

Daily Drilling Report

<b>WELL NAME</b> ELVER-1	<b>DATE</b> 22-12-2008
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<b>API #</b> OH	<b>24 HRS PROG</b> 789.70 (m)	<b>TMD</b> 1,741.70 (m)	<b>TVD</b> 1,485.01 (m)	<b>REPT NO</b> 5
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<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> 4.79 (days)	<b>DFS / KO</b> 2.27 (days)	<b>WATER DEPTH</b> 504.90 (m)
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<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>
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<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>
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<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 DCC: CWC: Others: TOTAL: 38,786,601	DHC: 961,018 DCC: CWC: Others: TOTAL: 961,018	DHC: 6,254,447 DCC: CWC: Others: TOTAL: 6,254,447

<b>DEFAULT DATUM / ELEVATION</b> WELL / 21.50 (m)	<b>LAST SAFETY MEETING</b> 22/12/2008	<b>BLOCK</b> VIC-P59	<b>FORMATION</b>	<b>BHA HRS OF SERVICE</b> 35.00
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<b>LAST SURVEY</b>	<b>LAST CSG SHOE TEST (EMW)</b>	<b>LAST CASING</b>	<b>NEXT CASING</b>
<b>MD</b> 1,741.00 (m) <b>INC</b> 51.90° <b>AZM</b> 191.50°	(sg)	762.000 mm @ 573.0 m	339.720 mm @ 1,735.9 m

**CURRENT OPERATIONS:** RIH 406mm (16") BHA on 127mm (5") DP at 982m.  
**24 HR SUMMARY:** Directionally drilled 406mm (16") hole from 952m to 1741m. Ave ROP 34.3m/hr. Swept well prior to conducting wiper trip.  
**24 HR FORECAST:** RIH and displace well to weighted hi-vis. POH and rack back BHA. L/O MWD tools. Run 340mm (13-3/8") casing.

OPERATION SUMMARY

From	To	HRS	Phase	Operation	PT/NPT	NPT CODES	ACTIVITY SUMMARY
0:00	23:00	23.00	S-DRL	DRLG	PP		Directionally drilled 406mm (16") hole riserless from 952m to 1741.7m Section TD (38% sliding, 62% rotating). Ave ROP 34.3m/hr.  Pumped 7.95m <sup>3</sup> (50bbls) hi-vis guar gum sweeps mid-stand and 7.95m <sup>3</sup> (50bbls) hi-vis PHG sweep spotted around BHA on connections from 952m to 1240m. Pumped hi-vis PHG only from 1240m to TD. Good returns noted at seabed with ROV.
23:00	0:00	1.00	S-DRL	CIRC	PP		Swept hole with 20.7m <sup>3</sup> (130bbls) guar gum sweep followed by 23.9m <sup>3</sup> (150bbls) hi-vis PHG. Reciprocated pipe from 1741m to 1712m and rotated at 120rpm while circulating sweeps from hole at 3.56m <sup>3</sup> /min (940gpm) and 21,719kPa (3150psi).

24.00 = Total Hours Today

06:00 UPDATE

0000-0600 00:00 - 04:00hrs: Back reamed out of hole from 1712m to 1184m at 120rpm with 3.56m<sup>3</sup>/min (940gpm) and 21,236kPa (3080psi). Pumped 7.95m<sup>3</sup> (50bbls) hi-vis PHG sweep each stand in tangent section from 1712m to 1184m. Ave reaming speed 132m/hr. Erratic torque observed from 1597m to 1453m fluctuating from 18.9kN.m (14kft.lbs) 25.8kN.m (19kft.lbs). No drag or overpull noted, no pump pressure increase or indications of pack off - hole condition good.  
 04:00 - 05:00hrs: POOH on elevators from 1184m (42° inc) to 508mm (20") float shoe at 573m. No overpull - hole condition good.  
 05:00 - 05:30hrs: Load tested Mud Pump #3 power end following replacement of motor - both motors operated separately but unable to equalise load-sharing settings. Work on Mud Pump #3 continued and remains out of service.  
 05:30 - 06:00hrs: RIH on elevators from 573m to 982m. Hole condition good with no drag encountered. Monitored drill string at PGB with ROV while RIH.  
  
