

Submit 3 Copies To Appropriate District

State of New Mexico

Form C-103

Office

Energy, Minerals and Natural Resources

May 27, 2004

District I

1625 N. French Dr., Hobbs, NM 87240

District II

1301 W. Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

RECEIVED  
2007 AUG 17 PM 1:55  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO. 30-021-20397
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No. ---
7. Lease Name or Unit Agreement Name: Bravo Dome Carbon Dioxide Gas Unit 1932
8. Well Number 101
9. OGRID Number 16696
10. Pool name or Wildcat Bravo Dome Carbon Dioxide Gas 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 type="checkbox"/> Other CO2 Supply Well <input type="checkbox"/>	11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4681.4'
2. Name of Operator OXY USA Inc.	
3. Address of Operator P.O. Box 50250 Midland, TX 79710-0250	
4. Well Location Unit Letter <u>G</u> : <u>1699</u> feet from the <u>north</u> line and <u>1699</u> feet from the <u>east</u> line Section <u>10</u> Township <u>19N</u> Range <u>32E</u> NMPM County <u>Harding</u>	
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/>	
Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____	
Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____	

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

#### NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>
OTHER: <input type="checkbox"/>	

#### SUBSEQUENT REPORT OF:

REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
COMMENCE DRILLING OPNS. <input checked="" type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
CASING TEST AND CEMENT JOB <input checked="" 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 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

See Attachment

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOC guidelines ☐ , a general permit ☐ or an (attached) alternative OCD-approved plan ☐

SIGNATURE David Stewart TITLE Sr. Regulatory Analyst DATE 8/14/07

Type or print name David Stewart

E-mail address: david\_stewart@oxy.com  
Telephone No. 432-685-5717

For State Use Only

APPROVED BY Ed Martin TITLE DISTRICT SUPERVISOR DATE 8/22/07

Conditions of Approval, if any:

## BDCDGU 1932-101

**Date: 08/07/2007**

Supervisor 1:

BJ KENNEDY

MOVE IN AND RIG UP

OXY PRE-SPUD RIG INSPECTION

SPUD IN 12-1/4" SURFACE HOLE FROM 6.6-293', PUMP PRESSURE 750 PSI, WOB 6-8, RPM 80-90

CHANGE AIR THROTTLE VALVE ON MUD PUMP

DRILL 12-1/4" SURFACE HOLE FROM 293-381', PUMP PRESSURE 750 PSI, WOB 8-10, RPM 80-90

TRIP OUT OF HOLE TO REPAIR BROKEN GOOSENECK BOLTS

REMOVE GOOSENECK AND REPAIR BOLTS

TRIP BACK IN THE HOLE

DRILL 12-1/4" SURFACE HOLE FROM 381-439', PUMP PRESSURE 850 PSI, WOB 8-10, RPM 80-90

INCLINATION SURVEY AT 410 - 0.5 DEGREES

DRILL 12-1/4" SURFACE HOLE FROM 439-710', PUMP PRESSURE 850 PSI, WOB 10-15, RPM 80-90

CIRCULATE

TRIP OUT OF THE HOLE WITH 12-1/4" BHA TO RUN 8-5/8" SURFACE CASING

**Date: 08/08/2007**

Supervisor 1:

BJ KENNEDY

RUN 8.625", 24 LB, J55, 8RD CASING FROM SURFACE TO 703.73' TORQUEING CONNECTIONS TO 2440

1 TEXAS PATTERN SHOE - 1 JOINT CSG. - 1 INSERT FLOAT - 15 JOINT CSG. - RIG DOWN CASING TOOLS

RIG UP HALLIBURTON CEMENTERS - SAFETY MEETING

TESTED CEMENTING LINES TO 250 PSI LOW PRESSURE AND 2000 HIGH PRESSURE FOR 10 MINUTES EACH.

400 SACKS OF LEAD, PREMIUM PLUS MIXED TO 14.8 PPG, 1.35 YIELD AT 6 BPM WITH 75 PSI

DROPPED PLUG @ 09:15

DISPLACED CEMENT WITH 42 BBLS FRESH WATER USING HALLIBURTON PUMP TRUCK AT 6 BPM WITH 100 PSI FINAL DISPLACEMENT PRESSURE.

BUMPED PLUG @ 09:30 WITH 350 PSI . HELD PRESSURE FOR 10 MINUTES. FLOAT EQUIPMENT HOLDING OK.

