



December 22, 2025

District Supervisor
Oil Conservation Division, District 2
506 W. Texas
Artesia, New Mexico 88210

**Re: Closure Request
J R Oil, Ltd. Co.
Oxy Harrier Federal #001 Release
Unit Letter C, Section 35, Township 16 South, Range 31 East
Eddy County, New Mexico
Incident ID# NLLB0631149512**

Sir or Madam,

Tetra Tech, Inc. (Tetra Tech) was contacted by J R Oil, Ltd. Co. (JR Oil) to evaluate a historical release associated with the Oxy Harrier Federal #001 well (API# 30-015-34434). The release footprint is located in Public Land Survey System (PLSS) Unit Letter C, Section 35, Township 16 South, Range 31 East, in Eddy County, New Mexico (Site). The approximate well location is shown on Figures 1 and 2.

The Oxy Harrier Federal #001 well is an active oil well that has been operated by JR Oil since March 2021. At the time of this historical release, the well was operated by OXY USA WTP LIMITED PARTNERSHIP (Oxy), before transferring to JR Oil in March of 2021.

BACKGROUND

According to the State of New Mexico Oil Conservation Division (NMOCD) permitting website, the release was discovered on February 16, 2006. The reported release occurred as a result of a gas fire within a flow back steel pit (tank). There is no C-141 document available in the NMOCD online incident files. The reported volumes with the release are reported as 0 bbls of 'other' released. The incident detail available in the NMOCD online permitting files from the time of the release states that "All fluid and fire was contained in flow back tank. No outside area or equipment was harmed or contaminated." The NMOCD assigned the release the Incident ID NLLB0631149512.

Following a review of the well files, an approximate location for the flow back tank was located. The NMOCD well files are included as Appendix A. The approximate location of the flow back tank is shown in Figure 3.

LAND OWNERSHIP

According to the NMOCD Oil and Gas Map, the Site is located on Federal Land managed by the Bureau of Land Management (BLM). A copy of this closure request will be sent to the BLM for concurrent approval.

Tetra Tech

901 West Wall St., Suite 100, Midland, TX 79701

Tel 432.682.4559

Fax 432.682.3946

www.tetrattech.com

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J R Oil, Ltd. Co.

SITE CHARACTERIZATION

A site characterization was performed and no sinkholes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, playa lakes, stream bodies, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the distances specified in 19.15.29 New Mexico Administrative Code (NMAC). The Site is in an area of low karst potential.

According to the New Mexico Office of the State Engineers (NMOSE) reporting system, there are no wells within 1.5 mile (2,400 meters) of the Site with available water level data. The USGS reports a well approximately 1.17 miles from the Site, reporting a depth to groundwater of 152.73 feet bgs reported in January of 1996. The site characterization data is included as Appendix B.

REGULATORY FRAMEWORK

Based upon the release footprint location (on-pad and in areas immediately under or around production equipment) and in accordance with Subsection E of 19.15.29.12 NMAC, per 19.15.29.11 NMAC, the site characterization data was used in attempt to determine recommended remedial action levels (RRALs) for benzene, toluene, ethylbenzene, and xylene (collectively referred to as BTEX), total petroleum hydrocarbons (TPH), and chlorides in soil.

Based on the site characterization and in accordance with Table I of 19.15.29.12 NMAC, the RRALs for the Site are as follows:

Constituent	Site RRALs
Chloride	20,000 mg/kg
TPH (GRO+DRO+MRO)	2,500 mg/kg
GRO+DRO	1,000 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

Additionally, in accordance with the NMOCD guidance *Procedures for Implementation of the Spill Rule (19.15.29 NMAC)* (September 6, 2019), the following reclamation requirements for surface soils (0-4 feet bgs) outside of active oil and gas operations are as follows:

Constituent	Reclamation Requirements
Chloride	600 mg/kg
TPH (GRO+DRO+ORO)	100 mg/kg

CANCELLATION REQUEST

A cancellation request (C-141C) was submitted to the NMOCD permitting portal for the subject line incident (NLLB0631149512). The cancellation request was submitted based on the fact that the volumes associated with the release were indicated to be zero (0) and that the fluids were documented to have remained inside the flow back tank, per the NMOCD incident event notes. The cancellation request was denied by the NMOCD on July 15, 2025 with the following comment: "Incident resulted in a fire; therefore, was reportable per 19.15.29.7A (2a) NMAC." The cancellation request and NMOCD response are on record in the NMOCD permitting portal. Thus, based on the denial of the cancellation request, JR Oil made plans to execute an assessment in the area identified as the former location of the flow back tank.

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SITE ASSESSMENT

JR Oil personnel were on Site on August 7, 2025, to install four (4) hand auger borings (AH-1 through AH-4) within the inferred release extent to a maximum depth of 1 foot bgs. The assessment sampling locations are indicated on Figure 3.

A total of four (4) soil samples were collected from the four boring locations. The collected samples were transferred under chain of custody and analyzed within appropriate holding times by Cardinal Laboratories (Cardinal). The soil samples were analyzed for TPH via Method 8015 Modified, chloride via Method SM4500Cl-B, and BTEX via Method 8021B. A copy of the laboratory analytical report and chain-of-custody documentation are included in Appendix C.

Results from the August 7, 2025 soil sampling event are summarized in Table 1. All analytical results associated with soil samples collected from boring locations installed during the August 8, 2025 assessment were below the applicable Site RRALs and reclamation requirements for chlorides, TPH, and BTEX.

VARIANCE REQUEST

JR Oil is requesting a variance to the standard rule regarding remediation closure 19.15.29.12.D.(1) NMAC, whereby testing of the affected area is performed with 'representative five-point composite samples from the walls and base' of an excavation. The variance requested is to allow the use of grab for remediation closure, in place of five-point composite samples from an open excavation.

The subject line incident (NLLB0631149512) is a historical release incident that was discovered on February 16, 2006, associated with a well that is now under the operation of JR Oil. There are no volumes associated with the incident, due to the fact that no fluids left the containment of the flow back tank. Thus, no impact was ever present on the ground surface or in the subsurface. The approximate location of the flow back tank was investigated, and no impacted soils were encountered. Therefore, a remediation is not warranted in this scenario and the grab samples demonstrate a lack of remaining impact.

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CONCLUSION

Based on the results of the August 2025 assessment sampling, JR Oil respectfully requests closure for this subject line incident. According to the NMOCD permitting website, there were no volumes of fluids released due to the incident on Site. Additionally, documentation from the incident event indicates no fluids escaped the tank. JR Oil executed an assessment in the area where the flow back tank was located. The August 2025 soil assessment results demonstrated no remaining impact as the laboratory analytical results associated with collected soil samples were below the applicable Site RRALs and reclamation requirements for chlorides, TPH, and BTEX. Due to the requirements of 19.15.29.7A (2a) NMAC, the incident was reported per the responsibility of the operator at the time, but no further action was taken due to no fluids having escaped the flow back tank or reached the ground surface. Thus, JR Oil respectfully requests closure of incident ID NLLB0631149512.

If you have any questions concerning the assessment activities for the Site, please call me at (509) 768-2191.

Sincerely,

Tetra Tech, Inc.



Sam Chama, P.G.
Project Manager



Samantha Abbott, P.G.
Senior Project Manager

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December 22, 2025

J R Oil, Ltd. Co.