 HSE: No accidents, incidents or pollution reported.  
 Total Stop cards - 93 (30 unsafe, 63 safe). JSA - 23, 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
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	2/9	105/105	3,798.50	26,270	0	26.41	911.69	34.5	29.74	1,079.49	36.3

MOTOR OUTPUT

RPG:	ROTARY CURRENT: 105	TOTAL RPM: 205
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LCM: 0	<b>MUD PROPERTIES</b>						MUD TYPE: FRESHWATER GEL
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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 (%)
110	6/52		0/0	0/0	0/0	0/25	9.00/0.00			0	0	0	0

Density (sg)	1.05	ECD (sg)	0.00	PP	DAILY COST	11,496	CUM COST	28,236	%OIL	0
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BHA	2	JAR S/N	14161088	<b>BHA / HOLE CONDITIONS</b>			JAR HRS	35.00	BIT	2
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BHA WT BELOW JARS	STRING WT UP	STRING WT DN	STRING WT ROT	TORQUE/UNITS	BHA LENGTH
29 (tonne)	136 (tonne)	118 (tonne)	104 (tonne)	22 (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			

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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	952.68	25.43	194.75	940.29	-79.32	-16.65	80.96	1.90
NORMAL	981.86	28.33	192.25	966.31	-92.15	-19.72	94.15	3.20
NORMAL	1,009.78	30.89	192.87	990.59	-105.61	-22.72	107.94	2.77
NORMAL	1,039.49	33.00	194.59	1,015.80	-120.88	-26.46	123.65	2.32
NORMAL	1,067.30	35.27	196.94	1,038.81	-135.89	-30.71	139.25	2.83
NORMAL	1,097.02	36.45	198.93	1,062.90	-152.45	-36.07	156.63	1.67
NORMAL	1,125.42	37.84	194.76	1,085.54	-168.86	-41.03	173.75	3.04
NORMAL	1,159.87	38.80	196.50	1,112.57	-189.43	-46.79	195.11	1.26
NORMAL	1,188.66	42.22	197.27	1,134.46	-207.32	-52.22	213.79	3.60
NORMAL	1,217.27	48.00	197.87	1,154.64	-226.63	-58.34	234.02	6.08
NORMAL	1,238.31	50.18	196.12	1,168.42	-241.84	-62.98	249.90	3.64
NORMAL	1,270.80	50.76	196.28	1,189.10	-265.90	-69.98	274.95	0.55
NORMAL	1,299.61	51.35	196.03	1,207.21	-287.42	-76.21	297.35	0.65
NORMAL	1,328.78	51.81	196.26	1,225.33	-309.38	-82.57	320.19	0.51
NORMAL	1,353.89	52.32	196.05	1,240.77	-328.40	-88.08	339.99	0.64
NORMAL	1,384.89	51.23	195.60	1,259.95	-351.83	-94.72	364.34	1.11
NORMAL	1,415.19	51.86	195.80	1,278.79	-374.67	-101.14	388.06	0.64
NORMAL	1,443.77	52.76	195.36	1,296.27	-396.45	-107.21	410.67	1.01
NORMAL	1,472.48	49.48	194.11	1,314.29	-418.06	-112.90	433.02	3.57
NORMAL	1,501.31	50.19	194.07	1,332.88	-439.43	-118.26	455.05	0.74
NORMAL	1,530.05	50.97	193.61	1,351.13	-460.99	-123.57	477.25	0.89
NORMAL	1,558.72	51.56	193.54	1,369.07	-482.73	-128.82	499.61	0.62
NORMAL	1,587.68	52.03	193.35	1,386.98	-504.86	-134.12	522.36	0.51
NORMAL	1,616.26	49.02	192.15	1,405.15	-526.37	-138.99	544.41	3.31
NORMAL	1,645.25	49.77	191.73	1,424.02	-547.91	-143.54	566.40	0.84
NORMAL	1,674.25	50.37	191.91	1,442.63	-569.67	-148.10	588.61	0.64
NORMAL	1,703.46	50.90	191.79	1,461.16	-591.78	-152.73	611.17	0.55
PROJECTION	1,741.00	51.90	191.50	1,484.58	-620.51	-158.66	640.47	0.82

