

Submit 1 Copy To Appropriate District Office
District I -- (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II -- (575) 748-1283
811 S. First St., Artesia, NM 88210
District III -- (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV -- (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised August 1, 2011

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-059-20548
1. Type of Well: Oil Well ☐ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☐ FEE ☐
2. Name of Operator Oxy USA Inc.		6. State Oil & Gas Lease No.
3. Address of Operator PO Box 4294, Houston TX 77210		7. Lease Name or Unit Agreement Name Bravo Dome 2034
4. Well Location Unit Letter K : 1700 feet from the South line and 1700 feet from the West line Section 18 Township 20N Range 34E NMPM County Union		8. Well Number 182
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4835.6		9. OGRID Number 16696
		10. Pool name or Wildcat Bravo Dome 640

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☒	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☒	
DOWNHOLE COMMINGLE ☐			
OTHER: ☐		OTHER: ☐	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

See attached

Spud Date:

9/13/11

Rig Release Date:

9/17/11

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE *L. Lockett* TITLE *Reg. Analyst* DATE *3/28/12*
Type or print name *L. Kiki Lockett* E-mail address: *kiki-lockett@oxy.com* PHONE: *713-215-7643*
For State Use Only
APPROVED BY: *Ed Martin* TITLE **DISTRICT SUPERVISOR** DATE *8/29/2012*
Conditions of Approval (if any):

Operation Summary Report

Well: BRAVO DOME UNIT 2034 182K
 Project: BRAVO DOME
 Site: BRAVO DOME C02 UNIT

Event Name: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT
 Start Date: 9/13/2011
 End Date: 9/17/2011

Rig Name: TRINIDAD 216

#	Date	Time Start-End	Hrs	Op Details
1	09/13/2011	12:00 - 15:00	3.00	NOTIFIED ED MARTIN @ NMOCD @ 8:00 AM of RIG MOVE & INTENT TO SPUD PJSM - MOVED RIG 216 54 MILES & RIGGED UP ON NEW LOCATION
		15:00 - 18:00	3.00	PJSM - RIG UP RIG & CAMP. MIXED SPUD MUD, PERFORMED RIG INSPECTION & ACCEPTED RIG ON DAY-WORK @ 18:00 (6:00 PM). HELD PRE-SPUD & SAFETY MEETING. & SPUDDED 12 1/4" HOLE @ 6:00 PM 9/13/11
		18:00 - 21:00	3.00	SPUDDED 12 1/4" HOLE @ 18:00 HOURS (6:00 PM) 9/13/2011 DRILLED FROM: 12' TO 250' @ 79.33' / HR. ROTARY - 125 RPM WT. ON BIT - 5 - 20 K GPM - 400 PUMP PRES. - 900 PSI SAFETY BREAK: MAKING CONNECTIONS
		21:00 - 00:00	3.00	DRILLED FROM: 250' TO 400' @ 50' / HR. ROTARY - 125 RPM WT. ON BIT - 5 - 20 K GPM - 400 PUMP PRES. - 900 PSI SAFETY BREAK: HAND TOOLS.
2	09/14/2011	00:00 - 04:00	4.00	DRILLED FROM: 400' TO 580' @ 45' / HR. ROTARY - 125 RPM WT. ON BIT - 5 - 20 K GPM - 400 PUMP PRES. - 900 PSI SAFETY BREAK: PICKING UP & HANDLING BHA & DRILL COLLARS
		04:00 - 06:00	2.00	DRILLED FROM: 580' TO 750' @ 85' / HR. ROTARY - 125 RPM WT. ON BIT - 5 - 30 K GPM - 400 PUMP PRES. - 900 PSI SAFETY BREAK: WORKING ON TOP DRIVE.
		06:00 - 07:00	1.00	DRILLED FROM: 750' TO 802' @ 52' / HR. TD SURFACE HOLE @ 802' @ 7:00 AM - .13 ROTATING HOURS. ROTARY - 125 RPM WT. ON BIT - 5 - 30 K GPM - 400 PUMP PRES. - 900 PSI SAFETY BREAK: 100% TIE OFF
		07:00 - 08:00	1.00	PJSM - CIRCULATE & CONDITION HOLE TO RUN 8 5/8" CASING.
		08:00 - 10:00	2.00	PJSM - DROPPED TOTCO & T O H & LDDP & BHA. SAFETY BREAK: TRIPPING PIPE & FALLING OBJECTS.
		10:00 - 11:00	1.00	PJSM - RUNNING SURFACE CASING RAN 8 5/8" SURFACE CASING AS FOLLOWS: 1 - TEXAS PATTERN SHOE 1 - 8 5/8", 24#, STC, J - 55, SHOE JOINT WITH INSERT FLOAT 17 - JOINTS OF 8 5/8", 24#, J-55, STC CASING RAN VERY WELL w/NO PROBLEMS: CASING SET AT 782'
		11:00 - 12:00	1.00	CIRCULATE & CONDITION HOLE FOR CEMENTING 8 5/8" SURFACE CASING. PJSM: RIG UP HALCO
		12:00 - 13:00	1.00	PJSM - TEST LINES TO 2,500 PSI CEMENT AS FOLLOWS: PUMP 500 SACKS OF LEAD, MIXED TO 14.8PPG, 1.35 YELD AT 6.5BPM WITH 200 PSI DROPPED PLUG & DISPLACED CEMENT WITH 47.3 BBLs FRESH WATER USING HALLIBURTON PUMP TRUCK AT 6 BPM WITH 290 PSI FINAL DISPLACEMENT PRESSURE. BUMP PLUG @ 1:00 PM WITH 500 PSI. PSI UP TO 1000 PSI, HELD PRESSURE FOR 5 MINUTES. FLOAT HELD. CIRCULATE 47 BBLs (196 SX) TO PIT.

