State of New Mexico

Form C-101

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

API Number

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

Pool Name

___ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

Pool Code

30-021-	204			96010			BRAVO DO		E CARBON DIOXIDE GAS 640					
Property C	ode		•		Prop	erty	Name				Well Number			
27111		BRAV	0 D0	ME CA	ARBON	DI	OXIDE GAS	UNIT 19.	30		351			
ogrid n 16696					_		Name A INC.				Elevation 4472.7			
<u> </u>					Surfa	ce	Location		· · · · · · · · · · · · · · · · · · ·					
UL or lot no.	Section	Township	Range	Lot Idn.	Feet from the	he	North/South line	Feet from the	eet from the East/West line County					
G	35	19 N	30 E	:	1700'		NORTH	1700'	EA	ST	HARDING			
			Botto	om Hol	e Locatio	n]	If Different Fro	om Surface						
UL or lot no.	Section	Township	Range	Lot Idn.	Feet from t	he	North/South line	Feet from the	East/West	line	County			
	T - 1 - 1 - 1	I GN C	1:1	0.11										
Dedicated Acres Joint or Infill Consolidation Code Order No.														
NO ALLOW	ARIF W	VIII RF AS	SIGNET	<u> </u>	IS COMPLI	FTI	ON IINTII ALI	INTERESTS	IAVE RE	EN CC	NSOI IDATED			
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														
35					5° 50'10.26'')3° 43'09.63'' 990.25		1 700 '	I hereby certification of the second	David	d Ster	Analyst			
								I hereby cert was plotted fi me or under and correct to Date of Surve Signature and	ify that the warm field no my supervisic to the best of the best o	ell location tes of actua on, and that my belief.	SURVEYOR SAS			

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:

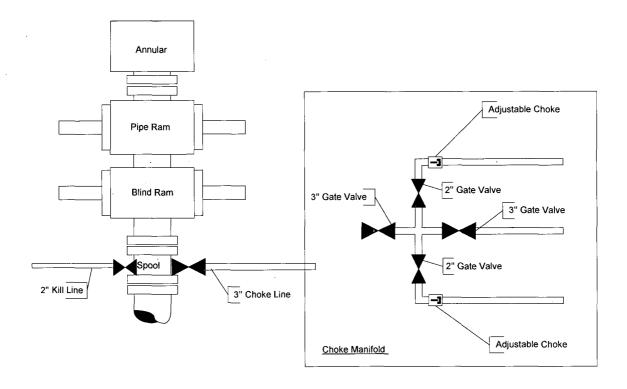
Surface:

			Ce	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			
Premium Plus				d Slurry		00 sx				
CaCl Poly E Flake Slurry Yield				2% 0.125 lb/sx 1.35 cfs						
Mix Water Mix Water Sou	rce				6.3 gal/sx Freshwater					

Production:

·		Ce	men	t Design				
Weight (ppg)	TOC (feet)	BOC (feet)		3	Slurry Volume (Bbls)	Cement Required (sx.)	Com	ment
11.1	0	±1830			233	400	TOC Surface	to ∋
13.2	±1830	2600	2600		50		TOC above Cimarro	±600' on
Lead	Slurry			Tail Slurry				
Premium Plus 400 sx CaCl 3% Poly E Flake 0.125 lb/sx Slurry Yield 3.28 cfs Mix Water 20.56 gal/sk				CaCl Poly E Flake Slurry Yield Mix Water	e	150 sx 3% 0.125 lb/sx 1.86 cfs 9.99 gal/sk		
	(ppg) 11.1 13.2 Lead	(ppg) (feet) 11.1 0 13.2 ±1830 Lead Slurry 40 3 0.12 3.2 20.56	Weight (ppg) (feet) (feet) 11.1 0 ±1830 13.2 ±1830 2600 Lead Slurry 400 sx 3% 0.125 lb/sx 3.28 cfs 20.56 gal/sk	Weight (ppg) (feet) BOC (feet) 11.1 0 ±1830 13.2 ±1830 2600 Lead Slurry 400 sx 3% 0.125 lb/sx 3.28 cfs 20.56 gal/sk	(ppg) (feet) (feet) 11.1 0 ±1830 13.2 ±1830 2600 Lead Slurry 400 sx Premium Pl CaCl Poly E Flak Slurry Yield Mix Water	Weight (ppg) TOC (feet) BOC (feet) Slurry Volume (Bbls) 11.1 0 ±1830 233 13.2 ±1830 2600 50 Lead Slurry Tail 400 sx 3% CaCl O.125 lb/sx 3.28 cfs 3.28 cfs 20.56 gal/sk Premium Plus CaCl Poly E Flake Slurry Yield Mix Water	Weight (ppg) TOC (feet) Slurry Volume (Bbls) (sx.) 11.1	Weight (ppg)

9" BOP - 3000psi





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 # 1930-351G

API Number 30-021-20484

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.

