

Daily Operations - A4

Well: SOUTH EAST REMORA-1

Wellbore Reg. Name: SER-1

	Planned	Actual (Cum)
Days (orig)	32.82	4.88
MD/TVD	3,936.08/ 3,671.99	111.00/ 111.00
Cost (w/suppl)	41,700,820	5,312,525

Esso Australia Pty. Ltd.
ExxonMobil Use Only

Unit Set: Mixed
Reference Elev: OP
Currency: AUD

Report No: 5 Progress: 32.50
Phase: Drilling, Drilling, Drill 36" hole to 60m

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Rpt. Period: 12/19/2009 05:00 to 12/20/2009 05:00

Well Information

Country	Territory/State	Field Name	Lease	Operating Facility	Slot / Conductor
Australia	Victoria		VIC/RL-04		
Operator	Drilling Purpose	Regulatory Well ID	Local Latitude (DMS)	Local Longitude (DMS)	
Esso Australia Pty. Ltd.	Near Field Wildcat		38° 9' 40.988" S	148° 12' 58.46" E	
Original KB Elevation (m)	Ground Elevation (m)	KB-Ground Distance (m)	Working Elevation (m)	Water Depth (m)	Well Spud Date/Time
21.50	0.00	21.50	21.50	57.00	12/20/2009 02:00

Job Information

Primary Job Type	Job Start Date/Time	Job End Date/Time	Client	Working Interest (%)	Job Spud Date/Time
Drilling	12/15/2009 08:00		EMPC	50.00	12/20/2009 02:00
Stewarding Company	Stewarding Team	Primary Wellbore Affected	Orig DCI	Orig WCI	
EMDC Drilling	Australia	SOUTH EAST REMORA-1	3.4		
AFE or Job Number	Appropriation Type	Currency	Exchange Rate	Ttl Orig AFE	Tot AFE (w/Spp)
607/ 09000.1	Capital	AUD	0.67	41,700,820	41,700,820

Daily Operations Information

Rig (Names)	Cum % NPT (%)	Days From Spud	Days Ahead/Behind	Daily Cost Total		
Diamond Offshore - Ocean Patriot		0.13		742,505		
Daily Personnel Count	Daily Personnel (hrs)	Days Since Hurt	Days Since RI	Days Since LTI	Drill Time (hrs)	Average ROP (m/hr)
96.0	1,152.00	4.00	19.00	19.00	3.00	10.8

Performance Limiter

Solids Handling/Removal

Mitigation Attempts/Results

Activity at Report Time

Drill 26x36" hole

Next Activity

Drill to 150m circ/ pooh run 30x20"

Management Summary

No safety incidents

Pick up pipe and rack in derrick, offload spud equip from boat, spud SER1 @ 0200 hrs, drill 26x36" hole

Remarks

Days without spills = 18.

- Carried pre-tour safety meetings with day and night crews. Topics: STOP cards, JSAs, Pick up BHA, spud well, off load boats

- Last Weekly Safety Meeting: 13-Dec-09.
- Last Ops Supt Inspection: 10-Dec-09.
- Last Fire / Abandon Ship Drill: 13-Dec-09.
- Last BOPE test: 10-Dec-09.
- Last BCFT: 10-Dec-09.
- Last Choke Manifold test: 12-Dec-09.
- Last Diverter function: 11-Dec-09.

Spud SER 1 Dec 20th @ 0200hrs

Wellbore	Average Background Gas	Average Connection Gas	Average Trip Gas	Average Drilling Gas	Maximum H2S (ppm)
SOUTH EAST REMORA-1					
Time Log (hrs)	Last Casing String	Next Casing String	Formation Description		
24.00		30" conductor			

Time Log

Start Time/TI...	Elapsed Time (hrs)	End MD (mOP)	Category	NPT Ref #	Comments
05:00	3.00		TRIP		Cont. picking up 5" drill pipe and racking in derrick total stands in derrick 38 stands
08:00	0.50		TRIP		Make up cmt stand and rack back in derrick
08:30	1.50		TRIP		Pick up 5 stands of 5" hwdp and rack in derrick
10:00	0.50		INSP		Test Weatherford stabmaster anti-collision system, while offloading spud equip from boat
10:30	1.00		????		Move BOPS from test stump to carrier to enable stbd crane to work drill floor bha, while cont to offload boat with port crane
11:30	4.00		TRIP		Jsa- pick up 26"x36" bha and rack in derrick
15:30	0.50		TRIP		P/up cart running tool and rack in derrick
16:00	3.50		TRIP		M/up 26"x36" bha and Mwd and shallow test same @ 68m with 800 gpm and 700 psi (good test)
19:30	1.50		????		cont. building 14.5 ppg Mud (total 500 bbls)
21:00	5.00		????		Take on gel and barite from M/V Tourmaline, to enable cont. building of spud mud. Hold shallow gas meeting with crews
02:00	3.00	111.00	DRLG		Tag Seabed @ 78.5m MSL (Confirmed from QA/QC of Rig Position to well location within tolerance of 2.6m) hard btm drill 4m hole and take survey @ 82.5m with Incl 0.67^ cont drilling 26"x36" hole to 111m @ report.