LIST OF ATTACHMENTS

Figures:

- Figure 1 – Overview Map
- Figure 2 – Topographic Map
- Figure 3 – Site Assessment Map

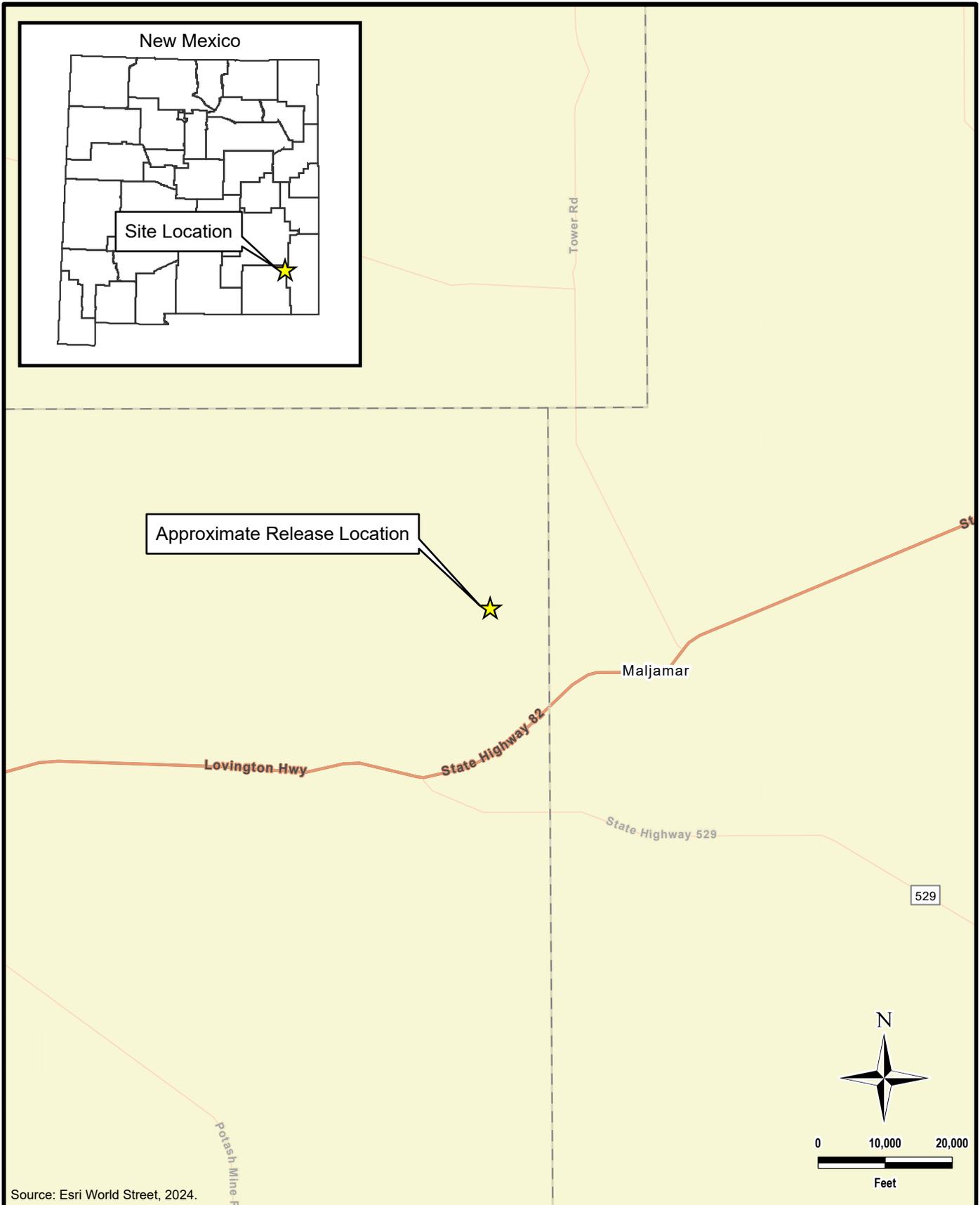
Tables:

- Table 1 – 2025 Soil Assessment – NLLB0631149512

Appendices:

- Appendix A – NMOCD Well Files
- Appendix B – Site Characterization Data
- Appendix C – Laboratory Analytical Data

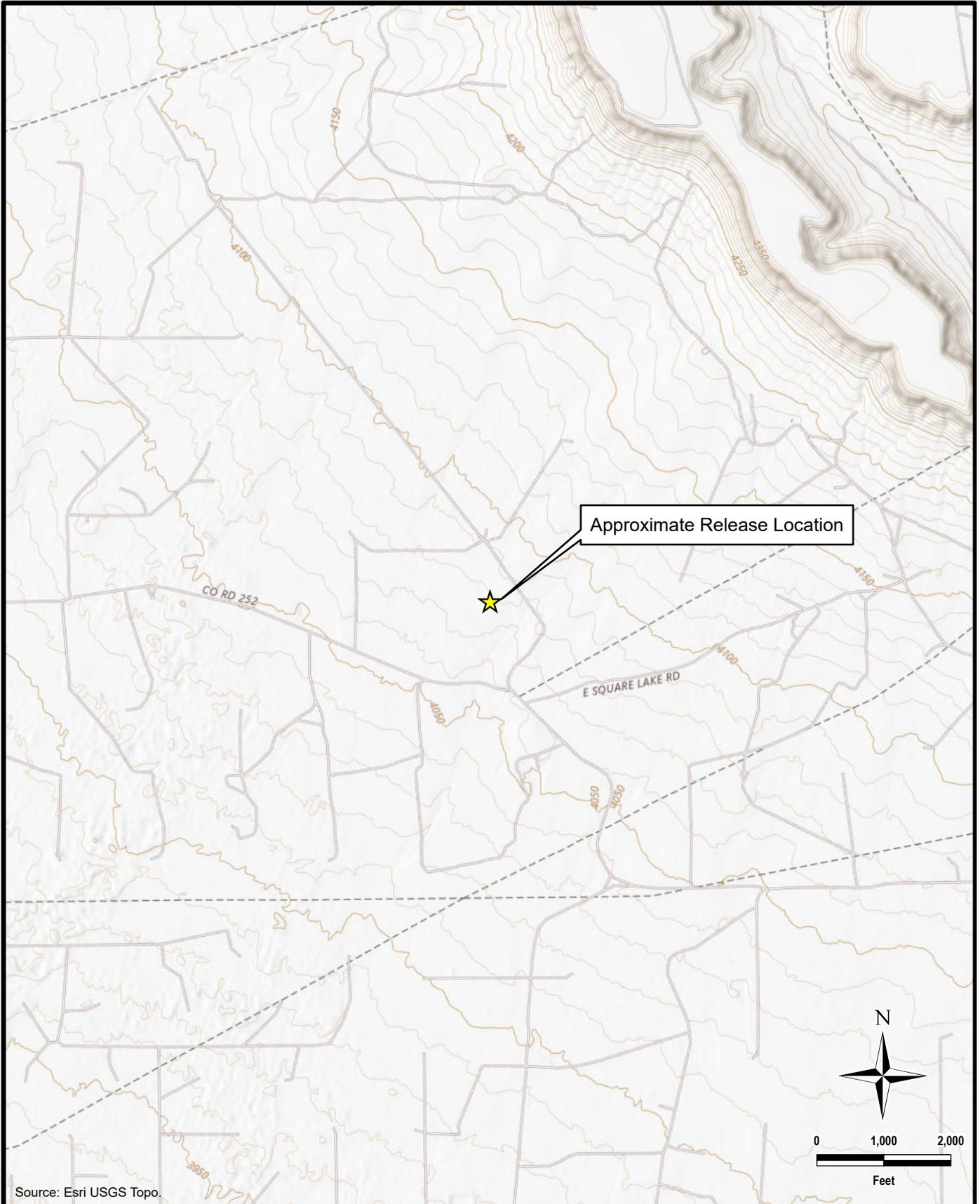
FIGURES



Source: Esri World Street, 2024.

