

Submit 3 Copies To Appropriate District  
Office  
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

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
May 27, 2004

RECEIVED  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505  
2008 OCT 27 PM 2:30

WELL API NO. 30-021-20410
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. UG-4605
7. Lease Name or Unit Agreement Name: Bravo Dome Carbon Dioxide Gas Unit 1832
8. Well Number 221
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
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>K</u> : <u>1700</u> feet from the <u>South</u> line and <u>1700</u> feet from the <u>West</u> line Section <u>22</u> Township <u>18N</u> Range <u>32E</u> NMPM County <u>Harding</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) <u>4578.2'</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 ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐  
OTHER: ☐

**SUBSEQUENT REPORT OF:**

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☒ PLUG AND ABANDONMENT ☐  
CASING TEST AND 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 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 NMOCD guidelines ☐ , a general permit ☐ or an (attached) alternative OCD-approved plan ☐

SIGNATURE David Stewart TITLE Sr. Regulatory Analyst DATE 10/24/08

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 10/28/08

Conditions of Approval, if any:

**BDCDGU 1832-221****Date: 06/08/2008**

SPUD BDU 1832-221K @21:00 HR., DRILL 12.25" SURFACE HOLE TO 324', WOB ALL DC'S, RPM 90/100, PR 129 FT/HR, SURVEY @324' .25 DEG.  
 DRILL SURFACE HOLE F/324' - 720', WOB 15/35, RPM 90 100, PR 79.2 FT/HR,

**Date: 06/09/2008**

POH TO RUN 8 5/8 SURFACE CSG.

SAFETY MEETING RUN 16 JT'S, 24#, J55, LTC CSG., WASH DOWN LAST 60 FT.

SAFETY MEETING, RU CEMENTERS, CEMENT 8 5/8 CASING, TEST LINES 2450 PSI, PUMP 20 BBL'S WATER, PUMP 400 SKS PREMIUM PLUS @14.8  
 #.2% CACL2, DROP TOP PLUG, DISPL 42.4 BBL'S WATER, BUMP PLUG @ 525 PSI, BLED PRESSURE OFF, FLOAT HELD, CIR 114 SKS CEMENT TO

Component Name			Jts	Length (ft)	Nominal OD (in)	Nominal ID (in)	Weight (ppf)	Grade	Connection	Top MD (ft)	Btm MD (ft)		
CASING JOINT(S)			15	652.35	8.625	8.097	24.00	J-55	STC	14.0	666.3		
FLOAT COLLAR			1	0.90	9.625	8.097	24.00	J-55	STC	666.3	667.2		
SHOE JOINT			1	46.57	8.625	8.097	24.00	J-55	STC	667.2	713.8		
GUIDE SHOE			1	1.00	9.625	8.097	24.00	J-55	STC	713.8	714.8		
Stage:	1	-	PRIMARY	Returns:				FULL					
Fluid Type	Slurry Type		Class				Density (ppg)	Yield (ft3/sk94)	Mix Water Ratio	Actual Sacks	Total Slurry Volume	Vol Back Wash	Slurry Top MD
LEAD CEMENT			CEMENT			C	14.80	1.3500	7.000	400.00			

**Date: 06/10/2008**

WORKING ON IRON RUFFNECK

PICK UP BHA AND TRIP IN HOLE, TAG CEMENT @ 660'

BOP AND SHELL TEST. DRILL CEMENT, FLOAT COLLAR, GUIDE SHOE, AND 10' NEW HOLE

RUN F.I.T. /250 PSI -EMW=14.8 PPG

DRILLING PRODUCTION HOLE F/711'-T/ 1115', RPM 100, WOB 15k, SPM 65, GPM 355, PR 101 ft/hr, SURVEY @1115' DEG.

