District I			ł	Energy.	State of Ne Minerals &		lexico Iral Resources			Form C-10 June 16, 200
1625 N. French Dr District II 1301 W. Grand Av District III	venue,Artesia,	NM 88210			Dil Conserva	ation	Divsiion	S	Submit to approp	riate District Offi
1000 Rio Brazos R District IV 1220 S St. Franci	s Dr., Santa F	e, NM 8750			1220 S. St. Santa Fe,	NM	87505		🗌 AMI	ENDED REPOI
APPLICA PLUGBA		ADD A	ZONE		L, RE-ENI	rer.	, DEEPEN,	<u>*</u> ,		
		¹ Ope	ator Name and	d Address					² OGRID Numbe 16696	eŕ
OXY USA INC PO BOX 4294,	HOUSTON	TX 772	0-4294					20 05	3 API Number 9 - 20 5	
⁴ Proper	ty Code	<u>, , , , , , , , , , , , , , , , , , , </u>			⁵ Property			<u>1 30- 0 3</u>	6We	ll No.
271	.11	⁹ Proposed 1		<u>O DOME</u>	CARBON DIO	(IDE ·	GAS UNIT 2333	¹⁰ Proposed 1		311
BR	AVO DOME		IOXIDE GA	<u>S 640</u>						
⁷ Surface Lo	cation		_							
UL or lot no.	Section	Township	Range	Lot. Idi			North/South Line	Feet from the	East/West line	. County
G ⁸ Proposed E	31 J	23 N	33 E	fformat	1700		NORTH	1700'	EAST	UNION
UL or lot no.	Section H	Township	Range	Lot Id			North/South Line	Feet from the	East/West line	County
	Section			2.00 10						County
Additional V		tion								
¹¹ Work Typ N		12	Well Type Cod	le	¹³ Cable/F R	-	¹⁴ Lea	se Type Code P		Level Elevation
¹⁶ Multip		17	Proposed Dept	h	18 Forma			Contractor		ud Date
N)		2600		TUE	BB	· ····	N/A		
¹ Proposed (^T asina an	d Cemer	t Program	n						
Hole Si			ng Size		g weight/foot		Setting Depth	Sacks of Ceme	ent F	stimated TOC
12 1/	•	<u> </u>	5/8		24#		750'	400sx		SURFACE
7 7/8			1/2	5 4	<u></u> ,	2	400' 2600'	500sx		SURFACE
					<u></u>					
		<u> </u>								
		— —								
						CK, giv	ve the data on the pro-	esent productive ze	one and proposed	new productive zo
Describe the blow	out preventio	n program, if	any. Use add	itional she	ets if necessary.		1 a			
SEE ATTACHM	ENT						·			,
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					<u>:</u>					•
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²³ l hereby certify	that the inform	mation given	above is true	and compl	ete to the best					<u></u>
of my knowledge	and belief.	0		· · · · · · · · · · · · · · · · · · ·				ONSERVAT		UN
Signature:	f . \dot{c}	Loc	leet			Appi	roved by:	l n	arto	
Printed name: L.					· · · ·	Title		STRICT CI	IPFRVIS)R
Title:	GULATORY					∦	roval Date: >/		Expiration Date:	15/201
E-mail Address:					<u></u>		<u> </u>			12/2013
Date:		T	Phone:	12 215	7642	Cond	litions of Approval	Attached		
	28/11		/	13-215	1043					

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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

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	ACR	EAGE DEDIC	CAT	TION PI	LAT		
	API Numb	er		Pool Cod					Pool Na			
30-0	59-2	20541		9601)	BR	RAVO DOME	<u> </u>	ARBON	DIOXID)E GA	AS 640
Property					•	erty 1						Well Number
2711	11	BI	RAVO	DOME	CARBO	DN	DIOXIDE G	AS	UNIT			311
OGRID					-	rator 1						Elevation
1669	6				OXY	US,	A INC.					5078.7
					Surfa	ice J	Location					
UL or lot no.	Section	Township	Range	Lot Idn.	Feet from t	the	North/South line	Fee	t from the	East/West	line	County
G	31	23 N	33 E		1700'		NORTH		1700'	EAS	ST	UNION
			Bott	om Hol	e Locatio	n I	f Different Fro	m	Surface			
UL or lot no.	Section	Township	Range	Lot Idn.	Feet from t	the	North/South line	Fee	t from the	East/West	line	County
Dedicated Acro	er Joint	or Infill (Consolidation	n Code C	order No.	I						
640 🗸												
NO ALLO	WABLE V						ON UNTIL ALL				EN CC	NSOLIDATED
			<u>NON-51</u>	ANDARD	UNIT HAS	<u>S BE</u>	EN APPROVED]
31		/ / /	/ / /			1	, , , , , ,		OPER	ATOR (CERT	IFICATION
K	1											contained herein is knowledge and belief.
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Y									Signature	``		
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K				Lon - 1	36° 10'59 81'' 03° 27'36.44''			ĺ	Title			
K					7693.17 87100 68			ĺ		6/6	<u> 1187</u>	
Ľ									Date			
									SURV	EYOR	CERT	IFICATION
K									I hereby certi	ify that the we	ell location	shown on this plat
												al surveys made by at the same is true
K.									and correct to			at the same is that
K.									Ś	(B) o		2010
22	1:1	05.00							Date of Surve	NN N	MEX,C	
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	YU Y	nm 30 ECENÇ	Н						T	nust	The section	6/10/20 11
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				<u> </u>								