DOCUMENT PATH: Y:\JR_OIL\OXY_HARRIER_1\OXY_HARRIER_1.APRX

 TETRA TECH www.tetrattech.com 901 West Wall Street, Suite 100 Midland, Texas 79701 Phone: (432) 682-4559 Fax: (432) 682-3946	JR OIL, LTD. CO. NLLB0631149512 (32.883376°, -103.843139°) LEA COUNTY, NEW MEXICO	PROJECT NO.: 212C-MD-03536 DATE: OCTOBER 03, 2025 DESIGNED BY: LMV
	OXY HARRIER FEDERAL #001 OVERVIEW MAP	Figure No. 1



Source: Esri USGS Topo.

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www.tetrattech.com
 901 West Wall Street, Suite 100
 Midland, Texas 79701
 Phone: (432) 682-4559
 Fax: (432) 682-3946

JR OIL, LTD. CO.

NLLB0631149512
 (32.883376°, -103.843139°)
 LEA COUNTY, NEW MEXICO

**OXY HARRIER FEDERAL #001
 TOPOGRAPHIC MAP**

PROJECT NO.: 212C-MD-03536

DATE: OCTOBER 03, 2025

DESIGNED BY: LMV

Figure No.

2



Legend

- Hand Auger Location
- Wellhead
- Tank Battery
- Approximate Area of Flow Back Tank
- Tank Battery Berm
- Wellpad

Source: Google Earth, 2023.



DOCUMENT PATH: Y:\JR_OIL\OXY_HARRIER_1\OXY_HARRIER_1.APRX

<p>TETRA TECH</p> <p>www.tetrattech.com</p> <p>901 West Wall Street, Suite 100 Midland, Texas 79701 Phone: (432) 682-4559 Fax: (432) 682-3946</p>	<p>JR OIL, LTD. CO.</p> <p>NLLB0631149512 (32.883376°, -103.843139°) LEA COUNTY, NEW MEXICO</p>	<p>PROJECT NO.: 212C-MD-03536</p> <p>DATE: OCTOBER 03, 2025</p> <p>DESIGNED BY: LMV</p>
	<p>OXY HARRIER FEDERAL #001 SITE ASSESSMENT MAP</p>	<p>Figure No. 3</p>

TABLES

TABLE 1
 SUMMARY OF ANALYTICAL RESULTS
 2025 SOIL ASSESSMENT - NLLB0631149512
 JR Oil Ltd.
 Oxy Harrier Federal #002
 EDDY COUNTY, NM

Sample ID	Sample Date	Sample Depth	Chloride ¹		BTEX ²										TPH ³						
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		Total TPH
					mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg
AH-1	8/7/2025	0-1'	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0
AH-2	8/7/2025	0-1'	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0
AH-3	8/7/2025	0-1'	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0
AH-4	8/7/2025	0-1'	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0

NOTES:

- ft. Feet
- bgs Below ground surface
- mg/kg Milligrams per kilogram
- TPH Total Petroleum Hydrocarbons
- GRO Gasoline range organics
- DRO Diesel range organics
- 1 Method SM4500C1-B
- 2 Method 8021B
- 3 Method 8015M

Bold and italicized values indicate exceedance of Site RRALs.

APPENDIX A NMOCD Well Files

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. DIV-Dist. 2
301 W. Grand Avenue
Artesia, NM 88210

FORM APPROVED
OMB NO. 1004-0136
Expires: November 30, 2000

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
LC-029438-A

1a. Type of Work <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		6. If Indian, Allottee or Tribe Name	
1b. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		7. Unit or CA Agreement Name and No.	
2. Name of Operator OXY USA WTP Limited Partnership		8. Lease Name and Well No. <u>35243</u> OXY Harrier Federal #1	
3a. Address P.O. Box 50250 Midland, TX 79710-0250	3b. Phone No. (include area code) 432-685-5717	9. API Well No. 30-015-34434	
4. Location of Well (Report location clearly and in accordance with any State requirements)* At surface 740 FNL 1780 FWL NENW(C) At proposed prod. zone		10. Field and Pool, or Exploratory Undsg. Fren Morrow, NE	
14. Distance in miles and direction from nearest town or post office* 7 miles northeast from Loco Hills, NM		11. Sec., T., R., M., or Blk. and Survey or Area Sec 35 T16S R31E	12. County or Parish Eddy
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drg. unit line, if any) 740'	16. No. of Acres in lease 320	17. Spacing Unit dedicated to this well 320	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. N/A	19. Proposed Depth 12500'	20. BLM/BIA Bond No. on file 125 0136 (EAA) 6194690	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 4078'	22. Approximate date work will start* 12/1/05	23. Estimated duration 30 days	

RECEIVED
NOV 17 2005
96996
CARLSBAD

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- | | |
|---|--|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan | 5. Operator certification. |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature 	Name (Printed/Typed) David Stewart	Date 10/6/05
-------------------	---------------------------------------	-----------------

Title
Sr. Regulatory Analyst

Approved by (Signautre) /s/ Joe G. Lara	Name (Printed/Typed) /s/ Joe G. Lara	Date NOV 15 2005
---	--------------------------------------	------------------

ACTING FIELD MANAGER Office CARLSBAD FIELD OFFICE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

APPROVAL FOR 1 YEAR

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on Reverse)

S 15, 29.5

Roswell Controlled Water Basin

WITNESS: 13 3/4" CSG CEMENT JOBS

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

OXY Harrier Federal #1
740 FNL 1780 FWL NENW(C) SEC 35 T16S R31E Eddy County, NM
Federal Lease No. LC-29438-A

PROPOSED TD: 12500' TVD

BOP PROGRAM: 0-625' None

625-4500' 13-3/8" 3M annular preventer, to be used as
divertor only.

4500-12500' 11" 5M blind pipe rams with 5M annular
preventer and rotating head below 8500'.

CASING: Surface: 13-3/8" OD 48# H40 ST&C new casing set at 625'
17-1/2" hole

Intermediate: 9-5/8" OD 36# K55/HCK55 ST&C new casing from 0-4500'
12-1/4" hole

Production: 5-1/2" OD 17# N80-HP110 LT&C new casing from 0-12500'
8-3/4" hole 8750'-N80 3650'-HP110

CEMENT: Surface - Circulate cement with 350sx HES light PP w/ 2% CaCl₂
+ .25#/sx Flocele followed by 250sx PP w/ 2% CaCl₂ + .25#/sx Flocele.

Intermediate - Circulate cement with 1100sx IFC w/ .25#/sx Flocele
followed by 200sx PP w/ 2% CaCl₂.

