State of New Mexico

Submit to appropriate District Office

1000 Rio Brazos R	ld., Azlec, N	M 874	10-1	v L D		1220 S. St.	. Frar	ncis Dr.					
District IV 1220 S. St. Franci	is Dyn Spintall	ite, Nim	4 8750	ጣ 12 2	5	Santa Fe, 1	NM	87505		AME	ENDED REPORT		
APPLIC	CATION	FOI	R PE	RMIT T	O DRI	LL, RE-E	NTE	R, DEEPEN,	PLUGBAC	CK, OR ADI) A ZONE		
				ator Name and						² OGRID Numbe 16696			
OXY USA Inc.										³ API Number			
P.O. Box 502		land	. TX 7	79710-025	0ر				30- 021-	30-021-20482			
⁴ Proper 271	rty Code		İ	Br	cavo Dor	⁵ Property: me Carbon Di		e Gas Unit (930	6We	ell No.		
4 r a		9 Pror	osed Po		440 50		10/	c duo oiiio ,	¹⁰ Proposed		<u> </u>		
Bravo Dome	: Carbon					96010							
						⁷ Surface I	Locat	tion					
UL or lot no.	Section	Town	•	Range	Lot. Idn			North/South Line	Feet from the	East/West line	County		
F	26	् (व	\ N	30 E		1700		north	1700	west	Harding		
	•		⁸ Pro	oposed B	<u>sottom</u>	Hole Locati	ion If	f Different Fro	om Surface		•		
UL or lot no.	Section	Town	ıship	Range	Lot. Idn	n Feet from t	the	North/South Line	Feet from the	East/West line	County		
					A	dditional W	ell L	ocation					
11 Work Typ			12 1	Well Type Code	.e	13 Cable/R	21				Level Elevation		
N 16 Multi	•	\dashv	17	C Proposed Depth		R 18 Format			OSS25-1		oud Date		
No.			. 1	2600'	,	Tub			N/A		lao(08		
Depth to ground					Distance fr	rom nearest fresh		vell		arest surface water	·pc (-c		
Pit: Liner: Synthetic mils thick Clay Pit Volume bbls Drilling Method:													
	Closed-Loop System Fresh Water Brine Diesel/Oil-based Gas/Air												
Closed: Do	— System _			<u>21</u> F	ropose			ment Program					
Hole Si	ize	\Box	Casing			g weight/foot	1	Setting Depth	Sacks of Cen	nent E	stimated TOC		
12-1/-	4 "	†	8-5/		24#			+/-750'	400sx		Surface		
7-7/8	3"		5-1/	/2"	5.9#	#FG/15.5#		+/-2600'	550sx		Surface		
		1											
Describe the p Describe the blow									esent productive	zonc and proposed	new productive zone.		
²³ I hereby certify my knowledge and						ete to the best of		OIL C	CONSERVA	TION DIVISI	ON		
constructed accor an (attached) alto	rding to NM	OCD g	guideline	ies		rmit , or	Appr	oved by:	10 m	_ .			
Signature: Printed name: Da	yet Stow	125 120+					Title:	nig:	COINT CII	la Renvient	4		
	r. Regula		Analy	 vst			1	oval Date: $\frac{1}{2}$	MUI DU	EXVISUR Expiration Date:	7/21-11		
E-mail Address:							, App.	ovar Date.	.J /U#	Ехрианоп Бак.	1/23/10		
Date:	,		- i	Phone:			Cond	litions of Approval:					
7/11	(08			432	2-685-57	717	Attac	shed 🔽					