Operation Summary Report

Well: BRAVO DOME UNIT 2034 182K

Event Name: DEV DRILLING

Project: BRAVO DOME

Prim. Reason: ORIG DRILL VERT

Site: BRAVO DOME C02 UNIT

Start Date: 9/13/2011

End Date: 9/17/2011

Rig Name: TRINIDAD 216

#	Date	Time Start-End	Hrs	Op Details
		13:00 - 17:00	4.00	W O C - 4 HRS. SAFETY MEETING : NIPPLING UP & TESTING BOP & CASING
		17:00 - 21:00	4.00	PJSM - REMOVED HALLIBURTON CEMENT HEAD, BACKED OUT LANDING JOINT - SCREW ON 11" x 2 M DRILLING FLANGE & N/U BOP & FLOWLINE TO BELL NIPPLE AND N/U WELL HEAD VALVES.
		21:00 - 21:30	0.50	TEST ANNULAR 250 LO / 1000 HI FOR 15 MINUTES.
		21:30 - 22:00	0.50	FINISH N/U BOP RISER AND CIRCULATING HEAD. CHAIN OFF BOP.
		22:00 - 23:00	1.00	TIH WITH BIT #2 AND BHA #2. TAG CEMENT @ 743
		23:00 - 23:30	0.50	CLOSE ANNULAR & TEST CASING TO 1,000 PSI for 30 MIN. / GOOD TEST
		23:30 - 00:00	0.50	INSTALL ROTATING RUBBER.
3	09/15/2011	00:00 - 03:00	3.00	DRILLED CEMENT & FLOAT EQUIPMENT FROM: 738 ' TO 802' @ 23' FT / HR. ROTARY - 60 RPM WT. ON BIT - 10 - 15 K GPM - 400 PUMP PRES. - 1000 PSI SAFETY BREAK: PICKING UP & HANDLING BHA & DRILL COLLARS
		03:00 - 06:00	3.00	DRILLED 7 7/8" PROD. HOLE FROM: 802 ' TO 1,000' @ 64 FT / HR. ROTARY - 80 RPM WT. ON BIT - 10 - 20 K GPM - 400 PUMP PRES. - 1000 PSI SAFETY BREAK: HIGH PRESSURE LINES.
		06:00 - 10:00	4.00	DRILLED 7 7/8" PROD. HOLE FROM: 1,000 ' TO 1,200' @ 50 FT / HR. ROTARY - 80 RPM WT. ON BIT - 10 - 25 K GPM - 400 PUMP PRES. - 1000 PSI SAFETY BREAK: HIGH PRESSURE LINES.
		10:00 - 14:00	4.00	DRILLED 7 7/8" PROD. HOLE FROM: 1,200 ' TO 1,400' @ 50 FT / HR. - ROTARY - 80 RPM WT. ON BIT - 10 - 30 K GPM - 400 PUMP PRES. - 1000 PSI SAFETY BREAK: MUDDY LOCATION
		14:00 - 18:00	4.00	DRILLED 7 7/8" PROD. HOLE FROM: 1,400 ' TO 1,520' @ 30 FT / HR. ROTARY - 80 RPM WT. ON BIT - 10 - 32 K GPM - 400 PUMP PRES. - 1000 PSI SAFETY BREAK: OFF LOADING DRILL PIPE
		18:00 - 22:00	4.00	DRILLED 7 7/8" PROD. HOLE FROM: 1,520 ' TO 1580,' @ 15 FT / HR. ROTARY - 80 RPM WT. ON BIT - 10 - 32 K GPM - 400 PUMP PRES. - 1000 PSI SAFETY BREAK: STRAPING PIPE ON PIPE RACK.
		22:00 - 00:00	2.00	DRILLED 7 7/8" PROD. HOLE FROM: 1580, TO 1620' @ 20 FT / HR. ROTARY - 80 RPM WT. ON BIT - 10 - 32 K GPM - 400 PUMP PRES. - 1000 PSI SAFETY BREAK: WORKING IN THE RAIN

