

Daily Operations - A4

Well: SOUTH EAST REMORA-1

Wellbore Reg. Name: SER-1

Days (orig)	Planned	Actual (Cum)
	32.82	14.88
MD/TVD	3,936.08/ 3,671.99	1,085.00/ 1,084.99
Cost (w/suppl)	41,700,820	13,324,575

Esso Australia Pty. Ltd.
ExxonMobil Use OnlyUnit Set: Mixed
Reference Elev: OP
Currency: AUDReport No: 15 Progress: 0.00
Phase: Drilling, Drilling, Drill 12-1/4" hole to KOP @2338m

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Rpt. Period: 12/29/2009 05:00 to 12/30/2009 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	7.00	10.13		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	3.00	29.00	29.00		
Performance Limiter	Mitigation Attempts/Results					
Non-FDP Plateau Time						
Activity at Report Time	Next Activity					
Fix leaks in rotary pan	Hydro test pan, tag cmt, displace hole to SBM					

Management Summary

No Incidents
 Stop Cards Red 30 Green 23
 M/u 9 5/8" hanger and rack in derrick, pick up 12.25" dirct assy, Trip in hole to 962m.
 Hydro test rig floor and rotary pan with sea h2o, several leaks, repair same

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: 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	1.00	1,085.00	BOP		Rig down test equip, and clear rig floor
06:00	1.50	1,085.00	TRIP		Jsa- Lay down 8" drill collar and jars from derrick
07:30	1.00	1,085.00	WAIT	4	5"HWDP from deck would not drift 2 7/8", had to lay down stand from derrick to allow drifted joints to be used for 9 5/8" casing hanger. NPT 1 hour
08:30	2.50	1,085.00	TRIP		M/up 9 5/8" casing hanger assy and rack in derrick
11:00	7.50	1,085.00	TRIP		Jsa- pick up 12.25" bha, shallow test MWD w/900gpm @ 650 psi. Load R.A source and perform 2nd shallow test with 700 gpm @ 550 psi ok
18:30	2.50	1,085.00	TRIP		Function Diverter system (Closed in 22 sec) and pump through stb/port line. function new Trip tank valves and circ on hole to ensure line up and correct valves.
21:00	2.50	1,085.00	TRIP		Trip in hole with 12.25" dirct assy from 125m to 970m

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Unit Set: Mixed
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Report No: 15 Progress: 0.00
Phase: Drilling, Drilling, Drill 12-1/4" hole to KOP @2338m

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Rpt. Period: 12/29/2009 05:00 to 12/30/2009 05:00

Time Log

Start Time/Ti...	Elapsed Time (hrs)	End MD (mOP)	Category	NPT Ref #	Comments
23:30	5.50	1,085.00	WAIT	5	Hydro test rig floor and pollution pan with sea h2o several leaks detected, working on fixing leaks. First leaks observed coming from bow side of rotary pan through the stress reliefs of beams, cut 1/4" plate patches and installed over holes Re-hydro tested pan and found leaks on aft side of pan where diverter control lines are running through pan under rotary transmission. Not able to weld in this area, spray in foam and sikaflex silicon in gaps around lines.

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	4	Tubulars or Strings	Drillstring or Workstring problem	12/29/2009 07:30	12/29/2009 08:30	1.00	Contractor	DIAMOND OFFSHORE CO

Comment

5" HWDP would not drift, lay out stand from derrick for use on hanger assy.

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		5.50	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	14.88	32.82	11,724,575	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

STOP Cards and JSA's

Obs/JSA Type	No. Rpts	Comment
Green (+) SH&E Observations	23	
JSA's/JRA's (or equivalent)	34	
Red (-) SH&E Observations	30	

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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	12/29/2009 18:30	Synthetic	Olefin/Ester Blend	1,085.0	11.00	
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)
68		28.0	12	7	8	10
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)
68	40	31	21	8	6	
API FL (mL/30min)	API FC (/32")	HTHP FL (mL/30min)	HTHP FC (/32")	HTHP Temp (°C)	HTHP Pressure (psi)	BHST (°C)
		8.0		149.0		
Excess Lime (lb/bbl)	Ca++ (mg/L)	Chlorides (mg/L)	n (Calc)	K (Calc)	Wellbore SOUTH EAST REMORA-1	
1.3			0.36	17.11		
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)
1.3	273,941	350				
Volume % Water (%)	Volume % Oil (%)	Oil/Water Ratio	Sand Content (%)	Volume % Solids (%)	LGS (%)	HGS (%)
23.0	62.0	72.9/27.1		12.2	1.3	10.9
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

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

Job Supply Summary

Type	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	21.0	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	12.9	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	15.0	253.0	41.0	531.0	0.0	0.0	278.0

Mud Additive Amounts

Function	Description	Sales Unit Size	Sales Unit	Consumption	Cum Consumption	Cost	Cum Cost
Emulsifier	LE SUPERMUL	1,000.0	Liter	2.0	2.0	7,178	7,178
Viscosifier	Rhemod L	1,000.0	Liter	1.0	1.0	2,115	2,115
Weighting Material	Barite	100.0	Pound	1,341.0	2,790.0	20,115	41,850

Safety Checks

Type	Result	Date/Time	Comments
Pre-Tour Safety Meeting	Satisfactory	12/29/2009 11:30	
Pre-Tour Safety Meeting	Satisfactory	12/29/2009 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	Height (m)
Subsea	CwRdRdAIAuCr	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	National Supply	12-P-160	12/24/2009 00:00		6	0.1010	3,800.0	0.101

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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
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 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

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