

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

Form C-103  
Revised August 1, 2011

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

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. <u>30-059-20536</u>
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <u>CO2</u>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator <u>Oxy USA Inc.</u>		6. State Oil & Gas Lease No.
3. Address of Operator <u>PO Box 4294, Houston TX 77210</u>		7. Lease Name or Unit Agreement Name <u>Bravo Dome 2034</u>
4. Well Location Unit Letter <u>F</u> : <u>1700</u> feet from the <u>North</u> line and <u>1700</u> feet from the <u>West</u> line Section <u>24</u> Township <u>20N</u> Range <u>34E</u> NMPM County <u>Union</u>		8. Well Number <u>242</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) <u>4745.0</u>		9. OGRID Number <u>16696</u>
		10. Pool name or Wildcat <u>Bravo Dome 640</u>

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input checked="" type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL. <input type="checkbox"/>	CASING/CEMENT JOB <input checked="" type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

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:

7/18/11

Rig Release Date:

7/21/11

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 3/20/12  
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 242F

Event Name: DEV DRILLING

Project: BRAVO DOME

Prim. Reason: ORIG DRILL VERT

Site: BRAVO DOME C02 UNIT

Start Date: 7/17/2011

End Date: 7/21/2011

Rig Name: TRINIDAD 208

#	Date	Time Start-End	Hrs	Op Details
1	07/17/2011	02:00 - 03:00	1.00	RIGGING DOWN
		03:00 - 00:00	21.00	CREW AND RM LEFT LOCATION FOR DAY OFF, AS RIG DOWN WAS COMPLETE AND WAITING ON TRUCKS. CREW LEFT AT 03:00 HRS  AT 08:00 HRS CALLED NMOCD AND NOTIFIED OF INTENTION TO SPUD.
2	07/18/2011	00:00 - 07:00	7.00	WAITING FOR RIG MOVERS, WAITING FOR DAY LIGHT, PREPARING FOR SPUD OF NEW WELL
		07:00 - 07:30	0.50	SAFETY MEETING WITH TRUCKING COMPANY, RAY'S SERVICE, & RIG CREW. REVIEWED JSA, EMPHASIZED TAG LINES, SPOTTERS, TAIL BOARDS
		07:30 - 14:00	6.50	MOVE RIG, DERRICK DOWN @ 08:30 HRS. RIG 100% OFF LOCATION AT 11:00 HRS, 100% ON NEW LOCATION 12:00 HRS, DERRICK STANDING AT 14:00 HRS. RAY'S, STALLION, MI, MUSSELWHITE AND PATE ALL PUNCTIAL AND EFFICIENT IN SPOTTING AND UNLOADING.  SAFETY BREAK: TRUCKING CO, RIG CREW, STALLION, PATE: COMMENDED ALL ON JOB WELL DONE. EMPHASIZED CONT DILIGENCE.  GOOD MOVE.
		14:00 - 16:30	2.50	FINISH R/U. BEGIN MIX SPUD MUD. TALLY BHA #1 & CASING. TRENCH DITCHES
		16:30 - 20:30	4.00	DRILL 12.25" SURFACE HOLE FROM GL TO 326' ROP = 81 FPH CIRC STEEL PITS, 75 RPM, 25K WOB, 435 GPM. 680 PSI PUMP PRES.  SAFETY BREAK: JSA MIXING CHEMICALS. JSA HANDLING BHA  DROP SOAP STICKS EVERY CONNECTION & PUMP SWEEP AND SWEEP STICK EVERY THIRD.
		20:30 - 00:00	3.50	DRILL 12.25" SURFACE HOLE FROM 326 TO 532' ROP = 60 FPH CIRC STEEL PITS, 75 RPM, 30K WOB, 435 GPM. 750 PSI PUMP PRES.  DROPPED WIRE LINE SURVEY @ 400' INC 0.75  SAFETY BREAK: JSA LAYING DOWN DRILL PIPE & COLLARS.  DROP SOAP STICKS EVERY CONNECTION & PUMP SWEEP AND SWEEP STICK EVERY THIRD.
3	07/19/2011	00:00 - 03:30	3.50	DRILL 12.25" SURFACE HOLE FROM 532' TO TD @ 760' CUT 228' ROP = 65 FPH  CIRC STEEL PITS, 75 RPM, 30K WOB, 435 GPM. 750 PSI PUMP PRES.  SAFETY BREAK: JSA LAYING DOWN DRILL PIPE & COLLARS.  DROP SOAP STICKS EVERY CONNECTION & PUMP SWEEP AND SWEEP STICK EVERY THIRD.
		03:30 - 04:00	0.50	PUMP HI VIS SWEEP, CIRC HOLE CLEAN, DROPPED TOTCO.
		04:00 - 07:00	3.00	TOH, L/D DRILL STRING. HOLE PULLED TIGHT AT VARYING DEPTHS ALL THE WAY. BACK REAM ALL THE WAY OUT.
		07:00 - 07:30	0.50	RU TO RUN 8 5/8" SURF CASING SAFETY BREAK: JSA RUNNING CASING, PARKING FOR FACILITATED EVACUATION, SAFETY HABITS
		07:30 - 09:30	2.00	RUN 8 5/8", J-55, LTC, 24# SURFACE CASING  SETTING DEPTH TEX PATTERN SHOE 746' SHOE JT 745' INSERT FLOAT 701.5' 17 JTS CASING 701' LANDING JT 9' CASING WENT TO BOTTOM WITH NO PROBLEMS SIMOP: HALLIBURTON SPOTTING & RU
		09:30 - 10:00	0.50	RU HALLIBURTON, CIRC HOLE. SAFETY MEETING: JSA CEMENTING, MEDICAL TRANSPORT, COMPLACENCY IN ROUTINE OPS
		10:00 - 11:30	1.50	CEMENT 8 5/8" CASING WITH 500 SX PREM PLUS, 2% CACL, .25 LBM POLY-E-FLAKE. FULL RETURNS THRU JOB, CIRC 229 SX (55 BBLs) CEMENT TO SURFACE. BUMPED PLUG AT 11:15 HRS.
		11:30 - 15:30	4.00	WAIT 4 HRS ON CEMENT, CLEAN RIG, CLEAN & GRADE BIT, STRAP & CALIPER BHA. BUILD SWEEP MUD.
		15:30 - 16:00	0.50	RD CEMENTING HEAD, LD LANDING JT. INSTALL WELL HEAD.
		16:00 - 18:00	2.00	RU BOP, HP VALVES ON WELL HEAD.

