

Daily Drilling Report

WELL NAME ELVER-1				DATE 27-12-2008	
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API # OH		24 HRS PROG 707.30 (m)		TMD 2,449.00 (m)		TVD 2,211.47 (m)		REPT NO 10	
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RIG NAME NO OCEAN PATRIOT		FIELD NAME ELVER		AUTH TMD		PLANNED DOW 36.40 (days)		DOL 9.79 (days)		DFS / KO 7.27 (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				DHC: 984,267				DHC: 11,860,896			
		DCC:				DCC:				DCC:			
		CWC:				CWC:				CWC:			
		Others:				Others:				Others:			
		TOTAL: 38,786,601				TOTAL: 984,267				TOTAL: 11,860,896			

DEFAULT DATUM / ELEVATION WELL / 21.50 (m)				LAST SAFETY MEETING 27/12/2008		BLOCK VIC-P59				FORMATION INTRA-GOLDEN BEACH				BHA HRS OF SERVICE 69.50	
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LAST SURVEY						LAST CSG SHOE TEST (EMW)				LAST CASING				NEXT CASING			
MD 2,421.02 (m)		INC 47.67°		AZM 192.99°		1.32 (sg)				340.000 mm @ 1,735.9 m				244.000 mm @ 3,231.1 m			

CURRENT OPERATIONS: Directionally drilling 311mm (12-1/4") hole at 2545m.

24 HR SUMMARY: Conducted BOP function test on both pods. RIH and tagged float collar. Drilled out same. Displaced well to WBM while drilling out shoe track and cleaning out rathole. Directionally drilled 311mm (12-1/4") hole from 1741m to 2449m. Ave ROP 36.3m/hr.

24 HR FORECAST: Directionally drill 311mm (12-1/4") hole.

OPERATION SUMMARY

From	To	HRS	Phase	Operation	PT/NPT	NPT CODES	ACTIVITY SUMMARY
0:00	0:30	0.50	INT-DRL	BOPS	PP		Completed BOP function test on blue and yellow pods. Tested LPR's, UPR's and lower annular - OK. Completed function testing side outlet valves offline.
0:30	1:30	1.00	INT-DRL	TRIP	PP		RIH 127mm (5") DP from derrick from 1436m to tag float collar at 1722m. Ave tripping speed 286m/hr. Note: Washed down to tag float collar.
1:30	3:30	2.00	INT-DRL	DRLCMT	PP		Drilled out wiper plugs and float collar to 1723m. Commenced displacing well to 1.15SG (9.6ppg) KCL/Polymer WBM.
3:30	4:00	0.50	INT-DRL	DRLCMT	PP		Drilled out cement in shoe track and float shoe at 1735.9m. Cleaned out rat hole to 1741m. Worked pipe through shoe track 3 times to confirm clear.
4:00	4:30	0.50	INT-DRL	LOG	PN	SO	DOWNTIME: Troubleshot persistent snagging problems with geograph wire on TDS dolly track while attempting to drill 311mm (12-1/4") hole - unsuccessful. Geograph unit unable to hold sufficient tension on wire - problem exacerbated with increased wind speeds. Removed sheave at drill floor and wire from TDS while circulating well. Slowly rotated pipe at 5rpm to confirm free (restricted rpm due to manriding in derrick). Continued without geograph.
4:30	7:00	2.50	INT-DRL	DRLCPA	PP		Directionally drilled 311mm (12-1/4") hole with controlled parameters from 1741m to 1765m with BHA inside casing. Ave ROP 12m/hr. Lined up to boost riser once WBM at HPWHH. Slowed pump rate when interface returned to rig and decreased WOB accordingly to 4.5MT (10kibs) to mitigate bit balling. Recorded SCR's and CLF. Note: Hard stringer encountered from 1743m to 1746m with ROP < 5m/hr.
7:00	0:00	17.00	INT-DRL	DRLG	PP		Directionally drilled 311mm (12-1/4") hole from 1765m to 2449m. Ave ROP 40.2m/hr. Drilling Parameters: WOB: 6.8 - 9.1MT (15 - 20kibs). RPM: 180 - 200. TQ (ON): 20.3kN.m (15kft.lbs). TQ (OFF): 27.1 - 36.6kN.m (20 - 27kft.lbs). FLOW: 3.69m³/min (975gpm). SPP: 29,097kPa (4220psi) String Weights: UP: 154MT (340kibs). DOWN: 111MT (245kibs). ROTATING: 122MT (270kibs).

