

North America - North America Exploration - BP
Daily Operations Report - Partners (Drilling)

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Operator:	BP	Event Type:	DRL-OFFSHORE	Report:	21
Well/Wellbore No.:	OCS-G32306 MC252 #1/OH	Event Objective:	NEW DRILL	Date:	10/26/2009
		Well Type:	EXPLORATION		
Site:	MC252	Job Number:		Acci Proj No:	X2-000X8
Contractor:	TRANSOCEAN OFFSHORE	Rig:	MARIANAS		

Current Well Status

Depth MD:	8,970.00 (ft)	Casing Size:	28.000 (in)	Rig Accept:	5:00:00PM 9/30/2009
Est TVD:	8,969.76 (ft)	Casing(MD):	6,231.00 (ft)	Rig Release:	
Progress:	129.00 (ft)	Next Casing Size:		Spud Date:	10/6/2009
Auth Depth:	19,650.00 (ft)	Next Casing(MD):		WX Date:	10/6/2009
Hole Size:	32.500 (in)	Next Casing(TVD):		Water Depth:	4,992.00 (ft)
Elev Ref:	RKB @89.00ft (above Mean Sea Level)	Cum. Mud:	631,001	KB Elev:	89.00(ft)
DOL/DFS/Target:	20.31/20.08/61.40	Daily Well:	794,816	Total Personnel:	128
Geologist:	BODEK	Cum. Well:	18,572,416	Wellbore Max Angle:	1.96
Engineer:	FLEECE/MOREL	Est Days:	61.40 days		
Day WSL:	PARKER	Rig. Days:	20.31		
Night WSL:	VIDRINE				
Weather:	Wind E 13-15 kts, Seas 2-3'				

Current Status: MONITORING WELL.

24 Hr Summary: DRILL TO 8970'. FLOW CHECK. WELL FLOWING. SHUT IN WELL. DPP-120 PSI, CP-90 PSI. RAISE MW TO 9.9 PPG. CIRCULATE 9.9 PPG MW AROUND ON CHOKE. SHUT WELL IN, DPP-100 PSI, CP 40 PSI. MONITORING PRESSURES.

24 Hr Forecast: DISPLACE CHOKE LINE WITH 10.2 PPG MW. MONITOR. RAISE MW IN RISER TO 10.1 PPG. DISPLACE CHOKE LINE WITH 10.1 PPG MW. MONITOR WELL ON CHOKE LINE. IF WELL STATIC, OPEN ANNULAR AND CIRCULATE 9.9+ PPG MW AROUND.

Update at 06:00: DISPLACING RISER TO 10.1 PPG MW.

Comments: NO ACCIDENTS, NO ENVIRONMENTAL INCIDENTS, NO POLLUTION.

HSE and Well Control

Days Since Last DAFWC: 646

All Free Days:

Incident Details:

Last Csg Test Press:	3,400.00 (psi)	Number of Dropped Objects:	0	Last H2S Drill:	
Last BOP Pressure Test:	10/20/2009	Last Abandonment Drill:	10/25/2009	Last Trip Drill (D1):	
Next BOP Press Test:	11/3/2009	Last Accum Drill (D4):		Last Safety Meeting:	10/28/2009
Last Diverter Drill (D3):		Last Spill Drill:	7/22/2009	Last Environmental Incident:	10/20/2009
Safety Observation Cards	101	Regulatory Agency Insp:	No	Non-compliance Issued:	No

Kick Tolerance:

Kick Volume:

LOT TVD:	8,059.66 (ft)	BHP:	4,221.2 (psi) @8,059.66 (ft)	MAASSP:	0.0 (psi)
LOT EMW:	10.08 (ppg)	Test Pressure:	160.0 (psi)		

No.	Slow Pump Rates (Circ)		Slow Pump Rates (Choke)		Slow Pump Rates (Kill)	
	Stroke Rate	Pressure (psi)	Stroke Rate	Pressure (psi)	Stroke Rate	Pressure (psi)
2	20	160				
2	50	310				
2	40	250				
2	30	190				

