

# Daily Operations - A4

Well: SOUTH EAST REMORA-1

Wellbore Reg. Name: SER-1

	Planned	Actual (Cum)
Days (orig)	32.82	3.88
MD/TVD	3,936.08/ 3,671.99	0.00/
Cost (w/suppl)	41,700,820	4,040,980

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

Unit Set: Mixed  
Reference Elev: OP  
Currency: AUD

Report No: 4 Progress:  
Phase: Pre-Execution, Well Planning and Engineering, Drill Team & Pre-Spud Cost

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Rpt. Period: 12/18/2009 05:00 to 12/19/2009 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	

## 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	
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				611,620		
Daily Personnel Count	Daily Personnel (hrs)	Days Since Hurt	Days Since RI	Days Since LTI	Drill Time (hrs)	Average ROP (m/hr)
97.0	1,164.00	3.00	18.00	18.00		

Performance Limiter	Mitigation Attempts/Results

Activity at Report Time	Next Activity
Racking back drill pipe	Build spud mud/p/u BHA spud well

## Management Summary

Complete anchor running, cross tension, ballast down to drilling draft, take on bulk for mud, pick up drill pipe and rack in derrick. Held Pre-spud meeting with crews, and performed Hazard Hunt before start of Operation.

## Remarks

- Days without spills = 17.
- Carried pre-tour safety meetings with day and night crews. Topics: STOP cards, JSAs, handling tow gear, running anchors
  - 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.

Note:  
switched to South East Remora-1 well AFE 607/09000.1 at 08:00hrs, 15-Dec-09 from Ocean Patriot Mobilization 2009 job.

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	1.50		MOB		Re-orientated #8 anchor (flipped on side) re-run out to 920m, #8 anchor on btm @ 0620 hrs.
06:30	9.00		MOB		Run out # 3, 7, 6, 2 anchors with M/V Coral
					Anchor # PCC/Boat anchor on btm PCC/Rig
					3 0905 hrs 0935 hrs 1008 hrs
					7 1023 hrs 1049 hrs 1118 hrs
					6 1133 hrs 1210 hrs 1240 hrs
					2 1255 hrs 1355 hrs 1420 hrs
					Cross Tension anchors 3 & 7 to 270 mt for 10 min
					Cross Tension anchors 6 & 2 to 250 mt for 10 min
					NOTE
					Held SER 1 Spud meeting with rig crews .
15:30	5.50		MOB		Commence ballast rig to drilling draft @ 23.5 m
					Conduct Hazard hunt with drill/deck crews on trips/slips and falls
					Dive ROV and perform sea bed survey (Recorded on DVD) No obstructions noted on dive.
21:00	1.50		MOB		Call in M/V coral and offload bulks while service Block Dolly rollers.

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## Time Log

Start Time/Ti...	Elapsed Time (hrs)	End MD (mOP)	Category	NPT Ref #	Comments
22:30	1.50		TRIP		Prepare rig floor to pick up 5" hwdp, (Drift would not pass hwdp, lay out on deck and rattle pipe) Jsa with crew pick up 5 drill pipe and rack in derrick (drift pipe with 2 7/8" drift) Total picked up @ report 24 stands
00:00	5.00		TRIP		
Hydrotest dump valves in mud pits (ok) Hydrotest 2nd valve (new 16" valve leaking, work on 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	3.88	0.00	4,040,980	1,200,000
Drilling	0.00	32.82	0	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)	0		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	5	60.00	SLB Anadrill
Service Company	1	12.00	SLB Cementing
Service Company	2	24.00	HLB Baroid
Service Company	6	72.00	Sub Sea 7
Service Company	2	24.00	Neptune
Service Company	3	36.00	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
Pre-Tour Safety Meeting	12/18/2009 23:30	2
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	20.0	19.0	1,008.0	40.0	270		
Water Temp (°C)	Wave Height (m)	Wave Azimuth (°)	Wave Period (s)	Swell Height (m)	Swell Azimuth (°)	Swell Period (s)	
	1.00	270	4.00	0.70	225	9.00	

## Vessel and Riser

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

## Anchors

Anchor Number	Tension (kips)	Maximum Tension (kips)
1		265.0
2		260.0
3		276.0
4		287.0

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**Anchors**

Anchor Number	Tension (kips)	Maximum Tension (kips)
5		273.0
6		243.0
7		258.0
8		282.0

**Support Vessels**

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

**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	12/18/2009 11:45	
Pre-Tour Safety Meeting	Satisfactory	12/18/2009 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 Champ	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	Height (m)
Subsea	CwRdRdAlAuCr	18 3/4	15,000.0	Sour (NACE)	13.07

**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)
	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)

**PBTD's**

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

**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)