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

District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III

Date:

4/5/05

Phone:

432-685-5717

Oil Conservation Divsiion

Submit to appropriate District Office

1000 Rio Brazos Rd., Aztec, NM 87410 1220 S. St.						Fran	cis Dr.				
District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505  Santa I					Santa Fe, I	NM 8	87505		AME	NDED REPORT	
			RMIT T	O DRI	LL, RE-EN	TEF	R, DEEPEN,	PLUGBAC	K, OR ADD	A ZONE	
APPLICATION FOR PERMIT TO DRILL, RE-EI  Operator Name and Address									<sup>2</sup> OGRID Number		
OXY USA Inc.									16696		
P.O. Box 502		land, TX	79710-025	50			30- 021-	<sup>3</sup> API Number 20347	1		
	rty Code	Tune, in			<sup>5</sup> Property	Name		7 50- 021-		ll No.	
	111			o Dome (	Carbon Diox	ide G	as Unit 1933			.62 R	
9 Proposed Pool 1 Bravo Dome Carbon Dioxide Gas 640 96010								<sup>10</sup> Proposed F	Pool 2	···	
<sup>7</sup> Surface Location											
UL or lot no.	Section	Township	Range	Lot. Idn			North/South Line	Feet from the	East/West line	County	
К	16	19N	33E		1993	3-	south	1658	west	Harding	
<u> </u>	<u> </u>	<sup>8</sup> Pr	oposed E	ottom 1	Hole Locati	ion If	Different Fro	m Surface			
UL or lot no.	Section	Township	Range	Lot. Idn	Feet from	the	North/South Line	Feet from the	East/West line	County	
L	L	L	<u></u>	A	dditional W	ell L	ocation	<u>.l</u>		L	
11 Work Ty	pe Code	12	Well Type Cod	le	13 Cable/R						
	N		Ċ	R		S-		-LG2963	4936.8'		
<sup>16</sup> Mult	-	17	Proposed Dept						20 Spud Date		
Depth to ground			2600'	Distance from nearest fresh water we			urall T	N/A 5/1/05 Distance from nearest surface water		1/05	
Depin to ground	water	>100'	}	Distance in		000' S1000'					
Pit: Liner: Syr	nthetic X	12 mils th	ick Cla	y 🔲	Pit Volume1		bbls Drilling Met	hod:			
	oop System [		•	· — <del>-</del>			Vater X Brin		Oil-based 🔲	Gas/Air	
Ciosed-Le	oop system L		<sup>21</sup> F	Propose			ment Program		Jii-based	Gas/All	
Hole S	ize	Casin	g Size	1	g weight/foot	I	Setting Depth	Sacks of Cem	ent E	stimated TOC	
12-1/		8-5/8"		24#			700'	300sx		Surface —	
7-7/		5-1/2"		5.9#FG/15.5#			2600'	300sx		Surface	
, , , , , , , , , , , , , , , , , , , ,			<del></del>								
	<del></del>										
										<del></del>	
Describe the plow	proposed provout prevention	gram. If this a	pplication is any. Use add	to DEEPEN	N or PLUG BAC ts if necessary.	CK, giv	e the data on the pr	esent productive z	one and proposed	new productive zone.	
See Attachment											
}					0007111001		•				
23 11 23	4 . 4					f					
I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be						ØIL CONSERVATION DIVISION					
constructed according to NMOCD guidelines a general permit, or						1. / / / / /					
an (attached) alternative OCD-approved plan . Signature:						Approved by					
Printed name: David Stewart						Title:	DISTRIC	SUPER	/ISOR		
Title: Sr. Regulatory Analyst						-	oval Date: 4/11/	/ 5	Expiration Date:	4/11/06	
F-mail Address: david stewart@oxy com								L^		110,1	

Conditions of Approval:

Attached

## ATTACHMENT C-101 BDCDGU

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<sub>2</sub> + .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

District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 South First, Artesia, NM 88210 District III

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

State of New Mexico

Energy, Minerals & Natural Resources Department

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

1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

AMENDED REPORT

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## WELL LOCATION AND ACREAGE DEDICATION PLAT

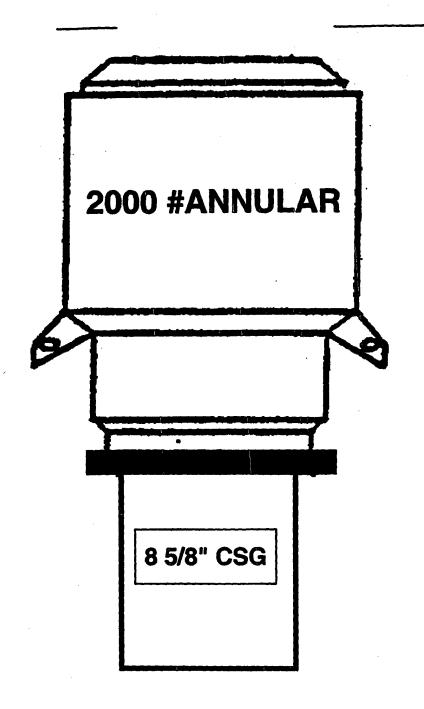
API Numb	ег	Pool Code	Pool Name				
		96010	BRAVO DOME CARBON DIO	XIDE GAS			
Property Code		Pro	operty Name	Well Number			
27111	BRAVC	DOME CARBON	DIOXIDE GAS UNIT 1933	162			
OGRID No.		Elevation					
16696		4936.8					
Confirm I and in							

## Surface Location

UL or lot no.	Section	Township	Range	Lot Idn.	Feet from the	North/South line	Feet from the	East/West line	County
K	16	19 N	33 E		1993'	SOUTH	1658'	WEST	HARDING
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
		<u> </u>							
Dedicated Acres Joint or Infill Consolidation Code Order No.									
1 . 45	1								

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

16			OPERATOR CERTIFICATION  I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.
		30-021-20170 PHA	Signature  David Stewart  Printed Name  Sr. Regulatory Analyst  Title  4(5)05
1658′	NM-E NAD27 Lat - 35° 52'31.74" Lon - 103° 26'23.34"		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.
	1993,		Date of Survey  Signature and Seal of Professional Surveyor  15079  Certificate Number 15079



**BRAVO DOME 2003 DRILLING PROJECT BOP DIAGRAM**