

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. <b>30-021-20526</b>
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <b>CO2</b>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator <b>Oxy USA Inc.</b>		6. State Oil & Gas Lease No.
3. Address of Operator <b>PO Box 4294, Houston TX 77210</b>		7. Lease Name or Unit Agreement Name <b>Bravo Dome 2033</b>
4. Well Location Unit Letter <b>K</b> : <b>1700</b> feet from the <b>South</b> line and <b>1700</b> feet from the <b>West</b> line Section <b>11</b> Township <b>20N</b> Range <b>33E</b> NMPM County <b>Harding</b>		8. Well Number <b>112</b>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) <b>4973.2</b>		9. OGRID Number <b>16696</b>
		10. Pool name or Wildcat <b>Bravo Dome 640</b>

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:

**8/1/11**

Rig Release Date:

**8/5/11**

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 2033 112K

Event Name: DEV DRILLING

Project: BRAVO DOME

Prim. Reason: ORIG DRILL VERT

Site: BRAVO DOME C02 UNIT

Start Date: 7/30/2011

End Date: 8/5/2011

Rig Name: TRINIDAD 208

#	Date	Time Start-End	Hrs	Op Details
1	07/30/2011	22:00 - 00:00	2.00	WAIT ON TRUCKS FOR RIG MOVE. RIG PICKUP AT 2200
2	07/31/2011	00:00 - 12:00	12.00	CURRENTLY WAITING ON TRUCKS FOR RIG MOVE. REPAIR RIG, CHANGE HYDRAULIC TONG VALVE
		12:00 - 00:00	12.00	CURRENTLY WAITING ON TRUCKS FOR RIG MOVE. ADJUST BRAKES, TIGHTEN BOLTS ON TABLE, SCRUB RIG
3	08/01/2011	00:00 - 07:30	7.50	WAIT ON TRUCKS FOR RIG MOVE
		07:30 - 08:00	0.50	PJSM: RIG CREW, TRINIDAD TRUCKING, DOUBLE T, RAY'S, STALLION, DOUBLE H, RM, NIGHT DSM, DAY DSM: DISCUSSED OUR MOVE TO THE 2033_112F.
		08:00 - 12:00	4.00	RIG 100% ON LOCATION 12:00 HOURS. RIG SPOTTED 12:00 HOURS. RU OXY OFFICE, RU BACK YARD, GENERAL RU, MAINT & HOUSEKEEPING  SAFETY BREAK: DISCUSSED RIGGING UP WITH RIG CREW, AND MOVERS.  NOTIFIED ED MARTIN WITH THE NMOC OF INTENT TO SPUD AND RUN CASING/CEMENT
		12:00 - 14:00	2.00	DERRICK STANDING 12:10 HOURS. LAST TRUCK LEFT 12:30 HRS. MIX SPUD MUD, STRAP & CALIPER BHA, MU DC & BIT, REWORK 10" PVC CLEAN OUT LINES ON PITS (CELLAR TOO FAR FROM RESERVE).  PERFORM PRE SPUD INSPECTION AND ACCEPTED RIG ON DAY RATE @ 14:00 HOURS  SAFETY BREAK: DISCUSSED TEAM WORK
		14:00 - 18:00	4.00	SPUDED 12 1/4" HOLE @ 14:00  DRILLED 12 1/4" HOLE FROM 0' TO 200'; ROP = 50' FPH  DROP SOAP STICK EVERY CONNECTION AND 1 SWEEP STICK EVERY THIRD CONNECTION  CIRCULATE THROUGH STEEL PITS  WOB = 16 KLBS ROTARY = 120 RPM PUMP RATE = 340 GPM ( 60 SPM) PUMP PRESSURE = 740 PSI MW = 8.7, VIS = 28
		18:00 - 22:00	4.00	DRILLED 12 1/4" HOLE FROM 200' TO 432'; ROP = 58' FPH  DROP SOAP STICK EVERY CONNECTION AND 1 SWEEP STICK EVERY THIRD CONNECTION  RUN WIRELINE SURVEY @ 400' = 0.75 DEGREE  CIRCULATE THROUGH RESERVE  WOB = 16 KLBS ROTARY = 100 RPM PUMP RATE = 340 GPM ( 60 SPM) PUMP PRESSURE = 800 PSI MW = 8.8, VIS = 29
		22:00 - 00:00	2.00	DRILLED 12 1/4" HOLE FROM 432' TO 542'; ROP = 55' FPH  DROP SOAP STICK EVERY CONNECTION AND 1 SWEEP STICK EVERY THIRD CONNECTION  CIRCULATE THROUGH RESERVE  WOB = 13 KLBS ROTARY = 120 RPM PUMP RATE = 340 GPM ( 60 SPM) PUMP PRESSURE = 870 PSI MW = 8.8, VIS = 29

