District I

1625 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

State of New Mexico, Fire Energy, Minerals & Natural Resource

Form C-101 May 27, 2004

Oil Conservation Divsiion 1220 S. St. Francis Dr.

Santa Fe, NM 87505

APR 1 1 2000 mit to appropriate District Office

Oil Conservation Division 1220 S. St. Francis Drive AMENDED REPORT

APPLIC	CATION	FO	R PEJ	RMIT TO	o drj	LL, RE-EN	ITEF		PLUGBACK		A ZONE		
APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DE									² OGRID Number 16696				
OXY USA Inc.								†	3 API Number				
P.O. Box 502	250 Mid	II and	1, TX 7	79710-0250	0				30- 021-	20394	/		
⁴ Property Code ⁵ Property							Name			⁶ Well No.			
271	111		<u></u>		avo Dor	me Carbon Di	oxide	e Gas Unit 19	1 32	20	ما ام		
9 Proposed Pool 1 Bravo Dome Carbon Dioxide Gas 640 96010							10 Proposed Pool 2						
						⁷ Surface L	_ocat	ion					
UL ar lot no.	Section	Tov	wnship	Range	Lot. Idn	n Feet from th	he	North/South Line	Feet from the	East/West line	County		
J	26	1	N P)	32 E		1700		South	<i>0</i> 07]	east	Harding		
			8 Pro	oposed B	ottom	Hole Locati	on If	Different From	m Surface				
UL or lot no.	Section	Tov	Township Range		Lot, Idir			North/South Line	Feet from the	East/West line	County		
<u></u>		<u></u>			A	Additional We		ocation					
11 Work Ty	pe Code		12 -	Well Type Code	.c	13 Cable/Ro	otary	otary 14 Lease Type Code 15 Ground Level Elevation					
]	Ň]	l	С		R			LG4621		<u> ३</u> ६.५'		
¹⁶ Mult	-	- 1	17	Proposed Depth	a l	18 Formati		19 C	Contractor		ud Date		
	lo		<u> </u>	2600'		Tubl			N/A		1,107		
Depth to ground	water	>100	0'		Distance of	from nearest fresh v >10	water v	vell 1	Distance from neare	est surface water >1000'			
Pit: Liner: Syr	nthetic X	12	mils thi	nick Clay	<u> </u>	Pit Volume 40	000	bbls Drilling Meth	nođ:				
)	oop System							Vater X Brine		il-based	Gas/Air 🔲		
	WF -7:			<u>21</u> F	ropos			ment Program					
Hole S	Size	\top	Casin	ng Size		ng weight/foot	Setting Depth Sacks of Cernent Estimated TOC						
12-1/		+	8-5		24#		 	700'	300sx	Surface			
	7-7/8"			1/2"	5.9	5.9#FG/15.5#		2600'	300sx		Surface		
											·————————		
22 Describe the	proposed pro	oeram.	If this a	onlication is t	to DEEPF	N or PLUG BAC	K. giv	e the data on the pre	sent productive zo	ne and proposed	new productive zone.		
Describe the blov							, re-re-	C time ways are and	gone browns	Its dans proportion	new productive action		
1			-	-									
}						See Attach	hmen	it					
							I Direct						
[
							T						
I hereby certify	y that the into	irmatic	on given a	above is true a	ind comple	lete to the best of	OIL CONSERVATION DIVISION						
my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines a general permit , or													
an (attached) alternative OCD-approved plan							Approved by:						
Printed name: David Stewart							Title: DISTRICT SUPERVISOR						
Title: Sr. Regulatory Analyst							Approval Date: 4-/2-07 Expiration Date: 4-/2-08						
E-mail Address: david_stewart@oxy.com													
Date:				Phone:				Conditions of Approval:					
1 4/2/07			432-685-5717]	Language Control of the Control of t					

ATTACHMENT C-101' BDCDGU 1932-761

PROPOSED TD:

2600' TVD

BOP PROGRAM:

0-700'

None

700-26001

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% CaCl₂ + .25#/sx Poly E Flake, (WT-11.1ppg, Yld-3.27cf/sx, FW-20.47g/sx) followed by 150sx Premium Plus with 3% CaCl₂ + .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

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

1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico Energy, Minerals & Natural Resources Department

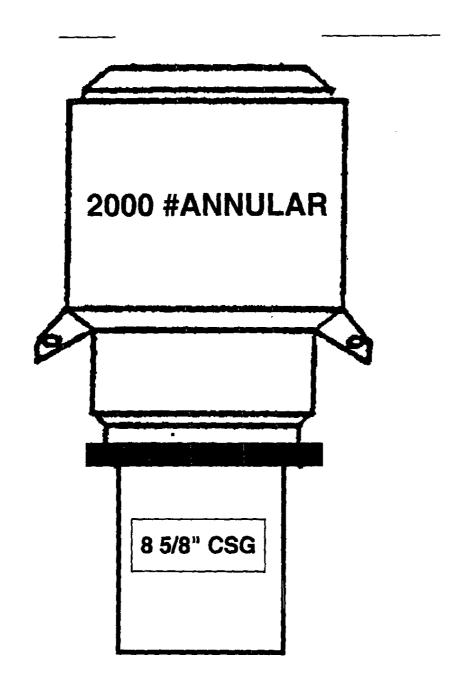
OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505 Form C-102
Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

Certificate Number 15079

District IV 2040 South Pacheco, Santa Fe, NM 87505

AMENDED REPORT

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		WE.	LL LO			REAGE DEDI	CATION P	<u>LAT</u>			
	er • -		Pool Co		Pool Name						
30-021-	394		9601		BRAVO DOME CARBO						
Property			40 00	N.45 0	-	y Name	70	Well Number			
2711		BRA	70 DC	IME C		DIOXIDE GAS UNIT 193 perator Name			32 261 Elevation		
0GRID 1669	•				-	SA INC.			4736.4		
1009			<u> </u>		Location			<u>l,</u>	7 7 0 0 . 4		
UL or lot no.	Section	Township	Range	Lot Idn.	Feet from the		Feet from the	East/West	line	County	
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UL or lot no.	Section	Township	Range	Lot Idn.	Feet from the		Feet from the	East/West	line	County	
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Dedicated Acre	es Joint	or Infill	l Consolidatio	n Code (Order No.						
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		OR A	NON-ST	ANDARD	UNIT HAS	BEEN APPROVED	BY THE DIV	<u>ISION</u>			
26	1						∥ OPER	ATOR	CERT	IFICATION	
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	Ì						ll due and com	piete to the t	ocsi oi my i	diowiedge and benez.	
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<u> </u>							1.5	-			
						Signature	Signature David Stewart				
}					 	Printed Nam	Printed Name				
							Sr.	Regula	tory	Analyst	
]] 	,					<u> </u>	Title	५ (१ (07		
							Date				
					NAD27 35° 50'44.71"		SURV	EYOR	CERT	IFICATION	
]]				Lon -	103° 30'16.30" 745633.47					shown on this plat	
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					1700	J L		Serry Clarl 2/9/2007 Terry Asel			
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								JTerr	y As	el	



BRAVO DOME 2003 DRILLING PROJECT BOP DIAGRAM

80

Bravo Dome Unit Location and Pit Design Cheyenne Rig 8

Bravo Dome Unit Cellar and Sump Pit Cheyenne Rig 8

