State of New Mexico Energy, Minerals & Natural Resources

istrict I 1025 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

Oil Conservation Divsiion 1220 S. St. Francis Dr. Submit to appropriate District Office

1220 S. St. Francis Dr.

Santa Fe, NM 87505

AMENDED REPORT

APPLIC	ATION	FOR I	PERMIT T	O DRII	LL, RE-EN	TEF	R, DEEPEN,	PLUGBACI	K, OR ADE	A ZONE	
APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, Operator Name and Address								² OGRID Number 16696			
OXY USA Inc.								3API Number			
P.O. Box 50250 Midland, TX 79710-0250								30- 021-	20 354		
⁴ Property Code Solution Series Seri											
⁹ Proposed Pool !							¹⁰ Proposed Pool 2				
Bravo Dome Carbon Dioxide Gas 640 96010						L					
⁷ Surface 1									,		
UL or lot no.	Section 34	Townshi	Range 32E	Lot, Idn Feet from t		- I	North/South Line	Feet from the 1692	East/West line	County	
<u> </u>	34	4 21N 32E 227 8 Proposed Bottom Hole Locat					South Different Fro		east	Harding	
UL or lot no.	Section			Lot. Idn Feet from					East/West line County		
Additional Well Location											
ll Work Ty	ne Code		12 Well Type Cod		13 Cable/R					evel Elevation	
N	ļ		C		R		S-L6389		4811.8'		
16 Multi Ne	-		Proposed Dept 2600	ih	18 Formation Tubb			Contractor N/A	²⁰ Spud Date 7/20/05		
Depth to ground		>100		Distance fro	from nearest fresh water well >1000'			Distance from nearest surface water >1000'			
Pit: Liner: Synthetic X 12 mils thick Clay Pit Volume 1750 bbls Drilling Method:											
Closed-Lo	op System	3			1	resh W	ater X Brin	e DieseVO	il-based 🔲	Gas/Air 🔲	
²¹ Proposed Casing and Cement Program											
Hole S	ize	(ng weight/foot		Setting Depth	Sacks of Ceme	t Estimated TOC		
12-1/4"		<u> </u>	8-5/8"		24#		700'	300sx	Surface		
7-7/8"		ļ	5-1/2" 5		5.9#FG/15.5#		2600'	300sx	Surface		
		 		 							
											
22 Describe the n	ronosed pros	ram. If the	nis application is	to DEEPEN	or PLUG BAC	K oive	the data on the or	esent productive zo	ne and proposed :	new productive zone.	
Describe the blow	out prevention	n progran	, if any. Use add	litional sheet	s if necessary.		, and date on the pr	osam providence so	as and proposed	new productive zone.	
!											
!					See Attach	moni	•				
					SOO Allaci	11110111					
l									_		
²³ 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						OIL CONSERVATION DIVISION					
constructed according to NMOCD guidelines \(\text{\text{\$\text{\$\sigma}\$}} \) a general permit \(\text{\$\text{\$\text{\$\color{o}\$}}} \), or an (attached) alternative OCD-approved plan \(\text{\$\text{\$\color{o}\$}} \).						Approved by:					
Signature: Printed name: David Stewart						Title: DISTRICT SUPERVISOR					
Title: Sr. Regulatory Analyst							Approval Date: 7/13/05 Expiration Date: 7/13/06				
E-mail Address: david stewart@oxy.com											
Date: Phone:					Conditions of Approval:						
7(205 432-685-5717			Attached								

District III 1000 Rio Brazos Rd., Aztec, NM 87410

811 South First, Artesia, NM 88210

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												
		Pool Code 96010			Pool Name BRAVO DOME CARBON DIOXIDE GAS							
Property Code 27111 BRAV			VO D	Property Name D DOME CARBON DIOXIDE				GAS UNIT 2132			Well Number 342	
OGRID No. 16696					Op	erator	Name SA INC.		;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;	Elevation 4811.8		
Surface Location												
UL or lot no.	Section	Township	Range	Lot Idn.	· ·		North/South line	Feet from the	.		County	
J	34	21 N	32 E	<u> </u>	2278		SOUTH	1692'	EAST H		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	EastWest	line	County	
Dedicated Acre	Toint	or Infill C	onsolidatio	r Code C	order No.		<u> </u>	<u></u>				
	<i>N</i>	- 1	70115011CIALIO	n code	otder No.							
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												
34	}					1		OPERA	ATOR (CERTI	IFICATION	
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	<u> </u>											
									7. 6	5		
			Signature						-			
			ļ				Printed Name	Printed Name				
						}		11	Sr. Regulatory Analyst			
								Title				
								Date	7/12	-105	·	
	<u> </u>				2_	}	1602/	- (1			FICATION	
	1					1	1692′				shown on this plat surveys made by	
	}				623	\ 	NM-E NAD27 Lat - 36°00'19,52" Lan - 103° 30'49,11"		ny supervisio	n, and that	the same is true	
							2011 - 103 30 49.11	and correct to	المستولك ل	s, 2 QC	D5	
 				J				Date of Survey	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	J. ASS	<u> </u>	
[. €	1		Signature and	- 1 ON	~\^C_\	1 (
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						! !		Certificate Nun	nber 150	NONASE 179	7	

ATTACHMENT C-101 BDCDGU

PROPOSED TD:

2600' TVD

BOP PROGRAM:

0-7001

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% CaCl₂ + .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'

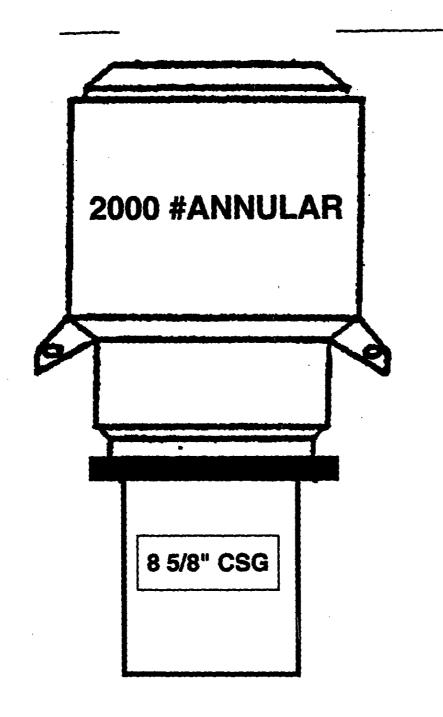
Fresh water/native mud.

Wt 8.6-9.2ppg, Vis 32-36sec

700-26001

Fresh water/Starch/Gel pH control as needed.

Wt 9.0-9.2ppg, Vis 28-29sec



BRAVO DOME 2003 DRILLING PROJECT BOP DIAGRAM