

**State of New Mexico  
Energy, Minerals & Natural Resources**

Form C-101  
Revised March 17, 1999

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
**District II**  
811 S. 1st Street, Artesia, NM 88210  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
**District IV**  
2040 South Pacheco, Santa Fe, NM 87505

**Oil Conservation Division  
2040 South Pacheco  
Santa Fe, NM 87505**

Submit to appropriate District Office  
State Lease - 6 Copies  
Fee Lease - 5 Copies

☐ AMENDED REPORT

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

<sup>1</sup> Operator Name and Address OXY USA Inc. P.O. Box 50250 Midland, TX 79710-0250		<sup>2</sup> OGRID Number 16696 <sup>3</sup> API Number 30- 059-
<sup>4</sup> Property Code 27111	<sup>5</sup> Property Name Bravo Dome Carbon Dioxide Gas Unit 1934	<sup>6</sup> Well No. 072

**<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
N	7	19N	34E		330	south	1650	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

<sup>9</sup> Proposed Pool 1 Bravo Dome Carbon Dioxide Gas 640      96010	<sup>10</sup> Proposed Pool 2
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<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 4945.5'
<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 5/15/03

**<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

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature:  Printed name: David Stewart Title: Sr. Regulatory Analyst Date: 4/2/03 4/10/03      Phone: 915-685-5717	<b>OIL CONSERVATION DIVISION</b> Approved by: Title: Approval Date:      Expiration Date: Conditions of Approval: Attached <input type="checkbox"/>
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**ATTACHMENT C-101****BDCDGU** 1934-072**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 IV**  
**2040 South Pacheco, Santa Fe, NM 87505**

**State of New Mexico**  
**Energy, Minerals & Natural Resources Department**

**Fee Lease - 3 Copies**

**OIL CONSERVATION DIVISION**  
2040 South Pacheco  
Santa Fe, NM 87505

☐ AMENDED REPORT

# WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number		Pool Code	Pool Name
		96010	BRAVO DOME CARBON DIOXIDE GAS
Property Code	Property Name		Well Number
27111	BRAVO DOME CARBON DIOXIDE GAS UNIT 1934		072
OGRID No.	Operator Name		Elevation
16696	OXY USA INC.		4945.5

### Surface Location

UL or lot no.	Section	Township	Range	Lot Idn.	Feet from the	North/South line	Feet from the	East/West line	County
N	7	19 N	34 E		330'	SOUTH	1650'	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
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Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
640	/		

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

<div>7</div> <div></div>	<div>OR IT NON-CHIEDERE ONLY HAS BEEN APPROVED BY THE DIVISION</div>
	<div><div>OPERATOR CERTIFICATION</div><div>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</div><div><div></div><div>Signature</div><div>David Stewart</div><div>Printed Name</div><div>Sr. Regulatory Analyst</div><div>Title</div><div>4/2/03</div><div>Date</div></div></div>
<div><div>SURVEYOR CERTIFICATION</div><div>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.</div><div><div>March 20, 2003</div><div>Date of Survey</div><div>Jesse M. Martin</div><div>Signature and Seal of Professional Surveyor</div><div></div><div>Jesse M. Martin</div><div>Certificate Number 7911</div></div></div>	

CMD :  
OG5SECTONGARD  
INQUIRE LAND BY SECTION05/05/03 14:43:49  
OGOMES -TPOY  
PAGE NO: 1

Sec : 07 Twp : 19N Rng : 34E Section Type : NORMAL

1 39.15  Fee owned U	C 40.00  Fee owned U	B 40.00  Fee owned U	A 40.00  Fee owned U
2 39.12  Fee owned U	F 40.00  Fee owned U A	G 40.00  Fee owned U	H 40.00  Fee owned U

78.27  
158.27  
160.00  
318.27  
636.44  
PF01 HELP  
PF07 BKWDPF02  
PF08 FWDPF03 EXIT  
PF09 PRINTPF04 GoTo  
PF10 SDIVPF05  
PF11PF06  
PF12

CMD :  
OG5SECT

ONGARD  
INQUIRE LAND BY SECTION

05/05/03 14:43:52  
OGOMES -TPOY  
PAGE NO: 2

Sec : 07 Twp : 19N Rng : 34E Section Type : NORMAL

3 39.10  Fee owned U	K 40.00  Fee owned U	J 40.00  Fee owned U	I 40.00  Fee owned U
4 39.07  Fee owned U	N 40.00  Fee owned U	O 40.00  Fee owned U	P 40.00  Fee owned U

PF01 HELP  
PF07 BKWD

PF02  
PF08 FWD

PF03 EXIT  
PF09 PRINT

PF04 GoTo  
PF10 SDIV

PF05  
PF11

PF06  
PF12

78.17  
8  
58.17  
160  
318.17