

# Daily Operations - A4

Well: SOUTH EAST REMORA-1

Wellbore Reg. Name: SER-1

	Planned	Actual (Cum)
Days (orig)	32.82	15.88
MD/TVD	3,936.08/ 3,671.99	1,085.00/ 1,084.99
Cost (w/suppl)	41,700,820	14,067,080

**Esso Australia Pty. Ltd.**  
ExxonMobil Use Only

Unit Set: Mixed  
Reference Elev: OP  
Currency: AUD

Report No: 16 Progress: 0.00  
Phase: Drilling, Drilling, Drill 12-1/4" hole to KOP @2338m

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Rpt. Period: 12/30/2009 05:00 to 12/31/2009 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	11.02	11.13		742,505		
Daily Personnel Count	Daily Personnel (hrs)	Days Since Hurt	Days Since RI	Days Since LTI	Drill Time (hrs)	Average ROP (m/hr)
95.0	1,140.00	4.00	30.00	30.00		

Performance Limiter	Mitigation Attempts/Results
Non-FDP Plateau Time	

Activity at Report Time	Next Activity
Circ/Cond mud	Test casing, drill shoe track, perform FIT

## Management Summary

No Incidents  
Stop Cards Red 30 Green 23  
Hydro test rig floor and rotary pan with sea h2o, several leaks, repair same  
Trip in hole tag cmt @ 1046m, displace hole to NAF mud, circ/cond mud

30"x20" Casing @ 148m  
13.375 "Casing @ 1077m

## Remarks

Days without spills = 28  
- Carried pre-tour safety meetings with day and night crews. Topics: STOP cards, displace mud

SBM Readiness:  
Completed Lock out of Environment sensitive valves, operations of valves under a work permit system

- Last Weekly Safety Meeting: 28-Dec-09.
- Last Ops Supt Inspection: 27-Dec-09.
- Last Fire / Abandon Ship Drill: 27-Dec-09.
- Last BOPE test: 29-Dec-09.
- Last BCFT: 29-Dec-09.
- Last Choke Manifold test: 29-Dec-09.
- Last Diverter function: 29-Dec-09.

NOTE\* Slip joint tested  
Back up slip joint paker engaged with 5 psi drop on upper packer psi guage. (No sea h2o lost, Test good)

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	13 3/8	9 5/8	

## Time Log

Start Time/Ti...	Elapsed Time (hrs)	End MD (mOP)	Category	NPT Ref #	Comments
05:00	17.00	1,085.00	WAIT	5	Cont. working on repairs of rotary/Env pan. Mix and pour armor compound on areas around penetrations of Diverter control lines. Hydro test pans (ok)
22:00	0.50	1,085.00	TRIP		Jsa- Trip in hole with 12.25" dirct. assy from 970m to 1019m, wash down las std with 50spm @ 400 psi, and tag cmt @ 1046m with 20k
22:30	2.00	1,085.00	CIRC		Empty slug pit of sea h2o, and mix 11.0ppg WBM hi-vis pill.
00:30	0.50	1,085.00	CIRC		Jsa with crews on SBM displacement Walked through line up and valves.
01:00	2.50	1,085.00	CIRC		Pump 55bbl of 11.0ppg hi-vis spacer, and displace hole with 11.0ppg SBM @ 600gpm and 1400psi. Shut down pumps when spacer at shakers, and take returns to pit #1 (slop tank) until SBM @ surface Shut down pumps and line up shakers to fill sand traps with SBM and take returns to active pit.
03:30	0.50	1,085.00	CIRC		Displace choke/kill and booster line with SBM

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**Time Log**

Start Time/Ti...	Elapsed Time (hrs)	End MD (mOP)	Category	NPT Ref #	Comments
04:00	1.00	1,085.00	CIRC		Circ/Cond mud @600gpm and 1400 psi.

**Problem Events (NPT, Non-NPT, and Quality)**

NPT Bearing?	Ref No	Category	Type	Start Date/Time	End Date/Time	Cum Dur (hrs)	Acc Party Type	Accountable Party
Yes	5	Rig or Unit	Other rig or unit problem	12/29/2009 23:30	12/30/2009 22:00	22.50	Contractor	DIAMOND OFFSHORE CO

**Comment**

Hydro test rig floor and rotary pan with sea h2o, numerous leaks detected fix same

**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	15.88	32.82	12,467,080	36,100,820
Post-Execution	0.00	0.00	0	4,400,000

**Daily Personnel Count**

Type	Head Count	Total Hours (hrs)	Comments
Contractor (Excluding SSE)	50	600.00	Diamond Offshore, crew
Contractor (SSE Only)	0		Diamond Offshore, crew
Contractor (Excluding SSE)	1	12.00	Diamond Offshore, BTB Safety
Contractor (Excluding SSE)	8	96.00	Diamond Offshore, ESS Catering
ExxonMobil	3	36.00	Drilling Supervisors
ExxonMobil	0		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	0		Neptune
Service Company	0		Go Marine
Service Company	0		Arrosmith positioning control
Service Company	2	24.00	Vetco Gray
Service Company	5	60.00	Scomi
Service Company	1	12.00	Weatherford casing
Service Company	7	84.00	Mud Loggers
Service Company	0		Tasman
Service Company	2	24.00	Geologist
ExxonMobil	0		Ops Supt.