Phase Time and Cost Summary - Shows original AFE time and cost only - no supplement

Phase	Cum Actual (days)	Phase AFE (days)	Cum Actual Cost	Phase AFE Cost
Pre-Execution	0.00	0.00	1,600,000	1,200,000
Drilling	4.88	32.82	3,712,525	36,100,820
Post-Execution	0.00	0.00	0	4,400,000

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Daily Personnel Count

Type	Head Count	Total Hours (hrs)	Comments
Contractor (Excluding SSE)	49	588.00	Diamond Offshore, crew
Contractor (SSE Only)	0		Diamond Offshore, crew
Contractor (Excluding SSE)	2	24.00	Diamond Offshore, BTB Safety
Contractor (Excluding SSE)	8	96.00	Diamond Offshore, ESS Catering
ExxonMobil	3	36.00	Drilling Supervisors
ExxonMobil	1	12.00	Engineer
Service Company	1	12.00	Drilling Logistics
Service Company	4	48.00	SLB Anadrill
Service Company	3	36.00	SLB Cementing/HLB
Service Company	2	24.00	HLB Baroid
Service Company	6	72.00	Sub Sea 7
Service Company	2	24.00	Neptune
Service Company	0		Go Marine
Service Company	1	12.00	Arrosmith positioning control
Service Company	2	24.00	Vetco Gray
Service Company	3	36.00	Scomi
Service Company	4	48.00	Weatherford casing
Service Company	3	36.00	Mud Loggers
Service Company	2	24.00	Tasman

Personnel on Location

Contact	Comments
Drilling Engineer, ExxonMobil, Juergen Schamp, 61-3-9270-3890	
Drilling Supervisor, Bond Logistics, Bryan Webb, 61-8-6311-4183	
Drilling Supervisor, ExxonMobil, Josh Lepp, 61-8-6311-4181	
Drilling Supervisor, ExxonMobil, Robert Spence, 61-8-6311-4182	

Safety Check Summary

Type	Last Date	Freq
Abandon Ship Drill		
Fire Drill		
Pre-Tour Safety Meeting	12/19/2009 23:30	4
Safety Meeting	12/17/2009 00:00	1

STOP Cards and JSA's

Obs/JSA Type	No. Rpts	Comment
Green (+) SH&E Observations	59	
JSA's/JRA's (or equivalent)	29	
Red (-) SH&E Observations	24	

Weather and Sea Conditions

Time/Time	High Temp (°C)	Low Temp (°C)	Bar Pressure (mmHg)	Wind Speed (kno...)	Wind Azimuth (°)	Visibility (km)	Cloud Cover
05:00	21.0	17.0	1,019.0	16.0	225	8.	2
Water Temp (°C)	Wave Height (m)	Wave Azimuth (°)	Wave Period (s)	Swell Height (m)	Swell Azimuth (°)	Swell Period (s)	
	1.20	225	6.00	1.50	225	8.00	

Vessel and Riser

Vessel Offset (m)	Heave (m)	Pitch (°)	Roll (°)	Riser Tension (kips)
0.00	0.10	0.20	0.20	
Vessel Heading (°)	Maximum Heave (m)	Maximum Pitch (°)	Maximum Roll (°)	Riser Angle (Bottom) (°)
210				

Support Vessels

Vessel Name	Vessel Type	Vessel Count	Arrival Dt/Tm	Departure Dt/Tm	Origin	Destination	Pass Capacity
Coral	Workboat		12/15/2009				
Tourmaline	Workboat		12/15/2009	12/18/2009			