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

1000 Rio Brazos Rd., Aztec, NM 87410

District III

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

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

Fee Lease – 3 Copies

District IV					Santa F	e, N	M 87505			Fee L	ease – 3 Copies
2040 South Pach	eco, Santa F	e, NM 87505	5							AMEN	DED REPORT
		WE	LL LO	CATIC	ON AND	ACI	REAGE DEDIC	CATION PI	LAT	·	
	API Numb	er		Pool (Code			Pool N	ame		
30-021-	20	482		960	010		BRAVO DO	ME CARBO	ON DIO	XIDE	GAS 640
Property	Code				Pro	perty	Name				Well Number
2711	1	BRAV	/O DC	ME (CARBON	DI	OXIDE GAS	UNIT 19.	<i>30</i>		261
OGRID	No.				Op	erator	Name				Elevation
1669	6				OXY	US	SA INC.			4	1476.3
					Sur	face	Location				
UL or lot no.	Section	Township	Range	Lot Idr	n. Feet from	the	North/South line	Feet from the	East/West	line	County
F	26	19 N	30 E		1700) <i>'</i>	NORTH	1700'	WE	ST	HARDING
			Botte	om H	Iole Locati	on	If Different Fro	om Surface			
UL or lot no.	Section	Township	Range	Lot Idr	1. Feet from	the	North/South line	Feet from the	East/West	line	County
[
Dedicated Acre	s Joint	or Infill (Consolidation	Code	Order No.						
640	1	7									
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											
26	1	OK A	11011-51	ANDAK	D ONII III		LEIV MITROVED	7		ODDO	**************************************
20	1					1		11			IFICATION
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<u> </u>	·							$-\ $	Pa. s	74	
11		1						Signature	David	J C4	
1	700′—							David Stewart Printed Name			
H	[NM-E NA	D27 51'02.59''					Sr.	Regula	tory	Analyst
1	J	Lon - 103° X - 6800°	° 43'33.20''			ļ		Title			-
ll Li		Y - 17654				1		Date	7/10	(
I											
 	-					- !		SURV	EYOR	CERT	IFICATION
	İ					ļ		ii '			shown on this plat
								14 -			nd surveys made by nt the same is true
								and correct to	the best of	my belief.	
	ļ							Date of Surve	April	#,28	08
						-		Signature and	Seal of Roo	GAAGO I	rievon
}}	1							- 11	> / S	5079	17,01
										5079)	1)21
										411.	SURVEYOR

Certificate Number

Bravo Dome CO2 wells - 2008

CASING:

MD (ft)	Hole Size (in)	Csg Size (in)	Wt (lb/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	7-7/8	5-1/2 Steel	15.5	J55	LTC

CEMENT:

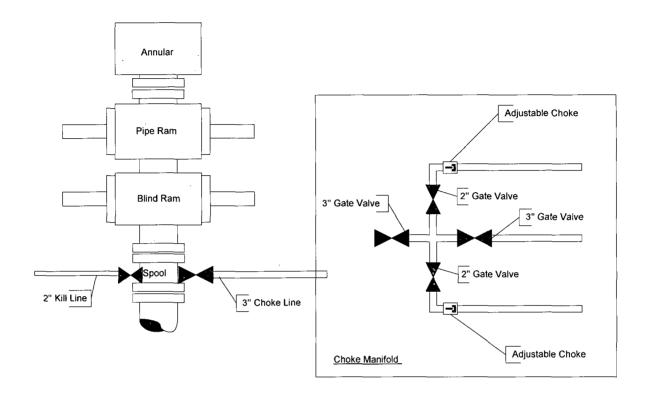
Surface:

	Cement Design											
Slurry	Weight (ppg)	TOC (feet)	BOC (feet)		Slurry Volume (Bbls)	Cement Required (sx.)	Comment					
Lead	14.8	Surface	750		96	400	TOC ±surface					
				nd Slurry								
Premium Plus CaCl Poly E Flake Slurry Yield Mix Water Mix Water Sour	ce				0.1 1. 6.3	00 sx 2% 25 lb/sx 35 cfs 3 gal/sx shwater						

Production:

Production:										
			Ce	men	t Design					
Slurry	Weight (ppg)	TOC (feet)	BOC (feet)			Slurry Volume (Bbls)	Cement Required (sx.)	Comn	nent	
Lead	11.1	0	±1830			233	400	TOC Surface	to	
Tail	13.2	±1830	2600			50	150	TOC above Cimarro	±600' n	
	Lead :	Slurry			Tail Slurry					
Premium Plus CaCl Poly E Flake	;	3	0 sx 3% 5 lb/sx		Premium Pl CaCl Poly E Flake			150 sx 3% 0.125 lb/sx		
Slurry Yield Mix Water Mix Water So	urce	20.56	8 cfs 6 gal/sk hwater		Slurry Yield Mix Water Mix Water S		1.86 cfs 9.99 gal/sk Freshwater			