## Operation Summary Report

Well: BRAVO DOME UNIT 2034 242F  
 Project: BRAVO DOME  
 Site: BRAVO DOME C02 UNIT

Event Name: DEV DRILLING  
 Prim. Reason: ORIG DRILL VERT  
 Start Date: 7/17/2011  
 End Date: 7/21/2011

Rig Name: TRINIDAD 208

#	Date	Time Start-End	Hrs	Op Details
		18:00 - 18:30	0.50	MU TEST PLUG TO 5.5" CASING JT. TEST BOP TO 250 PSI LO, 1000 PSI HI GOOD TEST
		18:30 - 19:30	1.00	PU BHA #2, SAFETY BREAK: JSA TRIPPING PIPE, AND HANDLING TUBULARS.
		19:30 - 21:00	1.50	TRIP IN HOLE. TAGGED CEMENT AT 685'. DRILL OUT CEMENT TO FLOAT COLLAR
		21:00 - 22:30	1.50	TEST CASING TO 1000 PSI FOR 30 MINS. GOOD TEST SAFETY BREAK: JSA DRILLING, MAKING CONNECTIONS DRILL OUT CEMENT & FLOAT EQUIPMENT
		22:30 - 00:00	1.50	DRILL 7 7/8" PRODUCTION HOLE F 760' TO 872', CUT 112', 74' FPH 65 TO 70 RPM, 25K WOB, 340 GPM, 950 PUMP PRESS. CIRC RESERVE, PUMP HI VIS SWEEP EVERY 3RD JT OR AS NECESSARY. DROP SWEEP STICKS EVERY 3RD JT ON CONNECTIONS BEFORE SWEEPS. MW 8.7 PPG VIS 30
4	07/20/2011	00:00 - 04:00	4.00	DRILL 7 7/8" PRODUCTION HOLE F 872' TO 1274', CUT 402', AVG 100' FPH 75 RPM, 25K WOB, 345 GPM, 1000 PUMP PRESS.  CIRC PITS, PUMP HI VIS SWEEP EVERY 3RD JT OR AS NECESSARY. DROP SWEEP STICKS EVERY 3RD JT ON CONNECTIONS BEFORE SWEEPS. MW 8.7 PPG VIS 26  SAFETY BREAK: JSA MIXING CHEMICALS
		04:00 - 09:00	5.00	DRILL 7 7/8" PRODUCTION HOLE F 1274' TO 1514', CUT 240', AVG 48' FPH 75 RPM, 25K WOB, 345 GPM, 1000 PUMP PRESS.  CIRC PITS, PUMP HI VIS SWEEP EVERY 3RD JT OR AS NECESSARY. DROP SWEEP STICKS EVERY 3RD JT ON CONNECTIONS BEFORE SWEEPS. MW 8.8 PPG VIS 30 WIRE LINE SURVEY @ 1244 INC 1.75  SAFETY BREAK: JSA RUNNING WIRE LINE
		09:00 - 09:30	0.50	SERVICE RIG
		09:30 - 13:30	4.00	DRILL 7 7/8" PRODUCTION HOLE F 1514' TO 1750', CUT 236', AVG 59' FPH 75 RPM, 25K WOB, 345 GPM, 1000 PUMP PRESS.  CIRC PITS, WENT TO RESERVE AT 1600'. PUMP HI VIS SWEEP EVERY 3RD JT OR AS NECESSARY. DROP SWEEP STICKS EVERY 3RD JT ON CONNECTIONS BEFORE SWEEPS. MW 8.8 PPG VIS 30 SURVEY 2 DEG AT 1729'  SAFETY BREAK: COMMENDED CREW ATTITUDES & EFFORTS. IMPORTANCE OF CONTINUED DILIGENCE
		13:30 - 17:30	4.00	DRILL 7 7/8" PRODUCTION HOLE F 1750' TO 1971', CUT 221', AVG 55' FPH 75 RPM, 25K WOB, 345 GPM, 1100 PUMP PRESS.  WENT TO RESERVE AT 1600'. BACK IN STEEL AT 1800'. PUMP HI VIS SWEEP EVERY 3RD JT OR AS NECESSARY. DROP SWEEP STICKS EVERY 3RD JT ON CONNECTIONS BEFORE SWEEPS. MW 9.0 PPG VIS 33
		17:30 - 21:30	4.00	DRILL 7 7/8" PRODUCTION HOLE F 1971' TO 2187', CUT 216', AVG 54' FPH 75 RPM, 25K WOB, 345 GPM, 1100 PUMP PRESS.  WENT TO RESERVE AT 1600'. BACK IN STEEL AT 1800'. PUMP HI VIS SWEEP EVERY 3RD JT OR AS NECESSARY. DROP SWEEP STICKS EVERY 3RD JT ON CONNECTIONS BEFORE SWEEPS. MW 9.0 PPG VIS 32  SAFETY BREAK: JSA TRIPPING OUT OF THE HOLE

