

**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

(0)

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

¹ Operator Name and Address OXY USA Inc. P.O. Box 50250 Midland, TX 79710-0250		² OGRID Number 16696
⁴ Property Code 27111	⁵ Property Name Bravo Dome Carbon Dioxide Gas Unit 1934	³ API Number 30- 059- 28406 ⁶ Well No. 182

⁷ Surface Location

UL or lot no. L	Section 18	Township 19N	Range 34E	Lot. Idn	Feet from the 1988	North/South Line south	Feet from the 460	East/West line west	County Union
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⁸ 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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⁹ Proposed Pool 1 Bravo Dome Carbon Dioxide Gas 640	¹⁰ Proposed Pool 2 96010
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¹¹ Work Type Code N	¹² Well Type Code C	¹³ Cable/Rotary R	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 4908.1
¹⁶ Multiple No	¹⁷ Proposed Depth 2600'	¹⁸ Formation Tubb	¹⁹ Contractor N/A	²⁰ Spud Date 5/15/03

²¹ 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

²² 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:	
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 1934-182

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% 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% 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% 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

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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 30-059-20406	Pool Code 96010	Pool Name BRAVO DOME CARBON DIOXIDE GAS
Property Code 27111	Property Name BRAVO DOME CARBON DIOXIDE GAS UNIT 1934	Well Number 182
OGRID No. 16696	Operator Name OXY USA INC.	Elevation 4908.1

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	18	19 N	34 E		1988'	SOUTH	460'	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 640	Joint or Infill 1	Consolidation Code	Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
635.60 OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<p>18</p> <p>NM-E NAD27 Lat - 35° 52' 32.73" Lon - 103° 22' 21.41"</p>	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p>Signature </p> <p>Printed Name David Stewart</p> <p>Title Sr. Regulatory Analyst</p> <p>Date 4/2/03</p>	
	<p>SURVEYOR CERTIFICATION</p> <p>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.</p> <p>Date of Survey March 20, 2003</p> <p>Signature and Seal of Professional Surveyor </p> <p>Jesse M. Martin</p> <p>Certificate Number 7911</p>	

CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

05/05/03 15:13:57
OGOMES -TP1R
PAGE NO: 1

Sec : 18 Twp : 19N Rng : 34E Section Type : NORMAL

1 39.02	C 40.00	B 40.00	A 40.00
Fee owned U	Fee owned U	Fee owned U	Fee owned U
2 38.94	F 40.00	G 40.00	H 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

317.96

CMD :
OG5SECTONGARD
INQUIRE LAND BY SECTION05/05/03 15:14:02
OGOMES -TP1R
PAGE NO: 2

Sec : 18 Twp : 19N Rng : 34E Section Type : NORMAL

3 38.86	K 40.00	J 40.00	I 40.00
Fee owned U	Fee owned U	Fee owned U A	Fee owned U
4 38.78	N 40.00	O 40.00	P 40.00
Fee owned U	Fee owned U	Fee owned U	Fee owned U

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

635.66