Martin

NEW MEXICO OIL CONSERVATION DIVISION

Ed Martin

District 4 Supervisor

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

	system, below-grade tank, or proposed alternative method
	adividual pit, closed-loop system, below-grade tank or alternative request
Please be advised that approval of this request does not relieve the operator of lia	ability should operations result in pollution of surface water, ground water or the
environment. Nor does approval relieve the operator of its responsibility to com	ply with any other applicable governmental authority's rules, regulations or ordinances.
Operator: _OXY USA Inc.	OGRID #: /6696
Address: P.O. Box 303 Amistad NM 88410	
Facility or well name:	
API Number: 30 - 02 1 - 20484	OCD Permit Number:
U/L or Qtr/Qtr 1700 FNL 1700 FEL G-35-19-30 Section 35	Township 19N Range 30E County: Harding
Center of Proposed Design: Latitude 35 50' 10.26" Longitude 103	43' 09.63 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
☐ ☐ Unlined ☐ Unlined	Liner type: Thicknessmil
Liner type: Thickness 20mil ☐ LLDPE ☐ HDPE ☐ PVC	☐ Other
☐ Other String-Reinforced	Seams: Welded Factory Other
Seams: Welded S Factory Other	Volume:bblyd ³
Volume: 1525_bbl 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	emergency telephone numbers
☐ Other	☐ Signed in compliance with 19.15.3.103 NMAC
Alternative Method:	Administrative Approvals and Exceptions:
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration	Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.
of approval.	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	☐ 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 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 19.15.17.17 ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC ☐ Design Plan - based upon the appropriate requirements of 19.15.17.11 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: or Permit Number:	ocuments are
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 dattached. 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	f 19.15.17.9
Previously Approved Design (attach copy of design) API Number:	

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 de	ocuments are
 attached. 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 19.15.17.3 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	
☐ Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC ☐ Nuisance or Hazardous Odors, including H ₂ S, Prevention Plan	
☐ Nulsance of Hazardous Odors, including H ₂ S, 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
	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 co	nsideration)
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.	☐ Yes ☒ No
- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	□ NA
Ground water is between 50 and 100 feet below the bottom of the buried waste	Yes No
- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	□ NA
Ground water is more than 100 feet below the bottom of the buried waste.	☐ Yes ☒ No
- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	□ NA
	—
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa	☐ Yes 🛛 No
lake (measured from the ordinary high-water mark).	
- Topographic map; Visual inspection (certification) of the proposed site	
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.	☐ Yes ☑ No
- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	103 23 110
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock	☐ Yes ☒ No
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	
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	☐ Yes ☒ No
adopted pursuant to NMSA 1978, Section 3-27-3, as amended.	
- Written confirmation or verification from the municipality; Written approval obtained from the municipality	
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☒ No
- 03 i ish and whether wedant rechanged in map, 10pographic map, visual hispection (certification) of the proposed site	
Within the area overlying a subsurface mine.	☐ Yes ☒ No
- Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	
Within an unctable area	
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological	☐ Yes ☒ No
Society; Topographic map	☐ 165 🖾 NO
	l
Within a 100-year floodplain.	☐ Yes ☒ No
- FEMA map	