9" BOP - 3000psi



New Mexico Energy, Minerals and Natural Resources Department

Bill Richardson

Governor

Joanna Prukop Cabinet Secretary Reese Fullerton Deputy Cabinet Secretary Mark Fesmire
Division Director
Oil Conservation Division



July 25, 2008

OXY USA, Inc. P.O. Box 50250 Midland, TX 79710-0250

Re:

APD for Bravo Dome C02 Gas Unit Well # 1930-261F

API Number 30-021-20482

Gentlemen:

The application to drill for the above well is hereby approved with the following conditions:

- 1. Any material excavated during the construction of the reserve pit will be stockpiled at least 300 feet from any continuously flowing water course, and at least 200 feet from any other water course.
- 2. Any liquids that are removed from the reserve pit prior to closure, that are not recycled, will be disposed of in one of the NMOCD-approved OXY SWD wells located within the unit.
- 3. In the event that any free liquids in the reserve pit cannot be removed within 30 days after the drilling rig is released, OXY will notify the OCD District 4 office of that fact.
- 4. It is understood by the NMOCD that the land owner, Mr. Terry Mitchell, has been verbally advised of OXY's intent to close the reserve pit on site. When Mr. Mitchell is formally advised, documentation of that notification will be forwarded to the NMOCD District 4 office.
- 5. OXY shall file a deed notice identifying the location of the on-site burial with the county clerk in the county where the on-site burial occurs.

If you have any questions, please contact me.

NEW MEXICO OIL CONSERVATION DIVISION

Ed Martin

District 4 Supervisor

Martin

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Department
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

For temporary pits, closed-loop systems, and below-grade tanks, submit to the appropriate NMOCD District Office.

For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

Pit, Closed-Loop System, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application

Proposed Alternative Method	Permit or Closure Plan Application					
	ystem, below-grade tank, or proposed alternative method system, below-grade tank, or proposed alternative method					
Instructions: Please submit one application (Form C-144) per in	dividual pit, closed-loop system, below-grade tank or alternative request					
	ability should operations result in pollution of surface water, ground water or the ply with any other applicable governmental authority's rules, regulations or ordinances.					
Operator: _OXY USA Inc.	OGRID #: 16696					
Address: P.O. Box 303 Amistad NM 88410						
Facility or well name:						
API Number: 30 -021-20482	OCD Permit Number:					
U/L or Qtr/Qtr 1700 FNL 1700 FEL G-26-19-30 Section 26	Township 19N Range 30E County: Harding					
Center of Proposed Design: Latitude 35 51' 02.59" Longitude 10.	3 43' 33.20" NAD: □1927 ⊠ 1983					
Surface Owner: Federal State Private Tribal Trust or Indian	Allotment					
Pit: Subsection F or G of 19.15.17.11 NMAC	Closed-loop System: Subsection H of 19.15.17.11 NMAC					
Temporary: ⊠ Drilling □ Workover	☐ Drying Pad ☐ Tanks ☐ Haul-off Bins ☐ Other					
☐ Permanent ☐ Emergency ☐ Cavitation ☐ Steel Pit	Lined Unlined					
☑ Lined ☐ Unlined	Liner type: Thicknessmil					
Liner type: Thickness 20mil LLDPE HDPE PVC	☐ Other					
☐ Other String-Reinforced	Seams: Welded Factory Other					
Seams: Welded Factory Other	Volume:bblyd ³					
Volume: 1525bbl Dimensions: L 80' x W 80' x D 10'	Dimensions: Lengthx Width					
Below-grade tank: Subsection I of 19.15.17.11 NMAC	Fencing: Subsection D of 19.15.17.11 NMAC					
Volume:bbl	☐ Chain link, six feet in height, two strands of barbed wire at top					
Type of fluid:	Four foot height, four strands of barbed wire evenly spaced between one and					
Tank Construction material:	four feet					
☐ Secondary containment with leak detection	Netting: Subsection E of 19.15.17.11 NMAC					
☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off	Screen Netting Other					
☐ Visible sidewalls and liner	☐ Monthly inspections					
☐ Visible sidewalls only	Signs: Subsection C of 19.15.17.11 NMAC					
Other	12'x24', 2' lettering, providing Operator's name, site location, and					
Liner type: Thicknessmil HDPE PVC	emergency telephone numbers					
Other	Signed in compliance with 19.15.3.103 NMAC					
Alternative Method: Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	Administrative Approvals and Exceptions: Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance. Please check a box if one or more of the following is requested, if not leave blank: Administrative approval(s): Requests must be submitted to the appropriate division district or the Santa Fe Environmental Bureau office for consideration of approval.					
	Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.					