Production - Cement with 600sx Interfill H w/ .1% HR-7 followed by
400sx Super H w/ .5% HR-344 + .4% CFR-3 + 5#/sx Gilsonite + 1#/sx
salt + .2% HR-7. Estimated top of cement is 7500'.

Note: Cement volumes may need to be adjusted to hole caliper.

MUD: 0-625' Fresh water/native mud. Lime for pH control
(9-10). Paper for seepage.
Wt 8.7-9.2 ppg, Vis 32-34 sec

625-4500' Fresh/*Brine water. Lime for pH control (10.0-
10.5). Paper for seepage.
Wt 8.3-9.0/10.0-10.1ppg, Vis 28-29 sec
*Fresh water will be used unless chlorides in
the mud system increases to 20000PPM.

4500-8700' Fresh water. Lime for pH control (9-9.5). Paper
for seepage.
Wt 8.3-8.5 ppg, Vis 28-29 sec

8700-10000' Cut brine. Lime for pH control (10-10.5).
Wt 9.6-10.0 ppg, Vis 28-29sec

10000-12500' Mud up with an Duo Vis/Flo Trol mud system.
Wt 9.6-10.0ppg, Vis 32-36sec, WL<10cc

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102

Revised JUNE 10, 2003

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

DISTRICT I
1225 N. FRENCH DR., HOBBS, NM 88240

DISTRICT II
1301 W. GRAND AVENUE, ARTESIA, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Artec, NM 87410

DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

AMENDED REPORT

API Number 30-015-	Pool Code 96996	Pool Name Undesignated Fren Morrow, Northeast
Property Code	Property Name OXY HARRIER FEDERAL	Well Number 1
OGRID No. 192463	Operator Name OXY U.S.A. W.T.P., LP	Elevation 4078'

Surface Location

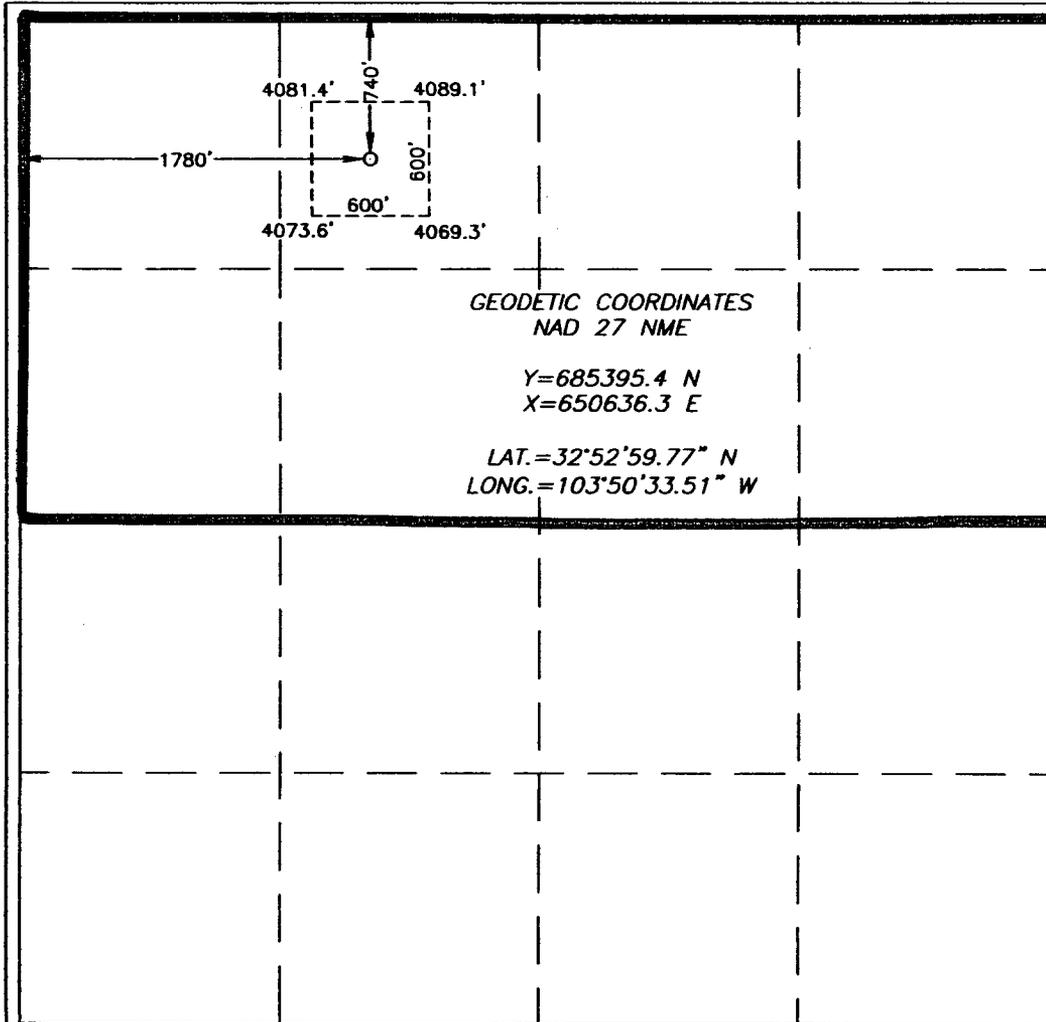
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	35	16-S	31-E		740	NORTH	1780	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres 320	Joint or Infill N	Consolidation Code	Order No.
------------------------	----------------------	--------------------	-----------

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



OPERATOR CERTIFICATION

I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.

David Stewart
 Signature
 David Stewart
 Printed Name
 Sr. Regulatory Analyst
 Title
 10/6/05
 Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

SEPTEMBER 13, 2005

Date Surveyed
 Signature & Seal
 Professional Surveyor
 GARY E. EDGEMAN
 NEW MEXICO
 05.11.1392
 Certificate No. GARY EDGEMAN 12641

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

Form C-144
March 12, 2004

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes No
Type of action: Registration of a pit or below-grade tank Closure of a pit or below-grade tank

Operator: OXY U.S.A. W.T.P. Limited Partnership Telephone: 432.685.5683 e-mail address: fred_ray@oxy.com

Address: P.O. Box 50250 Midland, TX 79710

Facility or well name: OXY Harrier No. 1 API #: 30-015 U/L or Qtr/Qtr: NENW (C) Sec 35 T 16S R 31E

County: Eddy Latitude 32°52'59.77"N Longitude 103°50'33.51"W NAD: 1927 1983 Surface Owner Federal State Private Indian

Pit Type: Drilling <input checked="" type="checkbox"/> Production <input type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input checked="" type="checkbox"/> Unlined <input type="checkbox"/> Liner type: Synthetic <input type="checkbox"/> Thickness 12 mil Clay <input type="checkbox"/> Volume 11000 bbl	Below-grade tank Volume: ___ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not. _____
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet (20 points) 50 feet or more, but less than 100 feet (10 points) 100 feet or more (0 points) 0
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes (20 points) No (0 points) 0
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet (20 points) 200 feet or more, but less than 1000 feet (10 points) 1000 feet or more (0 points) 0
Ranking Score (Total Points)	
0	

