

Daily Operations - A4

Well: SOUTH EAST REMORA-1

Wellbore Reg. Name: SER-1

Days (orig)	Planned	Actual (Cum)
	32.82	13.88
MD/TVD	3,936.08/ 3,671.99	1,085.00/ 1,084.99
Cost (w/suppl)	41,700,820	12,250,070

Esso Australia Pty. Ltd.
ExxonMobil Use Only

Unit Set: Mixed
Reference Elev: OP
Currency: AUD

Report No: 14 Progress: 0.00
Phase: Drilling, Drilling, Drill 12-1/4" hole to KOP @2338m

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Rpt. Period: 12/28/2009 05:00 to 12/29/2009 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	5.71	9.13		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	2.00	28.00	28.00		

Performance Limiter	Mitigation Attempts/Results
Non-FDP Plateau Time	
Activity at Report Time	Next Activity
R/d test equip.	Pick up 12.25 bha, trip in hole

Management Summary

No Incidents
Stop Cards Red 23 Green 47
Scope out slip joint, Test Bops/Choke Manifold, 300/10k
Test standpipe 300/5k, Take on NAF and weight up from 9.2ppg to 11.0 ppg

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

Remarks

Days without spills = 27
- Carried pre-tour safety meetings with day and night crews. Topics: STOP cards, Hi-pressure testing, pick up BHA

SBM Readiness:

Completed Lock out of Environment sensitive valves, operations of valves under a work permit system
Remaining Item is flooding of Rig floor drains with sea h2o

- 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: 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	13 3/8	9 5/8			

Time Log

Start Time/Ti...	Elapsed Time (hrs)	End MD (mOP)	Category	NPT Ref #	Comments
05:00	0.50	1,085.00	BOP		Unlatch slip joint, and stroke out same, inspect inner barrell (ok)
05:30	1.00	1,085.00	BOP		Lay out landing joint, hook up hoses to slip joint, install compensator line and index line to SDL ring
06:30	0.50	1,085.00	BOP		R/d riser running tool, and 500 ton elevators
07:00	1.50	1,085.00	BOP		Jsa- pick up and install Regan KFDS-3 diverter, and perform 15k overpull (ok)
08:30	1.50	1,085.00	BOP		R/d riser equip from floor and r/u 5" handling equip.
10:00	1.50	1,085.00	BOP		M/up jet sub and Trip in hole to 196m with 8"dc and 5" hwdp
11:30	2.50	1,085.00	BOP		P/u Vetco test tool and m/u test assy, Trip in and land out with 15k down, rotate 0.5 turn to right and got indication that plug was set, Set down 45k.

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Time Log

Start Time/Ti...	Elapsed Time (hrs)	End MD (mOP)	Category	NPT Ref #	Comments
14:00	9.00	1,085.00	BOP		Test Bops. 300/10k for 5/10 min Annulars,Rams Failsafe, and choke manifold. Bops function on test with blue pod, and function yellow pod from tool pushers panel.
23:00	1.00	1,085.00	BOP		Unseat test plug and pull to rig floor, L/d same
00:00	1.00	1,085.00	BOP		Trip out of hole from 168m and lay out Jet
01:00	4.00	1,085.00	BOP		R/up test surface equipment 300/5000 psi TDS/Stand pipe valves/Tiw/Buffer chamber. NOTE! Treat NAF mud and wt up from 9.2ppg to 11.0ppg Pits weighted up @ report #4/5/2

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	13.88	32.82	10,650,070	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 Logistics, Nathan Perry, 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	12/28/2009 23:30	20
Safety Meeting	12/27/2009 00:00	5

STOP Cards and JSA's

Obs/JSA Type	No. Rpts	Comment
Green (+) SH&E Observations	47	
JSA's/JRA's (or equivalent)	45	
Red (-) SH&E Observations	23	

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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	27.0	18.0	1,016.0	8.0	135	15.	3
Water Temp (°C)	Wave Height (m)	Wave Azimuth (°)	Wave Period (s)	Swell Height (m)	Swell Azimuth (°)	Swell Period (s)	
	0.50	135	2.00	0.50	135	9.00	

Vessel and Riser

Vessel Offset (m)	Heave (m)	Pitch (°)	Roll (°)	Riser Tension (kips)
	0.20	0.10	0.10	240.0
Vessel Heading (°)	Maximum Heave (m)	Maximum Pitch (°)	Maximum Roll (°)	Riser Angle (Bottom) (°)
210	0.20	0.10	0.10	

Anchors

Anchor Number	Tension (kips)	Maximum Tension (kips)
1		282.0
2		278.0
3		278.0
4		291.0
5		282.0
6		313.0
7		278.0
8		282.0

Support Vessels

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

Fluid Checks

Source	Date/Time	Fluid Type	Fluid Category	MD (mOP)	Density (lb/gal)	ECD (lb/gal)
Pit	12/28/2009 16:00	Synthetic	Olefin/Ester Blend	1,085.0	9.20	
Funnel Viscosity (s/qt)	FL Temp (°C)	Plastic Viscosity (cp)	Yield Point (lbf/100ft²)	10-Sec Gel (lbf/100ft²)	10-Min Gel (lbf/100ft²)	30-Min Gel (lbf/100ft²)
43		18.0	10	6	7	8
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)
46	28	21	15	3	2	
API FL (mL/30min)	API FC (/32")	HTHP FL (mL/30min)	HTHP FC (/32")	HTHP Temp (°C)	HTHP Pressure (psi)	BHST (°C)
		8.0	1	149.0		
Excess Lime (lb/bbl)	Ca++ (mg/L)	Chlorides (mg/L)	n (Calc)	K (Calc)	Wellbore SOUTH EAST REMORA-1	
1.3			0.57	4.00		
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)
1.0		250				
Volume % Water (%)	Volume % Oil (%)	Oil/Water Ratio	Sand Content (%)	Volume % Solids (%)	LGS (%)	HGS (%)
25.0	66.0	72.5/27.5		6.0	2.1	3.9
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)	
					439.0	

Comments

Received 1508bbls ACCOLADE SBM ex MV Tourmaline.

Dress shakers with API 30 scalper and API 70 main.

Treating and weighing up mud in pits to 11.0ppg for displacing.

All chemical usage will be charged in next report.

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	22.0	125.0	0.0	325.0	0.0	0.0	200.0
Bentonite	100	m3	0.0	25.0	0.0	26.0	0.0	0.0	1.0
Fuel	1	m3	7.8	106.6	0.0	890.5	0.0	0.0	783.9
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	15.0	238.0	39.0	490.0	0.0	0.0	252.0

Mud Additive Amounts

Function	Description	Sales Unit Size	Sales Unit	Consumption	Cum Consumption	Cost	Cum Cost
Emulsifier	LE SUPERMUL	1,000.0	Liter		0.0		0
Filtration Reducer	ADAPTA HP	25.0	Kilogram		0.0		0
Filtration Reducer	BARACARB 50	25.0	Kilogram		0.0		0

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Safety Checks

Type	Result	Date/Time	Comments
Pre-Tour Safety Meeting	Satisfactory	12/28/2009 10:30	
Pre-Tour Safety Meeting	Satisfactory	12/28/2009 23:30	
BOP Pressure Test	Satisfactory	12/28/2009 23:45	

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	Height (m)
Subsea	CwRdRdAlAuCr	18 3/4	15,000.0	Sour (NACE)	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	Oilwell	A-1700-PT	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	0.67	177.87	78.50	0.30	-0.46	0.02
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	Surface Casing	13 3/8	12.415	68.00	L-80	BTC	1,003.00		74.04		1,077.04