Operation Summary Report

Well: BRAVO DOME UNIT 2034 182K

Event Name: DEV DRILLING

Project: BRAVO DOME

Prim. Reason: ORIG DRILL VERT

Site: BRAVO DOME C02 UNIT

Start Date: 9/13/2011

End Date: 9/17/2011

Rig Name: TRINIDAD 216

#	Date	Time Start-End	Hrs	Op Details
4	09/16/2011	00:00 - 03:00	3.00	DRILLED 7 7/8" PROD. HOLE FROM: 1,620' TO 1,720' @ 33.33 FT / HR.

ROTARY - 80 RPM
 WT. ON BIT - 10 - 30 K
 GPM - 400
 PUMP PRES. - 1000 PSI

SAFETY BREAK: MUDDY LOCATION

		03:00 - 06:00	3.00	DRILLED 7 7/8" PROD. HOLE FROM: 1,720' TO 1,850' @ 43.33 FT / HR.
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ROTARY - 80 RPM
 WT. ON BIT - 10 - 30 K
 GPM - 400
 PUMP PRES. - 1000 PSI

SAFETY BREAK: WIRE LINE SURVEY

		06:00 - 10:00	4.00	DRILLED 7 7/8" PROD. HOLE FROM: 1,850' TO 2,050' @ 50 FT / HR.
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ROTARY - 80 RPM
 WT. ON BIT - 10 - 30 K
 GPM - 400
 PUMP PRES. - 1000 PSI

SAFETY BREAK: MIXING MUD & CHEMICALS

		10:00 - 14:00	4.00	DRILLED 7 7/8" PROD. HOLE FROM: 2,050' TO 2,210' @ 40 FT / HR.
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ROTARY - 80 RPM
 WT. ON BIT - 10 - 30 K
 GPM - 400
 PUMP PRES. - 1000 PSI

SAFETY BREAK: 100% TIE OFF

		14:00 - 14:30	0.50	PJSM - WIRE LINE SURVEY & SERVICE RIG & TOP DRIVE. SURVEY - 1 3/4 DEGREE
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		14:30 - 18:30	4.00	DRILLED 7 7/8" PROD. HOLE FROM: 2,050' TO 2,330' @ 40 FT / HR.
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ROTARY - 80 RPM
 WT. ON BIT - 30 K
 GPM - 400
 PUMP PRES. - 1000 PSI

TOPPED THE CIMARRON @ 2,204'
 DRILLED THE CIMARRON @ 19'
 TOPPED THE TUBB @ 2,223'
 DRILLED THE TUBB @ 170'
 DRILLED 10' OF RATHOLE @ 10'
 TOTAL DEPTH WELLBORE @ 2,403' = TOTAL MEASURED DEPTH

5 1/2" PRODUCTION CASING SET & CEMENTED @ 2,395'