APD DATA – DRILLING PLAN – Bravo Dome Unit 2333-311G

1. CASING PROGRAM

Surface Casing: 8.625" casing set at \pm 750 ft MD/ 750 ft TVD in a 12.25" hole filled with 8.4 ppg mud

Interval	OD (in)	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)
0 - 750	8.625	24	J-55	STC	1370	2950	244	8.097	7.972

Production Casing: 5.5" FG casing set at \pm 2400 ft MD/ 2400 ft TVD, 5.5" steel casing to \pm 2600 ft MD/ 2600 ft TVD in a 7.875" hole filled with 8.4 ppg mud

					Coll	Burst			
	OD	•			Rating	Rating	Jt Str	ID	Drift
Interval	(in)	Wt	Gr	Cplg	(psi)	(psi)	(M-lbs)	(in)	(in)
0 - 2400	5.5	5.4	FG	STC	2000	1750	53	4.740	4.620
2400 - 2600	5.5	15.5	J-55	LTC	4040	4810	217	4.950	4.825

2. CEMENT PROGRAM:

Surface Interval

• Interval	тос	Amount (sx)	Ft of Fill	Туре	Gal/Sk	PPG	Ft ³ /sk	24 Hr Comp
Lead: 0' – 750' (75% Excess)	Surface	400	750'	Premium Plus Cement, 2% Calcium Chloride, 0.25 lb/sk Poly-E-Flake	6.35	14.8	1.35	1808 psi

Note: Surface casing will be tested to 1000 psi after 8 hrs WOC time.

Production Interval

Interval	TOC (MD-ft)	Amount sx	Ft of Fill	Туре	Gal/Sk	PPG	Ft ³ /sk	24 Hr Comp
Lead: 0 – 2336' (150% Excess)	Surface	350	2286'	MidCon-2 Premium Plus Cement, 2% Calcium Chloride, 0.25 lb/sk Poly-E-Flake	20.44	11.1	3.25	390 psi
Tail: 2286'– 2600' (400% Excess)	2286'	150	314'	MidCon-2 Premium Plus Cement, 2% Calcium Chloride, 0.25 lb/sk Poly-E-Flake	9.95	13.2	1.85	1084 psi

Note: Production casing will be tested to 500 psi over displacement pressure after bumping plug.

3. PRESSURE CONTROL EQUIPMENT

Surface: 0 – 750' will be drilled with no conductor and no pressure control equipment at surface.

Production: 750' - 2600' will be drilled with a 9" 3M annular preventer.

- a. The annular preventer will be functionally tested and pressure tested upon nipple up to wellhead **every well**. In the rare case that a well lasts longer than three weeks, the preventer will be subsequently tested every 21 days. The test will consist of a 250 psi low test and a 1000 psi high test.
- b. See BOP diagram.
- c. A Kelly cock will be in the drill string at all times while drilling.
- d. A full opening drill pipe stabbing valve with the appropriate connections will be on the rig floor at all times