If this is a pit closure: (1) attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: onsite offsite If offsite, name of facility _____. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No Yes If yes, show depth below ground surface _____ ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines , a general permit , or an (attached) alternative OCD-approved plan .
Date: October 3, 2005

Printed Name/Title: Fred Ray / Operation Specialist Signature: *Fred Ray*

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval: **OCT 14 2005** Field Supervisor

Printed Name/Title: _____ Signature: *[Signature]*

EXHIBIT A

ANNULAR PREVENTOR
TO BE USED AS DIVERTOR ONLY

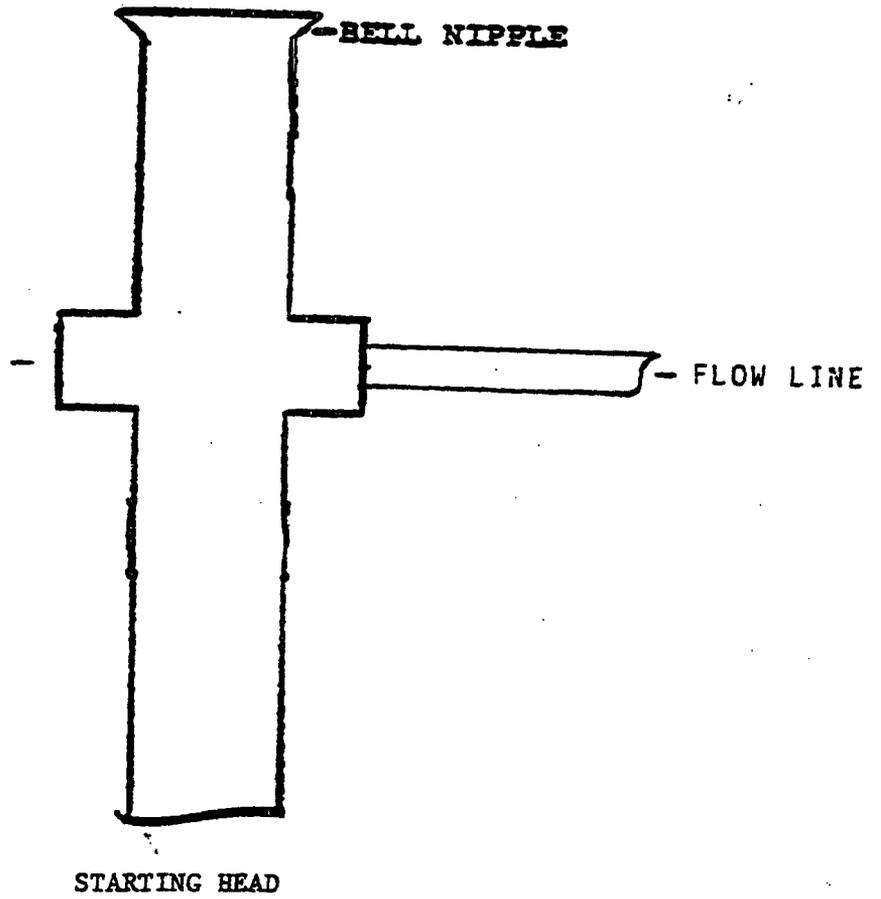
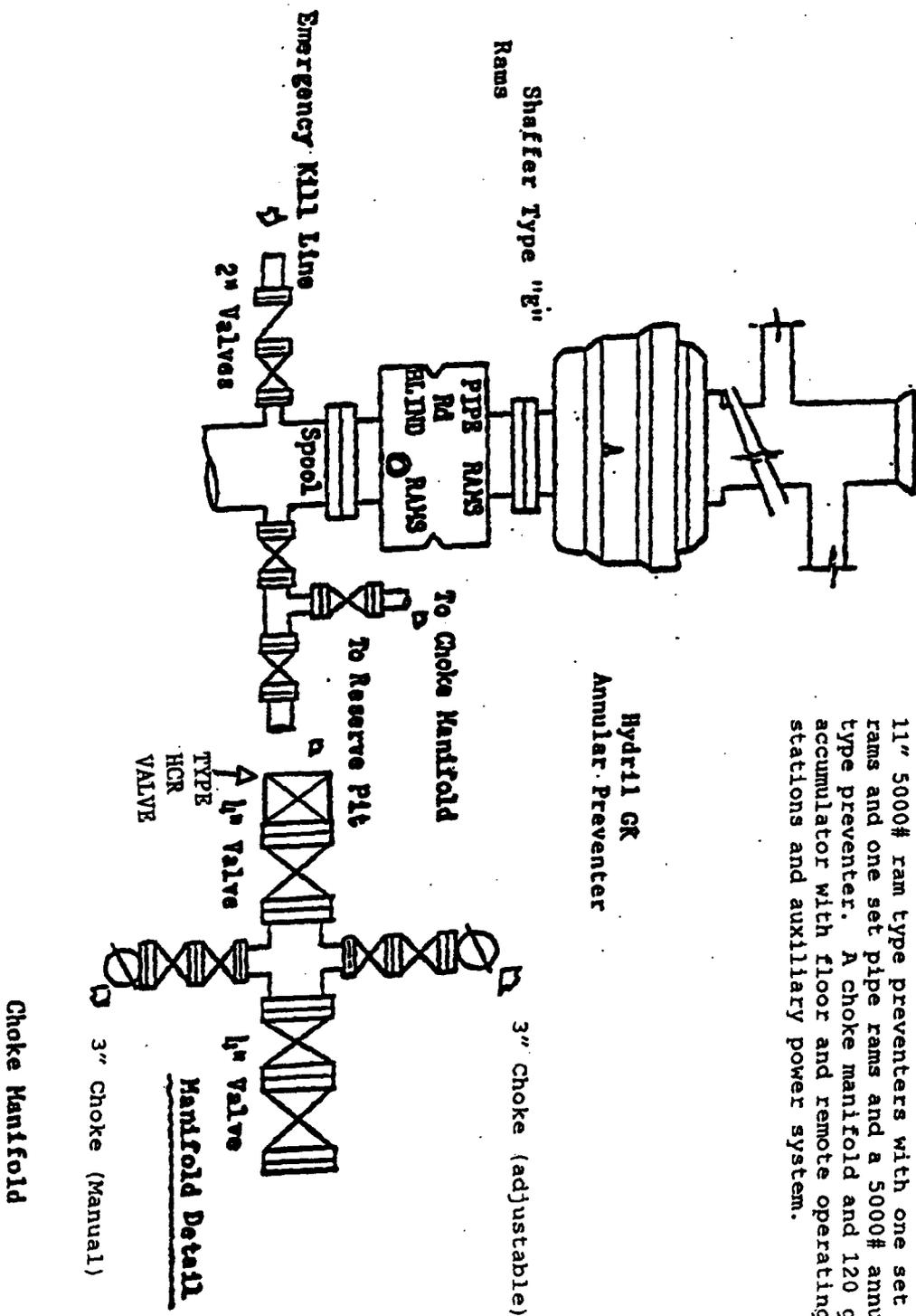


EXHIBIT A

BLOWOUT PREVENTOR SCHEME



11" 5000# ram type preventers with one set blind rams and one set pipe rams and a 5000# annular type preventer. A choke manifold and 120 gallon accumulator with floor and remote operating stations and auxiliary power system.