Performance Measures

	Safety Observation Cards	SOC	JSEA/TOFS	First Aid	Near Miss
Today	101				
Total	1,802	19			

Operational Parameters

ROP Daily:	7.17 (ft/hr)	Rotating Weight:	455,000 (lbf)	Daily Bit Hrs:	0.00 (hr)	Pump Status - Drilling and Riser				
ROP Cum:	29.08 (ft/hr)	Pick Up Wt:	455,000 (lbf)	Daily Sliding Hrs:	0.00 (hr)					
WOB (min):	2 (lbf)	Slack Off Wt:	460,000 (lbf)	Cum Bit Hrs:	32.50 (hr)	No.	Operat	Efficiency	SPM	Liner
WOB (max):	12 (lbf)	Circ Rate Riser:	0.00 (gpm)			Type		(%)	(spm)	Size
Min RPM:	100 (rpm)	Circ Rate Hole:	837.21 (gpm)	Ann. Vel. Riser:						(in)
RPM DH:		Circ Off Bottom:		Ann. Vel. DC:		2	D	95.00	80.00	6.000
Torque on Bottom:	8 (ft-lbf)	Circ On Bottom:	3,990 (psi)	Ann. Vel. DP:		3	D	95.00	80.00	8.000
Torque off Bottom:	4 (ft-lbf)	Jar Hrs since Inspect:	23.50(hr)							419

3386
 Exhibit No. _____
 Worldwide Court
 Reporters, Inc.

10/27/2009 8:59:23AM

CONFIDENTIAL TREATMENT REQUESTED

BP-HZN-MB100019167

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Daily Operations Report - Partners (Drilling)

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Operator: BP	Event Type: DRL-OFFSHORE	Report: 21
Well/Wellbore No.: OCS-G32306 MC252 #1/OH	Event Objective: NEW DRILL	Date: 10/26/2009
Site: MC252	Well Type: EXPLORATION	
Contractor: TRANSOCEAN OFFSHORE	Job Number:	Acct Proj No: X2-000X8
	Rig: MARIANAS	

Bit Details

Bit Run	Re-Run	Size	Manuf.	Model	Type	Serial #	Nozzles(32nd")	TFA	Depth In(ft)	Depth Out(ft)
2	Y	18.025	HUGHES CHRISTENSEN	7017944	Polycrystalline Diamond Bit	7017944	2X16, 5X15	1.260	8,050.00	
Cum Prog (ft)		RPM Min/Max	WOB Min/Max	Daily Hrs.	Hours Cum	ROP Cum	Condition			
945.00		100/120	2/12	16.00	32.50	29.08				

BHA

BHA No.: BHA 4	TMD In: 8,050.00 (ft)	BHA Weight: 75lbf / 55lbf
Workstring Purpose: DRILL/DRESS CEMENT	TMD Out:	Wt. Below Jars: 75lbf