## Operation Summary Report

Well: BRAVO DOME UNIT 2033 112K

Event Name: DEV DRILLING

Project: BRAVO DOME

Prim. Reason: ORIG DRILL VERT

Site: BRAVO DOME C02 UNIT

Start Date: 7/30/2011

End Date: 8/5/2011

Rig Name: TRINIDAD 208

#	Date	Time Start-End	Hrs	Op Details
4	08/02/2011	00:00 - 03:30	3.50	DRILLED 12 1/4" HOLE FROM 542' TO 670'; ROP = 37' FPH  DROP SOAP STICK EVERY CONNECTION AND 1 SWEEP STICK EVERY THIRD CONNECTION  CIRCULATE THROUGH STEEL PITS  WOB = 21 KLBS ROTARY = 120 RPM PUMP RATE = 340 GPM ( 60 SPM) PUMP PRESSURE = 960 PSI MW = 9.2, VIS = 33
		03:30 - 04:00	0.50	SERVICE RIG - GREASE SWIVEL
		04:00 - 06:00	2.00	DRILLED 12 1/4" HOLE FROM 670' TO 795'; ROP = 62' FPH  DROP SOAP STICK EVERY CONNECTION AND 1 SWEEP STICK EVERY THIRD CONNECTION  CIRCULATE THROUGH STEEL PITS  WOB = 23 KLBS ROTARY = 120 RPM PUMP RATE = 340 GPM ( 60 SPM) PUMP PRESSURE = 1000 PSI MW = 9.2, VIS = 33
		06:00 - 06:30	0.50	CIRCULATE CONDITION HOLE FOR CASING RUN
		06:30 - 09:00	2.50	DROP TOTCO TRIP OUT THE HOLE TO RUN SURFACE CASING. SURVEY @ 795 = 0.75
		09:00 - 11:00	2.00	PJSM - RIG UP & RUN 18 JTS. 8 5/8", 24#, J-55, ST & C, SURFACE CASING:  1 - 8 5/8" TEXAS PATTERN SHOE 1 - SHOE JOINT 1 - INSERT FLOAT 17- JOINTS
		11:00 - 15:00	4.00	CIRCULATING CASING WHILE WAITING ON HALLIBURTON TO ARRIVE FROM OTHER JOB.
		15:00 - 18:30	3.50	CONTINUE CIRCULATING CASING WHILE WAITING ON HALLIBURTON
		18:30 - 20:00	1.50	HALLIBURTON ON LOCATION @ 1830. RIG UP CEMENTING HEAD, CIRCULATE CASING AND HOLD PJSM WITH RIG AND CEMENT CREW
		20:00 - 21:00	1.00	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% CaCl2 - 0.25 lbm/sk Poly-E-Flake - YIELD: 1.35 CUFT/SACK - PUMP RATE = 7 BBL/MIN - PRESSURE = 200 PSI  DISPLACED WITH 46.6 BBLS OF FRESH WATER - PUMP RATE = 6 BBL/MIN - PRESSURE = 240 PSI - FINAL @ 2BPM = 240 PSI  DID NOT BUMP PLUG. NOTIFIED FIELD SUPERINTENDENT GOT BACK .5 BBL TO TRUCK FLOATS HELD.  FULL RETURNS THROUGHOUT JOB GOT BACK 46.6 BBL (194 SKS) TO SURFACE.
		21:00 - 00:00	3.00	HELD PJSM AND RIG DOWN HALLIBURTON. WOC, JET CELLAR, CLEAN PITS.
5	08/03/2011	00:00 - 01:00	1.00	CONTINUE WOC
		01:00 - 03:30	2.50	MUD UP PREMIX FOR VISCOUS SWEEPS AFTER DRILLING OUR FLOAT COLLAR, BACK OUT LANDING JT AND NIPPLE UP BOP.
		03:30 - 04:30	1.00	FINISH NIPPLE UP BOP, MU TEST PLUG TO 5.5" CASING JT. TEST BOP TO 250 PSI LO, 1000 PSI HI, 5 MINUTES EACH. GOOD TEST.