CIRCULATED 167 SACKS TO PIT. WOC - WORK ON PUMP

NIPPLE UP BOP

TIH WITH BIT #2, 2 DC'S, REAMER, 1 DC, REAMER, 17 DC'S. TAG CEMENT @ 650'

PRESSURE TEST BOP, CASING, & INSIDE WELLHEAD VALVE TO 1000# FOR 30 MINUTES, OK. PRESSURE TEST OUTSIDE WELLHEAD VALVE TO 1000# FOR 10 MINUTES, OK

INSTALL STRIPPING HEAD RUBBER, DRILL INSERT FLOAT AND CEMENT

DRILLING 7.875" PRODUCTION HOLE FROM 710' TO 1003', 28 - 30 WOB, 80-90 RPM, 64 SPM @ 365 GPM, 750 PSI

DRILLING 7.875" PRODUCTION HOLE FROM 1003' TO 1251', 30 - 38 WOB, 80-90 RPM, 64 SPM @ 365 GPM, 750 PSI

SURVEY @ 1210' = 1.00 DEGREE

DRILLING 7.875" PRODUCTION HOLE FROM 1251' TO 1496', 30 - 38 WOB, 80-90 RPM, 64 SPM @ 365 GPM, 750 PSI

**Date: 08/09/2007**

Supervisor 1:

BJ KENNEDY

DRILLING 7-7/8" PRODUCTION HOLE FROM 1496' TO 1623', 30 - 38 WOB, 80-90 RPM, 64 SPM @ 365 GPM, 850 PSI

DRILLING 7-7/8" PRODUCTION HOLE FROM 1623' TO 1754', 30 - 38 WOB, 80-90 RPM, 64 SPM @ 365 GPM, 850 PSI

LOST CIRCULATION AT 1754'

TOOH INTO 8-5/8" CASING

MIX 90 BBL 25#/BBL LCM PILL WITH FRESHWATER GEL, COTTOM SEED HULLS, AND FIBERSEAL

TIH TO 1721.25 TO PUMP 90 BBL LCM PILL DOWNHOLE, NO RETURNS

WAIT FOR SEAL OFF, MIX ANOTHER 80 BBL, LCM PILL

PUMP 80 BBLS LCM PILL, NO RETURNS. WAIT ON LCM TO BE DELIVERED

MIX 120 BBLS, 30#/BBLS LCM PILL, PUMP PILL, NO RETURNS

WAIT ON CALCIUM CARBONATE TO BE DELIVERED FROM MIDLAND, TX.

**Date: 08/10/2007**

Supervisor 1:

SHANNON RICE

CONTINUE TO WAIT ON CALCIUM CARBONATE TO BE DELIVERED FROM MIDLAND, TX.

MIX CALCIUM CARBONATE PILL. SPOT PILL & TOH TO 1190'

WAIT ON PILL & ATTEMPT TO FILL BACKSIDE, HOLE DID NOT FILL AFTER PUMPING TWO HOLE VOLUMES

TRIP IN HOLE, TAG FILL AT 1721', REAM 33' TO BOTTOM

DRILL 7.875" PRODUCTION HOLE WITH SEMI TO NO RETURNS FROM 1754' TO 1853' WITH REDUCED PUMP RATE OF 276 GPM

PULL UP INTO SURFACE CASING SHOE AT 700'

BUILD VOLUME & MUD UP SYSTEM TO 38 TO 40 VISCOSITY, 15 LB/BBL CALCIUM CARBONATE, 50 / 50 MEDIUM / COURSE

TRIP IN HOLE, TAG FILL AT 1810', WASH 43' TO BOTTOM

DRILL 7.875" PRODUCTION HOLE WITH SEMI TO NO RETURNS FROM 1853' TO 1864' WITH REDUCED PUMP RATE OF 276 GPM, SUCK AIR IN PITS

BUILD 60 BBL 40 VIS, 30 LB/BBL CALCIUM CARBONATE PILL, & SPOT ON BOTTOM, MEDIUM / COURSE  
DRILL 7.875" PRODUCTION HOLE WITH SEMI TO NO RETURNS FROM 1864' TO 1909' AT 331 GPM  
TRIP OUT OF HOLE, LAY DOWN DRILL COLLARS & STABILIZERS  
TRIP IN HOLE OPEN ENDED TO CASING SHOE. WAIT ON HALLIBURTON. TRIP IN HOLE TO 1909'.

**Date: 08/11/2007**

Supervisor 1: SHANNON RICE

RIG UP HALLIBURTON SURFACE EQUIPMENT & PRE JOB SAFETY MEETING

SET BALANCED PLUG

TRIP UP TO 696' INSIDE SURFACE CASING SHOE

PUMP 85 BBLS BEFORE ESTABLISHING CIRCULATION, FULL RETURNS, PUMP 3 DRILL STRING VOLUMES

SHUT WELL IN, ATTEMPT TO SQUEEZE CEMENT,

PUMP A TOTAL OF 5 BBLS AT :

1 BBL/MIN = 0 PSI - 2 BBL/MIN = 0 PSI - 2.5 BBL/MIN = 5 PSI

SHUT DOWN & WAIT 30 MINUTES

PUMP A TOTAL OF 5 BBLS AT :