Component	Component Type	Component Detail	Jts	Length (ft)	Cum Length (ft)	OD (in)	ID (in)	Blade OD (in)	Bend Angle (°)	Connection		P/B
										Size (in)	Type	
Bit	Polycrystalline Diamond Bit	18 1/8" PDC BIT	1	1.83	1.83	18.025				7.625	REG	P
MWD	Steering Tool	POWER DRIVE 1100	1	13.89	15.72	8.375	3.025			7.625	REG	B
Stabilizer	Steerable Stabilizer	ROTARY STEERABLE STABILIZER	1	5.94	21.66	10.937	3.000	18.000		7.625	H90	B
MWD	Logging While Drilling	ARC VISION	1	19.47	41.13	9.125	4.025			7.625	H90	B
MWD	MWD Tool	TELESCOPE W/ 18" STABILIZER	1	31.99	73.12	9.000	4.025			7.625	H90	B
Sub	Filter Sub	DOWNHOLE FILTER SUB	1	7.70	80.82	9.500	4.000			7.625	REG	B
Underreamer	Underreamer	18 1/8" X 22" REAMER W/ STABILIZER PORTED FLOAT	1	16.39	97.21	9.500	3.500			7.625	REG	B
Drill Collar	Drill Collar	Drill Collar, Drill Collar, 9 1/2", 224.49 ppf, 4145H MOD (2), 7 5/8 H-90	1	31.03	128.24	9.562	3.125			7.625	REG	B
Underreamer	Underreamer	16 1/2" X 19 1/2" REAMER	1	13.89	142.13	9.500	3.500			7.625	REG	B
Drill Collar	Drill Collar	9 1/2" DRILL COLLAR	2	62.35	204.48	9.437	3.125			7.625	REG	B
Drill Collar	Drill Collar	9 1/2" DRILL COLLAR	1	30.65	235.13	9.562	3.125			7.625	REG	B
Sub		WEAR SLEEVE	1	11.62	246.75	9.500	3.000			7.625	REG	B
Drill Collar	Drill Collar	RUNNING TOOL	2	59.45	306.20	9.562	3.125			7.625	REG	B
Sub	Cross Over	9 1/2" DRILL COLLAR CROSS OVER SUB	1	3.82	310.02	8.167	2.812			6.625	REG	B
Heavy Weight	Heavy Weight Drill Pipe	HEAVY WEIGHT DRILL PIPE	3	91.47	401.49	6.625	4.625			6.625	FH	B
Jar	Drilling Jar	DRILLING JAR	1	33.06	434.55	8.000	3.000			6.625	FH	B
Heavy Weight	Heavy Weight Drill Pipe	HEAVY WEIGHT DRILL PIPE	23	708.79	1,143.34	6.625	4.625			6.625	FH	B
Sub	Cross Over	CROSS OVER SUB	1	3.77	1,147.11	8.500	4.000			5.500	FH	B
Drill Pipe	Drill Pipe	5 1/2" DRILL PIPE	146	4,765.06	5,912.17	5.500	4.625			5.500	HT-55	B
Sub	Cross Over	5 1/2" HT 55 X 6 5/8" FH	1	4.46	5,916.63	7.025	3.375			6.625	FH	B
Drill Pipe	Drill Pipe	6 5/8" FH DRILL PIPE	124	2,924.37	8,841.00	6.625	5.375			6.625	FH	B

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CONFIDENTIAL TREATMENT REQUESTED

BP-HZN-MBI00019168

Daily Operations Report - Partners (Drilling)

Operator:	BP	Event Type:	DRL- OFFSHORE	Report:	21
Well/Wellbore No.:	OCS-G32306 MC252 #1/OH	Event Objective:	NEW DRILL	Date:	10/26/2009
Site:	MC252	Well Type:	EXPLORATION		
Contractor:	TRANSOCEAN OFFSHORE	Job Number:		Acct Proj No:	X2-000X8
		Rig:	MARIANAS		

Drilling Fluid

Type:	SYNTHETIC OBM	10 sec gels:	10.000 (lb/100ft)	Ca:	ES:	258.0 (Volts)
Time:	23:59 /PIT	10 min gels:	13.000 (lb/100ft)	K+:	Solids:	
Depth:	8,901,050.00 (ft)	Fluid Loss:	0.0 (cc/30min)	CaCl2:	Oil:	63.50 (%)
FL Temp.:	72 (°F)	HTHP Temp:	200.0 (°F)	NaCl:	Water:	24.00 (%)
Density:	9.90 (ppg)	HTHP WL:	4.2 (cc/30min)	Cl-:	Oil/Water:	71.00/29.00
Funnel Visc:	56.00 (s/qt)	Cake:		Sand:	Daily Cuttings:	
ECD:	9.94 (ppg)	MBT:		HGS:	Cum Cuttings:	0.0 (bbl)
PV:	21.00 (cp)	Lime:		LGS:	Lost Downhole:	
YP:	20.000 (lb/100ft)	PM:		P/Mf:	Lost Surface:	

