

Daily Drilling Report

<b>WELL NAME</b> ELVER-1							<b>DATE</b> 29-12-2008		
<b>API #</b> OH		<b>24 HRS PROG</b> 309.90 (m)		<b>TMD</b> 3,248.90 (m)		<b>TVD</b> 2,497.92 (m)		<b>REPT NO</b> 12	
<b>RIG NAME NO</b> OCEAN PATRIOT		<b>FIELD NAME</b> ELVER		<b>AUTH TMD</b>	<b>PLANNED DOW</b> 36.40 (days)		<b>DOL</b> 11.79 (days)	<b>DFS / KO</b> 9.27 (days)	<b>WATER DEPTH</b> 504.90 (m)
<b>SPUD DATE</b> 21-12-2008	<b>Rig Release</b>		<b>WELL SUPERVISOR</b> IVAN PARKHURST / DAVID SYMINGTON			<b>OIM</b> DENNIS GORE		<b>PBTMD</b>	
<b>REGION</b> AUSTRALIA		<b>DISTRICT</b> OFFSHORE		<b>STATE / PROV</b> VICTORIA		<b>RIG PHONE NO</b> (08) 9338 5640		<b>RIG FAX NO</b>	
<b>AFE # 09408EF5</b>		<b>AFE COSTS</b>			<b>DAILY COSTS</b>			<b>CUMULATIVE COSTS</b>	
<b>DESCRIPTION:</b> Directional Exploration Well		DHC: 38,786,601			DHC: 980,597			DHC: 13,802,296	
		DCC:			DCC:			DCC:	
		CWC:			CWC:			CWC:	
		Others:			Others:			Others:	
		TOTAL: 38,786,601			TOTAL: 980,597			TOTAL: 13,802,296	
<b>DEFAULT DATUM / ELEVATION</b> WELL / 21.50 (m)			<b>LAST SAFETY MEETING</b> 29/12/2008		<b>BLOCK</b> VIC-P59		<b>FORMATION</b>		<b>BHA HRS OF SERVICE</b> 115.50

<b>LAST SURVEY</b>				<b>LAST CSG SHOE TEST (EMW)</b>		<b>LAST CASING</b>		<b>NEXT CASING</b>	
<b>MD</b>	3,248.91 (m)	<b>INC</b>	47.50°	<b>AZM</b>	192.00°	1.32 (sg)	340.000 mm @ 1,735.9 m	244.000 mm @ 3,231.1 m	

**CURRENT OPERATIONS:** POH 311mm (12-1/4") BHA on 127mm (5") DP at 1831m - hole condition good.

**24 HR SUMMARY:** Drilled 311mm (12-1/4") hole from 2939m to 3248.9m. Ave ROP 23.8m/hr. Swept well with hi-vis pill. Backreamed out of hole to 2502m. POH to 2329m. Commenced wiper trip and RIH to 3248.9m.

**24 HR FORECAST:** POH 311mm (12-1/4") BHA. 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	13:00	13.00	INT-DRL	DRLG	PP		Directionally drilled 311mm (12-1/4") hole from 2939m to 3248.9m - Section TD. Ave ROP 23.8m/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).
13:00	14:30	1.50	INT-DRL	CIRC	PP		Pumped 7.95m³ (50bbl) hi-vis sweep and circulated same from well at 3.12m³/min (825gpm) and 29,786kPa (4320psi). Reciprocated and rotated pipe at 200rpm while circulating. Note: Unable to detect sweep at shakers.
14:30	19:00	4.50	INT-DRL	BREAM	PP		Backreamed out of hole from 3248.9m to 2848m with 3.14m³/min (830gpm) and 29,786kPa (4320psi) at 200rpm. Attempted to POH on elevators from 2848m - encountered 54MT (120klbs) overpull at 2827m and unable to pass. Continued to backream out of hole from 2827m to 2733m with 3.14m³/min (830gpm) and 29,786kPa (4320psi) at 200rpm.
19:00	21:30	2.50	INT-DRL	BREAM	PP		Attempted to POH on elevators from 2733m - encountered 45MT (100klbs) overpull at 2725m and unable to pass. Continued to backream out of hole from 2725m to 2502m with 3.14m³/min (830gpm) and 29,786kPa (4320psi) at 200rpm.
21:30	22:00	0.50	INT-DRL	TRIP	PP		POH 127mm (5") DP on elevators from 2502m to 2329m. Encountered 22.7MT (50klbs) overpull and 9.1MT (20klbs) drag at 2375m. Wiped tight hole once - OK.
22:00	0:00	2.00	INT-DRL	STRIP	PP		RIH 127mm (5") DP from 2329m to 3248.9m. Ave tripping speed 460m/hr.

24.00 = Total Hours Today

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06:00 UPDATE

0000-0600 00:00 - 02:30hrs: Pumped 7.95m<sup>3</sup> (50bbl) hi-vis sweep. Commenced circulating well at 3.20m<sup>3</sup>/min (845gpm) and 29,304kPa (4250psi). Reciprocated and rotated pipe at 200rpm while circulating. Note: Unable to detect sweep at shakers. Cuttings volume over scalpers decreased after 1.1 x bottom's up. Well unloaded large amount of fines over lower screens after 1.25 x bottom's up. Continued circulating until 1.5 x bottom's up pumped and shakers clean - 464.6m<sup>3</sup> (2,922bbls) total. Boosted riser once sweep reached BOP.  
 02:30 - 06:00hrs: POH 127mm (5") DP from 3248.9m to 1831m. Ave tripping speed 405m/hr. Encountered tight hole from 2089m to 2022m. Max overpull 36.2MT (80klbs) and 13.6MT (30klbs) max drag. Worked pipe as required and wiped tight hole clean.

