

Daily Drilling Report

WELL NAME ELVER-1							DATE 06-01-2009		
API # OH		24 HRS PROG 198.00 (m)		TMD 4,433.00 (m)		TVD 3,308.25 (m)		REPT NO 20	
RIG NAME NO OCEAN PATRIOT		FIELD NAME ELVER		AUTH TMD	PLANNED DOW 36.40 (days)	DOL 19.79 (days)	DFS / KO 17.27 (days)	WATER DEPTH 504.90 (m)	
SPUD DATE 21-12-2008	Rig Release		WELL SUPERVISOR PAT BROWN / DAVID SYMINGTON			OIM DENNIS GORE		PBTMD	
REGION AUSTRALIA		DISTRICT OFFSHORE		STATE / PROV VICTORIA		RIG PHONE NO (08) 9338 5640		RIG FAX NO	
AFE # 09408EF5		AFE COSTS			DAILY COSTS		CUMULATIVE COSTS		
DESCRIPTION: Directional Exploration Well		DHC: 38,786,601			DHC: 2,151,477		DHC: 23,552,265		
		DCC:			DCC:		DCC:		
		CWC:			CWC:		CWC:		
		Others:			Others:		Others:		
		TOTAL: 38,786,601			TOTAL: 2,151,477		TOTAL: 23,552,265		
DEFAULT DATUM / ELEVATION WELL / 21.50 (m)			LAST SAFETY MEETING 6/01/2009		BLOCK VIC-P59		FORMATION		BHA HRS OF SERVICE 89.00
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: RIH P/U 127mm (5") GPDS DP.

24 HR SUMMARY: Directionally drilled 216mm (8-1/2") hole from 4235m to 4433m. Ave ROP 12.4m/hr. Circulated well and POH to 244mm (9-5/8") shoe. L/O 60 joints 127mm (5") NC50 DP. POH to Sonic Vision LWD tool at 36m.

24 HR FORECAST: RIH P/U 127mm (5") GPDS DP. RIH and directionally drill 216mm (8-1/2") hole.

OPERATION SUMMARY

From	To	HRS	Phase	Operation	PT/NPT	NPT CODES	ACTIVITY SUMMARY
0:00	14:00	14.00	P-DRL	DRLG	PP		Directionally drilled 216mm (8-1/2") hole from 4235m to 4433m. Ave ROP 12.4m/hr. Drilling Parameters: WOB: 2.3 - 22.7MT (5 - 50klbs). RPM: 210. TQ (ON): 32.5 - 39.3kN.m (24 - 29kft.lbs). TQ (OFF): 28.5 - 33.9kN.m (21 - 25kft.lbs). FLOW: 2.31 - 2.65m³/min (610 - 700gpm). SPP: 30,200kPa (4380psi) String Weights: UP: 191MT (420klbs). DOWN: 127MT (280klbs). ROTATING: 150MT (330klbs).
14:00	14:30	0.50	P-DRL	CIRC	PP		Circulated well at 2.31m³/min (610gpm) and 29,993kPa (4350psi). Downlinked to Xceed and placed same into home mode while circulating. Conducted flow check - well static.
14:30	17:30	3.00	P-DRL	TRIP	PP		POH 127mm (5") DP from 4433m to 3225m. Ave tripping speed 403m/hr. Racked back same in derrick.
17:30	18:00	0.50	P-DRL	RU_RD	PP		Conducted flow check at 244mm (9-5/8") shoe - well static. Held trip drill. Installed mouse hole and rigged up for laying out 127mm (5") DP. Installed wiper rubbers.
18:00	20:00	2.00	P-DRL	PU_LD	PP		POH and laid out 127mm (5") DP singles from 3225m to 2650m (60 joints). Ave tripping speed 30 joints/hr.
20:00	23:00	3.00	P-DRL	TRIP	PP		POH 127mm (5") DP from 2650m to 216mm (8-1/2") BHA at 346m. Ave tripping speed 768m/hr. Racked back same in derrick.
23:00	0:00	1.00	P-DRL	TRIPBHA	PP		POH and racked back 127mm (5") HWDP and 1 x stand 171mm (6-3/4") DC's from 346m to 36m.

24.00 = Total Hours Today

06:00 UPDATE

0000-0600 00:00 - 00:30hrs: Laid out SonicVision to catwalk. Commenced downloading data offline.
00:30 - 02:00hrs: Removed RA sources. Broke off bit and made up new PDC bit. Installed RA sources and made up SonicVision. RIH same to 36m.
02:00 - 02:30hrs: Picked up and RIH 1 x 171mm (6-3/4") DC stand and 1 x 127mm (5") HWDP stand from derrick to 94m.
02:30 - 03:00hrs: Made up TDS and shallow tested MWD tools at 1.70m³/min (450gpm) and 3,654kPa (530psi) - OK.
03:00 - 03:30hrs: RIH 127mm (5") HWDP from derrick to 346m.
03:30 - 04:30hrs: RIH 127mm (5") NC50 DP from derrick from 346m to 750m. Ave tripping speed 404m/hr.
04:30 - 06:00hrs: Held JSA. Picked up and RIH 127mm (5") GPDS DP singles from 750m to 980m. Ave tripping speed 16joints/hr.