Operations Summary

From - To Op. Depth (ft)	Hrs (hr)	Phase	Task	Activity	Code	NPT	Operation
00:00 - 04:00 8,970.0	4.00	LNR1	DRILL	DRL	P		CONTINUE DRILLING FROM 8,841' TO 8,970'. FLOW CHECKED DRILLING BREAK AT 8,873', 8,914' WELL STATIC. DRILLED 15' AND CIRC BOTTOMS UP ABOVE BHA, AT 03:10 TOOK SCR'S. MADE A CONNECTION THEN FLUSHED CHOKE AND KILL LINES WITH 9.9 PPG SOBM.
04:00 - 09:30 8,970.0	5.50	LNR1	DRILL	WELCON	N	DPRB	NOTICED CUTTINGS INCREASE AT PRIMER SHAKERS, FLOW INCREASED OVER PRIMERS. P/U OFF OF BOTTOM, SHUT PUMPS DOWN AND FLOW CHECKED WELL, WELL DID NOT BECOME STATIC. FLOW DECREASED, THEN STAYED SAME, NOT INCREASING OR DECREASING. SHUT IN WELL (UPPER ANNULAR) AND MONITORED WELL ON CHOKE. INITIAL SHUT IN PRESSURE DP- 40 PSI, CSG-10 PSI. SIP AT 0545 HRS, DP- 110 PSI, CSG 80 PSI. ATTEMPT TO BLEED OFF 1/4 BBL OFF DP, BLEED 2 BBLs BEFORE COULD GET VALVE CLOSED. ISIP DP- 30 PSI, CSG- 80 PSI. DPP INCREASED TO 120 PSI IN 10 MINUTES AND STABILIZED AT 120 PSI, CSG PRESSURE STABILIZES AT 90 PSI. REDUCED PRESSURE ON UPPER ANNULAR TO 1060 PSI AND WORKED PIPE 5' UP AND DOWN TO VERIFY PIPE WAS FREE. WORKING PIPE EVERY HOUR TO VERIFY FREE MOVEMENT, P/U 455K, S/O 460K. AT 08:00 DECISION WAS MADE TO WEIGHT UP ACTIVE SYSTEM TO 9.9 PPG. LINED UP BOTH CHOKE AND KILL TO PO BOY DEGASSER THOUGH ONE CHOKE. CONTINUED TO MONITOR WELL WHILE WEIGHTING UP ACTIVE SYSTEM VOLUME.
09:30 - 12:00 8,970.0	2.50	LNR1	DRILL	WASH	N	DPRB	SHUT-IN PRESSURES PRIOR TO CIRCULATING, DP- 120 PSI, WHD GAUGE-2785 PSI, CSG-80 PSI, KILL-20 PSI, STAGE PUMPS UP TO KILL RATE 20 SPM WITH 9.9 PPG SBM. CONTINUE WITH WELL KILL OPERATIONS. AT 10:20, WORKED PIPE 5' TO VERIFY FREE MOVEMENT, DP PRESSURE INCREASED TO 500 PSI, NO INCREASE ON THE CHOKE, KILL OR WHD GAUGE, MONITORED WHD GAUGE PRESSURE WHILE PRESSURE DECREASED BACK TO PREVIOUS CIRCULATING PRESSURE ON DP. LOST TOTAL 21 BBLs WHILE CIRC 9.9 PPG TO BIT.
12:00 - 21:30 8,970.0	9.50	LNR1	DRILL	WELKIL	N	DPRB	ACTIVE SYSTEM 9.9 PPG SBM, 535 BBLs. CONTINUE WELL KILL OPERATIONS PUMPING DOWN DRILL PIPE TAKING RETURNS UP THE KILL LINE AT 2 1/2 BBLs/MIN (21STKS), DRILL PIPE PRESSURE 200 PSI AND CASING PRESSURE WAS 20 PSI, LOST 3 BBLs. AT 13:40 STAGED PUMPS UP FROM 21 STKS/MIN TO 30 STKS/MIN, DRILL PIPE PRESSURE 280 PSI AND CASING PRESSURE 30 PSI, LOST 35 BBLs. AT 15:15 SLOWED PUMP RATE DOWN FROM 30 STKS/MIN TO 21 STKS/MIN, DRILL PIPE PRESURE 240 PSI, CASING PRESSURE 20 PSI, LOST 89 BBLs. LOST 127 BBLs WHILE CIRCULATING 9.9 PPG SBM FROM BIT TO SURFACE. TOTAL LOSSES WHILE CIRCULATING 9.9 PPG SBM 148 BBLs. WHILE CIRCULATING WELL MOVED PIPE EVERY HOUR TO ENSURE PIPE