DRLG. F/1115'-2075' WOB 21, RPM 90, 355 GP, PR 71.11 FT/HR

**Date: 06/11/2008**

SURVEY @2075=3/4 DEGREES

DRILLING F/2075'-T/2225' CIMARRON 2145'-2160'

TD PRODUCTION HOLE @2290'

CIRCULATE AND CONDITION MUD AND HOLE

TRIP OUT OF THE HOLE TO LOG WELL. DIFFERENTIALY STUCK AT 1257 FT., WORK STRING

SPOT DIESEL, PUMPED 236 STROKES, 22.8 BBL'S TO HOLE. CONTINUED TO PUMP 1 BBL DIESEL EVERY 15 MIN AND WORK STRING. PUMPED  
 A TOTAL OF 58 BBL'S DIESEL. CONTINUED TO WORK PIPE EVERY 15 MINUTES PULL 50K OVER AND WORK TORQUE. WAIT ON PIPE LAX TO  
 ARRIVE. LEAVE STRING WT. DOWN WHILE WAITING.

RECEIVED 4 DRUMS OF PIPE LAX. PER MUD ENGINEER, MIXED & PUMPED 2 DRUMS PIPE LAX W/ 23 BBL'S OF DIESEL. REBUILD MIXTURE  
 PUMP 1BBL EVERY 15 MIN & WORK STRING, 50K OVERPULL AND WORK TORQUE. WAIT ON DIALOG, BASIC FISHING TOOL HAND, AND FISHING  
 TOOLS TO ARRIVE.

**Date: 06/12/2008**

WAITING ON DIALOG

HELD SAFETY MEETING WITH CREW&amp; DIALOG

A BLIND BACK OFF ATTEMPT WAS MADE, WITH 1 1/2 ROUNDS OF LEFT HAND TORQUE ON THE STRING, USING THE TOP DRIVE TO ASSIST THE  
 IRON ROUGHNECK. THE TOP DRIVE CONNECTION BROKE JUST AS THE DRILL STRING FREED, DROPPING THE DRILL STRING. THE TOOL JOINT  
 HUNG IN THE IRON ROUGHNECK CATCHING THE DRILL STRING.

WAITING ON PUP JOINT, CLOSED PIPE RAMS & ANNULAR WITH FULL PRESSURE, INSTALLED GREY VALVE AND DRILL COLLAR CLAMP IN  
 ORDER TO SECURE STRING., ATTEMPT TO BREAK BUMPER SUB FROM TOP DRIVE NO LUCK.

WAIT ON WELDER TO HEAT CONNECTION ON BUMPER SUB TO BREAK OUT SAME.

HELD SAFETY MEETING., HEAT CONNECTION OF BUMPER SUB, ATTEMPT TO BREAK OUT BUMPER SUB ON TOP DRIVE NO LUCK

BRING EXTRA SET OF BALES FROM CAPSTAR 25, RIG UP TWO SETS OF BALES WITH TWO 25 TON SHACKLES AND ELEVATORS PICK UP ON  
 STRING TO 60K NO MOVEMENT, SLACK OFF TO 30K CUT JAW PLATES FROM IRON ROUGHNECK IN ORDER TO REMOVE FROM D.P.,

REBUILD IRON ROUGHNECK, WAIT ON DIALOG CUTTING TOOL TO ARRIVE.

**Date: 06/13/2008**

REPAIR IRON ROUGHNECK

WORK STUCK PIPE 20K OVERPULL, CUT OFF BENT JT., PICK UP OVERSHOT, CIRCULATE CONTINUE TO WORK STRING 55K OVERPULL, ALL WT.  
 DOWN, WORK TORQUE. LARGE AMOUNT OF SHALE CUTTINGS COMING OVER SHAKERS., PUMP HI VIS SWEEP, CONDITION MUD.

