

Daily Drilling Report

<b>WELL NAME</b> ELVER-1	<b>DATE</b> 10-01-2009
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<b>API #</b> OH	<b>24 HRS PROG</b> 332.00 (m)	<b>TMD</b> 5,096.00 (m)	<b>TVD</b> 3,797.16 (m)	<b>REPT NO</b> 24
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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> 23.79 (days)	<b>DFS / KO</b> 21.27 (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> PAT BROWN / KERRY PARKER	<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: 1,063,049 DCC: CWC: Others: TOTAL: 1,063,049	DHC: 28,864,791 DCC: CWC: Others: TOTAL: 28,864,791

<b>DEFAULT DATUM / ELEVATION</b> WELL / 21.50 (m)	<b>LAST SAFETY MEETING</b> 10/01/2009	<b>BLOCK</b> VIC-P59	<b>FORMATION</b> INTRA-GOLDEN BEACH	<b>BHA HRS OF SERVICE</b> 152.50
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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> 5,055.48 (m) <b>INC</b> 31.09° <b>AZM</b> 195.23°	1.60 (sg)	244.000 mm @ 3,243.9 m	

**CURRENT OPERATIONS:** Circulating while downlinking Schlumberger xceed tool to neutral position.

**24 HR SUMMARY:** Directionally drilled 216mm (8-1/2") hole from 4764m to 5096m.

**24 HR FORECAST:** Continue to drill ahead to section TD at 5462m

OPERATION SUMMARY

From	To	HRS	Phase	Operation	PT/NPT	NPT CODES	ACTIVITY SUMMARY
0:00	8:00	8.00	P-DRL	DRLG	PP		Directionally drilled 216mm (8-1/2") hole from 4764m to 4841m Ave ROP 9.62 m/hr. Schlumberger geograph line parted.
8:00	8:30	0.50	P-DRL	CIRC	PN	DE	DOWNTIME: Circulated, reciprocated and rotated drillstring whilst changing out Schlumberger geograph wire.
8:30	9:00	0.50	P-DRL	LOG	PN	DE	DOWNTIME: Relogged section from 4822m to 4838m, added 0.3% Radiagreen to active mud at 4841m due to torque maximum of 39kNm (30kftlbs). Changed TDS to low gear due to maximum torque reached in high gear of 39kNm (30kftlbs).
9:00	21:00	12.00	P-DRL	DRLG	PP		Directionally drilled 216mm (8-1/2") hole from 4841m to 5062m, Ave ROP 18.4 m/hr. NOTE: KOP at 4850m at 10:00hrs.
21:00	22:00	1.00	P-DRL	DRLG	PP		NOTE: At 4944m pumped a 3.17m3 (20 bbl) hi vis sweep at 1.19sg (10ppg), no noticable change in cuttings at shakers on bottoms up. At 4964m pumped a 6.35m3 (40bbl) hi vis sweep at 1.19sg (10ppg), 100% increase in cuttings (fines) at shakers on bottoms up.
21:00	22:00	1.00	P-DRL	DRLG	PP		Repeated rotary stalling at 5062m with 47.6 kNm ( 35 kft/lbs), circulated, backreamed to 5047m, attempted various parameters to drill, added 0.3% Radiagreen/ starglide to active mud system ( 5 drums), slight reduction in torque observed.
22:00	0:00	2.00	P-DRL	DRLG	PP		Directionally drilled 216mm (8-1/2") hole from 5062m to 5096m. Ave ROP 17 m/hr. Drilling Parameters: WOB: 2.3 - 18.1 MT (5 - 40klbs). RPM: 130-140. TQ (ON): 32.5 - 47.6 kNm (22 - 35kft.lbs). TQ (OFF): 28.5 - 47.6 kNm (21 - 35kft.lbs). FLOW: 2.31 - 2.46m³/min (610 - 650gpm). SPP: 30,338 kPa (4400psi) String Weights: UP: 204MT (450klbs). DOWN: 145MT (320klbs). ROTATING: 167 MT (370klbs). Boosted riser with 1.29m³/min (342 gpm) while drilling. Pumped through choke and kill lines.