	Instructions: Each of the following items must be attached to the
closure plan. Please indicate, by a check mark in the box, that the documents are	
Protocols and Procedures - based upon the appropriate requirements of 19.15.	
Confirmation Sampling Plan (if applicable) - based upon the appropriate requ	
Disposal Facility Name and Permit Number (for liquids, drilling fluids and dr	
Soil Backfill and Cover Design Specifications - based upon the appropriate re	
Re-vegetation Plan - based upon the appropriate requirements of Subsection I	
Site Reclamation Plan - based upon the appropriate requirements of Subsection	on G of 19.13.17.13 NMAC
Waste Removal Closure For Closed-loop Systems That Utilize Haul-off Bins Or	nly: (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 Permit Number:
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the	
by a check mark in the box, that the documents are attached.	jouowing tiems must be utiliched to the closure plan. I lease mulcule,
Siting Criteria Compliance Demonstrations - based upon the appropriate requ	irements of 19 15 17 10 NMAC
Proof of Surface Owner Notice - based upon the appropriate requirements of S	Subsection F of 19.15.17.13 NMAC
Construction and Design of Burial Trench (if applicable) based upon the applicable	
Protocols and Procedures - based upon the appropriate requirements of 19.15.	
Confirmation Sampling Plan (if applicable) - based upon the appropriate requ	
Waste Material Sampling Plan - based upon the appropriate requirements of S	
Disposal Facility Name and Permit Number (for liquids, drilling fluids and dr	
Soil Cover Design - based upon the appropriate requirements of Subsection H	
Re-vegetation Plan - based upon the appropriate requirements of Subsection I	l of 19.15.17.13 NMAC
Site Reclamation Plan - based upon the appropriate requirements of Subsection	on G of 19.15.17.13 NMAC
Onewster Application Contification	
Operator Application Certification:	
I hereby certify that the information submitted with this application is true, accurate	e and complete to the best of my knowledge and belief.
Nome (Drint): James E. Carley	Title: Operations team Leader
Name (Print): James E. Corley	Title. Operations team Leader
	D .
Signature:	Date:
e-mail address: <u>eddie_corley@oxy.com</u>	Telephone: (575) 799-6849
	(1)
OCD Approval: Permit Application (including closure plan) Closure Plan	n (only)
OCD Representative Signature:	Approval Date: 7/25/08
OCD Representative Signature: Martin	Approval Date: 7/25/08
OCD Representative Signature: Marta	
OCD Representative Signature: Martin Title: DISTRICT SUPERVISOR	OCD Permit Number:
OCD Representative Signature: Title: DISTRICT SUPERVISOR Closure Report (required within 60 days of closure completion): Subsection K	Approval Date: 7/25/08 OCD Permit Number:
OCD Representative Signature: Mathie	OCD Permit Number:
OCD Representative Signature: Title: DISTRICT SUPERVISOR Closure Report (required within 60 days of closure completion): Subsection K Closure Method:	Approval Date: 7/25/08 OCD Permit Number: of 19.15.17.13 NMAC Closure Completion Date:
OCD Representative Signature: Mathia	Approval Date: 7/25/08 OCD Permit Number: of 19.15.17.13 NMAC Closure Completion Date:
OCD Representative Signature: DISTRICT SUPERVISOR Color	Approval Date: 7/25/08 OCD Permit Number: of 19.15.17.13 NMAC Closure Completion Date: ve Closure Method
OCD Representative Signature: Mathia	Approval Date: 7/25/08 OCD Permit Number: of 19.15.17.13 NMAC Closure Completion Date: ve Closure Method
OCD Representative Signature: DISTRICT SUPERVISOR Closure Report (required within 60 days of closure completion): Subsection K Closure Method:	Approval Date: 7/25/08 OCD Permit Number: of 19.15.17.13 NMAC Closure Completion Date: ve Closure Method
Title:	Approval Date: 7/25/08 OCD Permit Number: of 19.15.17.13 NMAC Closure Completion Date: ve Closure Method
OCD Representative Signature: DISTRICT SUPERVISOR Closure Report (required within 60 days of closure completion): Subsection K Closure Method:	Approval Date: 7/25/08 OCD Permit Number: of 19.15.17.13 NMAC Closure Completion Date: ve Closure Method
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District 1
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410

