

**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. 032

**<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
P	3	19N	34E		660	south	660	east	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	<sup>10</sup> Proposed Pool 2 96010
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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 4819.6'
<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.		<b>OIL CONSERVATION DIVISION</b>	
Signature: 		Approved by:	
Printed name: David Stewart		Title:	
Title: Sr. Regulatory Analyst		Approval Date:	Expiration Date:
Date: 4/2/03 4/10/03	Phone: 915-685-5717	Conditions of Approval:	
		Attached <input type="checkbox"/>	

**ATTACHMENT C-101****BDCDGU 1934-032****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**

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

3

1

2

2970'

660'

1,039'

NM-E NAD27  
Lat - 35° 54' 04.95"  
Lon -103° 18' 16.95"

**OPERATOR CERTIFICATION**

*I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.*

*David Stewart*  
Signature

David Stewart  
Printed Name

Sr. Regulatory Analyst  
Title

4/2/03  
Date

**SURVEYOR CERTIFICATION**

*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 20, 2003  
Date of Survey

*Jesse M. Martin*  
Signature and Seal of Professional Surveyor

Jesse M. Martin  
Certificate Number

7911

CMD :  
OG5SECTONGARD  
INQUIRE LAND BY SECTION05/05/03 14:15:56  
OGOMES -TPOY  
PAGE NO: 1

Sec : 03 Twp : 19N Rng : 34E Section Type : NORMAL

4 39.18  Fee owned U	3 39.23  Fee owned U	2 39.27  Fee owned U	1 39.32  Fee owned U
E 40.00  Fee owned U	F 40.00  Fee owned U	G 40.00  Fee owned U A	H 40.00  Fee owned U

PF01 HELP  
PF07 BKWDPF02  
PF08 FWDPF03 EXIT  
PF09 PRINTPF04 GoTo  
PF10 SDIVPF05  
PF11PF06  
PF12

1  
79.18  
79.23  
158.41

1  
79.27  
79.32  
158.59  
158.41  
317.00  
32  
637.00

CMD :  
OG5SECT

ONGARD  
INQUIRE LAND BY SECTION

05/05/03 14:15:59  
OGOMES -TPOY  
PAGE NO: 2

Sec : 03 Twp : 19N Rng : 34E Section Type : NORMAL

L 40.00	K 40.00	J 40.00	I 40.00
Fee owned U	Fee owned U	Fee owned U	Fee owned U
M 40.00	N 40.00	O 40.00	P 40.00
Fee owned U	Fee owned U	Fee owned U	Fee owned U

PF01 HELP  
PF07 BKWD

PF02  
PF08 FWD

PF03 EXIT  
PF09 PRINT

PF04 GoTo  
PF10 SDIV

PF05  
PF11

PF06  
PF12