

Daily Drilling Report

WELL NAME ELVER-1				DATE 30-12-2008	
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API # OH	24 HRS PROG 0.00 (m)	TMD 3,248.90 (m)	TVD 2,497.92 (m)	REPT NO 13
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RIG NAME NO OCEAN PATRIOT	FIELD NAME ELVER	AUTH TMD	PLANNED DOW 36.40 (days)	DOL 12.79 (days)	DFS / KO 10.27 (days)	WATER DEPTH 504.90 (m)
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SPUD DATE 21-12-2008	Rig Release	WELL SUPERVISOR IVAN PARKHURST / DAVID SYMINGTON	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: 1,673,290 DCC: CWC: Others: TOTAL: 1,673,290	DHC: 15,475,586 DCC: CWC: Others: TOTAL: 15,475,586

DEFAULT DATUM / ELEVATION WELL / 21.50 (m)	LAST SAFETY MEETING 30/12/2008	BLOCK VIC-P59	FORMATION	BHA HRS OF SERVICE 115.50
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LAST SURVEY	LAST CSG SHOE TEST (EMW)	LAST CASING	NEXT CASING
MD 3,248.91 (m) INC 47.50° AZM 192.00°	1.32 (sg)	340.000 mm @ 1,735.9 m	244.000 mm @ 3,243.9 m

CURRENT OPERATIONS: RIH 244mm (9-5/8") casing at 1925m. Current running speed 19 joints/hr.

24 HR SUMMARY: Circulated well clean and POH to BHA. POH and racked back BHA. L/O MWD/LWD tools. Pulled wear bushing. R/U casing handling equipment and commenced RIH 244mm (9-5/8") casing.

24 HR FORECAST: Complete running 244mm (9-5/8") casing. Circulate and cement same. P/U 216mm (8-1/2") BHA.

OPERATION SUMMARY

From	To	HRS	Phase	Operation	PT/NPT	NPT CODES	ACTIVITY SUMMARY
0:00	2:30	2.50	INT-DRL	CIRC	PP		Pumped 7.95m³ (50bbl) hi-vis sweep. Commenced circulating well at 3.20m³/min (845gpm) and 29,304kPa (4250psi). Reciprocated and rotated pipe at 200rpm while circulating. Note: Unable to detect sweep at shakers. Cuttings volume over scalpers decreased after 1.1 x bottom's up. Well unloaded large amount of fines over lower screens after 1.25 x bottom's up. Continued circulating until 1.5 x bottom's up pumped and shakers clean - 464.6m³ (2,922bbls) total. Boosted riser once sweep reached BOP.
2:30	6:30	4.00	INT-DRL	STRIP	PP		POH 127mm (5") DP from 3248.9m to 1726m (340mm (13-3/8") casing shoe at 1735.9m). Ave tripping speed 381m/hr. Encountered tight hole from 2089m to 2022m. Max overpull 36.2MT (80kbs) and 13.6MT (30kbs) max drag. Worked pipe as required and wiped tight hole clean.
6:30	9:00	2.50	INT-DRL	TRIP	PP		POH 127mm (5") DP from 1726m to BHA at 369m. Ave tripping speed 543m/hr.
9:00	10:30	1.50	INT-DRL	TRIPBHA	PP		POH 127mm (5") HWDP and 203mm (8") DC's from 369m to 33m and racked back same in derrick.
10:30	12:00	1.50	INT-DRL	TRIPBHA	PP		Laid down string stabiliser and SonicVision, Telescope MWD, ARC9 and PD Xceed 900 to pipe deck.
12:00	13:30	1.50	INT-DRL	WBUSH	PP		Made up wear bushing retrieval tool and RIH. Latched into wear bushing and recorded index line measurement - 6.63m at 1.3m tide. Pulled wear bushing with 9.1MT (20kbs).
13:30	15:30	2.00	INT-DRL	WBUSH	PP		POH and laid down wear bushing and retrieval tool.
15:30	18:00	2.50	INT-CSG	RU_RD	PP		Held JSA. Rigged up 244mm (9-5/8") casing handling equipment. Made up BJ circulating fill-up tool to TDS.
18:00	20:00	2.00	INT-CSG	CSG	PN	WOW	DOWNTIME: Waited on weather - crane operations shut down due to >74km/hr (>40knot) sustained wind speed.
20:00	20:30	0.50	INT-CSG	CSG	PP		Picked up and made up shoe track to 51m. Bakerlocked all connections. Flow checked float equipment prior to RIH - OK.
20:30	0:00	3.50	INT-CSG	CSG	PP		RIH 244mm (9-5/8") casing from 51m to 523m. Ave running speed 10.7 joints/hr. Note: Running speed hampered due to high winds.

24.00 = Total Hours Today

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06:00 UPDATE

0000-0600 00:00 - 05:00hrs: RIH 244mm (9-5/8") casing from 523m to 1724m. Ave running speed 19 joints/hr. Recorded drag before entering open hole - 118MT (260kibs) Up, 100MT (220kibs) Down. Broke circulation at 340mm (13-3/8") shoe and function tested BJ fill-up tool - OK: 1.57m³/min (415gpm) and 4,275kPa (620psi).
 05:00 - 06:00hrs: RIH 244mm (9-5/8") casing from 1724m to 1925m. Ave running speed 16 joints/hr.

