

## APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

<sup>1</sup> Operator Name and Address		<sup>2</sup> OGRID Number
OXY USA Inc.		16696
P.O. Box 50250 Midland, TX 79710-0250		<sup>3</sup> API Number
		30- 059- 20458
<sup>4</sup> Property Code	<sup>5</sup> Property Name	<sup>6</sup> Well No.
27111	Bravo Dome Carbon Dioxide Gas Unit 2334	301

### <sup>7</sup>Surface Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
L	30	23 N	34 E		1650	South	660	West	Union

<sup>8</sup>Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
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<sup>9</sup> Proposed Pool 1		<sup>10</sup> Proposed Pool 2
Bravo Dome Carbon Dioxide Gas 640	96010	

<sup>11</sup> Work Type Code N	<sup>12</sup> Well Type Code C	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type Code P	<sup>15</sup> Ground Level Elevation 4848.1'
<sup>16</sup> Multiple No	<sup>17</sup> Proposed Depth 2600'	<sup>18</sup> Formation Tubb	<sup>19</sup> Contractor N/A	<sup>20</sup> Spud Date 7/5/04

<sup>21</sup>Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12-1/4"	8-5/8"	24#	700'	300sx	Surface
7-7/8"	5-1/2"	5.9#FG/15.5#	2600'	300sx	Surface

<sup>22</sup> Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

SEE ATTACHED

23 I hereby certify that the information given above is true and complete to the best of my knowledge and belief.		OIL CONSERVATION DIVISION	
Signature: <i>David Stewart</i>		Approved by: <i>[Signature]</i>	
Printed name: David Stewart		Title:	
Title: Sr. Regulatory Analyst		Approval Date: 4/8/04	Expiration Date: 4/8/05
Date: 4/6/04	Phone: 432-685-5717	Conditions of Approval: NSL MUST BE APPROVED	
		Attached <input type="checkbox"/> PRIOR TO PRODUCTION	

**PROPOSED TD:** 2600' TVD

**BOP PROGRAM:** 0-700' None  
700-2600' 8" 2M annular hydril preventer.

**CASING:** Surface: 8-5/8" OD 24# J55 8rd ST&C new casing set at 700'  
12-1/4" hole  
Centralizers from TD-Surf, every fourth joint

Production: 5-1/2" OD new casing from 0-2600'  
300'-15.5# J55 8rd LTC 2300'-5.9# 10rd FG  
7-7/8" hole - 5 centralizers

\*This well will have fiberglass casing from surface to the productive interval (Tubb). Steel casing will be used across the Tubb. The fiberglass casing must penetrate the Cimarron at a minimum. The optimum point for setting the fiberglass casing is at the midpoint of the Cimarron formation.

**CEMENT:** Surface - Circulate cement with 300sx Premium Plus with 2%  $\text{CaCl}_2$  + .25#/sx Poly E Flake, (WT-14.8ppg, Yld-1.34cf/sx, FW-6.3g/sx)

Production - Cement with 150sx Premium Plus with 3%  $\text{CaCl}_2$  + .25#/sx Poly E Flake, (WT-11.1ppg, Yld-3.27cf/sx, FW-20.47g/sx)  
followed by 150sx Premium Plus with 3%  $\text{CaCl}_2$  + .25#/sx Poly E Flake, (WT-13.2ppg, Yld-1.86cf/sx, FW-9.93g/sx)

**MUD:** 0-700' Fresh water/native mud.  
Wt 8.6-9.2ppg, Vis 32-36sec  
700-2600' Fresh water/Starch/Gel  
pH control as needed.  
Wt 9.0-9.2ppg, Vis 28-29sec

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 South First, Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-102  
Revised October 18, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number		Pool Code	Pool Name
		96010	BRAVO DOME CARBON DIOXIDE GAS (640)
Property Code	Property Name		Well Number
27111	BRAVO DOME CARBON DIOXIDE GAS UNIT 2334		301
OGRID No.	Operator Name		Elevation
16696	OXY USA INC.		4848.1

