

Daily Drilling Report

<b>WELL NAME</b> ELVER-1							<b>DATE</b> 08-01-2009	
<b>API #</b> OH		<b>24 HRS PROG</b> 166.00 (m)		<b>TMD</b> 4,599.00 (m)		<b>TVD</b> 3,422.16 (m)		<b>REPT NO</b> 22
<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> 21.79 (days)	<b>DFS / KO</b> 19.27 (days)	<b>WATER DEPTH</b> 504.90 (m)
<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>
<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: 1,064,059		DHC: 26,821,643		
		DCC:		DCC:		DCC:		
		CWC:		CWC:		CWC:		
		Others:		Others:		Others:		
		TOTAL: 38,786,601		TOTAL: 1,064,059		TOTAL: 26,821,643		
<b>DEFAULT DATUM / ELEVATION</b> WELL / 21.50 (m)		<b>LAST SAFETY MEETING</b> 8/01/2009		<b>BLOCK</b> VIC-P59		<b>FORMATION</b>		<b>BHA HRS OF SERVICE</b> 110.00
<b>LAST SURVEY</b>				<b>LAST CSG SHOE TEST (EMW)</b>		<b>LAST CASING</b>		<b>NEXT CASING</b>
<b>MD</b>	4,564.36 (m)	<b>INC</b>	46.67°	<b>AZM</b>	193.09°	1.60 (sg)	244.000 mm @ 3,243.9 m	

**CURRENT OPERATIONS:** Drilling 216mm (8-1/2") hole at 4663m.

**24 HR SUMMARY:** Continued to RIH from 3659m to 4056m washing and reaming as required, washed and reamed from 4056m to 4433m. Directionally drilled 216mm (8-1/2") hole from 4433m to 4599m. Ave ROP 9.22 m/hr.

**24 HR FORECAST:** Continue to drill 216mm (8-1/2") hole ahead.

OPERATION SUMMARY

From	To	HRS	Phase	Operation	PT/NPT	NPT CODES	ACTIVITY SUMMARY
0:00	1:30	1.50	P-DRL	TRIP	PP		RIH on elevators from 3659m to 3689m, commenced to take down weight . M/U TDS.
1:30	2:00	0.50	P-DRL	RMWASH	PP		Washed and reamed from 3689m to 3747m with 200 RPM, 2.54 m3/min (672 gpm) 29648 kPa (4300psi ) 34000Nm ( 25000ft/lbs) with minimum resistance.
2:00	2:30	0.50	P-DRL	TRIP	PP		RIH on elevators from 3747m to 4056m, commenced to take down weight. M/U TDS.
2:30	6:00	3.50	P-DRL	RMWASH	PP		Difficulty establishing rotation, worked pipe, established rotation, washed and reamed from 4056m to 4433m with 145-200 RPM , 2.54 m3/min (672 gpm) 29648 kPa (4300psi ) 34000Nm ( 25000ft/lbs), ( 04:30hrs, changed to low gear on TDS at 4265m after difficulty reaming up) Note: Excessive cuttings at shakers while reaming to bottom. Note: Maximum of 140 RPM in low TDS gear. Note: Centrefuge had a bearing failure on drive end main bearing at 05:30 hrs. Note: # 1 pump pop off blew while bringing pumps up after connection prior to drilling 4433m. Note : Apache informed of power limit problem on Engine control system at 06:00 hrs.( Currently bypassed).
6:00	0:00	18.00	P-DRL	DRLG	PP		Directionally drilled 216mm (8-1/2") hole from 4433m to 4599m. Ave ROP 9.22 m/hr. Added 0.5% Starglide to active mud while drilling at 4455m and 4530m - no notable changes in torque or drag, slight reduction in stick/ slip. Changed from low gear on TDS back to high gear at 4468m.  Drilling Parameters: WOB: 2.3 - 22.7MT (5 - 50klbs). RPM: 140-200. TQ (ON): 32.5 - 39.3kN.m (22 - 29kft.lbs). TQ (OFF): 28.5 - 33.9kN.m (21 - 25kft.lbs). FLOW: 2.31 - 2.46³/min (610 - 650gpm). SPP: 30,338 kPa (4400psi) String Weights: UP: 185MT (410klbs). DOWN: 136MT (300klbs). ROTATING: 156 MT (345klbs).

24.00 = Total Hours Today

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06:00 UPDATE

0000-0600 00:00-06:00 Directionally drilled 216mm (8-1/2") hole from 4599m to 4663m, Ave ROP 10.6 m/hr.  
 Drilling Parameters:  
 WOB: 2.3 - 22.7MT (5 - 50klbs). RPM: 140-200.  
 TQ (ON): 32.5 - 39.3kN.m (22 - 29kft.lbs).  
 TQ (OFF): 28.5 - 33.9kN.m (21 - 25kft.lbs).  
 FLOW: 2.31 - 2.46<sup>3</sup>/min (610 - 650gpm). SPP: 30,338 kPa (4400psi)  
 String Weights:  
 UP: 185MT (410klbs). DOWN: 136MT (300klbs).  
 ROTATING: 156 MT (345klbs).  
  