MULTI-POINT SURFACE USE AND OPERATIONS PLAN

OXY USA WTP Limited Partnership
OXY Harrier Federal #1
Eddy County, New Mexico
Lease No. LC-29438-A

This plan is submitted with the Application for Permit to Drill the above described well. The purpose of the plan is to identify the location of the proposed well, the proposed construction activities and operations plan, the magnitude of necessary surface disturbance involved and the procedures to be followed in rehabilitating the surface after completion of the operation so that a complete appraisal may be made of the environmental effects associated with the operation.

The well, and work area have been staked by a registered New Mexico land surveyor. Boone Archaeological Services, LLC has been engaged to make an archaeological reconnaissance of the work area. Their findings concerning cultural resources will be reported to the Bureau of Land Management.

1. Existing Roads

A copy of a USGS "Maljamar NE, New Mexico" quadrangle map is attached showing the proposed location. The well location is spotted on this map, which also shows the existing road system. Exhibit B.

Directions to location:

From the intersection of CR 220 and CR 252, go east-northeast on CR 252 approximately 5.1 miles. Turn left at the Tom R. Cone well #1 and go north approx. 0.1 miles. Existing road bends right and go northeast approx. 0.15 miles. Road bends left and goes northwest approx. 0.16 miles. Location is approximately 600' south.

2. Planned Access Road

- A. A new access road will be built. The access road will run approximately 998' southwest from an existing road to the location. Exhibit B.
- B. Surfacing material: Six inches of caliche and water, compacted and graded.
- C. Maximum Grade: Less than 3%
- D. Turnouts: None needed
- E. Drainage Design: N/A
- F. Culverts: None needed
- G. Cuts and Fills: Leveling the location will require minimal cuts or fills.
- H. Gates or Cattleguards: None required

3. Existing wells within a one mile radius of the proposed development well are shown on Exhibit C.

Multi-Point Surface Use and Operations Plan
OXY Harrier Federal #1
Page 2

4. Location of Existing and/or Proposed Facilities

- A. If the well is productive, production facilities will be constructed on the well pad. The facility will consist of a stack pack, one 300 bbl oil tank and one 300 bbl fiberglass water tank. All permanent above ground facilities will be painted in accordance with the BLM's painting guidelines simulating the color of sandstone brown.
- B. All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to and a site security plan will be submitted for the OXY Harrier Federal #1 tank battery. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.

5. Location and Type of Water Supply

Fresh water and brine water will be used to drill this well. It will be purchased from a supply in Loco Hills and transported to the well site.

6. Source of Construction Materials

Caliche for surfacing the well pad will be obtained from a federal pit located in the Section 33, T16S, R31E, Eddy County NM.

7. Method of Handling Waste Disposal

- A. Drill Cuttings will be disposed of in drilling pits.
- B. Drilling fluids will be allowed to evaporate in the drilling pits until pits are dry.
- C. Water produced during tests will be disposed of in the drilling pits. Oil produced during tests will be stored in test tanks until sold.
- D. Current laws and regulations pertaining to the disposal of human waste will be complied with.
- E. Trash, waste paper, garbage and junk will be collected in steel trash bins and removed after drilling and completion operations are completed. All waste material will be contained to prevent scattering by the wind.
- F. All trash and debris will be removed from the wellsite within 30 days after finishing drilling and/or completion operations.

8. Ancillary Facilities

- A. None needed.

9. Wellsite Layout

- A. The location and dimensions of the well pad, mud pits, reserve pit and location of major rig components are shown on the well site layout sketch. The V-door will be to the east and the pits to the north. See attachment.
- A. Leveling of the wellsite will be required with minimal cuts or fills anticipated.

Multi-Point Surface Use and Operations Plan
OXY Harrier Federal #1
Page 3

- B. The reserve pit will be plastic lined.
- C. While constructing the pits and material is encountered at a depth which would not allow the pits to meet the BLM stipulations without blasting, OXY requests a variance. There will be an adequate amount of material to reclaim the pit per the stipulations.
- D. The pad and pit area have been staked and flagged.

10. Plans for Restoration of the Surface

- A. After completion of drilling and/or completion operations, all equipment and other materials not needed for operations will be removed.
- B. Pits will be filled and location cleaned of all trash and junk to leave the well site in as aesthetically pleasing condition as possible. Any plastic material used to line the pits or sumps will be cut off below ground level as far as possible and disposed of before the pits are covered. All unattended pits containing liquid will be fenced and the liquid portion allowed to evaporate before the pits are broken and backfilled.
- C. After abandonment of the well, surface restoration will be in accordance with the land owner. This will be accomplished as expeditiously as possible. Barring unforeseen problems, all pits will be filled and leveled within 90 days after abandonment.

11. Surface Ownership

The wellsite is on federal owned surface. The surface is leased to: The Holeman Revocable Trust, P.O. Box 84, Maljamar, NM 88264. They will be notified of our intention to drill prior to any activity.

12. Other Information

- A. Topography: The location is a flat plain. GL elevation is 4078'.
- B. Soil: Sandy clay loams.
- C. Flora and Fauna: The vegetative cover is generally sparse consisting of mesquite, yucca, shinnery oak, sandsage and perennial native range grasses. Wildlife in the area is also sparse consisting of coyotes, rabbits, rodents, reptiles, dove and quail.
- D. Ponds and Streams: There are no rivers, streams, lakes or ponds in the area.
- E. Residences and Other Structures: None within 2 miles.
- F. Archaeological, Historical and Cultural Sites: Cultural resources have been recorded in the area. Boone Archaeological Services, LLC will be engaged to make an archaeological reconnaissance of the work area.
- G. Land Use: Cattle ranching.

Multi-Point Surface Use and Operations Plan**OXY Harrier Federal #1****Page 4**

- H. The well site, if a producer, will be maintained and kept clean of all trash and litter which detracts from the surrounding environment. Equipment will be maintained in accordance with good operating practice.
- I. After the wellsite is cleaned and pits and sumps backfilled, any obstruction to the natural drainage will be corrected by ditching or terracing. All disturbed areas, including any access road no longer needed, will be ripped. Those areas will be reseeded with grass if, in the opinion of the land owner, it is required.

13. Operator's Representatives and Certification

The field representative responsible for assuring compliance with the approved surface use and operations plan are as follows:

John Erickson
Production Coordinator
P.O. Box 69
Hobbs, New Mexico 88240
Office Phone: 505-393-2174
Cellular: 505-390-6426

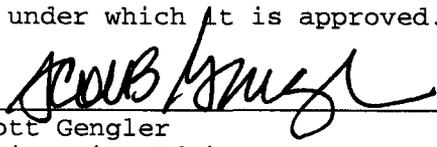
Joe Fleming
Drilling Coordinator
P.O. Box 50250
Midland, TX 79710-0250
Office Phone: 915-685-5858

Calvin C. (Dusty) Weaver
Operation Specialist
P.O. Box 2000
Levelland, TX 79336
Office Phone: 806-229-9467
Cellular: 806-893-3067

Terry Asel
Operation Specialist
1017 W. Stanolind Rd.
Hobbs, NM 88240
Office Phone: 505-397-8217
Cellular: 505-631-0393