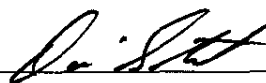
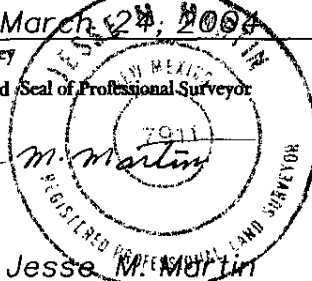
Surface Location

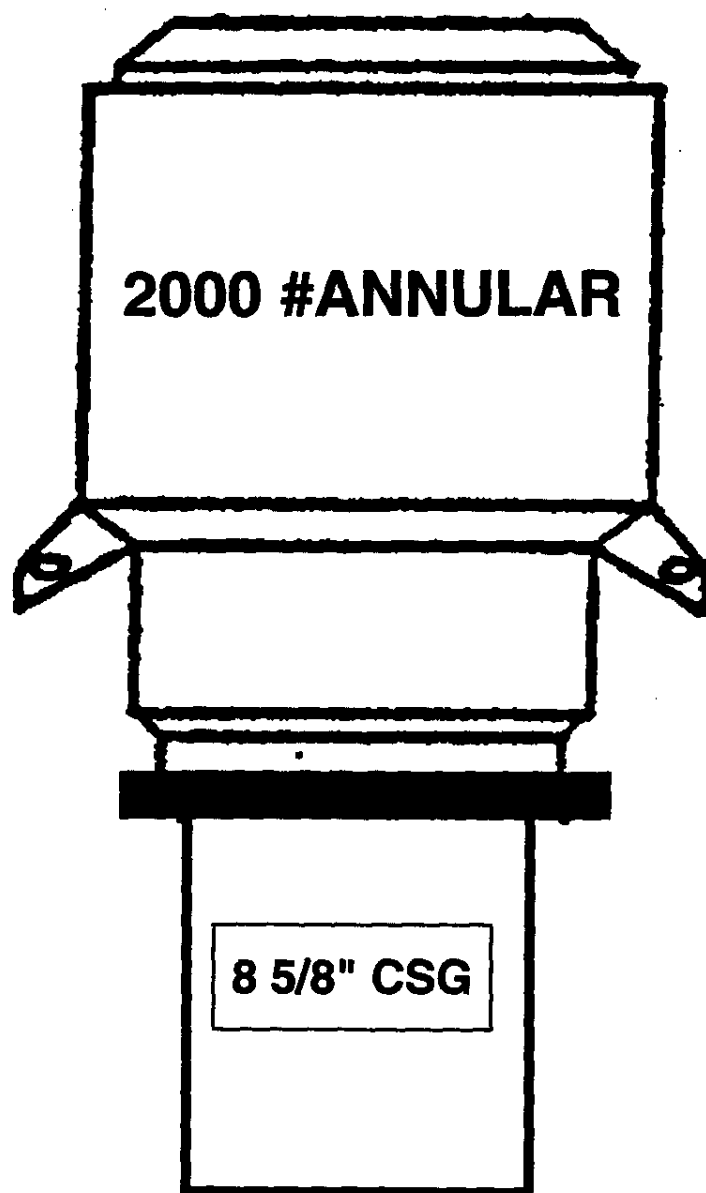
UL or lot no.	Section	Township	Range	Lot Idn.	Feet from the	North/South line	Feet from the	East/West line	County
L	30	23 N	34 E		1650'	SOUTH	660'	WEST	UNION

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn.	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres		Joint or Infill	Consolidation Code		Order No.				
640		N							

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

30					<b>OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.   Signature David Stewart Printed Name Sr. Regulatory Analyst Title 4/6/04 Date	
					<b>SURVEYOR CERTIFICATION</b> I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. March 24, 2004 Date of Survey Signature and Seal of Professional Surveyor  Jesse M. Martin Certificate Number 7911	
	NM-E NAD27 Lat - 36°11'32.46" Lon - 103°21'44.24"  660' 1 1650'					



**BRAVO DOME 2003 DRILLING PROJECT BOP DIAGRAM**

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