HSE: No accidents, incidents or pollution reported.
 Total Stop cards - 55 (12 unsafe, 43 safe). JSA - 32, 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
3 / 1	311.0	SMITH	MDI619LBPX	JY4165	6x15	1,741.70 / 26-12-2008	1-1-BT-T-X-I-CT-TD

BIT OPERATIONS

BIT / RUN	WOB	RPM	FLOW	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP
3/1	0/0	200/180	3,200.00	29,097	4168	7.50	110.90	14.8	58.00	1,507.90	26.0

LCM: 0 MUD TYPE: KCL/POLYMER

MUD PROPERTIES													
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 (%)
74	19/31	8/18	5/0	1/11	0/0	0/7	10.50/0.00	1.70/3.80	56,000	100	0	0	6
Density (sg)	1.18	ECD (sg)	0.00	PP	DAILY COST	1386	CUM COST	284,988	%OIL	2			

BHA / HOLE CONDITIONS			
BHA	JAR S/N	JAR HRS	BIT
3	14161088	115.50	3

BHA WT BELOW JARS	STRING WT UP	STRING WT DN	STRING WT ROT	TORQUE/UNITS	BHA LENGTH
29 (tonne)	166 (tonne)	111 (tonne)	129 (tonne)	34 (kN-m)	369.92 (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	203.20	69.85		
Integral Blade Stabilizer	1	1.85	393.70	76.20		
Logging While Drilling	1	8.24	279.40	92.08		
Logging While Drilling	1	8.58	241.30	82.55		
Logging While Drilling	1	5.82	241.30	76.20		
Steering Tool	1	8.67	311.00	76.20		7 5/8 REG
Polycrystalline Diamond Bit	1	0.32	311.00	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			573.00

MUD PUMPS/HYDRAULICS

SPR

	STROKE	SPM	LINER	FLOW	SPP: 29,097 (kPa)	SPM	PPSR
# 1	304.80	98	152.40	1602	HP: 0.293 (kW/cm²)		
# 2	304.80	100	152.40	1635			
# 3	304.80						

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PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
DODI	57		ANADRILL	5	
SUBSEA 7	3		KEMTECH	2	
VETCO	1		BJ TRS	4	
BRANDT	1		WEATHERFORD	1	
DOWELL	2		APACHE	6	
BHI	6				

TOTAL PERSONNEL ON BOARD: 88

SUPPORT CRAFT

TYPE	REMARKS
FAR SKY	Enroute to Rig.
SWISSCO 168	On Location.
HELICOPTER	JYN (Pax On - 9, Pax Off - 10).
HELICOPTER	JYN (Pax On - 2, Pax Off - 0).
YARABAH	On Location.
FAR GRIP	On Location.

MATERIALS/CONSUMPTION

ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
BARITE BULK	MT	3	103	BENTONITE	MT		26
CEMENT	MT		34	DIESEL	m3		376
WATER, POTABLE	m3	28	379	WATER, DRILLING	m3	6	294

WEATHER

TIME	SWELL HT/DIR/PER	WAVE HT/DIR/PER	WIND SPEED/DIR	GUST SPEED/DIR	TEMP
00:00	/ /250.00/3	4.50/250.00/12	/	26.7/250.00	

DECKLOG

MAX VDL	ACT VDL	AVG VDL	LEG PEN (BOW)	LEG PEN (PORT)	LEG PEN (S BOARD)
2560	2028	2028			

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 ENVIRON LOST TIME? NO INCIDENTS DESCRIPTION
 Faulty dry-break connection on diesel bulk hose. Near miss report pending.

ANCHOR TENSION DATA

ANCHOR NO	CURRENT TENSION	ANCHOR NO	CURRENT TENSION	ANCHOR NO	CURRENT TENSION
1	201	2	198	3	195
4	162	5	168	6	183
7	212	8	201	9	
10		11		12	

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MUD INVENTORY

ITEM	UNIT	USAGE	Day Cost (\$)	ON HAND
BARITE (bulk)	1.00 MT	3.00	841.83	104.00
SAPP	25.00 kg		0.00	35.00
CALCIUM CHLORIDE 74-77%	25.00 kg		0.00	69.00
SAFE-CIDE	25.00 l		0.00	18.00
NUT PLUG	50.00 lbs		0.00	14.00
CIRCAL 1000	25.00 kg		0.00	0.00
OMYACARB 10	25.00 kg		0.00	0.00
DEFOAM A	5.00 gal		0.00	13.00
KWIKSEAL (M)	40.00 lbs		0.00	108.00
DRISPAC SL	50.00 lbs		0.00	110.00
SODIUM BICARBONATE - NaHCO3	25.00 kg		0.00	50.00
CITRIC ACID	25.00 kg		0.00	116.00
LIME	25.00 kg		0.00	0.00
POLYSAI	25.00 kg		0.00	74.00
POLYPLUS	25.00 kg		0.00	19.00
GUAR GUM	25.00 kg		0.00	0.00
SODA ASH- SOD.CARBONATE-Na2CO3	25.00 kg		0.00	10.00
KCL BRINE (1.15SG)	1.00 bbl		0.00	308.00
CIRCAL 60/16	25.00 kg		0.00	292.00
SOLTEX	50.00 lbs		0.00	160.00
BENTONITE	1.00 MT		0.00	24.00
CIRCAL Y	25.00 kg		0.00	96.00
KWIKSEAL (F)	40.00 lbs		0.00	72.00
STAR GLIDE	55.00 gal		0.00	4.00
CAUSTIC SODA - NaOH	25.00 kg		0.00	17.00
FLOWZAN	25.00 kg	2.00	544.66	139.00