# Operation Summary Report

Well: BRAVO DOME UNIT 2033 112K

Event Name: DEV DRILLING

Project: BRAVO DOME

Prim. Reason: ORIG DRILL VERT

Site: BRAVO DOME C02 UNIT

Start Date: 7/30/2011

End Date: 8/5/2011

Rig Name: TRINIDAD 208

#	Date	Time Start-End	Hrs	Op Details
		04:30 - 06:30	2.00	TIH W/7.875 BHA TO TOC. TAGGED CEMENT AT 725'
				SAFETY BREAK: JSA TRIPPING PIPE, AND HANDLING TUBULARS.
		06:30 - 07:00	0.50	TEST CASING @ 1,000 PSI FOR 30 MIN TEST GOOD.
		07:00 - 08:30	1.50	DRILL OUT CEMENT TO FLOAT COLLAR FROM 725' TO 795'
		08:30 - 12:30	4.00	DRILL 7 7/8" PRODUCTION HOLE F 795' TO 1030' AVG 59' 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
				10:00 SAFETY BREAK: DISCUSSED STAYING FOCUSED ON THE JOB
		12:30 - 16:30	4.00	DRILL 7 7/8" PRODUCTION HOLE F 1030' TO 1290' AVG 65' FPH 75 RPM, 25-38K WOB, 340 GPM, 1099 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 8.7 PPG
				SURVEY @ 1214' = .75°
				SAFETY BREAK: DISCUSSED MIXING MUD AND CHEMICALS
		16:30 - 18:00	1.50	DRILL 7 7/8" PRODUCTION HOLE F 1290' TO 1380' AVG 60' FPH 75 RPM, 25-38K WOB, 340 GPM, 1099 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 8.7 PPG
		18:00 - 22:00	4.00	DRILL 7 7/8" PRODUCTION HOLE F 1380' TO 1622' AVG 61' FPH 75 RPM, 25-38K WOB, 340 GPM, 1050 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 9.0 PPG, VIS 40
				SAFETY BREAK: INCLEMENT WEATHER
		22:00 - 00:00	2.00	DRILL 7 7/8" PRODUCTION HOLE F 1622' TO 1679' AVG 29' FPH 70 RPM, 32-38K WOB, 340 GPM, 1090 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, VIS 38
6	08/04/2011	00:00 - 04:00	4.00	DRILL 7 7/8" PRODUCTION HOLE F 1679' TO 1815' AVG 34' FPH
				SURVEY @ 1700 = 1.0
				70 RPM, 32-38K WOB, 340 GPM, 1175 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, VIS 38
		04:00 - 06:00	2.00	DRILL 7 7/8" PRODUCTION HOLE F 1815' TO 1875' AVG 30' FPH
				72 RPM, 32-38K 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, VIS 39
		06:00 - 10:00	4.00	DRILL 7 7/8" PRODUCTION HOLE F 1875' TO 2053' AVG 45' FPH
				72 RPM, 32-38K 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, VIS 39

## Operation Summary Report

Well: BRAVO DOME UNIT 2033 112K

Event Name: DEV DRILLING

Project: BRAVO DOME

Prim. Reason: ORIG DRILL VERT

Site: BRAVO DOME C02 UNIT

Start Date: 7/30/2011

End Date: 8/5/2011

Rig Name: TRINIDAD 208

#	Date	Time Start-End	Hrs	Op Details
		10:00 - 14:00	4.00	DRILL 7 7/8" PRODUCTION HOLE F 2053' TO 2216' AVG 41' FPH  72 RPM, 32-38K 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 9.4 PPG, VIS 39  SURVEY @ 2185 .25°
		14:00 - 18:00	4.00	DRILL 7 7/8" PRODUCTION HOLE F 2216' TO 2339' AVG 31' FPH  75 RPM, 45 WOB, 340 GPM, 1190 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 9.4 PPG, VIS 40
		18:00 - 22:00	4.00	DRILL 7 7/8" PRODUCTION HOLE F 2216' TO 2505' AVG 42' FPH  CIMARRON IDENTIFIED FROM 2336' TO 2355'  70 RPM, 40 WOB, 340 GPM, 1175 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 9.2 PPG, VIS 40
		22:00 - 23:00	1.00	PUMP HI VIS SWEEP. CIRCULATE HOLE 2X BOTTOMS UP FOR CASING RUN.
		23:00 - 00:00	1.00	DROP TOTCO AND TOH TO RUN 5.5" PRODUCTION CASING
7	08/05/2011	00:00 - 03:30	3.50	TOH TO RUN 5.5" PRODUCTION CASING. ENCOUNTERED TIGHT SPOTS FROM 1963-1840 AND 1390-1327, PULLING 60-70K OVER. BACKREAM AND WORK PIPE. CHANGE OUT DYES ON IRON ROUGHNECK.  SURVEY @ 2505 = 2.0
		03:30 - 04:30	1.00	RIGUP CRT AND HOLD PJSM FOR RUNNING CASING
		04:30 - 08:30	4.00	PJSM WITH RIG CREW, RIG UP AND RUN 5.5" 15.5# J-55 CASING AS FOLLOWS.  NOTE: HAD FILL @ 2490' AND WASHED DOWN TO BOTTOM @ 2505' AND CIRCULATED 15 MIN.  1- GUIDE SHOE 1- SHOE JOINT 1- INSERT FLOAT 59 - JOINT 5.5" 15.5# J-55
		08:30 - 11:00	2.50	PJSM WITH HALLIBUTON AND RIG CREW WHILE CIRCULATING BOTTOMS UP. MAKE UP HALLIBURTON AND CEMENT PRODUCTION AS FOLLOWS.  - 20 BBL FRESH WATER SPACER AT 5 BBL/MIN AND 175 PSI  - 266 BBL (460SKS) OF PREMIUM PLUS MIDCON 2 W/2% CC, LEAD CEMENT - 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 - 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 BBL OF FRESH WATER  BUMPED PLUG @ 1045 HRS WITH 1100 PSI RETURNED 0.75 BBL TO TRUCK RETURNED 121 SACKS (70 BBL) TO SURFACE, FLOAT HELD