24.00 = Total Hours Today

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06:00 UPDATE

0000-0600 00:00-02:30 Directionally drilled 216mm (8-1/2") hole from 5096m to 5148m. Ave ROP 20.8 m/hr.  
 Drilling Parameters:  
 WOB: 2.3 - 18.1 MT (5 - 40klbs). RPM: 130-140.  
 TQ (ON): 32.5 - 47.6 kNm (22 - 35kft.lbs).  
 TQ (OFF): 28.5 - 47.6 kNm (21 - 35kft.lbs).  
 FLOW: 2.31 - 2.46<sup>3</sup>/min (610 - 650gpm). SPP: 30,338 kPa (4400psi)  
 String Weights:  
 UP: 204MT (450klbs). DOWN: 145MT (320klbs).  
 ROTATING: 167 MT (370klbs).  
 Boosted riser with 1.29 <sup>3</sup>/min (342 gpm) while drilling.  
 Pumped through choke and kill lines.  
 02:30-06:00 Directionally drilled 216mm (8-1/2") hole from 5148m to 5180m with repeated rotary stalling at 47.6 kNm ( 35 kft/lbs) Ave ROP 9.14 m/hr. Attempted various parameters to drill, added 0.3% starglide to active mud system ( 5 drums) at 5148m, no reduction in torque observed. Decision made to backream OOH.  
 HSE: No accidents, incidents or pollution reported.  
 Total Stop cards - 71 (25 unsafe, 46 safe). JSA - 28, 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
5 / 1	216.0	HUGHES CHRISTENSEN	HC506ZX	7213298	2x14, 4x16	4,433.00 / 07-01-2009	-----

BIT OPERATIONS

BIT / RUN	WOB	RPM	FLOW	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP
5/1	18/18	130/130	3,980.18	30,338	5712	23.00	332.00	14.4	65.00	663.00	10.2

LCM: 0 MUD PROPERTIES MUD TYPE: KCL/POLYMER

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 (%)
57	20/22	5/9	4/0	1/10	0/0	0/7	10.00/0.00	1.30/3.00	57,000	150	0	0	5
Density (sg)	1.16	ECD (sg)	0.00	PP	DAILY COST	81,836	CUM COST	722,037	%OIL	4			

BHA 6 JAR S/N 17605011 BHA / HOLE CONDITIONS JAR HRS 152.50 BIT 5

BHA WT BELOW JARS	STRING WT UP	STRING WT DN	STRING WT ROT	TORQUE/UNITS	BHA LENGTH
14 (tonne)	192 (tonne)	138 (tonne)	156 (tonne)	39 (kN-m)	346.67 (m)

ITEM DESCRIPTION	NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
Heavy Weight Drill Pipe	26	242.35	127.00	79.38		
Hydraulic Jar	1	9.92	165.10	69.85		
Heavy Weight Drill Pipe	3	28.16	127.00	79.38		
Drill Collar	3	28.22	171.45	69.85		
Integral Blade Stabilizer	1	1.78	212.73	76.20		
Logging While Drilling	1	8.14	190.50	92.08		
Logging While Drilling	1	3.58	212.85	82.55		
Logging While Drilling	1	8.48	175.01	82.55		
Logging While Drilling	1	8.04	209.55	76.20		
Steering Tool	1	7.66	212.73	76.20		7 5/8 REG
Polycrystalline Diamond Bit	1	0.34	216.00	76.20		

SURVEY

TYPE	MD (m)	DEG (°)	AZI (°)	TVD (m)	+N/-S (m)	+E/-W (m)	V.SECT (m)	D.L (°/30m)
NORMAL	4,766.49	47.10	191.57	3,538.04	-2,802.45	-552.00	2,856.29	0.51
NORMAL	4,995.65	33.98	193.57	3,711.82	-2,947.57	-584.00	3,004.86	1.73
NORMAL	5,024.49	31.95	194.46	3,736.01	-2,962.80	-587.80	3,020.53	2.17
NORMAL	5,055.48	31.09	195.23	3,762.43	-2,978.46	-591.95	3,036.70	0.92

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## CASING

S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
OH	SURFACE	340.00	178.58	X 56	1,735.93
OH	CONDUCTOR	762.00		X 56	573.00
OH	INTERMEDIATE 1	244.00	69.94	L-80	3,243.90