Siting Criteria (regarding permitting): 19.15.17.10 NMAC Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drying pads or above-grade tanks associated with a closed-loop system.							
Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ⊠ No						
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ⊠ No						
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (Applies to temporary, emergency, or cavitation pits and below-grade tanks) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ⊠ No ☐ NA						
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (Applies to permanent pits) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ⊠ No ☐ NA						
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ⊠ No						
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes 🏻 No						
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☑ No						
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division							
 Within an unstable area. Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map 	☐ Yes ⊠ No						
Within a 100-year floodplain FEMA map	☐ Yes ⊠ No						
Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the dattached. ☐ Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC ☐ Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.12 ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC ☐ Design Plan - based upon the appropriate requirements of 19.15.17.12 NMAC ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.19 NMAC ☐ Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC ☐ Previously Approved Design (attach copy of design) API Number:	9 NMAC						
Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC							
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the deattached. Geologic and Hydrogeologic Data (required for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of Siting Criteria Compliance Demonstrations (required for on-site closure) - based upon the appropriate requirements of 19.15.17.10 Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC Previously Approved Design (attach copy of design) API Number:	19.15.17.9						

Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC											
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the do- attached.	cuments are										
Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Climatological Factors Assessment											
 ☐ Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC ☐ Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC ☐ Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC ☐ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC ☐ Quality Control/Quality Assurance Construction and Installation Plan ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC 	 □ Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC □ Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC □ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC □ Quality Control/Quality Assurance Construction and Installation Plan □ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC □ Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC 										
Treeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.13.17.11 NMAC Nuisance or Hazardous Odors, including H₂S, Prevention Plan Emergency Response Plan Oil Field Waste Stream Characterization Monitoring and Inspection Plan Erosion Control Plan											
Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC											
Proposed Closure: 19.15.17.13 NMAC											
Type: 🛮 Drilling 🗌 Workover 🗎 Emergency 🗋 Cavitation 📋 Permanent Pit 📋 Below-grade Tank 🔲 Closed-loop System 🗀	Alternative										
Proposed Closure Method: Waste Excavation and Removal Waste Removal (Closed-loop systems only) On-site Closure Method (Only for temporary pits and closed-loop systems) In-place Burial On-site Trench Burial											
Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for con	sideration)										
Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.											
Ground water is less than 50 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☑ No ☐ NA										
Ground water is between 50 and 100 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No										
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☒ No ☐ NA										
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ⊠ No										
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ⊠ No										
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	☐ Yes ☒ No										
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☒ No										
Within 500 feet of a wetland US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☒ No										
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☒ No										
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☑ No										
Within a 100-year floodplain.	☐ Yes ☒ No										

Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 No closure plan. Please indicate, by a check mark in the box, that the docume □ Protocols and Procedures - based upon the appropriate requirements o □ Confirmation Sampling Plan (if applicable) - based upon the appropriate □ Disposal Facility Name and Permit Number (for liquids, drilling fluids) □ Soil Backfill and Cover Design Specifications - based upon the appropriate Re-vegetation Plan - based upon the appropriate requirements of Subs □ Site Reclamation Plan - based upon the appropriate requirements of Subs	Ints are attached. f 19.15.17.13 NMAC ate requirements of Subsection F of 19.15.17.13 NMAC s and drill cuttings) briate requirements of Subsection H of 19.15.17.13 NMAC ection I of 19.15.17.13 NMAC
Waste Removal Closure For Closed-loop Systems That Utilize Haul-off	Bins Only: (19.15.17.13.D NMAC) Instructions: Please indentify the facility
or facilities for the disposal of liquids, drilling fluids and drill cuttings.	
Disposal Facility Name:	Disposal Facility Permit Number:
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each	h of the following items must be attached to the closure plan. Please indicate,
by a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate Proof of Surface Owner Notice - based upon the appropriate requiremed Construction and Design of Burial Trench (if applicable) based upon Protocols and Procedures - based upon the appropriate requirements of Confirmation Sampling Plan (if applicable) - based upon the appropriate requiremed Waste Material Sampling Plan - based upon the appropriate requiremed Disposal Facility Name and Permit Number (for liquids, drilling fluids Soil Cover Design - based upon the appropriate requirements of Subset Re-vegetation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Reclamation Plan - based upon the appropriate requirements of Subset Reclamation Plan - based upon the appropriate requirements of Subset Reclamation Plan - based upon the appropriate requirements of Subset Reclamation Plan - based upon the appropriate requirements of Subset Reclamation Plan - based upon the appropriate requirements of Subset Reclamation Plan - based upon the appropriate requirements of Subset Reclamation Plan - based upon the appropriate requirements of Subset Reclamation Plan - based upon the appropriate requirements of Subset Reclamation Plan - based upon the appropriate requirements of Subset Reclamation Plan - based upon the appropriate requirements of Subset Reclamation Plan - based upon the appropriate requirements of Subset Reclamation Plan - based upon the appropriate requirements of Subset Reclamation Plan - based upon the appropriate requirements of Subset Reclamation Plan - based upon the appropriate requirements of Subset Reclamation Plan - based upon the appropriate requirements of Subset Reclamation Plan - based upon the appropriate requirements of Subset Reclamation Plan - based upon the appropriate requirements of Subset Reclamation Plan - based upon the appropriate requirements of Subset Reclamation Plan - based	ents of Subsection F of 19.15.17.13 NMAC the appropriate requirements of 19.15.17.11 NMAC f 19.15.17.13 NMAC ate requirements of Subsection F of 19.15.17.13 NMAC ents of Subsection F of 19.15.17.13 NMAC s and drill cuttings or in case on-site closure standards cannot be achieved) ection H of 19.15.17.13 NMAC ection I of 19.15.17.13 NMAC
Operator Application Certification:	
I hereby certify that the information submitted with this application is true, a	accurate and complete to the best of my knowledge and belief.
Name (Print): James E. Corley	Title: Operations team Leader
Signature:	Date:
e-mail address: eddie corley@oxy.com	Telephone: (575) 799-6849
OCD Approval: Permit Application (including closure plan) Closure	ure Plan (only)
OCD Representative Signature:	Approval Date: 7/25/08
Title: DISTRICT SUPERVISOR	OCD Permit Number:
Closure Report (required within 60 days of closure completion): Subsect	ction K of 19 15 17 13 NMAC
Closure report (required within 00 days of closure completion).	Closure Completion Date:
Closure Method: ☐ Waste Excavation and Removal ☐ On-Site Closure Method ☐ A ☐ If different from approved plan, please explain.	Iternative Closure Method
Closure Report Attachment Checklist: Instructions: Each of the following mark in the box, that the documents are attached.	ing items must be attached to the closure report. Please indicate, by a check
 □ Proof of Closure Notice □ Proof of Deed Notice (if applicable) □ Plot Plan □ Confirmation Sampling Analytical Results □ Waste Material Sampling Analytical Results □ Disposal Facility Name and Permit Number □ Soil Backfilling and Cover Installation □ Re-vegetation Application Rates and Seeding Technique □ Site Reclamation (Photo Documentation) 	ongitude NAD: □1927 □ 1983
 □ Proof of Closure Notice □ Proof of Deed Notice (if applicable) □ Plot Plan □ Confirmation Sampling Analytical Results □ Waste Material Sampling Analytical Results □ Disposal Facility Name and Permit Number □ Soil Backfilling and Cover Installation □ Re-vegetation Application Rates and Seeding Technique □ Site Reclamation (Photo Documentation) On-site Closure Location: Latitude	ongitude NAD:
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District I 1625 N. French Dr., Hobbs, NM 88240 District II 8H South First, Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410

