

Daily Drilling Report

WELL NAME ELVER-1							DATE 20-12-2008	
API # OH		24 HRS PROG 573.00 (m)		TMD 573.00 (m)		TVD 573.00 (m)		REPT NO 3
RIG NAME NO OCEAN PATRIOT		FIELD NAME ELVER		AUTH TMD	PLANNED DOW 36.40 (days)	DOL 2.79 (days)	DFS / KO 0.27 (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: 1,157,318		DHC: 4,286,068		
		DCC:		DCC:		DCC:		
		CWC:		CWC:		CWC:		
		Others:		Others:		Others:		
		TOTAL: 38,786,601		TOTAL: 1,157,318		TOTAL: 4,286,068		
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	554.25 (m)	INC	0.49°	AZM	286.81°	(sg)	762.000 mm @ 573.0 m	339.720 mm @ 1,800.0 m

CURRENT OPERATIONS: Commencing conductor cement job.

24 HR SUMMARY: Completed running anchors and pretensioned same. M/U and RIH 914mm (36") BHA to tag seabed. Drilled 914mm (36") hole from 256m to 573m. Avg ROP 31m/hr. Displaced well and POH. Racked back BHA and downloaded MWD. M/U cementing stand.

24 HR FORECAST: RIH and cement conductor. WOC if required. POH landing string. M/U and RIH 406mm (16") PDM BHA.

OPERATION SUMMARY

From	To	HRS	Phase	Operation	PT/NPT	NPT CODES	ACTIVITY SUMMARY
0:00	6:00	6.00	R-MOB-DEM OB	ANCHOR	PP		Continued running secondary anchors. Anchor #7: 00:10hrs: Anchor on bottom. 01:39hrs: PCC passed to rig. Anchor #3: 00:10hrs: Anchor on bottom. 01:18hrs: PCC passed to rig. Anchor #2: 01:31hrs: PCC passed to Far Sky. 05:47hrs: Anchor on bottom. 07:45hrs: PCC passed to rig. Anchor #6: 01:50hrs: PCC passed to Far Grip. 05:22hrs: Anchor on bottom. 06:49hrs: PCC passed to rig. Offline: Rigged up 762mm (30") handling equipment. Picked up and flow checked 508mm (20") float shoe - OK.
6:00	12:30	6.50	R-MOB-DEM OB	ANCHOR	PP		Pretensioned anchors to 250MT (551klbs) - Anchor #1 slipping. 06:15hrs: Anchor #6 OK. 06:25hrs: Anchor #2 OK. 06:50hrs: Anchor #1 slipping. 07:23hrs: Anchor #4 OK. 07:23hrs: Anchor #8 OK. 07:30hrs: Anchor #7 OK. 07:32hrs: Anchor #3 OK. Anchor #1: 07:48hrs: PCC passed to Far Sky. 08:41hrs: Anchor off bottom. 09:04hrs: Anchor on bottom. 09:30hrs: Attempted to pretension Anchor #1 - slipping. 09:53hrs: Anchor off bottom. 10:33hrs: Anchor at Far Sky deck roller - orientation OK. 11:24hrs: Anchor on bottom.