**Personnel on Location**

Contact	Comments
Drilling Supervisor, Bond Personal, Nathan Peri, 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	12/27/2009 10:30	2
BOP Pressure Test	12/28/2009 23:45	1
Fire Drill	12/27/2009 10:30	2
Operations Superintendent Inspection	12/27/2009 00:00	1
Pre-Tour Safety Meeting	12/29/2009 23:30	22
Safety Meeting	12/27/2009 00:00	5

**Support Vessels**

Vessel Name	Vessel Type	Vessel Count	Arrival Dt/Tm	Departure Dt/Tm	Origin	Destination	Pass Capacity
Tourmaline	Workboat		12/24/2009				
Coral	Workboat		12/15/2009	12/23/2009			

**Job Supply Summary**

Typ	Unit Sz	Unit Label	Consumed	Cum Consumed	Received	Cum Received	Returned	Cum Returned	Cum On Loc
Barite	100	m3	0.0	0.0	0.0	241.0	0.0	0.0	241.0
Potable Water	1	m3	0.0	146.0	0.0	325.0	0.0	0.0	179.0
Bentonite	100	m3	0.0	25.0	0.0	26.0	0.0	0.0	1.0
Fuel	1	m3	0.0	119.5	0.0	890.5	0.0	0.0	771.0
Cement Neat	94	m3	0.0	0.0	0.0	122.0	0.0	0.0	122.0
Drill Water [aka Dilution/Makeup Water]	1	m3	0.0	253.0	0.0	531.0	0.0	0.0	278.0

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**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	CwRdRdAIAuCr	18 3/4	15,000.0	Sour (NACE)
				Height (m)
				13.07

**Mud Pump - Liner Information**

Pump Number	Make	Model	Start Date/Time	End Date/Time	Liner Size (in)	Displace... (bbl/stk)	Max Pressure (psi)	Calc Disp (bbl/stk)
1	National Supply	12-P-160	12/24/2009 00:00		6	0.1010	3,800.0	0.101
2	National Supply	12-P-160	12/20/2009 00:00		6	0.1010	4,600.0	0.101
3	National Supply	12-P-160	12/24/2009 00:00		6	0.1010	3,800.0	0.101

**Wellbore Information**

Wellbore Name	Purpose	Profile Type	Regulatory Name	Regulatory ID
SOUTH EAST REMORA-1	Original Wellbore	Vertical	SER-1	SER-1
Parent Wellbore	Starting MD (mOP)	Kick-off MD (mOP)	Kick-off Method	Job
	78.50	78.50	Steerable Motor	Drilling, 12/15/2009 08:00 - <End Date/Time?>
Actual Dir Srvy	Prop Dir Srvy	VS Azimuth (°)	VS EW Origin (m)	Vertical Section North-South Origin (m)
Actual Survey SER-1	Proposed Survey SE Remora Rev 7.1	227.02	0.0	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
12/22/2009 10:30	12/24/2009 06:00	Surface	17 1/2	150.50	1,085.00

**PBTD's**

Date	Type	Depth (mOP)	Total Depth (mOP)	Method	Comment
			1,085.00		

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

Survey Date/Time	Description	Azimuth North Type	Job			
12/20/2009 02:00	Actual Survey SER-1	Grid North	Drilling, 12/15/2009 08:00 - <End Date/Time?>			
Tie-In MD (mOP)	Tie-In Inclination (°)	Tie-In Azimuth (°)	Tie-In TVD (mOP)	VS Tie In (m)	TieIn NS Offset...	TieIn EW Offset (m)
78.50	0.70	176.88	78.50	0.31	-0.48	0.03
Declination (°)	Convergence (°)	Comments				
13.10	-0.75	KB=21.5				

**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)
SOUTH EAST REMORA-1	Structural	30	28.000	157.80	X-52	RL-4S	72.34		76.15		148.49
SOUTH EAST REMORA-1	Surface Casing	13 3/8	12.415	68.00	L-80	BTC	1,000.95		76.10		1,077.05