## CASING

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

## MUD PUMPS/HYDRAULICS

## SPR

	STROKE	SPM	LINER	FLOW	SPP: 26,270 (kPa)	SPM	PPSR
# 1	304.80	118	152.40	1929	HP: 0.000 (kW/cm <sup>2</sup> )		
# 2	304.80	117	152.40	1913			
# 3	304.80						

## PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
VETCO	1		WEST ENGINEERING	1	
ANADRILL	5		BHI	4	
SUBSEA 7	6		DOWELL	2	
WEATHERFORD	1		DODI	57	
APACHE	4		KEMTECH	2	
BJ TRS	4				

TOTAL PERSONNEL ON BOARD: 87

## SUPPORT CRAFT

TYPE	REMARKS
HELICOPTER	JYA (Pax On - 4, Pax Off - 3).
FAR SKY	Enroute to Rig.
HELICOPTER	JYA (Pax On - 0, Pax Off - 0).

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## SUPPORT CRAFT

TYPE	REMARKS
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		84	BENTONITE	MT		32
CEMENT	MT		88	DIESEL	m3		368
WATER, POTABLE	m3	26	326	WATER, DRILLING	m3	205	595

## WEATHER

TIME	SWELL HT/DIR/PER	WAVE HT/DIR/PER	WIND SPEED/DIR	GUST SPEED/DIR	TEMP
00:00	/ /220.00/3	3.00/70.00/12	/	16.0/220.00	

## DECKLOG

MAX VDL	ACT VDL	AVG VDL	LEG PEN (BOW)	LEG PEN (PORT)	LEG PEN (S BOARD)
2560	2055	2055			

## SAFETY DRILLS

RAMS (kPa)	ANNULARS (kPa)	CASING	LAST BOP DRILL	NEXT BOP PRESS TEST	FIRE DRILL	H2S DRILL	MAN OVERBRD	ABND. DRILL
21-12-2008	21-12-2008				21-12-2008			21-12-2008

## 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	188	2	184	3	208
4	180	5	161	6	186
7	206	8	191	9	
10		11		12	

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## MUD INVENTORY

ITEM	UNIT	USAGE	Day Cost (\$)	ON HAND
DEFOAM A	5.00 gal	1.00	94.50	18.00
SODA ASH- SOD.CARBONATE-Na2CO3	25.00 kg		0.00	12.00
DRISPAC SL	50.00 lbs		0.00	40.00
NUT PLUG	50.00 lbs		0.00	28.00
LIME	25.00 kg		0.00	37.00
POLYPLUS	25.00 kg		0.00	24.00
GUAR GUM	25.00 kg	70.00	5,817.00	26.00
CIRCAL 60/16	25.00 kg		0.00	100.00
OMYACARB 10	25.00 kg		0.00	0.00
CALCIUM CHLORIDE 74-77%	25.00 kg		0.00	69.00
POLYSAI	25.00 kg		0.00	74.00
CIRCAL Y	25.00 kg		0.00	96.00
KCL BRINE (1.15SG)	1.00 bbl		0.00	0.00
KWIKSEAL (F)	40.00 lbs		0.00	36.00
CITRIC ACID	25.00 kg	10.00	442.50	118.00
BENTONITE	1.00 MT	14.00	5,141.92	32.00
KWIKSEAL (M)	40.00 lbs		0.00	72.00
SAFE-CIDE	25.00 l		0.00	5.00
SAPP	25.00 kg		0.00	40.00
SOLTEX	50.00 lbs		0.00	159.00
BARITE (bulk)	1.00 MT		0.00	83.00
CIRCAL 1000	25.00 kg		0.00	96.00
FLOWZAN	25.00 kg		0.00	163.00
SODIUM BICARBONATE - NaHCO3	25.00 kg		0.00	62.00
CAUSTIC SODA - NaOH	25.00 kg		0.00	17.00