1 BBL/MIN = 0 PSI - 2 BBL/MIN = 0 - 5 PSI

RIG DOWN HALLIBURTON SURFACE EQUIPMENT

TRIP OUT OF HOLE

MAKE UP BHA

CEMENT SAMPLE SOFT ( NEVER DID GET HARD), WOC

TRIP IN HOLE TAG BRIDGE AT 1487'

PUMP 73 BBLS BEFORE ESTABLISHING CIRCULATION, FULL RETURNS FALL THROUGH BRIDGE

CONTINUE TRIPPING IN HOLE, TAG CEMENT AT 1677'

DRESS OUT CEMENT, FULL RETURNS AT 1677', MADE A FEW FEET & LOST RETURNS COMPLETELY, DRILLED A FEW MORE FEET & REGAINED 50% RETURNS UNTILL 1909'

TRIP OUT OF HOLE TO 1377'

MIX 80 BBL LCM PILL, 80 VIS 15 LB/BBL CALCIUM CARBONATE, 6 LB/BBL, FINE, MEDIUM, & COURSE FIBER, 18 LB/BBL MIXED FIBER, 4 LB/BBL WATER GUM LOW LOSS

TRIP IN HOLE TO 1909'. SPOT LCM PILL

TRIP OUT OF HOLE TO SURFACE CASING SHOE

WAIT ON CEMENT PILL TO HEAL, MUD UP WORKING PITS 38 TO 40 VIS, 15 LB/BBL CALCIUM CARBONATE, TRIP IN HOLE

BREAK CIRCULATION, PUMP IDLE, 25 BBLS GONE BEFORE ESTABLISHING FULL RETURNS

DRILLING 7.875" PRODUCTION HOLE FROM 1909' TO 2099' WOB = 30, RPM = 60-70, GPM = 305, 60% - 75% RETURNS

**Date: 08/12/2007**

Supervisor 1: SHANNON RICE

DRILLING 7.875" PRODUCTION HOLE FROM 2099' TO 2200' WOB = 30, RPM = 60-70, GPM = 305, 60% - 75% RETURNS

CIRCULATE, TRIP OUT OF HOLE INTO SURFACE CASING SHOE

BUILD VOLUME & MUD UP STEEL PITS. TRIP IN HOLE

BREAK CIRCULATION, GAINED ONLY A SMALL STREAM

DRY DRILLING 7.875" PRODUCTION HOLE FROM 2200' TO 2320' WOB = 30, RPM = 60-70, GPM = 305, NO RETURNS

CIRCULATE FOR SHORT TRIP. SHORT TRIP 31 JOINTS, TO 1377', NO DRAG OUT, OR BRIDGES GOING IN

SPOT VISCOSITY PILL ON BOTTOM. TRIP OUT OF HOLE, BUILD VOLUME & MUD UP STEEL PITS

RUN 5.5", 15.50, J55, 8RD CASING FROM 2313' TO 2232' TORQUEING CONNECTIONS TO 2170

RUN 5.5", FIBERGLASS ACT1750 8RD CASING FROM SURFACE TO 2232', TORQUEING CONNECTIONS TO 400

1 GUIDE SHOE AT 2313 - 1 SHOE JOINT - 1 INSERT FLOAT - 2 JOINTS STEELCSG. - 76 JOINTS FIBERGLASS CSG

RIG DOWN CASING EQUIPMENT. RIG UP HALLIBURTON, & PRE JOB SAFETY MEETING

TESTED CEMENTING LINES TO 250 PSI LOW PRESSURE AND 1000 HIGH PRESSURE FOR 10 MINUTES EACH.

400 SACKS OF LEAD, INTERFILL C MIXED TO 11.1 PPG, 3.28 YIELD AT 5 DOWN TO 4 BPM WITH 70 PSI

150 SACKS OF TAIL, PREMIUM PLUS MIXED TO 13.2 PPG, 1.86 YIELD AT 3.5 BPM WITH 80 PSI

FLOODED TUBBS & DROPPED PLUG ON THE FLY @ 05:29. DISPLACED CEMENT WITH 30 BBLS FRESH WATER THEN 20 BBLS DRILLING FLUID USING HALLIBURTON PUMP TRUCK AT 2 BPM WITH 450 PSI FINAL DISPLACEMENT PRESSURE. BUMPED PLUG @ 05:47 WITH 900 PSI . HELD PRESSURE FOR 10 MINUTES. FLOAT EQUIPMENT HOLDING OK. WOC

**Date: 08/13/2007**

Supervisor 1: SHANNON RICE

WOC, RIG UP & RUN TEMPERATURE SURVEY, FOUND TOP OF CEMENT AT 1600'. RIG RELEASED AT 15:30 08/12/2007