## MUD PUMPS/HYDRAULICS

## SPR

	STROKE	SPM	LINER	FLOW	SPP: 30,338 (kPa)		SPM	PPSR
# 1	304.80	74	152.40	1197	HP: 1.034 (kW/cm <sup>2</sup> )			
# 2	304.80	100	152.40	1618				
# 3	304.80	74	152.40	1197				

## PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
Shell	3		BAKER ATLAS	7	
APACHE	5		BJ TRS	1	
DOWELL	2		KEMTECH	2	
BHI	6		WEST ENGINEERING	1	
ANADRILL	5		Catering	8	
SUBSEA 7	3		DODI	53	
BRANDT	1				

TOTAL PERSONNEL ON BOARD: 97

## SUPPORT CRAFT

TYPE	REMARKS
FAR SKY	Geelong
SWISSCO 168	On Loc
S-76	1 x Chopper pax in 6, pax out 5
YARABAH	On Loc
FAR GRIP	On Loc.

## MATERIALS/CONSUMPTION

ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
BARITE BULK	MT		97	BENTONITE	MT		26
CEMENT	MT		74	DIESEL	m3		493
WATER, POTABLE	m3	22	381	WATER, DRILLING	m3	36	565

## WEATHER

TIME	SWELL HT/DIR/PER	WAVE HT/DIR/PER	WIND SPEED/DIR	GUST SPEED/DIR	TEMP
23:00	/ /260.00/3	1.00/230.00/9	/	5.1/260.00	

## DECKLOG

MAX VDL	ACT VDL	AVG VDL	LEG PEN (BOW)	LEG PEN (PORT)	LEG PEN (S BOARD)
2560	1915	1915			

## 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	25-12-2008	14-01-2009	28-12-2008			28-12-2008

## INCIDENT REPORT

INCIDENTS TYPE NONE    LOST TIME? NO    INCIDENTS DESCRIPTION  
No incidents reported.

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ANCHOR TENSION DATA

ANCHOR NO	CURRENT TENSION	ANCHOR NO	CURRENT TENSION	ANCHOR NO	CURRENT TENSION
1	178	2	175	3	174
4	160	5	182	6	181
7	199	8	198	9	
10		11		12	

MUD INVENTORY

ITEM	UNIT	USAGE	Day Cost (\$)	ON HAND
NUT PLUG	50.00 lbs		0.00	14.00
SAFE-CIDE	25.00 l		0.00	11.00
CITRIC ACID	25.00 kg		0.00	80.00
DEFOAM A	5.00 gal		0.00	12.00
KCL (1.0 MT)	1.00 MT		0.00	8.00
LIME	25.00 kg		0.00	0.00
KCL BRINE (1.15SG)	1.00 bbl	660.00	64,772.40	0.00
CIRCAL 60/16	25.00 kg		0.00	84.00
GUAR GUM	25.00 kg		0.00	0.00
STAR GLIDE	208.00 l	3.00	4,945.98	25.00
STAR GLIDE	55.00 gal		0.00	0.00
SAPP	25.00 kg		0.00	35.00
RADIA GREEN EME B	185.00 l	7.00	11,028.50	0.00
SODIUM BICARBONATE - NaHCO3	25.00 kg		0.00	41.00
BARITE (bulk)	1.00 MT		0.00	97.00
POLYSAI	25.00 kg		0.00	74.00
KWIKSEAL (M)	40.00 lbs		0.00	108.00
SODA ASH- SOD.CARBONATE-Na2CO3	25.00 kg		0.00	10.00
CIRCAL Y	25.00 kg		0.00	96.00
POLYPLUS	25.00 kg		0.00	60.00
CIRCAL 1000	25.00 kg		0.00	96.00
KLA STOP	55.00 gal		0.00	16.00
KWIKSEAL (F)	40.00 lbs		0.00	72.00
OMYACARB 10	25.00 kg		0.00	0.00
CAUSTIC SODA - NaOH	25.00 kg		0.00	17.00
CALCIUM CHLORIDE 74-77%	25.00 kg		0.00	69.00
SOLTEX	50.00 lbs		0.00	160.00
DRISPAC SL	50.00 lbs		0.00	120.00
BENTONITE	1.00 MT		0.00	24.00
FLOWZAN	25.00 kg	4.00	1,089.32	134.00