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 Well Type: EXPLORATION
 Site: MC252 Job Number: Acct Proj No: X2-000X8
 Contractor: TRANSOCEAN OFFSHORE Rig: MARIANAS

Operations Summary

From - To Op. Depth (ft)	Hrs (hr)	Phase	Task	Activity	Code	NPT	Operation
21:30 - 00:00 8,970.0	2.50	LNR1	DRILL	WELKIL	N	DPRB	IS FREE, PICK UP 475K, SLACK OFF 455K. AT 21:19 SHUT IN WELL. ISIP -DRILL PIPE PRESSURE 110 PSI AND CASING PRESSURE 60 PSI. MONITORED FOR 30 MIN. FSIP DP-100PSI, CSG - 50PSI. BLED BACK 1/4 BBL FROM ANNULUS. ISIP DP-100PSI, CSG 40 PSI. MONITORED FOR 30 MINUTES, FSIP DP-100 PSI, CSG- 50. BLED 1/4 BBL FROM ANNULUS. ISIP DP-100 PSI, CSG-30 PSI. MONITORED FOR 30 MINUTES, FSIP DP-100 PSI, CSG- 40 PSI. BLED 1/4 BBL FROM ANNULUS, ISIP DP-100PSI, CSG- 40 PSI. MONITORED FOR 15 MINUTES. FSIP DP-100, CSG 40. BLED 1/4 BBL FROM DP. ISIP DP-40PSI, CSG 40 PSI. MONITORED FOR 30 MINUTES. FSIP DP-100 PSI, CSG 40 PSI. BLED BACK 1/4 BBL FROM DP. ISIP DP-50 PSI, CSG- 40 PSI. 30 MIN SIP DP-100, CSG 40 PSI.

Mud Log Information

Formation: Lithology: 50 SH,30 SL,ST,15 LST & 5 S.ST Formation top @: 8,870.00 (ft) Max Background Gas: 231.00 (%) Max Trip Gas: Max Connection Gas: 0.00 (%) Pore Press:

Materials/Consumption

Item	Unit	Usage	On Hand	Item	Unit	Usage	On Hand
DIESEL	GAL	6,171	230,491	DRILL WATER	BBLS	214	1,496
POTABLE WATER	BBLS	151	1,724	HELICOPTER FUEL	GAL	0	1,325
BARITE	SACKS	1,125	5,664	CEMENT	SACKS	0	1,404

Personnel

Personnel on Board: 128

Company	No. People	Hours	Company	No. People	Hours
BP	128	1,536.00			

Weather

Temperature H/L: 81.0(°F) / 74.0(°F) Wind Speed: 13.0(knots) Visibility: 10.00(mi) Prec Type:
 Bar Press: 29.97(In-Hg) Wind Direction: 90.00(°) Ceiling:
 Wind Chill: Gust Speed: 15.0(knots) Prec Amt:

Anchoring/Marine

	01	02	03	04	05	06	07	08	09	10	11	12
Tension (lbf)	410	372	285	582	549	309	300	259	200	185	200	200
Direction (°)												

