

Daily Drilling Report

WELL NAME ELVER-1				DATE 07-01-2009	
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API # OH	24 HRS PROG 0.00 (m)	TMD 4,433.00 (m)	TVD 3,308.25 (m)	REPT NO 21
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RIG NAME NO OCEAN PATRIOT	FIELD NAME ELVER	AUTH TMD	PLANNED DOW 36.40 (days)	DOL 20.79 (days)	DFS / KO 18.27 (days)	WATER DEPTH 504.90 (m)
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SPUD DATE 21-12-2008	Rig Release	WELL SUPERVISOR PAT BROWN / KERRY PARKER	OIM DENNIS GORE	PBTMD
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REGION AUSTRALIA	DISTRICT OFFSHORE	STATE / PROV VICTORIA	RIG PHONE NO (08) 9338 5640	RIG FAX NO
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AFE # 09408EF5	AFE COSTS	DAILY COSTS	CUMULATIVE COSTS
DESCRIPTION: Directional Exploration Well	DHC: 38,786,601 DCC: CWC: Others: TOTAL: 38,786,601	DHC: 2,205,319 DCC: CWC: Others: TOTAL: 2,205,319	DHC: 25,757,584 DCC: CWC: Others: TOTAL: 25,757,584

DEFAULT DATUM / ELEVATION WELL / 21.50 (m)	LAST SAFETY MEETING 7/01/2009	BLOCK VIC-P59	FORMATION	BHA HRS OF SERVICE 89.00
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LAST SURVEY	LAST CSG SHOE TEST (EMW)	LAST CASING	NEXT CASING
MD 4,433.00 (m) INC 46.70° AZM 192.00°	1.60 (sg)	244.000 mm @ 3,243.9 m	

CURRENT OPERATIONS: Drilling 216mm (8.5") hole ahead at 4433m.

24 HR SUMMARY: Cont L/O BHA # 5, downloaded MWD data, M/U BHA # 6, RIH to 2370m picking up 168 joints hi torque DP to 2370m, Circ, POH to 750m, RIH to 3226m, troubleshooted TDS power problems. changed dolly roller, RIH to 3653m, washed and reamed from 3653m to 3659m.

24 HR FORECAST: Continue to RIH to 4433m, commence to directionally drill 216mm hole from 4433m to section TD.

OPERATION SUMMARY

From	To	HRS	Phase	Operation	PT/NPT	NPT CODES	ACTIVITY SUMMARY
0:00	0:30	0.50	P-DRL	MWD_LWD	PP		Laid out SonicVision to catwalk. Commenced downloading data offline and installed new battery.
0:30	2:00	1.50	P-DRL	MWD_LWD	PP		Removed RA sources. Broke off bit and made up new PDC bit. Installed RA sources and made up SonicVision. RIH w/ same to 36m.
2:00	2:30	0.50	P-DRL	TRIPBHA	PP		Picked up and RIH 1 x 171mm (6-3/4") DC stand and 1 x 127mm (5") HWDP stand from derrick to 94m.
2:30	3:00	0.50	P-DRL	MWD_LWD	PP		Made up TDS and shallow tested MWD tools at 1.70m³/min (450gpm) and 3,654kPa (530psi) - OK.
3:00	3:30	0.50	P-DRL	TRIPBHA	PP		RIH 127mm (5") HWDP from derrick to 346m.
3:30	4:30	1.00	P-DRL	TRIP	PP		RIH 127mm (5") NC50 DP from derrick from 346m to 750m. Avg tripping speed 404m/hr.
4:30	11:30	7.00	P-DRL	TRIP	PP		Held JSA. Picked up and RIH 127mm (5") GDPS DP singles from 750m to 2370m. Avg tripping speed 24 joints/hr. Total joints picked up = 168.
11:30	12:00	0.50	P-DRL	CIRC	PP		Circulated capacity of drillpipe with 3.02 m³/min (800gpm), Displaced choke and kill lines to new 1.15sg (9.5ppg) mud.
12:00	14:30	2.50	P-DRL	TRIP	PP		Pumped 4.7m3 (30bbbls) of 1.39sg (11.6ppg) slug, POH from 2370m to 750m.
14:30	19:00	4.50	P-DRL	TRIP	PP		RIH from 750m to 3226m filling pipe every 25 stands.
19:00	19:30	0.50	P-DRL	RIGSER	PP		Serviced TDS and travelling block, loose dolly wheel found during routine inspection of TDS components.
19:30	22:30	3.00	P-DRL	TRIP	PN	EF	DOWNTIME: Power problems observed with TDS not being able to maintain drilling torque, problem reported to be # 1 generator line up issue. Attempted various line ups until acceptable rotating torque observed. DODI to continue problem solving issue with shore base tomorrow. NOTE: Changed out dolly roller on TDS while troubleshooting TDS torque problem.
22:30	23:00	0.50	P-DRL	TRIP	PP		RIH from 3226m to 3653m.Unable to pass with 36.2 MT (80klbs) Made up TDS.
23:00	0:00	1.00	P-DRL	RMWASH	PP		Difficulty establishing circulation due to packing off, worked pipe, established flow and rotation, washed and reamed from 3653 to 3659m with 2.08 m³/min (550gpm), 25511kPa (3700psi), 200RPM, 34000 Nm, 25,000ft/lbs.