2040 South Pacheco, Santa Fe, NM 87505

District IV

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

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Pit Design and Construction Plan

In accordance with Rule 19 15 17 the following information describes the design and construction of temporary pits on Occidental Permian Ltd (OXY) locations. This is OXY's standard procedure for all temporary pits. A separate plan will be submitted for any temporary pit which does not conform to this plan.

- 1. OXY will design and construct a temporary pit to contain liquids and solids and prevent contamination of fresh water and protect public health and environment.
- 2. Prior to constructing the pit, topsoil will be stockpiled in the construction zone for later use in restoration.
- 3. OXY will post a well sign, not less than 12" by 24", on the well site prior to construction of the temporary pit. The sign will list the operator on record as the operator, the location of the well site by unit letter, section, township range, and emergency telephone numbers.
- 4. OXY shall construct all new fences utilizing 4 strand barbed wire. T-posts shall be installed every 12 feet and corners shall be anchored utilizing a wooded posts. Entire location including pits will be fenced at all times.
- 5. OXY shall construct the temporary pit so that the foundation and interior slope are firm and free of rocks, debris, sharp edges or irregularities to prevent liner failure.
- 6. OXY shall construct the pit so that the slopes are no steeper than two horizontal feet to one vertical foot.
- 7. Pit walls will be walked down by a crawler type tractor following construction.
- 8. All temporary pits will be lined with 20-mil, string reinforced, LLDPE liner, complying with EPA SW-846 method 9090A requirements.
- 9. Geotextile will be installed beneath the liner when rocks, debris, sharp edges or irregularities cannot be avoided.



- 10. All liners will be anchored in the bottom of a compacted earth-filled trench at least 18 inches deep.
- 11. OXY will minimize liner seams and orient them up and down, not across a slope. Factory seams will be used whenever possible. OXY will ensure all field seams are welded by qualified personnel. Field seams will be overlapped four to six inches and will be oriented parallel to the line of maximum slope. OXY will minimize the number of field seams in corners and irregularly shaped areas.
- 12. The liner shall be protected from and fluid force or mechanical damage through the use of mud pit slides, or a manifold system.
- 13. The pit shall be protected form run-off by constructing and maintaining diversion ditches around the location or around the perimeter of the pit in some cases.
- 14. The volume of the pit shall not exceed 10 acre-feet, including freeboard.
- 15. Temporary blow pits will be constructed to allow gravity flow to discharge into the lined drill pit.
- 16. The lower half of the blow pit (nearest lined pit) will be lined with 20 mil liner. The upper half of the blow pit will remain unlined as allowed in Rule 19 15 17 11 F 11.
- 17. OXY will not allow freestanding liquids to remain on the unlined portion of the blow pit.

30, 75' 110 ,08 Bravo Dome Unit Location and Pit Design Capstar Rig 10 120' 40, Drilling Pit 80, 10, **.** 120'

New Mexico Office of the State Engineer POD Reports and Downloads

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AVERAGE DEPTH OF WATER REPORT 07/11/2008

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New Mexico Office of the State Engineer POD Reports and Downloads

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AVERAGE DEPTH OF WATER REPORT 07/11/2008

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New Mexico Office of the State Engineer POD Reports and Downloads