SAFETY BREAK: COMMUNICATION

Operation Summary Report

Well: BRAVO DOME UNIT 2034 182K	Event Name: DEV DRILLING
Project: BRAVO DOME	Prim. Reason: ORIG DRILL VERT
Site: BRAVO DOME C02 UNIT	Start Date: 9/13/2011
	End Date: 9/17/2011
	Rig Name: TRINIDAD 216

#	Date	Time Start-End	Hrs	Op Details
		18:30 - 21:00	2.50	DRILLED 7 7/8" PROD. HOLE FROM: 2,330' TO 2,403' @ 40 FT / HR. ROTARY - 80 RPM WT. ON BIT - 30 K GPM - 400 PUMP PRES. - 1000 PSI TOPPED THE CIMARRON @ 2,204' DRILLED THE CIMARRON @ 19' TOPPED THE TUBB @ 2,223' DRILLED THE TUBB @ 170' DRILLED 10' OF RATHOLE @ 10' TOTAL DEPTH WELLBORE @ 2,403' = TOTAL MEASURED DEPTH 5 1/2" PRODUCTION CASING SET & CEMENTED @ 2,395' SAFETY BREAK: COMMUNICATION & HAND SIGNALS
		21:00 - 22:00	1.00	PJSM - CIRCULATE & CONDITION HOLE FOR PRODUCTION CASING RUN
		22:00 - 00:00	2.00	PJSM - T O H & LDDP & BHA TO RUN 5 1/2" PRODUCTION CASING.
5	09/17/2011	00:00 - 04:00	4.00	PJSM - RIG UP & RUN 5 1/2" PROD. CSG. AS FOLLOWS: 1 - FLOAT SHOE - 0.50 - 2,395.60 - 2,395.10.' 1 - 5 1/2", 15.5# SHOE JT. 10.10 - 2,395.10 - 2,385.00' 86 - JTS. 5 1/2", 15.5# CSG. JTS. -2383.50 - 2,385.00 - 2,383.50' 1 - LANDING JT. 51/2", 15.5# - 17.12 - 17.12 - 5.00' - (STICK UP) 5 1/2" PROD. CSG. SET & CEMENTED @ 2,395.6' MD. SAFETY BREAK: RUNNING CASING
		04:00 - 05:00	1.00	CIRC. & CONDITION HOLE FOR CEMENT JOB. RIG DOWN CRT. & RIG UP HALCO, HOLD PJSM & PREPARE TO CEMENT 5 1/2" PROD. CSG.
		05:00 - 06:00	1.00	PJSM - PRESSURE TEST LINES TO 2500 PSI PUMPED 20 BBL FRESH WATER SPACER LEAD CEMENT: - 11.1 PPG PREMIUM PLUS WITH 2% CACL, 460 SACKS - 0.25 LBM/SACK POLY - E - FLAKE - YIELD: 3.25 CUFT/SACK - SLURRY VOLUME: 266.2 BBLS - PUMP RATE: 6.0 BBL/MIN - CASING PRESSURE: 350 PSI TAIL CEMENT: - 13.2 PPG PREMIUM PLUS CEMENT WITH 2% CC, 150 SACKS - SLURRY VOLUME: 49.4 BBLS - 0.25 LBM/SACK POLY - E - FLAKE - YIELD: 1.85 CUFT/SACK - PUMP RATE: 6 BBL/MIN - CASING PRESSURE: 310 PSI DISPLACE WITH 56.9 BBL OF FRESH WATER - PUMP RATE: 5 BBL/MIN - CASING PRESSURE: 580.0 PSI - BUMPED PLUG AT 2 BBL/MIN AT 1010 PSI @ 6:00 AM 9/17/2011 - CIRCULATED 197 BBLS OF CEMENT TO SURFACE. (341 SKS) FLOAT HELD - RIGGED DOWN HALCO
		06:00 - 10:00	4.00	W O C - CLEAN PITS, RIG DOWN RIG, PREPARE FOR RIG MOVE TO NEW LOCATION.