24.00 = Total Hours Today

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06:00 UPDATE

0000-0600 Directionally drilled 311mm (12-1/4") hole from 2449m to 2545m. Ave ROP 16m/hr.

Drilling Parameters:
 WOB: 6.8 - 9.1MT (15 - 20klbs). RPM: 180 - 200.
 TQ (ON): 40.7kN.m (20 - 30kft.lbs).
 TQ (OFF): 23.1 - 29.8kN.m (17 - 22kft.lbs).
 FLOW: 3.60m³/min (950gpm). SPP: 29,580kPa (4290psi)
 String Weights:
 UP: 170MT (375klbs). DOWN: 109MT (240klbs).
 ROTATING: 131MT (290klbs).

HSE: No accidents, incidents or pollution reported.
 Total Stop cards - 64 (17 unsafe, 47 safe). JSA - 25, PTW - 8.

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	-----

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	3/7	150/200	3,685.30	29,097	5387	19.50	680.00	34.9	19.50	680.00	34.9

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 (%)
64	19/35	10/12	5/0	1/8	0/0	0/1	11.00/0.00	2.00/4.00	49,000	480	0	0	3
Density (sg)	1.15	ECD (sg)	0.00	PP	DAILY COST	46,202	CUM COST	207,166	%OIL	2			

BHA / HOLE CONDITIONS

BHA	3	JAR S/N	14161088	JAR HRS	69.50	BIT	3
BHA WT BELOW JARS	STRING WT UP	STRING WT DN	STRING WT ROT	TORQUE/UNITS	BHA LENGTH		
29 (tonne)	154 (tonne)	108 (tonne)	118 (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	209.50	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		

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SURVEY

TYPE	MD (m)	DEG (°)	AZI (°)	TVD (m)	+N/-S (m)	+E/-W (m)	V.SECT (m)	D.L (°/30m)
Tie On	1,741.00	51.90	191.50	1,741.00	-620.51	-158.66	640.47	0.00
NORMAL	1,753.96	51.82	191.69	1,749.00	-630.50	-160.70	650.65	0.39
NORMAL	1,783.97	51.02	190.81	1,767.72	-653.50	-165.28	674.08	1.05
NORMAL	1,812.87	50.88	189.80	1,785.93	-675.58	-169.30	696.47	0.83
NORMAL	1,843.32	50.67	188.98	1,805.18	-698.86	-173.15	719.97	0.66
NORMAL	1,872.41	49.78	188.23	1,823.79	-720.96	-176.49	742.21	1.09
NORMAL	1,901.15	48.47	187.40	1,842.60	-742.49	-179.45	763.80	1.52
NORMAL	1,930.37	47.91	185.84	1,862.08	-764.12	-181.96	785.38	1.33
NORMAL	1,959.22	47.61	185.67	1,881.47	-785.37	-184.10	806.50	0.34
NORMAL	1,988.27	48.06	185.60	1,900.97	-806.80	-186.22	827.79	0.47
NORMAL	2,017.72	47.39	184.79	1,920.79	-828.50	-188.19	849.30	0.92
NORMAL	2,046.54	47.51	184.35	1,940.27	-849.67	-189.88	870.22	0.36
NORMAL	2,074.71	47.75	185.11	1,959.26	-870.41	-191.60	890.74	0.65
NORMAL	2,103.75	47.80	184.62	1,978.78	-891.83	-193.42	911.95	0.38
NORMAL	2,133.30	47.80	184.02	1,998.62	-913.66	-195.07	933.51	0.45
NORMAL	2,162.82	47.68	184.06	2,018.48	-935.46	-196.61	955.00	0.13
NORMAL	2,191.69	47.71	184.99	2,037.91	-956.74	-198.29	976.04	0.72
NORMAL	2,220.09	47.67	186.56	2,057.03	-977.64	-200.41	996.81	1.23
NORMAL	2,248.12	47.64	188.18	2,075.91	-998.18	-203.06	1,017.37	1.28
NORMAL	2,276.75	47.48	189.09	2,095.23	-1,019.07	-206.24	1,038.40	0.72
NORMAL	2,306.28	47.61	190.39	2,115.16	-1,040.54	-209.92	1,060.11	0.98
NORMAL	2,335.22	47.55	192.05	2,134.68	-1,061.50	-214.08	1,081.44	1.27
NORMAL	2,364.15	47.47	194.28	2,154.23	-1,082.27	-218.94	1,102.77	1.71
NORMAL	2,393.50	47.44	194.22	2,174.07	-1,103.22	-224.26	1,124.39	0.05
NORMAL	2,421.02	47.67	192.99	2,192.65	-1,122.96	-229.04	1,144.70	1.02