24.00 = Total Hours Today

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06:00 UPDATE

0000-0600 00:00-01:30 RIH on elevators from 3659m to 3689m, commenced to take down weight. M/U TDS.
 01:30-02:00 Washed and reamed from 3689m to 3747m with 200 RPM, 2.54 m3/min (672 gpm) 29648 kPa (4300psi) 34000Nm (25000ft/lbs).
 02:00-02:30 RIH on elevators from 3747m to 4056m, commenced to take down weight. M/U TDS.
 02:30- 06:00 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: 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.
 HSE: No accidents, incidents or pollution reported.
 Total Stop cards - 87 (25 unsafe, 62 safe). JSA - 28, PTW - 16

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	-----
4RR / 2	216.0	SMITH	Mi716VWEBP X	JY7487	7x13	3,253.00 / 02-01-2009	3-1-CT-A-X-I-ER-PR

LCM: 0	MUD PROPERTIES										MUD TYPE: KCL/POLYMER			
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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 (%)
60	18/22	6/8	5/0	1/10	0/0	0/7	10.00/0.00	1.60/3.00	60,000	220	0	0	5

Density (sg)	1.15	ECD (sg)	0.00	PP	DAILY COST	708	CUM COST	544,567	%OIL	4
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BHA	6	JAR S/N	17605011	BHA / HOLE CONDITIONS				JAR HRS	89.00	BIT	5
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BHA WT BELOW JARS (tonne)	STRING WT UP (tonne)	STRING WT DN (tonne)	STRING WT ROT (tonne)	TORQUE/UNITS (kN-m)	BHA LENGTH (m)
					346.67

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		

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:	SPM	PPSR
# 1	304.80	60	152.40	971			
# 2	304.80	64	152.40	1035			
# 3	304.80	64	152.40	1035			

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PERSONNEL DATA

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

TOTAL PERSONNEL ON BOARD: 93

SUPPORT CRAFT

TYPE	REMARKS
FAR SKY	
SWISSCO 168	On Location.
S-36	1 x Chopper pax in 8, pax out 5.
YARABAH	On Location.
FAR GRIP	

MATERIALS/CONSUMPTION

ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
BARITE BULK	MT		97	BENTONITE	MT		26
CEMENT	MT		74	DIESEL	m3		565
WATER, POTABLE	m3	24	350	WATER, DRILLING	m3	12	758

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	1988	1988			

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

INCIDENTS TYPE NONE LOST TIME? NO INCIDENTS DESCRIPTION
No Incidents today.

ANCHOR TENSION DATA

ANCHOR NO	CURRENT TENSION	ANCHOR NO	CURRENT TENSION	ANCHOR NO	CURRENT TENSION
1	177	2	176	3	177
4	162	5	181	6	183
7	200	8	196	9	
10		11		12	

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MUD INVENTORY

ITEM	UNIT	USAGE	Day Cost (\$)	ON HAND
CIRCAL 1000	25.00 kg		0.00	96.00
SOLTEX	50.00 lbs		0.00	290.00
LIME	25.00 kg		0.00	0.00
SODIUM BICARBONATE - NaHCO3	25.00 kg		0.00	41.00
GUAR GUM	25.00 kg		0.00	0.00
STAR GLIDE	208.00 l		0.00	42.00
KWIKSEAL (M)	40.00 lbs		0.00	108.00
CALCIUM CHLORIDE 74-77%	25.00 kg		0.00	69.00
DEFOAM A	5.00 gal		0.00	13.00
POLYSAI	25.00 kg		0.00	74.00
KCL (1.0 MT)	1.00 MT		0.00	8.00
CIRCAL Y	25.00 kg		0.00	96.00
POLYPLUS	25.00 kg		0.00	65.00
DRISPAC SL	50.00 lbs		0.00	166.00
CITRIC ACID	25.00 kg		0.00	84.00
NUT PLUG	50.00 lbs		0.00	14.00
KCL BRINE (1.15SG)	1.00 bbl		0.00	0.00
FLOWZAN	25.00 kg		0.00	176.00
SAFE-CIDE	25.00 l		0.00	12.00
CIRCAL 60/16	25.00 kg	40.00	707.60	156.00
SAPP	25.00 kg		0.00	35.00
OMYACARB 10	25.00 kg		0.00	0.00
CAUSTIC SODA - NaOH	25.00 kg		0.00	17.00
KLA STOP	55.00 gal		0.00	16.00
STAR GLIDE	55.00 gal		0.00	0.00
BARITE (bulk)	1.00 MT		0.00	97.00
KWIKSEAL (F)	40.00 lbs		0.00	72.00
BENTONITE	1.00 MT		0.00	24.00
SODA ASH- SOD.CARBONATE-Na2CO3	25.00 kg		0.00	10.00