Operation Summary Report

Well: BRAVO DOME UNIT 2034 182K

Event Name: DEV DRILLING

Project: BRAVO DOME

Prim. Reason: ORIG DRILL VERT

Site: BRAVO DOME C02 UNIT

Start Date: 9/13/2011

End Date: 9/17/2011

Rig Name: TRINIDAD 216

#	Date	Time Start-End	Hrs	Op Details
		10:00 - 12:00	2.00	RELEASED CHAINS ON CASING, RIGGED DOWN HALCO CEMENTING HEAD, BACKED OUT LANDING JOINT, N/D BOP. MADE UP WING NUT ON WELL-HEAD AND SECURED WELL HEAD PROPERLY. RIGGED DOWN & PREPARED FOR RIG MOVE TO THE 2133 152 J RELEASED RIG# 216 @ 12:00 NOON 09/17/2011.

OCCIDENTAL PERMIAN LTD.

Casing Report

Well: BRAVO DOME UNIT 2034 182K	Event Name: DEV DRILLING	Report Date: 9/17/2011
Project: BRAVO DOME	Prim. Reason: ORIG DRILL VERT	Report No.: 2
Site: BRAVO DOME C02 UNIT	Start Date: 9/13/2011	Wellbore: 00
Active Datum: Original KB @4,847.60ft (above Mean Sea Level)	End Date: 9/17/2011	

Assembly			Casing Flange		Status History	
Assembly Name:	PRODUCTION CASING	Weight in Slips:	Manufacturer:	BESTLINE	9/17/2011	INSTALLED
Nom. Size:	5.500 (in)	Hours Circ:	Model:	CIW "F"		
Top MD:	12.00 (ft)	Fluid Lost:	Hanger Model:			
Landed MD:	2,395.02 (ft)	Vol Fluid Lost:	Packoff Model:			
Assembly Length:	2,383.02 (ft)		Top Flange Size/Rating:	7.000 (in)/2000 (psi)		
Liner Overlap:			Btm Flange Size/Rating:			

Components														
Component Name	Jts	Length (ft)		Btm MD (ft)	Nominal OD (in)	Nominal ID (in)	Drift ID (in)	Weight (ppf)	Grade	Threads	Manufacturer	Model	Serial No.	Cond
LANDING JOINT	1	17.12	12	29.12	5.500	4.950	4.825	15.50	J-55	LTC	LONE STAR STEEL			NEW
CASING JOINT(S)	56	2,355.30	29	2,384.42	5.500	4.950	4.825	15.50	J-55	LTC	LONE STAR STEEL			NEW
INSERT FLOAT	1	0.00	2384	2,384.42	5.500	4.950	0.000	15.50	J-55	LTC	HALLIBURTON	TROPHY		NEW
SHOE JOINT	1	10.10	2384	2,394.52	5.500	4.950	4.825	15.50	J-55	LTC	LONE STAR STEEL			NEW
FLOAT SHOE	1	0.50	2395	2,395.02	5.500	4.950	0.000	15.50	J-55	LTC	HALLIBURTON	TROPHY		NEW

Jewelry							
Accessory Name		Manufacturer			Num	Spacing (ft)	Interval
							Top MD (ft) Btm MD (ft)
CENTRALIZER - SEMI-RIGID BOW		HALLIBURTON			20	117.77	25.00 2,590.00
							FLOATING

Remarks
VERY GOOD CASING & CEMENT JOB, CIRC. 341 SX CEMENT TO SURFACE

OCCIDENTAL PERMIAN LTD.

Casing Report

Well: BRAVO DOME UNIT 2034 182K	Event Name: DEV DRILLING	Report Date: 9/14/2011
Project: BRAVO DOME	Prim. Reason: ORIG DRILL VERT	Report No.: 1
Site: BRAVO DOME C02 UNIT	Start Date: 9/13/2011	Wellbore: 00
Active Datum: Original KB @4,847.60ft (above Mean Sea Level)	End Date: 9/17/2011	

Assembly				Casing Flange		Status History	
Assembly Name: SURFACE CASING	Weight in Slips: 19.2 (kip)			Manufacturer: CAMERON		9/14/2011	INSTALLED
Nom. Size: 8.625 (in)	Hours Circ: 1.00 (hr)			Model: CIW "F"			
Top MD: 12.00 (ft)	Fluid Lost:			Hanger Model:			
Landed MD: 795.00 (ft)	Vol Fluid Lost:			Packoff Model:			
Assembly Length: 783.00 (ft)				Top Flange Size/Rating: 11.000 (in)/2000 (psi)			
Liner Overlap:				Btm Flange Size/Rating:			