CONTINUED TO WORK STUCK PIPE, PULLED TO DEPTH OF 1204', LAYED DOWN OVERSHOT AND CUT POINT OF PIPE, NO FURTHER MOVEMENT  
 CIRCULATED AND CONDITIONED MUD TO REDUCE FLUID LOSS AND INCREASE VISCOSITY WHILE CONTINUEING TO WORK PIPE FROM 55K  
 OVERPULL TO ALL WT. DOWN

RIGGED UP WIRELINE RAN FREE POINT TOOL, PIPE 100% FREE @ 1120', 100% STUCK @ 1142'

RUN STRING SHOT AND MAKE CONTROLLED BACK-OFF AT 1091', RIG DOWN WIRELINE

CIRCULATED AND CONDITIONED MUD REDUCED FLUID LOSS TO 7.6 AND INCREASED VISCOSITY TO 52, WT 8.7 PPG

TRIP OUT OF HOLE TO PICK UP FISHING JARS

**Date: 06/14/2008**

T.I.H. W/ SCREW IN SUB, JARS, ACCELERATORS,  
SCREW INTO FISH, CIRCULATE, JAR, & WORK FISH FREE  
T.O.H. LAY OUT FISHING TOOLS, CHECK BHA, TOTAL RECOVERY  
TIH, STRAP IN HOLE TO 1,100'

PRECAUTIONARY WASH AND REAM IN HOLE FROM 1,100' TO 1,600', HOLE IN GOOD CONDITION ONLY MINOR TIGHT SPOTS OBSERVED AND  
CONTINUED TIH HOLE TO BOTTOM AT 2,290' NO FILL OBSERVED

DRILL FROM 2,290' TO 2455', 90 RPM, 20K WOB, 350 GPM

CIRCULATED HOLE CLEAN, 350 GPM AT 600 PSI

TAKE SINGLE SHOT SURVEY AT 2436' .75 DEGREE

CIRCULATE AND CONDITION MUD TO OBTAIN GOOD MUD PROPERTIES FOR CASING RUN

TOH TO RUN CASING

Component Name	Jts	Length (ft)	Nominal OD (in)	Nominal ID (in)	Weight (ppf)	Grade	Connection	Top MD (ft)	Btm MD (ft)				
CASING JOINT(S)	77	2,258.30	5.500	4.740	5.90	FAB	10RD	11.0	2,269.3				
CASING JOINT(S)	5	165.91	5.500	4.950	15.50	J-55	LTC	2,269.3	2,435.2				
INSERT FLOAT	1	0.01	6.050	4.950	15.50		LTC	2,435.2	2,435.2				
SHOE JOINT	1	10.00	5.500	4.950	15.50	J-55	LTC	2,435.2	2,445.2				
GUIDE SHOE	1	0.80	6.050	4.950	15.50		LTC	2,445.2	2,446.0				
<b>Stage:</b>	<b>1</b>	<b>-</b>	<b>PRIMARY</b>				<b>Returns:</b>	<b>FULL</b>					
Fluid Type		Slurry Type		Class		Density (ppg)	Yield (ft <sup>3</sup> /sk94)	Mix Water Ratio	Actual Sacks	Total Slurry Volume	Vol Back Wash	Slurry Top MD	
FRESH WATER		SPACER		8.30									
LEAD CEMENT		CEMENT		PREM PLUS		11.10	3.2700	20.470	300.00				
TAIL CEMENT		CEMENT		PREM PLUS		13.20	1.8600	9.940	150.00				
FRESH WATER		DISPLACEMENT		8.30									

**Date: 06/15/2008**

T.O.H. TO RUN 5.5 CSG.

SAFETY MEETING, RIG UP CASING CREW, RUN 83 JT'S 5.5 CASING, SHOE @2449', FIBER GLASS @2272

SAFETY MEETING, RIG UP HALIBURTON, CEMENT 5 1/2 CASING, PUMP LEAD 300 SK'S CLASS-C 11.1 LB/GAL, 3.27 FT<sup>3</sup> SK, 20.47 GAL/SK, 6.5  
BBL/MIN. TAIL 150 SK'S CLASS-C 13.2 LB/GAL, 1.86 FT<sup>3</sup>/SK, 9.94 GAL/SK, 5.2 BBL MIN, PLUG DOWN @ 1:00 6/6/08, FLOAT HELD, CIRCULATED 137