HSE: No accidents, incidents or pollution reported.  
 Total Stop cards - 64 (15 unsafe, 49 safe). JSA - 32, PTW - 13.

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	5/8	180/205	3,313.56	29,786	4469	25.00	632.00	25.3	50.50	1,397.00	27.7

LCM: 0 **MUD PROPERTIES** MUD TYPE: KCL/POLYMER

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 (%)
72	19/30	6/13	5/0	1/11	0/0	0/7	10.00/0.00	1.30/2.30	52,000	80	0	0	7

Density (sg)	1.17	ECD (sg)	0.00	PP	DAILY COST	40,147	CUM COST	283,602	%OIL	2
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BHA	3	JAR S/N	14161088	<b>BHA / HOLE CONDITIONS</b>				JAR HRS	115.50	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)	181 (tonne)	109 (tonne)	136 (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	2,940.84	47.29	192.22	2,289.08	-1,500.14	-284.75	1,523.92	0.26
NORMAL	2,970.00	47.44	190.87	2,308.84	-1,521.15	-289.05	1,545.35	1.03
NORMAL	3,026.15	47.23	191.55	2,346.89	-1,561.65	-297.07	1,586.57	0.29
NORMAL	3,055.92	46.90	192.68	2,367.17	-1,582.96	-301.65	1,608.35	0.90
NORMAL	3,084.82	47.15	192.29	2,386.87	-1,603.61	-306.22	1,629.48	0.39
NORMAL	3,142.18	47.27	192.87	2,425.83	-1,644.69	-315.39	1,671.56	0.23
NORMAL	3,171.47	47.35	193.07	2,445.69	-1,665.67	-320.22	1,693.08	0.17
NORMAL	3,199.83	47.71	192.78	2,464.84	-1,686.06	-324.90	1,713.99	0.44
NORMAL	3,225.02	47.61	192.02	2,481.81	-1,704.25	-328.90	1,732.60	0.68
PROJECTION	3,248.91	47.50	192.00	2,497.93	-1,721.49	-332.56	1,750.22	0.14

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: 29,786 (kPa)	SPM	PPSR
# 1	304.80	20	152.40	327	HP: 0.325 (kW/cm²)		
# 2	304.80	67	152.40	1095			
# 3	304.80	68	152.40	1112			

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
WEATHERFORD	1		BJ TRS	4	
DODI	56		VETCO	1	
BHI	6		BRANDT	1	
DOWELL	2		ANADRILL	5	
KEMTECH	2		APACHE	6	
SUBSEA 7	3				

TOTAL PERSONNEL ON BOARD: 87

SUPPORT CRAFT

TYPE	REMARKS
HELICOPTER	JYN (Pax On - 4, Pax Off - 2).
FAR SKY	Geelong.
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		107	BENTONITE	MT		26
CEMENT	MT		34	DIESEL	m3		395
WATER, POTABLE	m3	25	375	WATER, DRILLING	m3	96	301

WEATHER

TIME	SWELL HT/DIR/PER	WAVE HT/DIR/PER	WIND SPEED/DIR	GUST SPEED/DIR	TEMP
00:00	/ /240.00/3	2.00/240.00/12	/	13.9/240.00	

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DECKLOG

MAX VDL	ACT VDL	AVG VDL	LEG PEN (BOW)	LEG PEN (PORT)	LEG PEN (S BOARD)
2560	2052	2052			

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

<b>INCIDENTS TYPE</b> NONE	<b>LOST TIME?</b> NO	<b>INCIDENTS DESCRIPTION</b>
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ANCHOR TENSION DATA

ANCHOR NO	CURRENT TENSION	ANCHOR NO	CURRENT TENSION	ANCHOR NO	CURRENT TENSION
1	198	2	192	3	196
4	165	5	171	6	185
7	210	8	198	9	
10		11		12	

MUD INVENTORY

ITEM	UNIT	USAGE	Day Cost (\$)	ON HAND
CAUSTIC SODA - NaOH	25.00 kg		0.00	17.00
SOLTEX	50.00 lbs	40.00	3,546.80	160.00
KCL BRINE (1.15SG)	1.00 bbl	282.00	27,675.48	308.00
STAR GLIDE	55.00 gal		0.00	4.00
POLYSAI	25.00 kg		0.00	74.00
DEFOAM A	5.00 gal	4.00	378.00	13.00
POLYPLUS	25.00 kg		0.00	19.00
NUT PLUG	50.00 lbs		0.00	14.00
CIRCAL 1000	25.00 kg		0.00	0.00
CIRCAL 60/16	25.00 kg		0.00	292.00
SODA ASH- SOD.CARBONATE-Na2CO3	25.00 kg		0.00	10.00
OMYACARB 10	25.00 kg		0.00	0.00
KWIKSEAL (F)	40.00 lbs		0.00	72.00
CITRIC ACID	25.00 kg		0.00	116.00
BARITE (bulk)	1.00 MT		0.00	107.00
SAPP	25.00 kg		0.00	35.00
CALCIUM CHLORIDE 74-77%	25.00 kg		0.00	69.00
LIME	25.00 kg		0.00	0.00
SAFE-CIDE	25.00 l	5.00	503.45	18.00
CIRCAL Y	25.00 kg		0.00	96.00
FLOWZAN	25.00 kg	8.00	2,178.64	141.00
BENTONITE	1.00 MT		0.00	24.00
GUAR GUM	25.00 kg		0.00	0.00
DRISPAC SL	50.00 lbs	48.00	5,865.12	110.00
KWIKSEAL (M)	40.00 lbs		0.00	108.00
SODIUM BICARBONATE - NaHCO3	25.00 kg		0.00	50.00