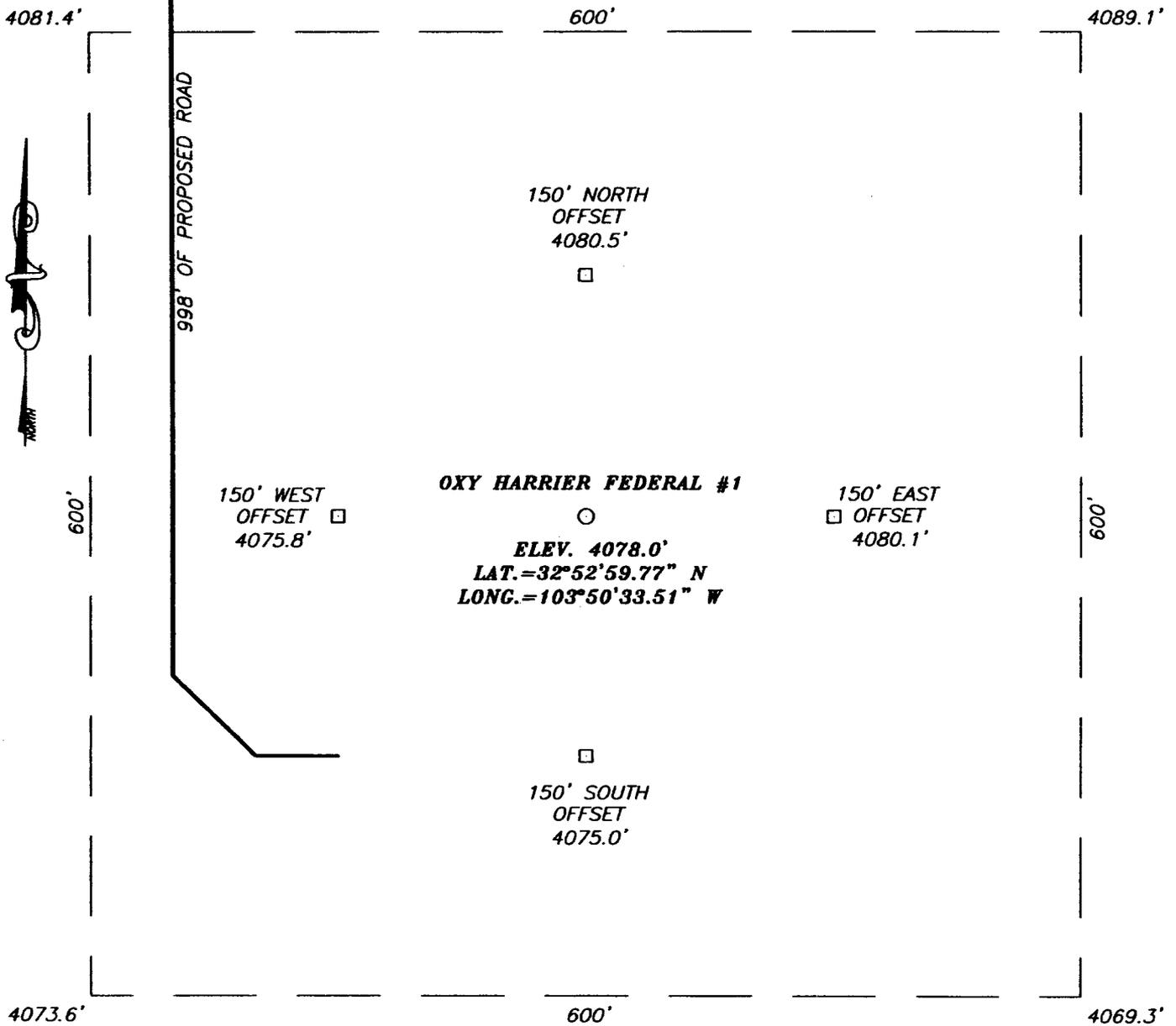
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by OXY USA WTP Limited Partnership and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

10/6/2005
DATE



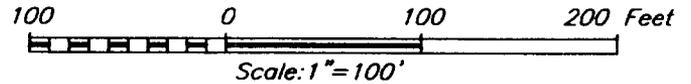
Scott Gengler
Engineering Advisor
432-685-5825
South Permian Asset Team
OXY USA WTP Limited Partnership

SECTION 35, TOWNSHIP 16 SOUTH, RANGE 31 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO



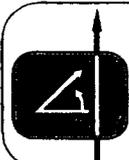
DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF SQUARE LAKE RD. (CO. RD. #220) & CO. RD. #252 (EAST SQUARE LAKE RD) GO EAST-NORTHEAST ON CO. RD. #252 APPROX. 5.1 MILES. TURN LEFT AT THE TOM R. CONE #1 WELL AND GO NORTH APPROX. 0.1 MILES. EXISTING ROAD BENDS RIGHT AND GO NORTHEAST APPROX. 0.15 MILES. ROAD BENDS LEFT AND GOES NORTHWEST APPROX. 0.16 MILES. THIS LOCATION IS APPROX. 600' SOUTH.



OXY U.S.A. W.T.P., LP

OXY HARRIER FEDERAL #1 WELL
LOCATED 740 FEET FROM THE NORTH LINE
AND 1780 FEET FROM THE WEST LINE OF SECTION 35,
TOWNSHIP 16 SOUTH, RANGE 31 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.



PROVIDING SURVEYING SERVICES
SINCE 1946
JOHN WEST SURVEYING COMPANY
412 N. DAL PASO
HOBBS, N.M. 88240
(505) 393-3117

Survey Date: 9/13/05	Sheet 1 of 1 Sheets
W.O. Number: 05.11.1392	Dr By: LA
Date: 9/20/05	Disk: CD#4
05111392	Scale: 1"=100'

**OXY USA WTP
Limited Partnership
PO Box 50250
Midland, TX 79710**

**Hydrogen Sulfide (H₂S)
Contingency Plan**

For

**Oxy Harrier Fed. No. 1
740 ft FNL, 1780 ft FWL
Sec 35, T16S, R31E
Eddy County, NM**

And

McVay Rig 8

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PREFACE

An effective and viable Contingency Plan is intended to provide prior planning and guidance in responding to emergency incidents. The primary considerations in its development are protection of personnel, the public, company and public property, and the environment.

Although the plan addresses varied emergency situations which may occur, it recognizes that flexibility and the use of the organization's knowledge and experience is critical to safe resolution of emergency incidents. Response actions outlined in the plan provide a framework, which may be placed into operation without confusion. These actions should promote quick and decisive actions during the critical initial period and immediately following an emergency. As the response progresses, additional guidelines and procedures may need to be implemented as the situation dictates. In addition, all emergency incidents must be properly reported per the Oxy Incident Reporting and Notification Policy, state and federal requirements, etc.

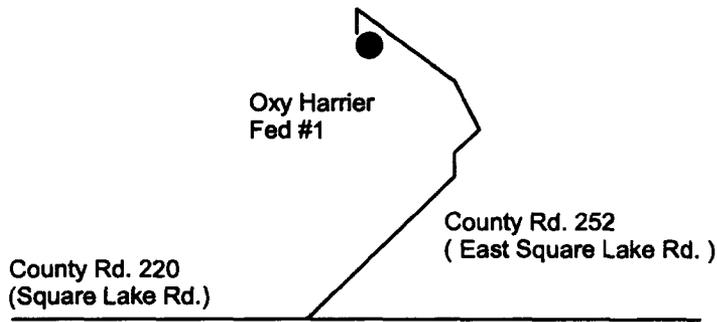
This Contingency Plan is intended for use on Oxy Downhole Services Group projects and the operations within their area of responsibility, such as drilling, critical well work, etc.