**Operation Summary Report**

Well: BRAVO DOME UNIT 2033 112K

Event Name: DEV DRILLING

Project: BRAVO DOME

Prim. Reason: ORIG DRILL VERT

Site: BRAVO DOME C02 UNIT

Start Date: 7/30/2011

End Date: 8/5/2011

Rig Name: TRINIDAD 208

#	Date	Time Start-End	Hrs	Op Details
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		11:00 - 13:00	2.00	BACKED OUT LANDING JOINT
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NIPPLE DOWN BOP, AND JET PITS.

RELEASE RIG TO THE BDU 2033-072K @ 13:00 HOURS

SAFETY MEETING: CONFINED SPACES AND BODY PLACEMENT

# OXY USA INC

## Casing Report

Well: BRAVO DOME UNIT 2033 112K	Event Name: DEV DRILLING	Report Date: 8/5/2011
Project: BRAVO DOME	Prim. Reason: ORIG DRILL VERT	Report No.: 2
Site: BRAVO DOME C02 UNIT	Start Date: 7/30/2011	Wellbore: 00
Active Datum: Original KB @4,980.20ft (above Mean Sea Level)	End Date: 8/5/2011	

Assembly			Casing Flange		Status History	
Assembly Name: PRODUCTION CASING	Weight in Slips:		Manufacturer: VETCO GRAY		8/3/2011	INSTALLED
Nom. Size: 5.500 (in)	Hours Circ:		Model: VG CWCT			
Top MD: 7.00 (ft)	Fluid Lost:		Hanger Model:			
Landed MD: 2,504.95 (ft)	Vol Fluid Lost:		Packoff Model:			
Assembly Length: 2,497.95 (ft)			Top Flange Size/Rating: 11.000 (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)	59	2,454.00	7	2,461.00	5.500	4.950	4.825	15.50	J-55	LTC	LONE STAR STEEL			
INSERT FLOAT	1	0.00	2461	2,461.00	5.500									
SHOE JOINT	1	42.95	2461	2,503.95	5.500	4.950	4.825	15.50	J-55	LTC				
GUIDE SHOE	1	1.00	2504	2,504.95	5.500									

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Remarks

# OXY USA INC

## Casing Report

Well: BRAVO DOME UNIT 2033 112K	Event Name: DEV DRILLING	Report Date: 8/2/2011
Project: BRAVO DOME	Prim. Reason: ORIG DRILL VERT	Report No.: 1
Site: BRAVO DOME C02 UNIT	Start Date: 7/30/2011	Wellbore: 00
Active Datum: Original KB @4,980.20ft (above Mean Sea Level)	End Date: 8/5/2011	

Assembly				Casing Flange		Status History	
Assembly Name: SURFACE CASING	Weight in Slips:			Manufacturer: VETCO GRAY		8/2/2011	INSTALLED
Nom. Size: 8.625 (in)	Hours Circ: 0.50 (hr)			Model: VG CWCT			
Top MD: 7.00 (ft)	Fluid Lost:			Hanger Model:			
Landed MD: 777.30 (ft)	Vol Fluid Lost:			Packoff Model:			
Assembly Length: 770.30 (ft)				Top Flange Size/Rating: 11.000 (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
SHOE JOINT	17	726.17	7	733.17	8.625	8.097	7.972	24.00	J-55	STC				
INSERT FLOAT	1	0.00	733	733.17	8.625	8.097	7.972	24.00						
CASING JOINT(S)	1	43.13	733	776.30	8.625	8.097	7.972	24.00	J-55	STC				
TEXAS PATTERN SHOE	1	1.00	776	777.30	8.625	8.097	7.972	24.00						