## Operation Summary Report

Well: BRAVO DOME UNIT 2034 242F

Event Name: DEV DRILLING

Project: BRAVO DOME

Prim. Reason: ORIG DRILL VERT

Site: BRAVO DOME C02 UNIT

Start Date: 7/17/2011

End Date: 7/21/2011

Rig Name: TRINIDAD 208

#	Date	Time Start-End	Hrs	Op Details
		21:30 - 00:00	2.50	DRILL 7 7/8" PRODUCTION HOLE F 2187' TO 2272', CUT 85', AVG 34' FPH 75 RPM, 25K WOB, 345 GPM, 1150 PUMP PRESS.  PUMP HI VIS SWEEP EVERY 3RD JT OR AS NECESSARY. DROP SWEEP STICKS EVERY 3RD JT ON CONNECTIONS BEFORE SWEEPS. MW 9.1 PPG VIS 33  SAFETY BREAK: JSA WORKING ON RIG EQUIPMENT CIMARRON TOP @ 2241 TUB TOP @ 2264
5	07/21/2011	00:00 - 03:00	3.00	DRILL 7 7/8" PRODUCTION HOLE F 2272' TO TD@ 2439', CUT 167', AVG 55' FPH 75 RPM, 25K WOB, 345 GPM, 1100 PUMP PRESS.  PUMP HI VIS SWEEP EVERY 3RD JT OR AS NECESSARY. DROP SWEEP STICKS EVERY 3RD JT ON CONNECTIONS BEFORE SWEEPS. MW 9.1 PPG VIS 33  SAFETY BREAK: JSA RUNNING CASING, WHILE CIRCULATING HOLE
		03:00 - 04:00	1.00	PUMP HI VIS SWEEP. CIRCULATE HOLE CLEAN FOR CASING RUN.
		04:00 - 07:00	3.00	TRIP OUT O HOLE, LAYING DOWN PIPE
		07:00 - 08:00	1.00	SAFETY MEETING: JSA RUNNING CASING RIG UP CRT
		08:00 - 10:30	2.50	RUN 5 1/2" PRODUCTION CASING TO 2434'  - GUIDE SHOE - 2434' - 10' SHOE JOINT - 2433' - INSERT FLOAT - 2422.7' - 58 JTS OF 5 1/2" 15.5# J-55 LTC FROM 2422' TO SURFACE
		10:30 - 11:30	1.00	CIRC & CONDITION HOLE, SIMOP) SAFETY MEETING & CEMENTING JSA BEGIN HALLIBURTON RIG UP
		11:30 - 12:30	1.00	PUMPED CEMENT JOB AS FOLLOWS 20 BBL FRESH WATER SPACER AT 5.5 BBL/MIN @ 150 PSI 350 SACKS OF PREMIUM W/2% CACL, LEAD CEMENT - 11.1 PPG - YIELD = 3.25 CUFT/SACK - .25 LBM POLY-E-FLAKE 150 SACKS OF PREMIUM W/2% CACL - 13.2 PPG - YIELD = 1.85 CUFT/SACK - .25 LBM POLY-E-FLAKE - DISPLACE WITH 58 BBLs OF FRESH WATER  BUMPED PLUG @ 12:30 HRS WITH 1058 PSI RETURNED 216 SACKS ( 125 BBL) TO SURFACE, FLOAT HELD
		12:30 - 15:30	3.00	R/D HALIBURTON BEGIN RD, CLEAN PITS, LOAD EXCESS CASING, LOAD MUD & CHEMICALS,  RELEASE RIG 15:30 HRS, 7/21/11

# OCCIDENTAL PERMIAN LTD

## Casing Report

Well: BRAVO DOME UNIT 2034 242F	Event Name: DEV DRILLING	Report Date: 7/21/2011