Components														
Component Name	Jts	Length (ft)		Btm MD (ft)	Nominal OD (in)	Nominal ID (in)	Drift ID (in)	Weight (ppf)	Grade	Threads	Manufacturer	Model	Serial No.	Cond.
TEXAS PATTERN SHOE	1	1.00	12	13.00	8.625	8.097	0.000	0.00		STC	HALLIBURTON	TROPHY		NEW
SHOE JOINT	1	43.45	13	56.45	8.625	8.097	7.972	24.00	J-55	STC	LONE STAR STEEL			NEW
INSERT FLOAT	1	0.00	56	56.45	8.625	8.097	7.927	0.00		STC	HALLIBURTON	TROPHY		NEW
CASING JOINT(S)	17	738.55	56	795.00	8.625	8.097	7.972	24.00	J-55	STC	LONE STAR STEEL			NEW

Jewelry							
Accessory Name	Manufacturer	Num	Spacing (ft)	Interval		How Fixed	
				Top MD (ft)	Btm MD (ft)		
CENTRALIZER - SEMI-RIGID BOW	HALLIBURTON	6	130.33	30.00	760.00	FLOATING	

Remarks
VERY GOOD CASING & CEMENT JOB. CIRCULATED 196 SX. TO SURFACE

PRIMARY Cementing Report

Well: BRAVO DOME UNIT 2034 182K	Event Name: DEV DRILLING	Report Date: 9/17/2011
Project: BRAVO DOME	Prim. Reason: ORIG DRILL VERT	Report No.: 2
Site: BRAVO DOME C02 UNIT	Start Date: 9/13/2011	Wellbore: 00
Active Datum: Original KB @4,847.60ft (above Mean Sea Level)	End Date: 9/17/2011	

General Job Information

Contractor: HALLIBURTON	Cemented Assembly: PRODUCTION CASING		
WOC Time:	Assembly Size: 5.500 (in)	Actual TOC MD: 12.00 (ft)	
Foam: N	Assembly Btm MD: 2395 (ft)	TOC Locate Method: Cmt Returns at Surf	
Cement:			
Not Ready to FN	Assembly Set Date: 09/17/2011	Total Slurry in Well: 668.7 (bbl)	
Static BHT: 90 (°F)	Hole Size: 7.875 (in)	Excess Slurry Volume: 353.1 (bbl)	
Returns: Full	Volume Lost: 0.0 (bbl)	Est Cmt Vol Returns to Surf: 197.0 (bbl)	

Pipe Movement - Reciprocating

Rotating		Reciprocating	
Rotating Start:	Init Rot. Torque: (ft-lbf)	Reciprocate Start:	Stroke Length:
Rotating End:	Avg Rot. Torq.:	Reciprocate End:	Drag Wt. Up:
Rotating RPM:	Max Rot. Torq.:	Reciprocate SPM:	Drag Wt. Down:

Stage 1 - Primary**12 - 2,403 ft**

CTU Used:	Top Plug Used: Y	Annular Flow: Y	Press. Prior to Bump: 580 (psi)
Circulate Prior: 1.00 (hr)	Bottom Plug Used:	Ann Press Held:	Bump Press.: 1010 (psi)
Circulate Flow Rate: 5.0 (gpm)	Bumped Plug: Y	Float Held: Y	Press. Over Pumping: 430 (psi)
Circulate Press: 250 (psi)	Plug Catcher Used:	Pill Spotted Below Plug:	Duration Press. Held: 5.0 (min)

FRESH WATER

Pumping Start: 05:00	Slurry Type: SPACER	Total Slurry Volume: 0.0 (bbl)	Slurry Top MD:
Pumping End:	Class: PREM PLUS	Excess Slurry Percent: 100.00 (%)	Slurry Btm MD:
Rate: 2.00 (bbl/min)	Density: 8.34 (ppg)	Excess Measured By: Fluid Caliper	Total Water Vol Used: 296.9 (bbl)
Foam Job:	Yield: 1.0000 (ft³/sk)	Mix Water Ratio: 1.000 (gal/sk94)	Actual Sacks Used: 0
		Mix Method: Tub/Hopper	