Jewelry						
Accessory Name	Manufacturer	Num	Spacing (ft)	Interval		How Fixed
STANDARD BOW SPRING		6		Top MD (ft)	Btm MD (ft)	
				27.00	767.00	CLAMPED

Remarks



**PRIMARY Cementing Report**

Well: BRAVO DOME UNIT 2033 112K	Event Name: DEV DRILLING	Report Date: 8/2/2011
Project: BRAVO DOME	Prim. Reason: ORIG DRILL VERT	Report No.: 1
Site: BRAVO DOME C02 UNIT	Start Date: 7/30/2011	Wellbore: 00
Active Datum: Original KB @4,980.20ft (above Mean Sea Level)	End Date: 8/5/2011	

**General Job Information**

Contractor: HALLIBURTON	Cemented Assembly: SURFACE CASING	Actual TOC MD: 7.00 (ft)
WOC Time:	Assembly Size: 8.625 (in)	TOC Locate Method: Cmt Returns at Surf
Foam: N	Assembly Btm MD: 777 (ft)	
Cement:		
Not Ready to FN	Assembly Set Date: 08/02/2011	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: 46.6 (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 233 - 978 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: N	Float Held: Y	Press. Over Pumping:
Circulate Press:	Plug Catcher Used:	Pill Spotted Below Plug:	Duration Press. Held:

**FRESH WATER**

Pumping Start: 19:58	Slurry Type:	Total Slurry Volume: 0.0 (bbl)	Slurry Top MD:
Pumping End:	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: 20:05	Slurry Type:	Total Slurry Volume: 120.2 (bbl)	Slurry Top MD:
Pumping End:	Class: PREM PLUS	Excess Slurry Percent: 100.00 (%)	Slurry Btm MD:
Rate: 7.00 (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:	
<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: 20:33	Slurry Type:	Total Slurry Volume: 0.0 (bbl)	Slurry Top MD:
Pumping End:	Class:	Excess Slurry Percent:	Slurry Btm MD:
Rate: 6.00 (bbl/min)	Density: 8.33 (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 2033 112K	Event Name: DEV DRILLING	Report Date: 8/5/2011
Project: BRAVO DOME	Prim. Reason: ORIG DRILL VERT	Report No.: 2
Site: BRAVO DOME C02 UNIT	Start Date: 7/30/2011	Wellbore: 00
Active Datum: Original KB @4,980.20ft (above Mean Sea Level)	End Date: 8/5/2011	

**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: 2505 (ft)	
Cement:		
Not Ready to FN	Assembly Set Date: 08/05/2011	Total Slurry in Well:
Static BHT:	Hole Size: 7.875 (in)	Excess Slurry Volume: 1,262.8 (bbl)
Returns: Full	Volume Lost:	Est Cmt Vol Returns to Surf: 140.0 (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 439 - 2,505 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:	Press. Over Pumping:
Circulate Press:	Plug Catcher Used:	Pill Spotted Below Plug:	Duration Press. Held:

**FRESH WATER**

Pumping Start: 09:09	Slurry Type: SPACER	Total Slurry Volume: 0.0 (bbl)	Slurry Top MD:
Pumping End: 09:16	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: 09:24	Slurry Type: CEMENT	Total Slurry Volume: 266.3 (bbl)	Slurry Top MD:
Pumping End: 10:12	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: 223.9 (bbl)
Foam Job:	Yield: 3.2500 (ft <sup>3</sup> /sk)	Mix Water Ratio: 20.440 (gal/sk94)	Actual Sacks Used: 460
		Mix Method:	

**TAIL CEMENT**

Pumping Start: 10:13	Slurry Type: CEMENT	Total Slurry Volume: 49.4 (bbl)	Slurry Top MD:
Pumping End: 10:23	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 <sup>3</sup> /sk)	Mix Water Ratio: 9.950 (gal/sk94)	Actual Sacks Used: 150
		Mix Method:	

**FRESH WATER**

Pumping Start: 10:29	Slurry Type: DISPLACEMENT	Total Slurry Volume: 0.0 (bbl)	Slurry Top MD:
Pumping End: 10:45	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