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Fluid Checks

Source	Date/Time	Fluid Type	Fluid Category	MD (mOP)	Density (lb/gal)	ECD (lb/gal)
Flowline	12/19/2009 05:00	Water Based	Seawater Gel	111.0	8.50	
Funnel Viscosity (s/qt)	FL Temp (°C)	Plastic Viscosity (cp)	Yield Point (lb/100ft²)	10-Sec Gel (lb/100ft²)	10-Min Gel (lb/100ft²)	30-Min Gel (lb/100ft²)
600 RPM Dial Reading	300 RPM Dial Reading	200 RPM Dial Reading	100 RPM Dial Reading	6 RPM Dial Reading	3 RPM Dial Reading	Visc Temp (°C)
API FL (mL/30min)	API FC (/32")	HTHP FL (mL/30min)	HTHP FC (/32")	HTHP Temp (°C)	HTHP Pressure (psi)	BHST (°C)
Excess Lime (lb/bbl)	Ca++ (mg/L)	Chlorides (mg/L)	n (Calc)	K (Calc)	Wellbore SOUTH EAST REMORA-1	
pH	Pm (mL/mL)	Pf (mL/mL)	Mf (mL/mL)	Potassium (mg/L)	MBT (lb/bbl)	Activity
Alkalinity (mL/mL)	WPS (ppm)	Electrical Stability (V)	Filter Size (µm)	Iron Content (mg/L)	NTU	TCT (°C)
Volume % Water (%)	Volume % Oil (%)	Oil/Water Ratio	Sand Content (%)	Volume % Solids (%)	LGS (%)	HGS (%)
Circ Volume (bbl)	Active Pit Vol (bbl)	Reserve Volume (bbl)	Whole Mud Added (b...)	Base Fluid Add (bbl)	Additives Vol (bbl)	Dilution Rate
Evap Vol Add (bbl)	Downhole Losses (b...)	Cum DH Loss (bbl)	Surface Losses (bbl)	Cum Surf Loss (bbl)	Cumulative Mud Added (bbl)	

Comments
S/W w/- Gel Sweeps

Job Supply Summary

Typ	Unit Sz	Unit Label	Consumed	Cum Consumed	Received	Cum Received	Returned	Cum Returned	Cum On Loc
Potable Water	1	m3	0.0	0.0	0.0	277.0	0.0	0.0	277.0
Fuel	1	m3	0.0	0.0	0.0	1,214.0	0.0	0.0	1,214.0
Drill Water [aka Dilution/Makeup Water]	1	m3	0.0	0.0	0.0	22.0	0.0	0.0	22.0
Barite	100	Pound	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bentonite	100	Pound	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cement Neat	94	Pound	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Safety Checks

Type	Result	Date/Time	Comments
Pre-Tour Safety Meeting	Satisfactory	12/19/2009 11:30	
Pre-Tour Safety Meeting	Satisfactory	12/19/2009 23:30	

Job Contacts - Only shows Superintendent(s) and Engineers(s)

Type	Name	Office
Drilling Engineer	Chris Meakin	61-3-9270-3536
Drilling Engineer	Juergen Schamp	61-3-9270-3890
Drilling Engineer	Ryan Turton	61-3-9270-3008
Ops Superintendent	Kevan Jenkins	61-3-9270-3604
Ops Superintendent	Steve Wilson	61-3-9270-3604

Rig and BOP Information - all BOP's for this rig

Company	Rig Name	Rig Type	Rig Start Date/Time	Rig Release Date/Time
Diamond Offshore	Ocean Patriot	Semi-Submersible	12/15/2009	
Installation	API Designation	Nominal ID (in)	Pressure Rating (psi)	Service
Subsea	CwRdRdAlAuCr	18 3/4	15,000.0	Sour (NACE)
				Height (m)
				13.07

String No. 1

Drill String Name	String Number	Date/Time Run	Dt Lst Drlg Par	MD In (mOP)	MD Lst Drlg Par (mOP)
26"x36"	1	12/20/2009 02:00	12/20/2009 09:00	78.50	150.50
Min WOB (1000lbf)	Min Total RPM (rp...)	Min Circ Rate (gpm)	Min SPP (psi)	Min Pickup HL (1000lbf)	Min Slackoff HL (1000lbf)
Max WOB (1000lbf)	Max Total RPM (rp...)	Max Circ Rate (gpm)	Max SPP (psi)	Max Pickup HL (1000lbf)	Max Slackoff HL (1000lbf)
				Max Rotate HL (1000lbf)	Max Rotate HL (1000lbf)

Comments

String No. 1 - Bit Information

Bit	Bit And Run Number	Bit Type	Nozzles (/32")	Total Bit TFA (in²)
26in, Y11C, D74535	1	Mill Tooth		
IADC Classification	Hole Made (Run) (m)	Hours Drl (Run) (hrs)	ROP (m/hr)	IADC Dull Grade
111	72.00	7.00	10.3	-----

Daily Drilling Parameters and Hydraulics - If hydraulics are blank, check string output report for errors