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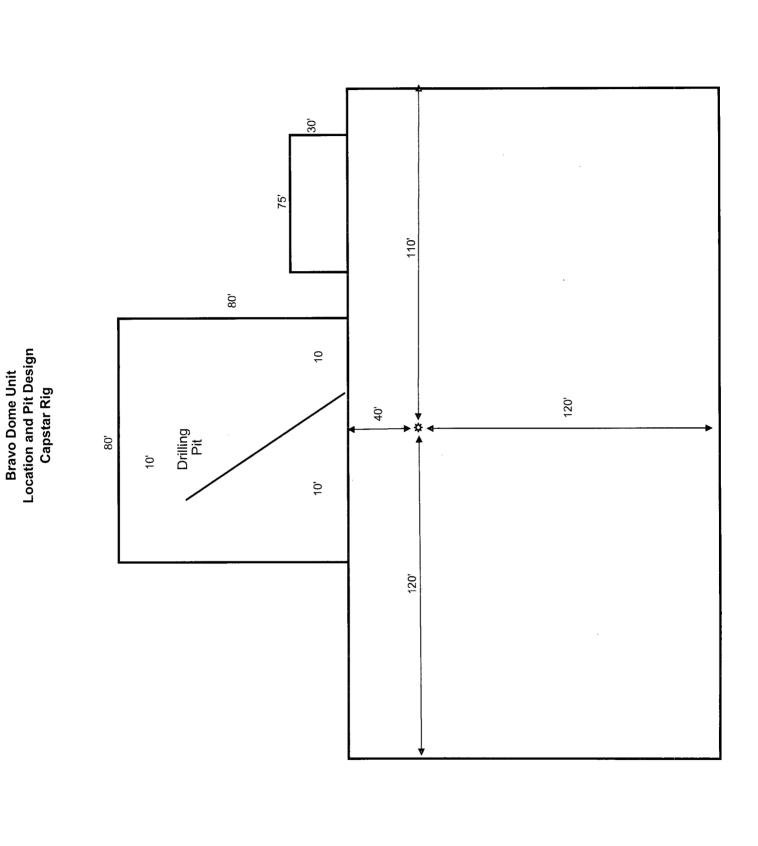
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Maintenance and Operating Plan for Temporary Pits

In accordance with Rule 19 15 17, Occidental Permian Ltd (OXY) will maintain and operate a temporary pit in accordance with the following plan:

- 1. OXY will discharge into a temporary pit only fluids used or generated during the drilling or workover process.
- 2. OXY will maintain a temporary pit free of miscellaneous solid waste or debris.
- 3. Any hydrocarbon base drilling fluid generated during the drilling or workover operation will be contain in an appropriate tank, it will not be discharged into a temporary pit. If any measurable layer of oil from the surface of a temporary pit after any drilling or workover operation, OXY will remove it immediately.
- 4. OXY shall maintain at least two feet of freeboard for a temporary pit.
- 5. OXY will use a check list to perform a daily pit inspection while the drilling or workover rig is on-site. After drilling or workover operations, OXY will inspect the temporary pit weekly so long liquids remain in the temporary pit. A log of the inspections will be kept on the well file, inspections will be available for the district office's review upon request. OXY will file a copy of the log with the District IV office once temporary pit is closed.
- 6. OXY shall remove all free liquids from a temporary pit within 30 days from the date the drilling or workover rig is released.
- 7. OXY shall remove any liquids from the temporary pit used for cavitation within 48 hours after completing cavitation. OXY may request additional time to remove the liquids from The District IV Division Office if it is not feasible to remove the liquids with 48 hours.



OXY Bravo Dome Pit Closure Plan

In accordance with Rule 19 15 17 12 NMAC the following information describes the closure requirements of temporary pits on locations. This is Oxy Bravo Dome's standard procedure for all temporary pits. A separate plan will be submitted for any temporary pit which does not conform to this plan.