1025 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	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.
Proposed Alter Type of action: Permin Closur Modified Closur below-grade tank, or propose Instructions: Please submit one application Please be advised that approval of this request does no environment. Nor does approval relieve the operator	losed-Loop System, Below-Grade 7 ernative Method Permit or Closure F t of a pit, closed-loop system, below-grade tank, o re of a pit, closed-loop system, below-grade tank, fication to an existing permit re plan only submitted for an existing permitted or sed alternative method atton (Form C-144) per individual pit, closed-loop syste ot relieve the operator of liability should operations result i of its responsibility to comply with any other applicable go	Plan Application or proposed alternative method or proposed alternative method r non-permitted pit, closed-loop system, em, below-grade tank or alternative request n pollution of surface water, ground water or the
U/L or Qtr/Qtr 1700 FNL / 1700 FEL Section	TX 77046 33-311G 5 4 OCD Permit Number: 1 31 Township 23N Range 33E County: Un .81" Longitude 103° 27' 36.44" NAD: ⊠1927 □ 19	lion
 2. Pit: Subsection F or G of 19.15.17.11 NM/ Temporary: Drilling Workover Permanent Emergency Cavitation Lincd Unlined Liner type: Thickness 2 String-Reinforced Liner Seams: Welded Factory Other 	P&A 20 mil ⊠LLDPE ☐ HDPE ☐ PVC ☐ Other	ensions: L 75 x W 75 x D 4
intent) Drying Pad Above Ground Steel Tanks Lined Unlined Liner type: Thickness	5.17.11 NMAC well Workover or Drilling (Applies to activities wh Haul-off Bins Other	
Tank Construction material: Secondary containment with leak detection Visible sidewalls and liner Visible sidewalls and liner Liner type: Thickness	fluid:	verflow shut-off
5.		

Alternative Method:

Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks)

Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, hospital, institution or church)

Four foot height, four strands of barbed wire evenly spaced between one and four feet

Alternate. Please specify

Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)

Screen Netting Other

9.

Monthly inspections (If netting or screening is not physically feasible)

Signs: Subsection C of 19.15.17.11 NMAC

🛛 12."x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers

Signed in compliance with 19.15.3.103 NMAC

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.

Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa	No 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. (Applies to temporary, emergency, or cavitation pits and below-grade tanks) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	No No
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	No 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 search; Visual inspection (certification) of the proposed site	No 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	No No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	No No
Within the area overlying a subsurface mine. Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division Yes [No No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	No No
Within a 100-year floodplain. Image: Yes [- FEMA map Image: FEMA map	No No

11. <u>Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist</u> : Subsection B of 19.15.17.9 NMAC <i>Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.</i>
 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 19.15.17.9 NMAC 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 (Please complete Boxes 14 through 18, if applicable) - 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:
12. 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 documents are attached. Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.9 Siting Criteria Compliance Demonstrations (only for on-site closure) - 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 (Please complete Boxes 14 through 18, if applicable) - 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:
Previously Approved Operating and Maintenance Plan 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 documents 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 19.15.17.10 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
 Dike Protection and Structural integrity 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 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
14. <u>Proposed Closure</u> : 19.15.17.13 NMAC <i>Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.</i>
Type: Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Closed-loop System
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 consideration)
15. Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) 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 attached. Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)
 Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

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^{16.} Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Instructions: Please indentify the facility or facilities for the disposal of liquids, drilling fluids an		
facilities are required.	u unii cunings. Ose unuchmeni ij h	nore mun two
Disposal Facility Name: Disposal Facilit	y Permit Number:	
	y Permit Number:	
Will any of the proposed closed-loop system operations and associated activities occur on or in area Yes (If yes, please provide the information below) No		vice and operations?
Required for impacted areas which will not be used for future service and operations: Soil Backfill and Cover Design Specifications based upon the appropriate requirements of Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17	NMAC	C
^{17.} 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. R provided below. Requests regarding changes to certain siting criteria may require administrative considered an exception which must be submitted to the Santa Fe Environmental Bureau office y demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.	approval from the appropriate dist	rict office or may be
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 the state of th	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 □ NA
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 watercoulake (measured from the ordinary high-water mark). Topographic map; Visual inspection (certification) of the proposed site 	arse or lakebed, sinkhole, or playa	🔲 Yes 🛛 No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at t - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	he time of initial application.	🗌 Yes 🖾 No
 Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five house watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existen NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of 	ce at the time of initial application.	🗌 Yes 🛛 No
 Within incorporated municipal boundaries or within a defined municipal fresh water well field cover adopted pursuant to NMSA 1978, Section 3-27-3, as amended. Written confirmation or verification from the municipality; Written approval obtained from 	- · ·	🔲 Yes 🛛 No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (cer	tification) 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 Di	vision	🗌 Yes 🛛 No
 Within an unstable area. Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Res Society; Topographic map 	ources; USGS; NM Geological	🗌 Yes 🗴 No
Within a 100-year floodplain. - FEMA map		🗌 Yes 🛛 No
 18. On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following item by a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19. Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection F of Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate require Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in 	15.17.10 NMAC 19.15.17.13 NMAC ements of 19.15.17.11 NMAC the appropriate requirements of 19.1 psection F of 19.15.17.13 NMAC 19.15.17.13 NMAC a case on-site closure standards canno	15.17.11 NMAC
Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13	NMAC	at so achieved)