Start MD (mOP)	End MD (mOP)	Avg ROP (Int) (m/hr)	Drill Time (hrs)	Total Circ Time (hrs)	WOB (1000lbf)	Total RPM (rpm)	Circ Rate (gpm)	Standpipe Pres (psi)	Rotating HL (1000lbf)	Pickup HL (1000lbf)	Slackoff HL (1000lbf)	Drilling Torque	ECD End (lb/gal)	HP/Area (hp/in²)	Jet Vel (m/s)	Bit dP (psi)	% P @ bit (%)
78.50	111.00	10.8	3.00	3.00													

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String Components

Item Des	Nominal OD (in)	Nominal ID (in)	Nominal Weight (lbs/ft)	Grade	Length (m)	Btm Conn Thread	Btm Conn Size (in)	Serial Number	Blade OD (in)	Cum Len to Bit (m)	Cum Vol Disp (bbbl)	Cum Weight (1000lb)
Drill Pipe - Heavy Wall	5	3.000	49.30	E	64.49	IF	4 1/2			150.50	21.0	53
Drill Pipe - Heavy Wall	5	3.000	49.30	E	9.34	IF	4 1/2			86.01	17.7	43
XO Sub	8 1/4	2.750			0.78	IF	4 1/2	186-0056		76.67	17.2	41
Drill Collars	8 1/4	2.813	160.75		18.40	REG	6.63			75.89	17.1	41
XO Sub	9 1/2	3.000			1.16	REG	6.63	186-0060		57.49	13.6	32
Drill Collars	9 1/2	3.500	208.46		27.35	REG	7.63			56.33	13.3	32
Drill Collar - Non Mag	9 1/2	3.000	217.14		9.07	REG	7.63	OSSO06027...		28.98	6.5	13
Drill Collar - Non Mag	9 1/2	3.000	217.14		8.89	REG	7.63	DOTS6064		19.91	4.1	6
MWD - Directional	9 1/2	6.250			8.85	REG	7.63	E0436		11.02	1.8	0
Bit Sub w/Float	9	3.500			0.92	REG	7.63	WDF2315		2.17	0.4	0
Hole Opener	9.38	3.000			0.65	REG	7.63	46450	36	1.25	0.2	0

Wellbore Information

Wellbore Name SOUTH EAST REMORA-1	Purpose Original Wellbore	Profile Type Vertical	Regulatory Name SER-1	Regulatory ID SER-1
Parent Wellbore	Starting MD (mOP) 78.50	Kick-off MD (mOP) 78.50	Kick-off Method Steerable Motor	Job Drilling, 12/15/2009 08:00 - <End Date/Time?>
Actual Dir Srvy Actual Survey SER-1	Prop Dir Srvy Proposed Survey SE Remora Rev 7.1	VS Azimuth (°) 227.02	VS EW Origin (m) 0.0	Vertical Section North-South Origin (m) 0.0

Wellbore (Hole) Sections

Act Start Dt/Tm	Act End Dt/Tm	Section	Diameter (in)	Actual Top MD (mOP)	Bottom MD (mOP)
12/20/2009 02:00	12/20/2009 05:00	Structural	36	78.50	150.50

PBTD's

Date	Type	Depth (mOP)	Total Depth (mOP)	Method	Comment
			150.50		

Deviation Survey (Tie point) - Actual Survey SER-1

Survey Date/Time 12/20/2009 02:00	Description Actual Survey SER-1	Azimuth North Type Grid North	Job Drilling, 12/15/2009 08:00 - <End Date/Time?>
Tie-In MD (mOP) 78.50	Tie-In Inclination (°) 0.67	Tie-In Azimuth (°) 177.87	Tie-In TVD (mOP) 78.50
Declination (°) 13.10	Convergence (°) -0.75	Comments KB=21.5	VS Tie In (m) 0.30
			TieIn NS Offset... -0.46
			TieIn EW Offset (m) 0.02

Survey Data - Shows all surveys entered during the report period

MD (mOP)	Inclination (°)	Azimuth (°)	TVD (mOP)	VS (m)	NS Offset (m)	EW Offset (m)	DLS (°/30m)
78.50	0.67	177.87	78.50	0.30	-0.46	0.02	0.00
84.43	0.72	177.87	84.43	0.35	-0.53	0.02	0.25
99.01	0.86	163.13	99.01	0.45	-0.73	0.06	0.51

Casing Strings - Only shows information for the longest casing component in a string - for other components see casing detail report

Wellbore	Description	Nominal OD (in)	Nominal ID (in)	Nominal Weight (lbs/ft)	Nominal Grade	Nom Top Conn	Length (m)	Leak Off Dens (lb/gal)	Top MD (mOP)	Cut/Pull MD (mOP)	Bottom MD (mOP)