Project: BRAVO DOME	Prim. Reason: ORIG DRILL VERT	Report No.: 2
Site: BRAVO DOME C02 UNIT	Start Date: 7/17/2011	Wellbore: 00
Active Datum: Original KB @4,752.00ft (above Mean Sea Level)	End Date: 7/21/2011	

Assembly	Casing Flange	Status History
Assembly Name: PRODUCTION CASING Nom. Size: 5.500 (in) Top MD: 7.00 (ft) Landed MD: 2,436.95 (ft) Assembly Length: 2,429.95 (ft) Liner Overlap:	Manufacturer: CAMERON Model: CIW "F" Hanger Model: Packoff Model: Top Flange Size/Rating: 5.500 (in)/2000 (psi) Btm Flange Size/Rating:	7/21/2011 INSTALLED

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.
GUIDE SHOE	1	1.00	7	8.00	5.500	4.950	4.825	0.00		8RD				
SHOE JOINT	1	10.83	8	18.83	5.500	4.950	4.825	15.50	J-55, LT	8RD				NEW
INSERT FLOAT	1	0.25	19	19.08	5.500	4.950	4.825	0.00		8RD				
CASING JOINT(S)	58	2,417.87	19	2,436.95	5.500	4.950	4.825	15.50	J-55, LT	8RD				NEW

Jewelry						
Accessory Name	Manufacturer	Num.	Spacing (ft)	Interval		How Fixed
				Top MD (ft)	Btm MD (ft)	
CENTRALIZER	HALLIBURTON	18		50.00	2,430.00	FLOATING

Remarks

## OCCIDENTAL PERMIAN LTD.

## Casing Report

Well: BRAVO DOME UNIT 2034 242F	Event Name: DEV DRILLING	Report Date: 7/19/2011
Project: BRAVO DOME	Prim. Reason: ORIG DRILL VERT	Report No.: 1
Site: BRAVO DOME C02 UNIT	Start Date: 7/17/2011	Wellbore: 00
Active Datum: Original KB @4,752.00ft (above Mean Sea Level)	End Date: 7/21/2011	

Assembly			Casing Flange			Status History	
Assembly Name:	SURFACE CASING	Weight in Slips:	Manufacturer:	VETCO GRAY		7/19/2011	INSTALLED
Nom. Size:	8.625 (in)	Hours Circ:	Model:	VG CWCT			
Top MD:	7.00 (ft)	Fluid Lost:	Hanger Model:				
Landed MD:	748.65 (ft)	Vol Fluid Lost:	Packoff Model:				
Assembly Length:	741.65 (ft)		Top Flange Size/Rating:	8.625 (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
CASING JOINT(S)	17	696.89	7	703.89	8.625	8.097	7.972	24.00	J-55, LT	8RD				NEW
INSERT FLOAT	1	0.30	704	704.19	8.625	8.097	7.972	24.00	J-55, LT	8RD				NEW
SHOE JOINT	1	43.46	704	747.65	8.625	8.097	7.972	24.00	J-55, LT	8RD				NEW
TEXAS PATTERN SHOE	1	1.00	748	748.65	8.625	8.097	7.972	24.00	J-55, LT	8RD				NEW