Rig Heading: 210.00 (°) Sea Height: 2.00 (ft) Rig Heave: 0.16 (ft) Current Speed: 0.2 (knots)
 VDL: 3442 (lbf) Sea Dir: 90.00 (°) Rig Roll: 0.20 (°) Current Direction: 287.00 (°)
 Swell Height: 3.00 (ft) Sea Period: 6 (sec) Rig Pitch: 0.10(°)
 Comments:

Cumulative Phase Breakdown

Phase	Planned						Change of Scope						Total Hours
	Prod	% Total	NPT	% Total	WOW	% Total	Prod	% Total	NPT	% Total	WOW	% Total	
COND1	8.50	100.00		0.00		0.00		0.00		0.00		0.00	8.50
COND2	64.00	95.52	3.00	4.48		0.00		0.00		0.00		0.00	67.00
SURF	185.50	50.00	185.50	50.00		0.00		0.00		0.00		0.00	371.00
LNR1	21.00	51.22	20.00	48.78		0.00		0.00		0.00		0.00	41.00
Total	279.00	57.23	208.50	42.77		0.00		0.00		0.00		0.00	487.50

Support Craft/Logistics

Arrival	Depart	Type	Number	Comments
		SUPPLY BOAT	1151580	

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Site:	MC252	Well Type:	EXPLORATION		
Contractor:	TRANSOCEAN OFFSHORE	Job Number:		Acct Proj No:	X2-000X8
		Rig:	MARIANAS		

Support Craft/Logistics

Arrival	Depart	Type	Number	Comments
22:30		SUPPLY BOAT	EDISON	AT RIG WITH 2804 SX BARITE, 710 BBLS BASE OIL. (Cr: 1 In: 0 Out: 0)
		CREW BOAT	FAST SPIRIT	EN ROUTE TO BASE W/ EMPTY CARGO BOXES, PALLET BOXES. (Cr: 1 In: 0 Out: 0)
00:00		SUPPLY BOAT	1178758	AT RIG WORKING AS ORDERED. (Cr: 1 In: 0 Out: 0)
		SUPPLY BOAT	1075679	
		SUPPLY BOAT	1075679	

Remarks

00:00-04:00 OPS:

00:00-04:00: CONTINUE MONITORING WELL CONTROL SITUATION RECORDING PRESSURES.

AT 02:00 BLEED BACK 1/2 BBL THRU CHOKE TO MINI TRIP TANK.

AT 02:15 DECISION MADE TO SWEEP STACK, LINED UP TO PUMP DOWN CHOKE LINE TAKING RETURNS UP UPPER BLEED VALVES ON KILL LINE.

AT 02:30 PUMPING AT 3 BBLS/MIN INCREASED TO 10 BBLS/MIN, 990 PSI, 190 PSI ON CASING, 130 PSI ON DRILL PIPE. MAX GAS 182. TOTAL STROKES 2285, 342 BBLS.

AT 03:05 DISPLACED CHOKE LINE WITH 10.2 PPG SBM, AT 6 1/2 BBLS/MIN, 450 PSI. AT 03:40 OPENED LOWER PIPE RAMS, MONITORING PRESSURE ON CHOKE LINE 0 PSI, KILL LINE 80 PSI, DRILL PIPE 100 PSI.

RECEIVED APPROVAL FROM LYNARD CARTER MMS-NEW ORLEANS DISTRICT, OCTOBER 25, 2009 TO DRILL TO HOLE SECTION TD (9900') WITH UP TO A 10.0 MW.

BUCKING MACHINE OPS:

HURRICANE T TIME: 92

TIME TO SECURE: 68

ESSENTIAL PERSONNEL: 78

NON ESSENTIAL PERSONNEL: 50

BULLSEYE REPORT

FLEX JOINT

BOP

DEG: 0.63°

DEG: 1.25°

HEADING: 275.00°

HEADING: 315.00°

TIME: 07:45

TIME: 07:49

10/27/2009

8:59:23AM