

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

WELL API NO. 30-059-20537
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Bravo Dome 2034
8. Well Number 122
9. OGRID Number 16696
10. Pool name or Wildcat Bravo Dome 640

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.)

1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other CO₂
2. Name of Operator Oxy USA Inc.
3. Address of Operator PO Box 4294, Houston TX 77210
4. Well Location Unit Letter F : 1700 feet from the North line and 1700 feet from the west line Section 12 Township 20N Range 34E NMPM County UNION
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4728.1

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☒ P AND A ☐
CASING/CEMENT JOB ☒

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:

7/27/11

Rig Release Date:

7/30/11

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 122F

Event Name: DEV DRILLING

Project: BRAVO DOME

Prim. Reason: ORIG DRILL VERT

Site: BRAVO DOME C02 UNIT

Sec. Reason:

Dates of Event: 07/27/2011 - 07/30/2011

Rig Name: TRINIDAD 208

#	Date	Time Start-End	Hrs	Op Code	Op Sub	Op Type	Op Details
1	07/27/2011	00:30 - 07:00	6.50	WAIT	SDN	PT	WAIT ON TRUCKS
		07:00 - 07:30	0.50	SAFE	PJSM	P	SAFETY MEETING: RIG CREW, TRINIDAD TRUCKING. DOUBLE T, RAY'S, STALLION, DOUBLE H, RM, NIGHT DSM, DAY DSM TAG LINES, TAILBOARDS, SPOTTERS, HONKING, COMMUNICATIONS (ESPECIALLY WITH FORK LIFT). STEADY PACE, NO HURRYING
		07:30 - 12:00	4.50	LOCM OV	MOVE	P	RIG 100% ON LOCATION 11:30 HOURS. RIG SPOTTED 11:45 HOURS. RU OXY OFFICE, RU BACK YARD, INSPECT BHA, GENERAL RU, MAINT & HOUSEKEEPING
		12:00 - 16:30	4.50	LOCM OV	RU	P	DERRICK STANDING 12:00 HOURS. LAST TRUCK LEFT 13:15 HRS. MIX SPUD MUD, STRAP & CALIPER BHA, MU DC & BIT, REWORK 10" PVC CLEAN OUT LINES ON PITS (CELLAR TO FAR FROM RESERVE). PERFORM PRE SPUD INSPECTION AND ACCEPTED RIG ON DAY RATE @ 14:00 HOURS SAFETY BREAK: JSA PU BHA, MAINTENANCE ON FINGERS, TOES, EYES & EARS.
		16:30 - 18:00	1.50	DRILL	ROTVR	P	SPUDDED 12 1/4" HOLE @ 16:30 DRILLED 12 1/4" HOLE FROM 0' TO 170'; ROP = 113' FPH DROP SOAP STICK EVERY CONNECTION AND 1 SWEEP STICK EVERY THIRD CONNECTION CIRCULATE THROUGH STEEL PITS WOB = 56 KLBS ROTARY = 135 RPM PUMP RATE = 353 GPM (60 SPM) PUMP PRESSURE = 720 PSI
		18:00 - 22:00	4.00	DRILL	ROTVR	P	DRILLED 12 1/4" HOLE FROM 170' TO 463'; ROP = 74' FPH DROP SOAP STICK EVERY CONNECTION AND 1 SWEEP STICK EVERY THIRD CONNECTION CIRCULATE THROUGH STEEL PITS SAFETY BREAK: JSA MAKING CONNECTIONS, MIXING CHEMICALS SURVEY @ 400' INC 0.75 WOB = 56 KLBS ROTARY = 135 RPM PUMP RATE = 353 GPM (60 SPM) PUMP PRESSURE = 720 PSI MW = 8.9 VIS = 44
		22:00 - 00:00	2.00	DRILL	ROTVR	P	DRILLED 12 1/4" HOLE FROM 463' TO 558'; ROP = 48' FPH DROP SOAP STICK EVERY CONNECTION AND 1 SWEEP STICK EVERY THIRD CONNECTION CIRCULATE THROUGH STEEL PITS WOB = 56 KLBS ROTARY = 135 RPM PUMP RATE = 353 GPM (60 SPM) PUMP PRESSURE = 850 PSI MW = 8.9 VIS = 43

Operation Summary Report

Well: BRAVO DOME UNIT 2034 122F

Event Name: DEV DRILLING

Project: BRAVO DOME

Prim. Reason: ORIG DRILL VERT

Site: BRAVO DOME C02 UNIT

Sec. Reason:

Dates of Event: 07/27/2011 - 07/30/2011

Rig Name: TRINIDAD 208

#	Date	Time Start-End	Hrs	Op Code	Op Sub	Op Type	Op Details
2	07/28/2011	00:00 - 03:30	3.50	DRILL	ROTVR	P	DRILLED 12 1/4" HOLE FROM 558' TO 775' ; ROP = 62' FPH DROP SOAP STICK EVERY CONNECTION AND 1 SWEEP STICK EVERY THIRD CONNECTION CIRCULATE THROUGH STEEL PITS SAFETY BREAK: JSA TRIPPING PIPE, MAKING CONNECTIONS WOB = 56 KLBS ROTARY = 135 RPM PUMP RATE = 353 GPM (60 SPM) MW = 9.3 PUMP PRESSURE = 1000 PSI VIS =
		03:30 - 04:00	0.50	CIRC	CNDHOL	P	CIRCULATE CONDITION HOLE FOR CASING RUN
		04:30 - 07:00	2.50	TRIP	DRILL	P	DROP TOTCO TRIP OUT THE HOLE TO RUN SURFACE CASING
		07:00 - 11:30	4.50	CSG	RUNCSG	P	PJSM - RIG UP & RUN 18 JTS. 8 5/8", 24#, J-55, ST & C, SURFACE CASING: NOTE: HAD A HARD TIME MAKING UP CONNECTIONS DUE TO THE RIG NOT BEING LEVEL. 1 - 8 5/8" TEXAS PATTERN SHOE - .50' 1 - SHOE JOINT 1 - INSERT FLOAT
		11:30 - 12:00	0.50	CIRC	CNDHOL	P	RIG UP CEMENTING HEAD, CIRCULATE CASING AND HOLD PJSM WITH RIG AND CEMENT CREW
		12:00 - 13:00	1.00	CMT	PRIM	P	PUMP A 20 BBL FRESH WATER SPACER - PUMP RATE = 5 BBL/MIN PUMPED 120.2 BBLs (500 SACKS) OF 14.8 PPG PREMIUM PLUS CEMENT - 2% CaCl ₂ - 0.25 lbm/sk Poly-E-Flake - YIELD: 1.35 CUFT/SACK - PUMP RATE = 6 BBL/MIN - PRESSURE = 140 PSI DISPLACED WITH 45.3 BBLs OF FRESH WATER - PUMP RATE = 5.5 BBL/MIN - PRESSURE = 275 PSI - FINAL @ 2BPM = 275 PSI BUMPED PLUG @ 13:00 AND PRESSURED UP TO 550 PSI HELD FOR 5 MIN. GOT BACK .5 BBL TO TRUCK FLOATS HELD. FULL RETURNS THROUGHOUT JOB GOT BACK 55 BBL (229 SKS) TO SURFACE.
		13:00 - 17:00	4.00	CMT	WOC	P	WOC, JET CELLAR, CLEAN PITS, SERVICE RIG AND SWIVEL, CUT AND SLIP DRILL LINE 17:00 HOUR SAFETY BREAK: DISCUSSED NIPPLE UP PROCESS AND THE DANGERS INVOLVED.
		17:00 - 21:00	4.00	CMT	WOC	P	MUD UP PREMIX FOR VISCOUS SWEEPS AFTER DRILLING OUR FLOAT COLLAR, BACK OUT LANDING JT AND NIPPLE UP BOP.
		21:00 - 23:30	2.50	BOP	TSTBOP	P	FINISH NIPPLE UP BOP, MU TEST PLUG TO 5.5" CASING JT. TEST BOP TO 250 PSI LO, 1000 PSI HI. GOOD TEST. TIH W/7.875 BHA TO TOC.
		23:30 - 00:00	0.50	DRLO UT	DOCMT	P	TAGGED CEMENT AT 720'. DRILL OUT CEMENT TO FLOAT COLLAR. TEST CASING TO 1000 PSI FOR 30 MINS. GOOD TEST
3	07/29/2011	00:00 - 01:00	1.00	DRLO UT	DOCMT	P	DRILL OUT CMT AND PLUG
		01:00 - 04:00	3.00	DRILL	ROTVR	P	DRILL 7 7/8" PRODUCTION HOLE F 775' TO 975' AVG 67' FPH 75 RPM, 20-25K WOB, 340 GPM, 995 PUMP PRESS. CIRC OUTER 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