Jewelry						
Accessory Name	Manufacturer	Num	Spacing (ft)	Interval		How Fixed
				Top MD (ft)	Btm MD (ft)	
CENTRALIZER	HALLIBURTON	6		60.00	737.00	COUPLING

Remarks

**PRIMARY Cementing Report**

Well: BRAVO DOME UNIT 2034 242F	Event Name: DEV DRILLING	Report Date: 7/19/2011
Project: BRAVO DOME	Prim. Reason: ORIG DRILL VERT	Report No.: 1
Site: BRAVO DOME C02 UNIT	Start Date: 7/17/2011	Wellbore: 00
Active Datum: Original KB @4,752.00ft (above Mean Sea Level)	End Date: 7/21/2011	

**General Job Information**

Contractor: HALLIBURTON	Cemented Assembly: SURFACE CASING	Actual TOC MD: 7.00 (ft)
WOC Time: 8.00 (hr)	Assembly Size: 8.625 (in)	TOC Locate Method: Cmt Returns at Surf
Foam: N	Assembly Btm MD: 749 (ft)	
Cement:		
Not Ready to FN	Assembly Set Date: 07/19/2011	Total Slurry in Well:
Static BHT:	Hole Size: 12.250 (in)	Excess Slurry Volume: 120.2 (bbl)
Returns: Full	Volume Lost: 0.0 (bbl)	Est Cmt Vol Returns to Surf: 55.0 (bbl)

**Pipe Movement - No Movement**

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 5 - 750 ft**

CTU Used:	Top Plug Used: Y	Annular Flow:	Press. Prior to Bump:
Circulate Prior:	Bottom Plug Used:	Ann Press Held: Y	Bump Press.:
Circulate Flow Rate:	Bumped Plug: Y	Float Held: Y	Press. Over Pumping:
Circulate Press:	Plug Catcher Used:	Pill Spotted Below Plug:	Duration Press. Held:

**FRESH WATER**

Pumping Start: 10:32	Slurry Type:	Total Slurry Volume: 0.0 (bbl)	Slurry Top MD:
Pumping End: 10:35	Class:	Excess Slurry Percent:	Slurry Btm MD:
Rate: 5.00 (bbl/min)	Density: 8.33 (ppg)	Excess Measured By:	Total Water Vol Used: 0.0 (bbl)
Foam Job:	Yield:	Mix Water Ratio:	Actual Sacks Used:
		Mix Method:	

**CEMENT**

Pumping Start: 10:36	Slurry Type:	Total Slurry Volume: 120.2 (bbl)	Slurry Top MD:
Pumping End: 10:59	Class: PREM PLUS	Excess Slurry Percent: 100.00 (%)	Slurry Btm MD:
Rate: 5.50 (bbl/min)	Density: 14.80 (ppg)	Excess Measured By:	Total Water Vol Used: 75.6 (bbl)
Foam Job:	Yield: 1.3500 (ft <sup>3</sup> /sk)	Mix Water Ratio: 6.350 (gal/sk94)	Actual Sacks Used: 500
		Mix Method:	

Additive Name	Additive Type	Additive Conc.	Additive Amount
CALC2	ACCELERATOR	2.000 % BWOC	19.00 Sacks
POL-E FLAKES	CIRCULATION LOSSES	0.250 lbs/sk	125.00 lbs

**FRESH WATER**

Pumping Start: 11:00	Slurry Type:	Total Slurry Volume: 0.0 (bbl)	Slurry Top MD:
Pumping End: 11:15	Class:	Excess Slurry Percent:	Slurry Btm MD:
Rate: 5.50 (bbl/min)	Density: 8.33 (ppg)	Excess Measured By:	Total Water Vol Used: 0.0 (bbl)
Foam Job:	Yield:	Mix Water Ratio:	Actual Sacks Used:
		Mix Method:	