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OPERATION SUMMARY

From	To	HRS	Phase	Operation	PT/NPT	NPT CODES	ACTIVITY SUMMARY
							12:25hrs: Anchor #1 successfully pretensioned to 250MT (551klbs). 12:08hrs: Anchor #5 OK. 12:25hrs: Anchor #1 OK. Note: Tri-Surv Positioning Notice attached. Final rig heading 235.3° T. Offline: Picked up and made up 2 x 762mm (30") intermediate joints and LPWHH/SMAC joint. Installed anti-rotation grub screws on Viper connections with Vetco assistance. Greased upper section of SMAC joint prior to RIH. Engaged CART, RIH and latched LPWHH into PGB. Skidded same to side on moonpool with BOP trolley. Conductor string filled to sea level with seawater once float shoe passed through splash zone.
12:30	14:30	2.00	C-DRL	TRIPBHA	PP		Picked up and made up ARC, Telescope MWD and Sonic Vision. Inspected and cleaned wet connects prior to make up. Made up 406mm (16") string stabilisers and pre-assembled 914mm (36") H/O and 660mm (26") pilot MT bit.
14:30	16:30	2.00	C-DRL	TRIPBHA	PP		RIH w/ same on 210mm (8-1/4") DC from derrick to 144m. Continued RIH BHA on 127mm (5") HWDP (including drilling jar) from derrick to 369m.
16:30	17:00	0.50	C-DRL	TRIP			RIH 914mm (36") BHA on 127mm (5") DP from 369m to tag seabed at 526.4m (AHD tide corrected). Confirmed same with ROV. 504.9m water depth at Elver-1 location.
17:00	17:30	0.50	C-DRL	DEVSUR	PP		Held JSA and discussed DODI shallow gas procedures prior to spudding well. Recorded MWD inclination survey prior to spud - 0.18°.
17:30	19:00	1.50	C-DRL	DRLG	PP		Drilled 914mm (36") hole from 526.4m to 572.9m (AHD tide corrected). Ave ROP 31m/hr. Note: Returns to seabed throughout seabed.
19:00	20:00	1.00	C-DRL	CIRC	PP		Swept well with 15.9m³ (100bbls) unweighted hi-vis PHG.
20:00	20:30	0.50	C-DRL	TRIP	PP		POH from 573m to 542m. Pumped out of hole with unweighted hi-vis PHG to 523m. Continued to POH to 514m and flushed pipe with seawater.
20:30	21:00	0.50	C-DRL	TRIP	PP		POH 914mm (36") BHA on 127mm (5") DP from 514m to 369m.
21:00	22:00	1.00	C-DRL	TRIPBHA	PP		POH 210mm (8-1/4") DC and racked back same in derrick. POH and racked back 127mm (5") HWDP (including drilling jar) in derrick.
22:00	22:30	0.50	C-DRL	MWD_LWD	PP		Plugged into MWD tools and downloaded same. Powered down tools and stood back in derrick.
22:30	23:30	1.00	C-DRL	TRIP	PP		Laid down float sub, 914mm (36") H/O and 660mm (26") pilot bit.
23:30	0:00	0.50	C-CSG	PU_LD	PP		Picked up and racked back cementing stand consisting of 127mm (5") DP single, TIW, side-entry sub, TIW and 127mm (5") DP double.

24.00 = Total Hours Today

06:00 UPDATE

0000-0600
 00:00 - 00:30hrs: Picked up 762mm (30") CART from derrick. Made up cementing stinger and latched CART into LPWHH in moonpool.
 00:30 - 01:30hrs: 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.
 01:30 - 03:30hrs: RIH conductor assembly on 127mm (5") DP to 509m.
 03:30 - 04:00hrs: 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.
 04:00 - 04:30hrs: 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°.
 04:30 - 05:30hrs: Circulated conductor with seawater at 1.46m³/min (385gpm) and 1,379kPa (200psi). Held JSA for cement job while circulating.
 05:30 - 06:00hrs: Pumped 1.6m³ (10bbls) seawater and pressure tested surface lines to 10,342kPa (1500psi) for 5 minutes - OK. Pumped 3.2m³ (20bbls) seawater spacer treated with fluorescene.

HSE: No accidents, incidents or pollution reported.
 Total Stop cards - 51 (18 unsafe, 33 safe). JSA - 29, PTW - 10.

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
1RR / 1	660.0	SMITH	XR+C	MZ1716	4x18	0.00 / 20-12-2008	1-1-WT-A-E-I-NO-TD

BIT OPERATIONS

BIT / RUN	WOB	RPM	FLOW	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP
1RR/1	1/3	80/120	4,542.50	13,100	7955	1.50	47.00	31.3	1.50	47.00	31.3

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LCM: 0	MUD PROPERTIES				MUD TYPE: FRESHWATER GEL
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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 (%)
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 (sg)	0.00	DAILY COST	11,003	CUM COST	11,003	%OIL	0
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BHA	1	JAR S/N	14161088	BHA / HOLE CONDITIONS				JAR HRS	1.50	BIT	1RR
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BHA WT BELOW JARS	STRING WT UP	STRING WT DN	STRING WT ROT	TORQUE/UNITS	BHA LENGTH
33 (tonne)	98 (tonne)	98 (tonne)	98 (tonne)	7 (kN-m)	369.74 (m)