Operation Summary Report

Well: BRAVO DOME UNIT 2034 122F

Event Name: DEV DRILLING

Project: BRAVO DOME

Prim. Reason: ORIG DRILL VERT

Site: BRAVO DOME C02 UNIT

Sec. Reason:

Dates of Event: 07/27/2011 - 07/30/2011

Rig Name: TRINIDAD 208

#	Date	Time Start-End	Hrs	Op Code	Op Sub	Op Type	Op Details
		04:00 - 06:00	2.00	DRILL	ROTVR	P	DRILL 7 7/8" PRODUCTION HOLE F 975' TO 1125' AVG 75' FPH 75 RPM, 20-25K WOB, 340 GPM, 995 PUMP PRESS. CIRC OUTER 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
		06:00 - 10:00	4.00	DRILL	ROTVR	P	DRILL 7 7/8" PRODUCTION HOLE F 1125' TO 1367' AVG 61' FPH 75 RPM, 20-25K WOB, 340 GPM, 995 PUMP PRESS. CIRC STEELE 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 SURVEY @ 1275' .25° SAFETY BREAK: DISCUSSED MIXING MUD AND CHMICALS
		10:00 - 14:00	4.00	DRILL	ROTVR	P	DRILL 7 7/8" PRODUCTION HOLE F 1367' TO 1580' AVG 53' FPH 75 RPM, 20-25K WOB, 340 GPM, 995 PUMP PRESS. CIRC OUTER 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
		14:00 - 18:00	4.00	DRILL	ROTVR	P	DRILL 7 7/8" PRODUCTION HOLE F 1580' TO 1721' AVG 35' FPH 80 RPM, 35-40K WOB, 340 GPM, 800 PUMP PRESS. CIRC OUTER 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
		18:00 - 22:00	4.00	DRILL	ROTVR	P	DRILL 7 7/8" PRODUCTION HOLE F 1721' TO 1960' AVG 60' FPH 80 RPM, 35-40K WOB, 340 GPM, 800 PUMP PRESS. CIRC OUTER RESERVE, PUMP HI VIS SWEEP EVERY 3RD JT OR AS NECESSARY. DROP SWEEP STICKS EVERY 3RD JT ON CONNECTIONS BEFORE SWEEPS. MW 8.9 PPG, 38 VIS BEGAN CIRCULATING STEEL PITS @ 1800'
		22:00 - 00:00	2.00	DRILL	ROTVR	P	DRILL 7 7/8" PRODUCTION HOLE F 1960' TO 2076' AVG 58' FPH 80 RPM, 35-40K WOB, 340 GPM, 1080 PUMP PRESS. CIRC STEEL PITS, PUMP HI VIS SWEEP EVERY 3RD JT OR AS NECESSARY. DROP SWEEP STICKS EVERY 3RD JT ON CONNECTIONS BEFORE SWEEPS. MW 9.1 PPG, 37 VIS
4	07/30/2011	00:00 - 04:00	4.00	DRILL	ROTVR	P	DRILL 7 7/8" PRODUCTION HOLE F 2076' TO 2260' AVG 46' FPH 80 RPM, 35-40K WOB, 340 GPM, 1080 PUMP PRESS. CIRC STEEL PITS, PUMP HI VIS SWEEP EVERY 3RD JT OR AS NECESSARY. DROP SWEEP STICKS EVERY 3RD JT ON CONNECTIONS BEFORE SWEEPS. MW 9.1 PPG, 37 VIS HAVING TROUBLE IDENTIFYING THE CIMARRON. DECISION WAS MADE TO DRILL TO ORIGINAL PROJECTED TD OF 2370' AND RUN OH LOGS. CONTACTED RENEGADE WIRELINE; ETA 1030.

Operation Summary Report

Well: BRAVO DOME UNIT 2034 122F

Event Name: DEV DRILLING

Project: BRAVO DOME

Prim. Reason: ORIG DRILL VERT

Site: BRAVO DOME C02 UNIT

Sec. Reason:

Dates of Event: 07/27/2011 - 07/30/2011

Rig Name: TRINIDAD 208

#	Date	Time Start-End	Hrs	Op Code	Op Sub	Op Type	Op Details
		04:00 - 07:00	3.00	DRILL	ROTVR	P	DRILL 7 7/8" PRODUCTION HOLE F 2260' TO 2370' AVG 37' FPH 80 RPM, 35-40K WOB, 340 GPM, 1150 PUMP PRESS. CIRC STEEL PITS, PUMP HI VIS SWEEP EVERY 3RD JT OR AS NECESSARY. DROP SWEEP STICKS EVERY 3RD JT ON CONNECTIONS BEFORE SWEEPS. MW 9.1 PPG, 37 VIS POSSIBLY IDENTIFIED THE CIMARRON TOP @ 2300 TO 2319; 84' DEEPER THAN PROJECTED. ROP DROPPED SIGNIFICANTLY AS NORMALLY IDENTIFIED.
		07:00 - 08:30	1.50	CIRC	CNDHOL	P	CIRCULATE AND CONDITION HOLE TO TRIP OUT OF THE HOLE AND RUN LOGS. NOTE: SPOKE TO SUPERINTENDENT AND DECISION WAS MADE TO DRILL 135' PAST CIMARRON + 40 TO 2494'
		08:30 - 10:30	2.00	DRILL	ROTVR	P	DRILL 7 7/8" PRODUCTION HOLE F 2370' TO TD @2494' AVG 62' FPH 80 RPM, 35-40K WOB, 340 GPM, 1150 PUMP PRESS. CIRC STEEL PITS, PUMP HI VIS SWEEP EVERY 3RD JT OR AS NECESSARY. DROP SWEEP STICKS EVERY 3RD JT ON CONNECTIONS BEFORE SWEEPS. MW 9.1 PPG, 37 VIS
		10:30 - 11:00	0.50	CIRC	CNDHOL	P	CIRCULATE AND CONDITION HOLE TO TRIP OUT OF THE HOLE AND RUN LOGS. SAFETY BREAK: DISCUSSED TRIPPING OUT OF THE HOLE.
		11:00 - 12:30	1.50	TRIP	DRILL	P	DROP TOTCO AND TRIP OUT OF THE HOLE TO RUN LOGS FROM 2494' TO SURFACE.
		12:30 - 13:30	1.00	LOG	OHLOG	P	PJSM WITH RENEGADE LOGGERS AND RIG CREW, RIG UP WIRELINE TRUCK AND LOG WELL. LOGS TD WAS AT 2481' AND IDENTIFIED CIMARRON FROM 2290' TO 2312'
		13:30 - 14:00	0.50	LOG	RIGUP	P	RIG DOWN RENEGADE LOGGERS
		14:00 - 17:00	3.00	CSG	RUNCSG	P	PJSM WITH RIG CREW, RIG UP AND RUN 63 JOINTS OF 5.5" 15.5# J-55 CASING AS FOLLOWS. 1- GUIDE SHOE 1- 10' SHOE JOINT 1- INSERT FLOAT 63- JOINT 5.5" 15.5# J-55
		17:00 - 17:30	0.50	CIRC	CNDHOL	P	FINISH RIGGING DOWN CRT, INSTALL 2" LINES AND R/U CMT HEAD AND MANIFOLD. CIRCULATE 2XBOTTOMS UP

Operation Summary Report

Well: BRAVO DOME UNIT 2034 122F

Event Name: DEV DRILLING

Project: BRAVO DOME

Prim. Reason: ORIG DRILL VERT

Site: BRAVO DOME C02 UNIT

Sec. Reason:

Dates of Event: 07/27/2011 - 07/30/2011

Rig Name: TRINIDAD 208

#	Date	Time Start-End	Hrs	Op Code	Op Sub	Op Type	Op Details
		17:30 - 20:00	2.50	CMT	PRIM	P	<p>PUMPED CEMENT JOB AS FOLLOWS:</p> <ul style="list-style-type: none"> - 20 BBL FRESH WATER SPACER AT 5 BBL/MIN AND 175 PSI - 202.5 BBL (350SKS) OF PREMIUM PLUS MIDCON 2 W/2% CC, LEAD CEMENT <ul style="list-style-type: none"> - 11.1 PPG - YIELD = 3.25 CUFT/SACK - .25 LBM POLY-E-FLAKE - PUMP RATE = 5.5 BBL/MIN - PUMP PRESSURE = 220 PSI - 49.4 BBL (150SKS) OF PREMIUM PLUS MIDCON W/2% CC <ul style="list-style-type: none"> - 13.2 PPG - YIELD = 1.85 CUFT/SACK - .25 LBM POLY-E-FLAKE - PUMP RATE = 5.5 BBL/MIN - PUMP PRESSURE = 100 PSI - DISPLACE WITH 58.4 BBLS OF FRESH WATER <p>BUMPED PLUG @ 18:53 HRS WITH 919 PSI RETURNED 0.5 BBL TO TRUCK RETURNED 242 SACKS (140 BBL) TO SURFACE, FLOAT HELD</p>
		20:00 - 22:00	2.00	BOP	RDBOP	P	<p>BACKED OUT LANDING JOINT</p> <p>NIPPLE DOWN BOP, AND JET PITS.</p> <p>RELEASE RIG TO THE BDU 2033-112K @ 22:00 HOURS</p> <p>SAFETY MEETING: CONFINED SPACES AND BODY PLACEMENT</p>