 HSE: No accidents, incidents or pollution reported.  
 Total Stop cards - 66 (16 unsafe, 50 safe). JSA - 28, PTW - 14

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	23/23	200/200	3,980.18	30,338	5712	18.00	166.00	9.2	18.00	166.00	9.2

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 (%)
65	17/26	6/10	4/0	1/9	0/0	0/7	10.00/0.00	1.40/2.80	60,000	180	0	0	4
Density (sg)	1.15	ECD (sg)	0.00	PP	DAILY COST	73,812	CUM COST	618,379	%OIL	4			

BHA 6 JAR S/N 17605011 BHA / HOLE CONDITIONS JAR HRS 110.00 BIT 5

BHA WT BELOW JARS	STRING WT UP	STRING WT DN	STRING WT ROT	TORQUE/UNITS	BHA LENGTH
14 (tonne)	185 (tonne)	136 (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	4,506.38	46.56	190.59	3,358.64	-2,619.33	-508.50	2,668.24	0.42
NORMAL	4,535.67	46.83	191.23	3,378.73	-2,640.26	-512.54	2,689.55	0.55
NORMAL	4,564.36	46.67	193.09	3,398.39	-2,660.69	-516.94	2,710.44	1.43

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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	73	152.40	1181	HP: 1.034 (kW/cm <sup>2</sup> )			
# 2	304.80	73	152.40	1181				
# 3	304.80	100	152.40	1618				

## PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
SUBSEA 7	3		BHI	6	
Catering	8		APACHE	5	
DOWELL	2		DODI	52	
Shell	3		KEMTECH	2	
WEST ENGINEERING	1		BAKER ATLAS	7	
BJ TRS	1		ANADRILL	5	
BRANDT	1				

TOTAL PERSONNEL ON BOARD: 96

## SUPPORT CRAFT

TYPE	REMARKS
FAR SKY	Geelong
SWISSCO 168	On Loc
S-76	1 x Chopper pax in 5, pax out 2.
YARABAH	On Loc
FAR GRIP	On Loc at noon

## MATERIALS/CONSUMPTION

ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
BARITE BULK	MT		97	BENTONITE	MT		26
CEMENT	MT		74	DIESEL	m3		542
WATER, POTABLE	m3	28	356	WATER, DRILLING	m3	24	734

## WEATHER

TIME	SWELL HT/DIR/PER	WAVE HT/DIR/PER	WIND SPEED/DIR	GUST SPEED/DIR	TEMP
00:00	/ /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	1958	1958			

## 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		08-01-2009	28-12-2008

## INCIDENT REPORT

<b>INCIDENTS TYPE</b> NONE	<b>LOST TIME?</b> NO	<b>INCIDENTS DESCRIPTION</b> No incidents reported today.
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ANCHOR TENSION DATA

ANCHOR NO	CURRENT TENSION	ANCHOR NO	CURRENT TENSION	ANCHOR NO	CURRENT TENSION
1	178	2	175	3	176
4	163	5	182	6	183
7	199	8	197	9	
10		11		12	

MUD INVENTORY

ITEM	UNIT	USAGE	Day Cost (\$)	ON HAND
SOLTEX	50.00 lbs	15.00	1,330.05	275.00
STAR GLIDE	55.00 gal		0.00	0.00
CALCIUM CHLORIDE 74-77%	25.00 kg		0.00	69.00
LIME	25.00 kg		0.00	0.00
CIRCAL 1000	25.00 kg		0.00	96.00
POLYPLUS	25.00 kg		0.00	65.00
KCL BRINE (1.15SG)	1.00 bbl	430.00	42,200.20	0.00
CIRCAL 60/16	25.00 kg	48.00	849.12	108.00
NUT PLUG	50.00 lbs		0.00	14.00
SODIUM BICARBONATE - NaHCO3	25.00 kg		0.00	41.00
KLA STOP	55.00 gal		0.00	16.00
SODA ASH- SOD.CARBONATE-Na2CO3	25.00 kg		0.00	10.00
SAPP	25.00 kg		0.00	35.00
DRISPAC SL	50.00 lbs	20.00	2,443.80	146.00
CAUSTIC SODA - NaOH	25.00 kg		0.00	17.00
BARITE (bulk)	1.00 MT		0.00	97.00
BENTONITE	1.00 MT		0.00	24.00
KWIKSEAL (F)	40.00 lbs		0.00	72.00
STAR GLIDE	208.00 l	14.00	23,081.24	28.00
OMYACARB 10	25.00 kg		0.00	0.00
DEFOAM A	5.00 gal	1.00	94.50	12.00
KCL (1.0 MT)	1.00 MT		0.00	8.00
CIRCAL Y	25.00 kg		0.00	96.00
FLOWZAN	25.00 kg	14.00	3,812.62	162.00
SAFE-CIDE	25.00 l		0.00	12.00
GUAR GUM	25.00 kg		0.00	0.00
POLYSAI	25.00 kg		0.00	74.00
CITRIC ACID	25.00 kg		0.00	84.00
KWIKSEAL (M)	40.00 lbs		0.00	108.00