District_I 1625 N. French Dr., Hobbs, NM 88240 District II Submit to appropriate District Office 1301 W. Grand Avenue, Artesia, NM-88210 District III
1000 Rio Brazos Rd., Aztec, NM 87410 EIVED Oil Conservation Divsiion 1220 S. St. Francis Dr. District IV AMENDED REPORT 1220 S. St. Francis Dr., 2003 FAPA 2105 PM 3 56 Santa Fe, NM 87505 APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE Operator Name and Address ² OGRID Number 16696 OXY USA Inc. ³ API Number Midland, TX 79710-0250 P.O. Box 50250 30-059-⁴Property Code ⁵Property Name Well No. Bravo Dome Carbon Dioxide Gas Unit 2332 27111 231 9 Proposed Pool 1 ¹⁰ Proposed Pool 2 96010 Bravo Dome Carbon Dioxide Gas 640 Surface Location Lot. Idn Feet from the North/South Line Feet from the UL or lot no. Section Township Range East/West line County 23 23 N 32 E North 1700 east Union G 1700 Proposed Bottom Hole Location If Different From Surface Township Lot. Idn Feet from the North/South Line Feet from the East/West line UL or lot no. Section County Additional Well Location 12 Well Type Code 13 Cable/Rotary 14 Lease Type Code Work Type Code 15 Ground Level Elevation C 5-LG2976 N R 5322.1 16 Multiple 18 Formation 20 Spud Date 17 Proposed Depth 9 Contractor 2600 6/15/08 Tubb N/A No Depth to ground water Distance from nearest fresh water well Distance from nearest surface water >100 >1000 >1000 12 Liner: Synthetic X. Pit: __ mils thick Clay _ bbls Drilling Method: Fresh Water X Diesel/Oil-based Closed-Loop System Brine Gas/Air [___] ²¹Proposed Casing and Cement Program Casing Size Casing weight/foot Setting Depth Sacks of Cement Estimated TOC Hole Size 8-5/8" 12-1/4" 24# +/-750' 400sx Surface 7-7/8" 5-1/2" 5.9#FG/15.5# +/-2600' 550sx Surface 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 Attachment ²³ I hereby certify that the information given above is true and complete 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 X a general permit ____, or Approved by: an (attached) alternative OCD-approved plan Signature: Printed name: David Stewart Title: Sr. Regulatory Analyst Approval Date: Title: **Expiration Date:** E-mail Address: david stewart@oxy.com Date: Phone: Conditions of Approval: 432-685-5717 Attached

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

District IV 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

API Numb	er	Pool Code	Pool Name				
30-059-20	5/3	96010	BRAVO DOME CARBON DIO	XIDE GAS 640			
Property Code		Pro	operty Name	Well Number			
27111	BRAVO	DOME CARBON	DIOXIDE GAS UNIT 2332	231			
OGRID No.		Op	erator Name	Elevation			
16696		5322.1					

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn.	Feet from the	North/South line	Feet from the	East/West line	County
G	23	23 N	32 E		1700'	NORTH	1700'	EAST	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
						:				
Г	Dedicated Acre	s Joint o	or Infill (Consolidation	Code C	rder No.			······································	
	640	1								

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED

	OK A NON-STANDARD UNIT IL	D. DEEN- AI-L-KO-VED_D	THE DIVISION
23			OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.
	NM-E NAD27 Lat - 36° 12'45.04 Lon - 103° 29'42.3 X - 747279.94 Y - 1897650.14		Signature David Stewart Printed Name Sr. Regulatory Analyst Title 4 1008
			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. Date of Survey ME Signature and San of Professional surveyor 15079 Certificate Number 15079

Bravo Dome CO2 wells - 2008

CASING:

MD (ft)	Hole Size (in)	Csg Size (in)	Wt (Ib/ft)	Grd	Cplg
0 - ±750	12-1/4	8-5/8	24	J55	STC
0 - ± 2440	7-7/8	5-1/2 FG	5.9	FG	10 Rd
2440 - ± 2600	/ _~ //X		15.5	J55	LTC ·

CEMENT:

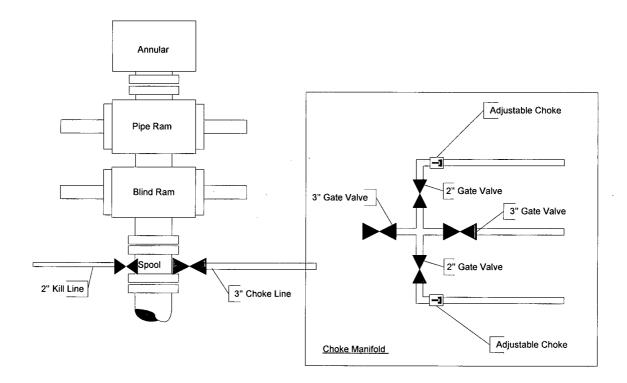
Surface:

			Cem	nt Design			
Slurry	Weight (ppg)	TOC (feet)	BOC (feet)		Slurry Volume (Bbls)	Cement Required (sx.)	Comment
Lead	14.8	Surface	750		96	400	TOC ±surface
			Le	d Slurry			
Premium Plus CaCl Poly E Flake Slurry Yield Mix Water Mix Water So					0.1: 1. 6.3	00 sx 2% 25 lb/sx 35 cfs gal/sx shwater	

Production:

·	Cement Design									
Slurry	Weight (ppg)	TOC (feet)	BOC (feet)		·	Slurry Volume (Bbls)	Cement Required (sx.)	Comment		
Lead	11.1	0	±1830			233	400	TOC to Surface		
Tail	13.2	±1830	2600			50	150	TOC ±600' above Cimarron		
	Lead Slurry Tail Slurry									
Premium Plus CaCl Poly E Flake Slurry Yield Mix Water		3 0.129 3.20 20.56	0 sx 3% 5 lb/sx 8 cfs 5 gal/sk		CaCl 3 Poly E Flake 0.12 Slurry Yield 1.8 Mix Water 9.99			50 sx 3% 25 lb/sx 36 cfs) gal/sk		
Mix Water So	urce	Fresh	hwater		Mix Water S	Source	Fres	hwater		

9" BOP - 3000psi



110 80 e, deep 25 120' 9 5' deep 80 4' deep 55 120,

Bravo Dome Unit Location and Pit Design Cheyenne Rig 8

Bravo Dome Unit Cellar and Sump Pit Cheyenne Rig 8