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*** Derrator Application Certification: Thereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief. Name (Print): Kyle Noves Signature:
Name (Print): Kyle Noyer Title: Drilling Engineer Signature:
e-mail address: kyle_noredioxy.com Telephone: 713-215-7617
Particle Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Approval Date: 7/5/2014 Title: DISTRICT SUPERVISOR OCD Permit Number: 11. Closure Report (required within 60 days of closure completion): Subsection K of 19.15.17.13 NMAC Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to obtain an approved closure plan has been obtained and the closure activities have been completed. Closure Method: Closure Completion Date: 12. Closure Report Reparting Waste Removal On-Site Closure Method Asternative Closure Method 13. Matte Execution and Removal On-Site Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: 14. Closure Report Reparting Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: 15. Disposal Facility Name: Disposal Facility Permit Number: 15. Disposal Facility Name: Disposal Facility Permit Number: 15. Disposal Facility Name: Disposal Facility Permit Number: 15. Disposal Facility Name:
OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature:
Title: DISTRICT SUPERVISOR OCD Permit Number: 1. Closure Report (required within 60 days of closure completion): Subsection K of 19.15.17.13 NMAC Instructions: Operators are required to be submitted to the division within 60 days of the completion of the closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed. 21: Closure Completion Date: 22: Closure Removal On-Site Closure Method Alternative Closure Method Waste Removal (Closed-loop systems only) 34: Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: 1: Instructions: Please indentify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities were utilized. Disposal Facility Name: Disposal Facility Permit Number: Usages Report Attachment Checklist: Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached. 4: Site Report Regarding Quester compliance to the items below No Required for impacted areas which will not be used for future service and operations:
Title: DISTRICT SUPERVISOR OCD Permit Number: 1. Cheare Report (required within 60 days of closure completion): Subsection K of 19.15.17.13 NMAC Instructions: Operators are required to be submitted to the division within 60 days of the completion of the closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed. 21. Closure Completion Date: 22. Closure Method: 33. On-Site Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: 11. Instructions: Please indentify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities were utilized. Disposal Facility Name: Disposal Facility Permit Number: Disposal Facility Name: Disposal Facility Permit Number: 34. Ste Recloan disconted compliance to the titems below = No 84. Required for impacted areas which will not be used for future service and operations? 95. Ste Reclamation (Photo Documentation) 96. Backfilling and Cover Installation 86. Recolareat areas and Se
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 Flot Plan (for on-site closures and temporary pits) Confirmation Sampling Analytical Results (if applicable) Waste Material Sampling Analytical Results (required for on-site closure) 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 Longitude NAD: 1927 1983
25. <u>Operator Closure Certification</u> : I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.
Name (Print):
Signature: Date:
e-mail address: Telephone:

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New Mexico Office of the State Engineer Water Column/Average Depth to Water

No records found.

Range: 33E

Township: 23N

PLSS Search:

Section(s): 31

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

6/9/11 12:51 PM

OXY USA Inc. P.O. 4294 Houston, TX 77210-4294

June 6, 2011

Daves Family Trust 305 Walnut Street Clayton, NM 88415

Re: Temporary Pit Notification

Dear Sirs:

Please be advised that OXY USA Inc., hereby gives notice of our intent to construct, operate, maintain and close temporary drilling pits in accordance with the NMOCD Pit Rule 19.15.17 effective June 15th 2008 for the following locations: Township 22N, Range 33E, Sections 5 and 6 and Township 23N, Range 33E, Section 31.

Enclosed please find a copy of Oxy's Pit Design and Construction Plan, Oxy's Pit Maintenance and Operating Plan and Oxy's Pit Closure Plan.

If you have any questions or concerns, please contact me at (713) 215-7617 office or my cell (832) 316-5946.

Respectfully,

Kyle Noyes Senior Drilling Engineer OXY USA Inc.

CC: File NMOCD



BRAVO DOME 2011 DRILLING PAD





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.



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')
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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.

DXY Permian

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. Or at the request of the landowner, the deep burial pit closure method will be used.
- 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	500

- 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