ITEM DESCRIPTION	NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
Heavy Weight Drill Pipe	17	158.53	127.00	77.80		
Drilling Jar	1	9.82	171.50	77.80		
Heavy Weight Drill Pipe	6	56.10	127.00	77.80		
Cross Over	1	0.99	209.60	76.20		
Spiral Drill Collar	12	111.00	209.60	71.10		
Cross Over	1	0.46	241.30	101.60		
Integral Blade Stabilizer	1	2.68	393.70	76.20		
Logging While Drilling	1	7.97	241.30	101.60		
MWD Tool	1	8.58	241.30	107.90		
Logging While Drilling	1	6.28	241.30	88.90		
Integral Blade Stabilizer	1	2.70	374.70	76.20		
Float Sub	1	1.21	241.30	76.20		
Hole Opener	1	2.82	914.00			
Tri-Cone Bit	1	0.60	660.00			

SURVEY								
TYPE	MD (m)	DEG (°)	AZI (°)	TVD (m)	+N/-S (m)	+E/-W (m)	V.SECT (m)	D.L (°/30m)
Tie On	0.00	0.00	0.95	0.00	-1.32	0.50	-1.31	0.00
NORMAL	525.37	0.00	0.95	525.37	-1.32	0.50	-1.31	0.00
NORMAL	554.25	0.49	286.81	554.25	-1.28	0.38	-1.28	0.51

MUD PUMPS/HYDRAULICS					SPR		
STROKE	SPM	LINER	FLOW	SPP: 13,100 (kPa) HP: 0.176 (kW/cm²)	SPM	PPSR	
# 1	304.80	88	152.40		1438		
# 2	304.80	98	152.40		1602		
# 3	304.80	95	152.40		1553		

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

TOTAL PERSONNEL ON BOARD: 86

SUPPORT CRAFT	
TYPE	REMARKS
FAR SKY	Enroute to Geelong

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SUPPORT CRAFT

TYPE	REMARKS
HELICOPTER	JYC (Pax On - 3, Pax Off - 3).
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	19	48	BENTONITE	MT	15	23
CEMENT	MT		66	DIESEL	m3		403
WATER, POTABLE	m3	25	348	WATER, DRILLING	m3	263	620

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	

DECKLOG

MAX VDL	ACT VDL	AVG VDL	LEG PEN (BOW)	LEG PEN (PORT)	LEG PEN (S BOARD)
2560	2029	2029			

SAFETY DRILLS

RAMS (kPa)	ANNULARS (kPa)	CASING	LAST BOP DRILL	NEXT BOP PRESS TEST	FIRE DRILL	H2S DRILL	MAN OVERBRD	ABND. DRILL
14-12-2008	14-12-2008				14-12-2008			14-12-2008

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	191	2	181	3	213
4	180	5	160	6	186
7	209	8	192	9	
10		11		12	

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MUD INVENTORY

ITEM	UNIT	USAGE	Day Cost (\$)	ON HAND
BENTONITE	1.00 MT	15.00	5,509.20	23.00
CITRIC ACID	25.00 kg		0.00	128.00
SODIUM BICARBONATE - NaHCO3	25.00 kg		0.00	62.00
DEFOAM A	5.00 gal		0.00	19.00
KWIKSEAL (F)	40.00 lbs		0.00	36.00
FLOWZAN	25.00 kg		0.00	163.00
CIRCAL Y	25.00 kg		0.00	96.00
SOLTEX	50.00 lbs		0.00	159.00
KCL BRINE (1.15SG)	1.00 bbl		0.00	0.00
OMYACARB 10	25.00 kg		0.00	0.00
LIME	25.00 kg		0.00	42.00
POLYPLUS	25.00 kg		0.00	24.00
POLYSAI	25.00 kg		0.00	74.00
NUT PLUG	50.00 lbs		0.00	28.00
SODA ASH- SOD.CARBONATE-Na2CO3	25.00 kg	3.00	63.09	12.00
CALCIUM CHLORIDE 74-77%	25.00 kg		0.00	80.00
SAPP	25.00 kg		0.00	40.00
CIRCAL 1000	25.00 kg		0.00	96.00
CIRCAL 60/16	25.00 kg		0.00	100.00
GUAR GUM	25.00 kg		0.00	96.00
CAUSTIC SODA - NaOH	25.00 kg	3.00	99.33	17.00
DRISPAC SL	50.00 lbs		0.00	40.00
SAFE-CIDE	25.00 l		0.00	5.00
BARITE (bulk)	1.00 MT	19.00	5,331.59	48.00
KWIKSEAL (M)	40.00 lbs		0.00	72.00