**PRIMARY Cementing Report**

Well: BRAVO DOME UNIT 2034 242F	Event Name: DEV DRILLING	Report Date: 7/21/2011
Project: BRAVO DOME	Prim. Reason: ORIG DRILL VERT	Report No.: 2
Site: BRAVO DOME C02 UNIT	Start Date: 7/17/2011	Wellbore: 00
Active Datum: Original KB @4,752.00ft (above Mean Sea Level)	End Date: 7/21/2011	

**General Job Information**

Contractor: HALLIBURTON	Cemented Assembly: PRODUCTION CASING	Actual TOC MD: 7.00 (ft)
WOC Time:	Assembly Size: 5.500 (in)	TOC Locate Method: Cmt Returns at Surf
Foam: N	Assembly Btm MD: 2437 (ft)	
Cement:		
Not Ready to FN	Assembly Set Date: 07/21/2011	Total Slurry in Well:
Static BHT:	Hole Size: 7.875 (in)	Excess Slurry Volume: 252.0 (bbl)
Returns: Full	Volume Lost: 0.0 (bbl)	Est Cmt Vol Returns to Surf: 125.0 (bbl)

**Pipe Movement - No Movement**

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 7 - 2,439 ft**

CTU Used:	Top Plug Used:	Annular Flow:	Press. Prior to Bump:
Circulate Prior:	Bottom Plug Used:	Ann Press Held:	Bump Press.:
Circulate Flow Rate:	Bumped Plug:	Float Held:	Press. Over Pumping:
Circulate Press:	Plug Catcher Used:	Pill Spotted Below Plug:	Duration Press. Held:

**FRESH WATER**

Pumping Start: 11:24	Slurry Type: SPACER	Total Slurry Volume: 0.0 (bbl)	Slurry Top MD:
Pumping End: 11:26	Class:	Excess Slurry Percent:	Slurry Btm MD:
Rate: 5.50 (bbl/min)	Density: 8.33 (ppg)	Excess Measured By:	Total Water Vol Used: 0.0 (bbl)
Foam Job:	Yield:	Mix Water Ratio:	Actual Sacks Used:
		Mix Method:	

**CEMENT**

Pumping Start: 11:27	Slurry Type: CEMENT	Total Slurry Volume: 202.6 (bbl)	Slurry Top MD:
Pumping End: 11:59	Class: PREM PLUS	Excess Slurry Percent: 100.00 (%)	Slurry Btm MD:
Rate: 6.50 (bbl/min)	Density: 11.10 (ppg)	Excess Measured By:	Total Water Vol Used: 170.3 (bbl)
Foam Job:	Yield: 3.2500 (ft <sup>3</sup> /sk)	Mix Water Ratio: 20.440 (gal/sk94)	Actual Sacks Used: 350
		Mix Method:	
<u>Additive Name</u>	<u>Additive Type</u>	<u>Additive Conc.</u>	<u>Additive Amount</u>
CALC2	ACCELERATOR	2.000 % BWOC	14.00 Sacks
POL-E FLAKES	CIRCULATION LOSSES	0.250 lbs/sk	88.00 lbs

**CEMENT**

Pumping Start: 12:00	Slurry Type: CEMENT	Total Slurry Volume: 49.4 (bbl)	Slurry Top MD:
Pumping End: 12:13	Class: PREM PLUS	Excess Slurry Percent: 100.00 (%)	Slurry Btm MD:
Rate: 6.50 (bbl/min)	Density: 13.20 (ppg)	Excess Measured By:	Total Water Vol Used: 35.5 (bbl)
Foam Job:	Yield: 1.8500 (ft <sup>3</sup> /sk)	Mix Water Ratio: 9.950 (gal/sk94)	Actual Sacks Used: 150
		Mix Method:	
<u>Additive Name</u>	<u>Additive Type</u>	<u>Additive Conc.</u>	<u>Additive Amount</u>
CALC2	ACCELERATOR	2.000 % BWOC	14.00 Sacks
POL-E FLAKES	CIRCULATION LOSSES	0.250 lbs/sk	88.00 lbs

**FRESH WATER**

Pumping Start: 12:14	Slurry Type: DISPLACEMENT	Total Slurry Volume: 0.0 (bbl)	Slurry Top MD:
Pumping End: 12:25	Class:	Excess Slurry Percent:	Slurry Btm MD:
Rate: 8.00 (bbl/min)	Density: 8.33 (ppg)	Excess Measured By:	Total Water Vol Used: 0.0 (bbl)
Foam Job:	Yield:	Mix Water Ratio:	Actual Sacks Used:
		Mix Method:	