OXY USA INC

Casing Report

Well: BRAVO DOME UNIT 2034 122F	Event Name: DEV DRILLING	Report Date: 7/28/2011
Project: BRAVO DOME	Prim. Reason: ORIG DRILL VERT	Report No.: 1
Site: BRAVO DOME C02 UNIT	Start Date: 7/27/2011	Wellbore: 00
Active Datum: Original KB @4,735.10ft (above Mean Sea Level)	End Date: 7/30/2011	

Assembly			Casing Flange		Status History	
Assembly Name: SURFACE CASING	Weight in Slips:		Manufacturer: VETCO GRAY		7/28/2011	INSTALLED
Nom. Size: 8.625 (in)	Hours Circ:		Model: VG CWCT			
Top MD: 7.00 (ft)	Fluid Lost:		Hanger Model:			
Landed MD: 749.20 (ft)	Vol Fluid Lost:		Packoff Model:			
Assembly Length: 742.20 (ft)			Top Flange Size/Rating: 9.000 (in)/3000 (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	701.28	7	708.28	8.625	8.097	7.972	24.00	J-55, LT	8RD				NEW
INSERT FLOAT	1	0.00	708	708.28	8.625	8.097	7.972	24.00	J-55, LT	8RD				NEW
SHOE JOINT	1	39.92	708	748.20	8.625	8.097	7.972	24.00	J-55, LT	8RD				NEW
TEXAS PATTERN SHOE	1	1.00	748	749.20	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)	
STANDARD BOW SPRING	WEATHERFORD	5	120.00	215.00	750.00	CLAMPED

Remarks

OXY USA INC

Casing Report

Well: BRAVO DOME UNIT 2034 122F	Event Name: DEV DRILLING	Report Date: 7/30/2011
Project: BRAVO DOME	Prim. Reason: ORIG DRILL VERT	Report No.: 2
Site: BRAVO DOME C02 UNIT	Start Date: 7/27/2011	Wellbore: 00
Active Datum: Original KB @4,735.10ft (above Mean Sea Level)	End Date: 7/30/2011	

Assembly	Casing Flange	Status History
Assembly Name: PRODUCTION CASING Nom. Size: 5.500 (in) Top MD: 7.00 (ft) Landed MD: 3,209.50 (ft) Assembly Length: 2,467.33 (ft) Liner Overlap:	Manufacturer: VETCO GRAY Model: VG CWCT Hanger Model: Packoff Model: Top Flange Size/Rating: 11.000 (in)/3000 (psi) Btm Flange Size/Rating:	7/30/2011 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
CASING JOINT(S)	59	2,456.33	7	2,463.33	5.500	4.950	4.825	15.50	J-55	LTC	LONE STAR STEEL			
INSERT-FLOAT	1	0.00	2463	2,463.33	0.000	0.000	0.000	0.00						
SHOE JOINT	1	10.00	2463	2,473.33	5.500	4.950	4.825	15.50	J-55	LTC				
GUIDE SHOE	1	1.00	2473	2,474.33	0.000	0.000	0.000	0.00						

Jewelry						
Accessory Name	Manufacturer	Num	Spacing (ft)	Interval		How Fixed
CENTRALIZER - RIGID BOW		1		Top MD (ft)	Btm MD (ft)	
CENTRALIZER - RIGID BOW		3	40.00	2,470.00	2,472.00	CLAMPED
CENTRALIZER - RIGID BOW		4	160.00	2,365.00	2,453.00	CLAMPED
				450.00	2,328.00	CLAMPED

Remarks

PRIMARY Cementing Report

Well: BRAVO DOME UNIT 2034 122F	Event Name: DEV DRILLING	Report Date: 7/30/2011
Project: BRAVO DOME	Prim. Reason: ORIG DRILL VERT	Report No.: 2
Site: BRAVO DOME C02 UNIT	Start Date: 7/27/2011	Wellbore: 00
Active Datum: Original KB @4,735.10ft (above Mean Sea Level)	End Date: 7/30/2011	