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	76	152.40	1242	HP: 0.436 (kW/cm²)			
# 2	304.80	64	152.40	1046				
# 3	304.80	88	152.40	1438				

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
ANADRILL	5		DODI	54	
KEMTECH	2		VETCO	1	
SUBSEA 7	3		BJ TRS	1	
BRANDT	1		DOWELL	2	
BHI	6		APACHE	5	

TOTAL PERSONNEL ON BOARD: 80

SUPPORT CRAFT

TYPE	REMARKS
FAR SKY	Geelong.
SWISSCO 168	On Location.
YARABAH	On Location.
FAR GRIP	On Location.

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MATERIALS/CONSUMPTION

ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
BARITE BULK	MT		107	BENTONITE	MT		26
CEMENT	MT		33	DIESEL	m3		294
WATER, POTABLE	m3	27	357	WATER, DRILLING	m3	60	445

WEATHER

TIME	SWELL HT/DIR/PER	WAVE HT/DIR/PER	WIND SPEED/DIR	GUST SPEED/DIR	TEMP
00:00	/ /230.00/3	1.00/70.00/12	/	18.0/230.00	

DECKLOG

MAX VDL	ACT VDL	AVG VDL	LEG PEN (BOW)	LEG PEN (PORT)	LEG PEN (S BOARD)
2560	1957	1957			

SAFETY DRILLS

RAMS (kPa)	ANNULARS (kPa)	CASING	LAST BOP DRILL	NEXT BOP PRESS TEST	FIRE DRILL	H2S DRILL	MAN OVERBRD	ABND. DRILL
21-12-2008 / 34,475	21-12-2008 / 34,475	27-12-2008 / 17,237	22-12-2008	05-01-2009	21-12-2008			21-12-2008

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	196	2	187	3	198
4	159	5	179	6	183
7	209	8	198	9	
10		11		12	

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MUD INVENTORY

ITEM	UNIT	USAGE	Day Cost (\$)	ON HAND
SAFE-CIDE	25.00 l		0.00	5.00
POLYPLUS	25.00 kg		0.00	24.00
LIME	25.00 kg		0.00	0.00
FLOWZAN	25.00 kg	15.00	4,084.95	153.00
SOLTEX	50.00 lbs	151.00	13,389.17	128.00
GUAR GUM	25.00 kg		0.00	0.00
OMYACARB 10	25.00 kg		0.00	0.00
CITRIC ACID	25.00 kg		0.00	116.00
CIRCAL 1000	25.00 kg	96.00	1,698.24	0.00
DRISPAC SL	50.00 lbs	32.00	3,910.08	68.00
DEFOAM A	5.00 gal	1.00	94.50	17.00
KCL BRINE (1.15SG)	1.00 bbl	232.00	22,768.48	268.00
SAPP	25.00 kg		0.00	40.00
POLYSAI	25.00 kg		0.00	74.00
KWIKSEAL (F)	40.00 lbs		0.00	72.00
CAUSTIC SODA - NaOH	25.00 kg		0.00	17.00
BARITE (bulk)	1.00 MT		0.00	107.00
KWIKSEAL (M)	40.00 lbs		0.00	108.00
NUT PLUG	50.00 lbs		0.00	28.00
SODIUM BICARBONATE - NaHCO3	25.00 kg	12.00	214.32	50.00
BENTONITE	1.00 MT		0.00	24.00
CIRCAL 60/16	25.00 kg		0.00	196.00
SODA ASH- SOD.CARBONATE-Na2CO3	25.00 kg	2.00	42.06	10.00
CIRCAL Y	25.00 kg		0.00	96.00
CALCIUM CHLORIDE 74-77%	25.00 kg		0.00	69.00