m)	REPT NO 4	

SURVEY

TYPE	MD (m)	DEG (°)	AZI (°)	TVD (m)	+N/-S (m)	+E/-W (m)	V.SECT (m)	D.L (°/30m)
Tie On	554.25	0.49	286.81	554.25	-1.28	0.38	-1.28	0.00
NORMAL	607.72	1.24	217.66	607.71	-1.68	-0.19	-1.68	0.65
NORMAL	636.20	2.69	200.11	636.18	-2.55	-0.61	-2.56	1.64
NORMAL	654.71	3.57	195.42	654.66	-3.51	-0.91	-3.53	1.48
NORMAL	665.02	4.18	196.14	664.95	-4.18	-1.10	-4.20	1.78
NORMAL	683.35	5.48	194.23	683.21	-5.67	-1.50	-5.70	2.14
NORMAL	693.33	6.31	192.46	693.14	-6.67	-1.74	-6.70	2.55
NORMAL	722.44	8.87	187.91	721.99	-10.46	-2.39	-10.49	2.71
NORMAL	750.81	11.96	183.44	749.89	-15.56	-2.87	-15.60	3.38
NORMAL	779.60	13.45	184.94	777.97	-21.87	-3.33	-21.92	1.59
NORMAL	814.19	15.56	191.56	811.46	-30.43	-4.61	-30.50	2.32
NORMAL	842.98	19.18	194.58	838.94	-38.79	-6.57	-38.89	3.89
NORMAL	871.68	20.64	195.11	865.92	-48.24	-9.08	-48.38	1.54
NORMAL	895.45	22.55	194.03	888.02	-56.70	-11.28	-56.88	2.46
NORMAL	924.90	24.16	198.53	915.06	-67.90	-14.56	-68.13	2.45

CASING

S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
OH	CONDUCTOR	762.00			573.00

MUD PUMPS/HYDRAULICS

SPR

	STROKE	SPM	LINER	FLOW	SPP: 16,548 (kPa)		SPM	PPSR
# 1	304.80	75	152.40	1213	HP: 0.000 (kW/cm²)			
# 2	304.80	75	152.00	1207				
# 3	304.80	75	152.40	1226				

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
ANADRILL	4		WEST ENGINEERING	1	
APACHE	3		WEATHERFORD	1	
TRI-SURV	1		SUBSEA 7	6	
BHI	4		DODI	57	
KEMTECH	2		BJ TRS	4	
VETCO	1		DOWELL	2	

TOTAL PERSONNEL ON BOARD: 86

SUPPORT CRAFT

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

MATERIALS/CONSUMPTION

ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
BARITE BULK	MT		48	BENTONITE	MT		36
CEMENT	MT	48	18	DIESEL	m3	14	389
WATER, POTABLE	m3	23	348	WATER, DRILLING	m3	109	524

WEATHER

TIME	SWELL HT/DIR/PER	WAVE HT/DIR/PER	WIND SPEED/DIR	GUST SPEED/DIR	TEMP
00:00	/ /70.00/3	1.50/100.00/12	/	6.2/70.00	

Daily Drilling Report

WELL NAME ELVER-1				DATE 21-12-2008
API # OH	24 HRS PROG 379.00 (m)	TMD 952.00 (m)	TVD 939.66 (m)	REPT NO 4

DECKLOG

MAX VDL	ACT VDL	AVG VDL	LEG PEN (BOW)	LEG PEN (PORT)	LEG PEN (S BOARD)
2560	2070	2070			

SAFETY DRILLS

RAMS (kPa)	ANNULARS (kPa)	CASING	LAST BOP DRILL	NEXT BOP PRESS TEST	FIRE DRILL	H2S DRILL	MAN OVERBRD	ABND. DRILL
20-12-2008	20-12-2008				20-12-2008			20-12-2008

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	190	2	182	3	210
4	182	5	159	6	187
7	207	8	190	9	
10		11		12	

MUD INVENTORY

ITEM	UNIT	USAGE	Day Cost (\$)	ON HAND
SAFE-CIDE	25.00 l		0.00	5.00
BARITE (bulk)	1.00 MT		0.00	48.00
CALCIUM CHLORIDE 74-77%	25.00 kg	11.00	180.73	69.00
POLYPLUS	25.00 kg		0.00	24.00
KWIKSEAL (M)	40.00 lbs		0.00	72.00
POLYSAI	25.00 kg		0.00	74.00
KWIKSEAL (F)	40.00 lbs		0.00	36.00
GUAR GUM	25.00 kg		0.00	96.00
KCL BRINE (1.15SG)	1.00 bbl		0.00	0.00
BENTONITE	1.00 MT	15.00	5,509.20	36.00
FLOWZAN	25.00 kg		0.00	163.00
DEFOAM A	5.00 gal		0.00	19.00
NUT PLUG	50.00 lbs		0.00	28.00
DRISPAC SL	50.00 lbs		0.00	40.00
SODIUM BICARBONATE - NaHCO3	25.00 kg		0.00	62.00
CIRCAL 1000	25.00 kg		0.00	96.00
SAPP	25.00 kg		0.00	40.00
LIME	25.00 kg	5.00	47.10	37.00
CAUSTIC SODA - NaOH	25.00 kg		0.00	17.00
OMYACARB 10	25.00 kg		0.00	0.00
CIRCAL Y	25.00 kg		0.00	96.00
CIRCAL 60/16	25.00 kg		0.00	100.00
CITRIC ACID	25.00 kg		0.00	128.00
SODA ASH- SOD.CARBONATE-Na2CO3	25.00 kg		0.00	12.00
SOLTEX	50.00 lbs		0.00	159.00