CEMENT

Pumping Start: 05:05	Slurry Type: CEMENT	Total Slurry Volume: 353.1 (bbl)	Slurry Top MD:
Pumping End:	Class: PREM PLUS	Excess Slurry Percent: 100.00 (%)	Slurry Btm MD:
Rate: 5.00 (bbl/min)	Density: 11.10 (ppg)	Excess Measured By:	Total Water Vol Used: 296.9 (bbl)
Foam Job:	Yield: 3.2500 (ft³/sk)	Mix Water Ratio: 20.440 (gal/sk94)	Actual Sacks Used: 610
		Mix Method:	

FRESH WATER

Pumping Start: 05:10	Slurry Type: DISPLACEMENT	Total Slurry Volume: 0.0 (bbl)	Slurry Top MD:
Pumping End:	Class: PREM PLUS	Excess Slurry Percent: 100.00 (%)	Slurry Btm MD:
Rate: 5.00 (bbl/min)	Density: 8.34 (ppg)	Excess Measured By: Fluid Caliper	Total Water Vol Used: 0.0 (bbl)
Foam Job:	Yield: 1.0000 (ft³/sk)	Mix Water Ratio: 1.000 (gal/sk94)	Actual Sacks Used: 0
		Mix Method:	

Remarks

VERY GOOD CASING & CEMENT JOB. CIRC. 341 SX TO SURFACE.

PRIMARY Cementing Report

Well: BRAVO DOME UNIT 2034 182K	Event Name: DEV DRILLING	Report Date: 9/14/2011
Project: BRAVO DOME	Prim. Reason: ORIG DRILL VERT	Report No.: 1
Site: BRAVO DOME C02 UNIT	Start Date: 9/13/2011	Wellbore: 00
Active Datum: Original KB @4,847.60ft (above Mean Sea Level)	End Date: 9/17/2011	

General Job Information

Contractor: HALLIBURTON	Cemented Assembly: SURFACE CASING	
WOC Time: 11.00 (hr)	Assembly Size: 8.625 (in)	Actual TOC MD: 12.00 (ft)
Foam: N	Assembly Btm MD: 795 (ft)	TOC Locate Method: Cmt Returns at Surf
Cement:		
Not Ready to FN	Assembly Set Date: 09/14/2011	Total Slurry in Well: 50.0 (bbl)
Static BHT: 90 (°F)	Hole Size: 12.250 (in)	Excess Slurry Volume: 30.3 (bbl)
Returns: Full	Volume Lost: 0.0 (bbl)	Est Cmt Vol Returns to Surf: 47.0 (bbl)

Pipe Movement - Reciprocating

Rotating		Reciprocating	
Rotating Start:	Init Rot. Torque: (ft-lbf)	Reciprocate Start:	Stroke Length:
Rotating End:	Avg Rot. Torq.:	Reciprocate End:	Drag Wt. Up:
Rotating RPM:	Max Rot. Torq.:	Reciprocate SPM:	Drag Wt. Down:

Stage 1 - Primary		12 - 784 ft	
CTU Used:	Top Plug Used: Y	Annular Flow: Y	Press. Prior to Bump: 250 (psi)
Circulate Prior: 1.00 (hr)	Bottom Plug Used:	Ann Press Held:	Bump Press.: 500 (psi)
Circulate Flow Rate: 400.0 (gpm)	Bumped Plug: Y	Float Held: Y	Press. Over Pumping: 250 (psi)
Circulate Press: 250 (psi)	Plug Catcher Used:	Pill Spotted Below Plug:	Duration Press. Held: 5.0 (min)

Pumping Start: 12:50	Slurry Type:	Total Slurry Volume:	Slurry Top MD:
Pumping End:	Class:	Excess Slurry Percent:	Slurry Btm MD:
Rate: 5.50 (bbl/min)	Density:	Excess Measured By:	Total Water Vol Used:
Foam Job:	Yield:	Mix Water Ratio:	Actual Sacks Used:
		Mix Method:	

Remarks

VERY GOOD CASING & CEMENT JOB, CIRC. 196 SX TO SURFACE