All closure activities will include proper documentation and be available for review upon request and will be submitted to NMOCD within 60 days of pit closure. Closure report will be filed on C-144 and incorporate the following

- Details on Capping and Covering, where applicable
- Plot Plan (Pit Diagram)
- Inspection Reports
- Sampling Results

General Plan

- 1. Free standing liquids will be removed as soon as practical for recycle use in the drilling of other wells. Any free standing liquids that are not recycled will be removed prior to pit closure and disposed of in a division—approved facility or recycle, reuse or reclaim the liquids in a manner that the appropriate division district office approves. Pit solids will be allowed to air dry as completely as possible prior to starting pit closing activities.
- 2. The preferred method of closure for all temporary pits will be on-site burial, assuming that all the criteria listed in sub-section (8) of 19 15 17 13 are met
- 3. The surface owner shall be notified of Oxy Bravo Dome's proposed closure plan using a means that provides proof of notice i e, certified mail, return receipt requested.
- 4. Within 6 months of the Rig Off status occurring, Oxy Bravo Dome will ensure that temporary pits are closed, re-contoured.
- 5. Notice of Closure will be given to the Santa Fe Division office between 72 hours and one week of closure, via email, or verbally. The notification of closure will include the following:
 - I Operator's name
 - II Location by Unit Letter, Section, Township, and Range.. Well name and API number

- 6. Liner of temporary pit shall be removed above "mud level" after stabilization. Removal of liner will consist of manually or mechanically cutting liner at mud level and removing all remaining liner. Care will be taken to remove "All" of the liner I e, edges of liner entrenched or buried. All excessive liner will be disposed of at a licensed disposal facility
- 7. Pit contents shall be tested prior to mixing of any soils. Test results will be compared to NMOCD limits. If the test results are within the NMOCD limits no soils will be mixed with the pit contents. If the sample results exceed the NMOCD limits the contents will be mixed with non-waste containing, earthen material in order to achieve the solidification process. The mixing ratio shall not exceed 3 parts clean soil to 1 part pit contents. The mixed contents will then be re-tested and the results will be compared to the NMOCD limits.
- 8. A five point composite sample will be taken of the pit using sampling tools and all samples tested per subsection B of 19 15 17 13(B)(1)(b). In the event that the criteria are not met, all contents will be handled per Subparagraph (a) of Paragraph (1) of Subsection B of 19 15 17 13 i e, Dig and Haul

Composites	Tests Method	Limit (mg/Kg)
Benzene	EPA SW-846 8021B or 8260B	0.2
BTEX	EPA SW-846 8021B or 8260B	50
TPH	EPA SW-846 418 1	2500
GRO/DRO	EPA SW-846 8015M	500
Chlorides	EPA 300 1	1000

- 9. Upon completion of testing, the pit area will be backfilled with compacted, non-waste containing, earthen material. A minimum of four feet of cover shall be achieved and the cover shall include one foot of suitable material to establish vegetation at the site, or the background thickness of topsoil, whichever is greater.
- 10.Re-contouring of location will match fit, shape, line, form and texture of the surrounding as closely as possible. Re-shaping will include drainage control, prevent ponding, and prevent erosion. Natural drainages will be unimpeded and water bars and/or silt traps will be placed in areas where needed to prevent erosion on a large scale. Final

- re-contour shall have a uniform appearance with smooth surface, fitting the natural landscape.
- 11. Notification will be sent to NMOCD when the reclaimed area is seeded
- 12.Bravo Dome shall seed the disturbed areas upon abandonment of the pit and well site. Seeding will be accomplished via drilling on the contour whenever practical or by other division-approved methods. Vegetative cover will equal 70% if the native perennial vegetative cover (un-impacted) consisting of at *least three native plant species*, including at least one grass, but not including noxious weeds, and maintain that cover through two successive growing seasons.
- 13. The temporary pit will be located with a steel marker, no less than four inches in diameter, cemented in a hole three feet deep in the center of the onsite burial upon the abandonment of all the wells on the pad. The marker will be flush with the ground to allow access of the active well pad and for safety concerns. The marker will include a threaded collar to be used for future abandonment. The top of the marker will contain a welded steel 12" square plate that indicated the onsite burial of the temporary pit. The plate will be easily removable and a four foot tall riser will be threaded into the top of the collar marker and welded around the base with the operator's information at the time of all wells on the pad are abandoned. The operator's information will include the following Operator Name, Lease Name, Well name and number, Unit Number, Section, Township, Range and an indicator that the marker is an onsite burial location