HSE: No accidents, incidents or pollution reported.
Total Stop cards - 53 (15 unsafe, 38 safe). JSA - 33, PTW - 13.

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

BIT OPERATIONS

BIT / RUN	WOB	RPM	FLOW	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP
4RR/2	1/23	180/210	0.00	30,200	0	23.50	490.00	20.9	68.50	983.00	14.4

LCM: 0 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 (%)
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	89	CUM COST	543,860	%OIL	4
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BHA	5	JAR S/N	17605011	BHA / HOLE CONDITIONS				JAR HRS	89.00	BIT	4RR
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BHA WT BELOW JARS	STRING WT UP	STRING WT DN	STRING WT ROT	TORQUE/UNITS	BHA LENGTH
14 (tonne)	181 (tonne)	127 (tonne)	150 (tonne)	38 (kN-m)	346.62 (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	8.11	190.50	92.08		
Logging While Drilling	1	3.56	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	4,241.84	46.69	183.00	3,176.90	-2,429.06	-485.44	2,477.09	3.01
NORMAL	4,270.08	46.63	179.31	3,196.29	-2,449.59	-485.85	2,497.30	2.85
NORMAL	4,327.69	46.56	183.63	3,235.88	-2,491.41	-486.93	2,538.51	1.63
NORMAL	4,385.94	46.59	189.37	3,275.94	-2,533.41	-491.71	2,580.63	2.15
NORMAL	4,433.00	46.70	192.00	3,308.25	-2,567.03	-498.05	2,614.84	1.22

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: 30,200 (kPa)		SPM	PPSR
# 1	304.80	67	152.40	1095	HP: 0.000 (kW/cm²)	PUMPS # 2	92/50/40/30	30,200/6,137/4,344/3,585
# 2	304.80	30	152.40	490				
# 3	304.80	82	152.40	1340				

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PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
SUBSEA 7	3		KEMTECH	2	
WEST ENGINEERING	2		BHI	6	
BRANDT	1		BAKER ATLAS	5	
DODI	59		ANADRILL	5	
DOWELL	2		APACHE	5	

TOTAL PERSONNEL ON BOARD: 90

SUPPORT CRAFT

TYPE	REMARKS
HELICOPTER	JYN (Pax On - 8, Pax Off - 8).
FAR SKY	On Location.
SWISSCO 168	On Location.
HELICOPTER	JYN (Pax On - 6, Pax Off - 0).
YARABAH	On Location.
FAR GRIP	Geelong.

MATERIALS/CONSUMPTION

ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
BARITE BULK	MT		97	BENTONITE	MT		26
CEMENT	MT		74	DIESEL	m3		582
WATER, POTABLE	m3	22	338	WATER, DRILLING	m3	13	770

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	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

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
SAPP	25.00 kg		0.00	35.00
SOLTEX	50.00 lbs		0.00	290.00
CAUSTIC SODA - NaOH	25.00 kg		0.00	17.00
SAFE-CIDE	25.00 l		0.00	12.00
DRISPAC SL	50.00 lbs		0.00	166.00
CIRCAL Y	25.00 kg		0.00	96.00
CALCIUM CHLORIDE 74-77%	25.00 kg		0.00	69.00
BENTONITE	1.00 MT		0.00	24.00
OMYACARB 10	25.00 kg		0.00	0.00
CIRCAL 60/16	25.00 kg		0.00	196.00
CITRIC ACID	25.00 kg	2.00	88.50	84.00
KWIKSEAL (M)	40.00 lbs		0.00	108.00
GUAR GUM	25.00 kg		0.00	0.00
SODA ASH- SOD.CARBONATE-Na2CO3	25.00 kg		0.00	10.00
LIME	25.00 kg		0.00	0.00
KLA STOP	55.00 gal		0.00	16.00
FLOWZAN	25.00 kg		0.00	176.00
NUT PLUG	50.00 lbs		0.00	14.00
KCL BRINE (1.15SG)	1.00 bbl		0.00	0.00
STAR GLIDE	208.00 l		0.00	42.00
BARITE (bulk)	1.00 MT		0.00	97.00
KCL (1.0 MT)	1.00 MT		0.00	8.00
DEFOAM A	5.00 gal		0.00	13.00
POLYPLUS	25.00 kg		0.00	65.00
CIRCAL 1000	25.00 kg		0.00	96.00
STAR GLIDE	55.00 gal		0.00	0.00
KWIKSEAL (F)	40.00 lbs		0.00	72.00
POLYSAI	25.00 kg		0.00	74.00
SODIUM BICARBONATE - NaHCO3	25.00 kg		0.00	41.00