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: 3210 (ft)	
Cement:	Assembly Set Date: 07/30/2011	Total Slurry in Well:
Not Ready to FN	Hole Size: 7.875 (in)	Excess Slurry Volume: 1,008.1 (bbl)
Static BHT:	Volume Lost:	Est Cmt Vol Returns to Surf: 140.0 (bbl)
Returns: Full		

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 - 2,474 ft

CTU Used:	Top Plug Used: Y	Annular Flow:	Press. Prior to Bump:
Circulate Prior:	Bottom Plug Used:	Ann Press Held:	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: 17:46	Slurry Type: SPACER	Total Slurry Volume: 0.0 (bbl)	Slurry Top MD:
Pumping End:	Class:	Excess Slurry Percent:	Slurry Btm MD:
Rate: 5.50 (bbl/min)	Density: 8.30 (ppg)	Excess Measured By:	Total Water Vol Used: 0.0 (bbl)
Foam Job:	Yield:	Mix Water Ratio:	Actual Sacks Used:
		Mix Method:	

LEAD CEMENT

Pumping Start: 17:49	Slurry Type: CEMENT	Total Slurry Volume: 202.6 (bbl)	Slurry Top MD:
Pumping End:	Class: PREM PLUS	Excess Slurry Percent: 400.00 (%)	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 ³ /sk)	Mix Water Ratio: 20.440 (gal/sk94)	Actual Sacks Used: 350
		Mix Method:	

TAIL CEMENT

Pumping Start: 18:22	Slurry Type: CEMENT	Total Slurry Volume: 49.4 (bbl)	Slurry Top MD:
Pumping End:	Class: PREM PLUS	Excess Slurry Percent: 400.00 (%)	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 ³ /sk)	Mix Water Ratio: 9.950 (gal/sk94)	Actual Sacks Used: 150
		Mix Method:	

FRESH WATER

Pumping Start: 18:37	Slurry Type: DISPLACEMENT	Total Slurry Volume: 0.0 (bbl)	Slurry Top MD:
Pumping End:	Class:	Excess Slurry Percent:	Slurry Btm MD:
Rate: 6.00 (bbl/min)	Density: 8.30 (ppg)	Excess Measured By:	Total Water Vol Used: 0.0 (bbl)
Foam Job:	Yield:	Mix Water Ratio:	Actual Sacks Used:
		Mix Method:	

Remarks

JOB WENT VERY WELL

PRIMARY Cementing Report

Well: BRAVO DOME UNIT 2034 122F	Event Name: DEV DRILLING	Report Date: 7/28/2011
Project: BRAVO DOME	Prim. Reason: ORIG DRILL VERT	Report No.: 1
Site: BRAVO DOME C02 UNIT	Start Date: 7/27/2011	Wellbore: 00
Active Datum: Original KB @4,735.10ft (above Mean Sea Level)	End Date: 7/30/2011	

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: 07/28/2011	Total Slurry in Well:
Static BHT:	Hole Size: 12.250 (in)	Excess Slurry Volume: 120.2 (bbl)
Returns: Full	Volume Lost:	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

7 - 749 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: 12:09	Slurry Type:	Total Slurry Volume:	Slurry Top MD:
Pumping End: 12:12	Class:	Excess Slurry Percent:	Slurry Btm MD:
Rate: 5.00 (bbl/min)	Density: 8.33 (ppg)	Excess Measured By:	Total Water Vol Used:
Foam Job:	Yield:	Mix Water Ratio:	Actual Sacks Used:
		Mix Method:	

CEMENT

Pumping Start: 12:13	Slurry Type:	Total Slurry Volume: 120.2 (bbl)	Slurry Top MD:
Pumping End: 12:37	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 ³ /sk)	Mix Water Ratio: 6.350 (gal/sk94)	Actual Sacks Used: 500
		Mix Method:	
<u>Additive Name</u>	<u>Additive Type</u>	<u>Additive Conc.</u>	<u>Additive Amount</u>
CALC2	ACCELERATOR	2.000 % BWOC	19.00 Sacks
POL-E FLAKES	CIRCULATION LOSSES	0.250 lbs/sk	125.00 lbs

FRESH WATER

Pumping Start: 12:39	Slurry Type:	Total Slurry Volume:	Slurry Top MD:
Pumping End: 12:52	Class:	Excess Slurry Percent:	Slurry Btm MD:
Rate: 5.50 (bbl/min)	Density: 8.33 (ppg)	Excess Measured By:	Total Water Vol Used:
Foam Job:	Yield:	Mix Water Ratio:	Actual Sacks Used:
		Mix Method:	