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

		WE	LL LO	CATION	AND A	ACI	REAGE DEDIC	CATION PI	LAT			
	API Numb	er		Pool Cod 9601	-		BRAVO DO	Pool N		VIDE	CAS	
				300 N				ML CANDO	IN DIO			
Property 2 7 1 1	1	BRAV	/O DC	Property Name DOME CARBON DIOXIDE GAS (30		Well Number 351	
OGRID	No.		······································		Oper	ator	Name	······································			Elevation	
1669	6				OXY	US	A INC.			4	1472.7	
		T-2	·		,		Location					
UL or lot no.	Section 35	Township 19 N	Range 30 E	Lot Idn.	Lot Idn. Feet from the North/South line 1700' NORTH			Feet from the	East/West EA:		County	
LG	00	19 1	Bott	om Hol		n	If Different Fro		LA	<u> </u>	LIAKDING	
UL or lot no.	Section	Township	Range	Lot Idn.	Feet from t		North/South line	Feet from the	East/West	line	County	
Dedicated Acre	s Joint	or Infill C	Consolidation	Code C	order No.		1				L-telenoment	
NO ALLOV	WABLE V						ON UNTIL ALL EEN APPROVED			EN CO	NSOLIDATED	
35		OK A	NON-91	ANDARD	UNII HAS	10	EEN APPROVED					
33						****		11			IFICATION	
	[-		11 '			ontained herein is nowledge and belief.	
	!				7007	Aces						
					- 17(
								Signature				
	Manager				•		1700′	Deining Name	David Stewart Printed Name			
				NM-E 1	NAD 2 7			11	Printed Name Sr. Regulatory Analyst			
	- A M. COLOMBA			Lot - 35	5° 50'10.26" 3° 43'09.63"	-		Title				
				X ~ 681 Y - 176		-		Date				
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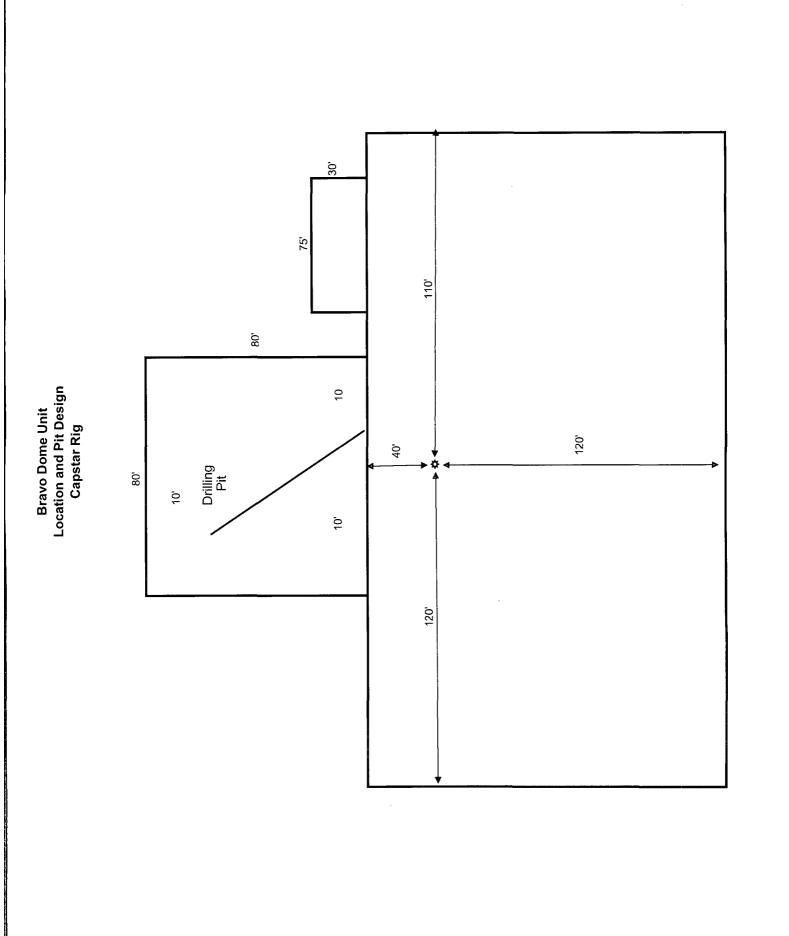
Pit Design and Construction Plan

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.



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AVERAGE DEPTH OF WATER REPORT 07/11/2008

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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.



Wellname:	API #:	Rig Mobe Date:	
County:	Pit liner thickness:	Rig Demobe Date:	

Inspection Date	Time	By Whom	Has any hazardous waste been disposed of in pit(s)?	Is the liner of the pit intact and free of penetrations?	Is there an oil absorbent boom on location?	Distance from top of pit to fluid level (minimum 2')

All pits to be inspected DAILY during drilling/workover operations. Any penetration of the pit liner shall be reported to the NMOCD within 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