A copy of the Plan shall be maintained in the Top Dog House, Rig Managers trailer, and Company Representative's trailer if applicable.

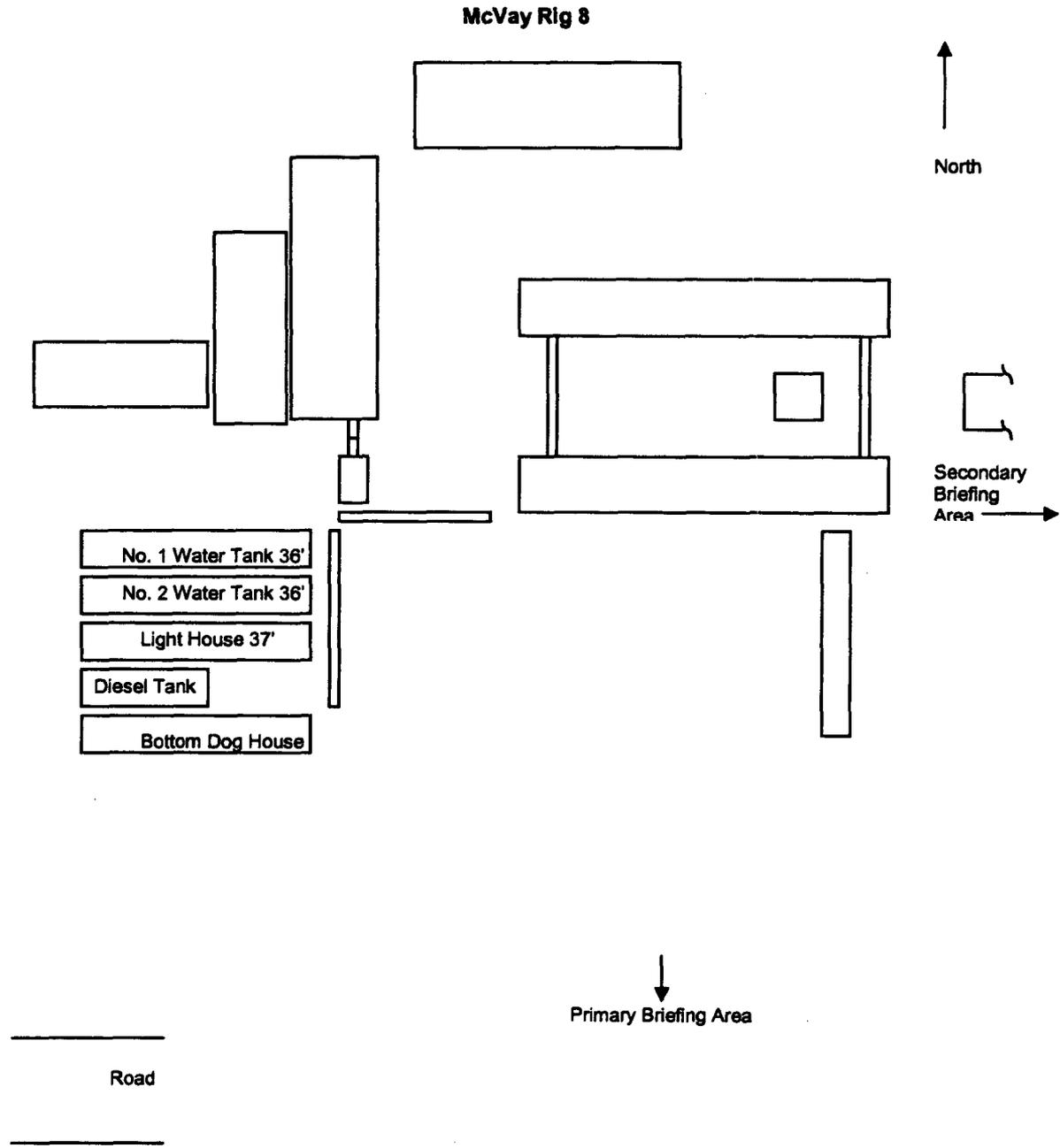
Oxy Harrier Fed No. 1
Y = 685395.4 N
X = 650636.3 E
Lat. 32°52'59.77 N
Long. 103°50'33.51" W



NORTH



DIRECTIONS TO LOCATION: From the intersection of CR 220 and CR 252, go east-northeast on CR 252 approximately 5.1 miles. Turn left at the Tom R. Cone well #1 and go north approx. 0.1 miles. Existing road bends right and go northeast approx. 0.15 miles. Road bends left and goes northwest approx. 0.16 miles. Location is approximately 600' south.



EMERGENCY RESPONSE ACTIVATION AND GENERAL RESPONSIBILITIES

Activation of the Emergency Action Plan

- A. In the event of any emergency situation, all personnel on location should first ensure that the following items are initiated. After that, they should refer to the appropriate Specific Emergency Guidance sections on pages ten (10) through twelve (12) in this document for further responsibilities:
1. Notify the senior ranking contract representative on site.
 2. Notify Oxy representative in charge.
 3. Notify civil authorities if the Oxy Representative can not be contacted and the situation dictates.
 4. Perform rescue and first aid as required (without jeopardizing additional personnel).

General Responsibilities

Oxy Permian Personnel:

- A. Operations Specialist: The Oxy Drilling/Critical Well Servicing Operations Specialist or contract personnel serving in that capacity will serve as Operations Chief Officer for all emergency incidents. The Operations Chief Officer is responsible for:
1. Notification to the Downhole Services Team Leader of the incident occurrence.
 2. Notification to the local RMT/PMT leader of the incident occurrence, and the need for the designated local RMT/PMT Incident Commander to act in that capacity for the response effort.
 3. Sole control of all tactical activities directed toward reducing the immediate hazard, establishing situational control and restoring the operations to a non-emergency state.
- B. Local RMT/PMT Designated Incident Commander: The Oxy local RMT/PMT Designated Incident Commander will serve as the overall Incident Commander for the drilling or critical well servicing emergency incident. The Incident Commander is responsible for:
1. Coordinating with the Downhole Services Team Leader for notification to the Oxy Crisis Management team of the incident occurrence.
 2. Establishing and managing the overall incident command structure and response from inception through restoration of normal activities in the area.
- C. Downhole Services HES Tech: The Downhole Services HES Tech (or his designate) is responsible for reporting to the incident as soon as reasonably possible, to provide support to the response effort as required by the Operations Chief Officer or the Incident Commander.

Contract Drilling Personnel will immediately report to their assigned stations and perform their duties as outlined in the appropriate Specific Emergency Guidance sections on pages ten (10) through twelve (12) in this document.

Other Contractor Personnel will report to the safe briefing area to assist Oxy personnel and civil authorities as requested when it is safe to do so and if they have been adequately trained in their assigned duties.

Civil Authorities (Law Enforcement, Fire, and EMS) will be responsible for:

1. Establishing membership in the Unified Incident Command.
2. As directed by the Incident Commander and the Unified Command, control site access, re-route traffic, and provide escort services for response personnel.
3. Perform all fire control activities in coordination with the Unified Command.
4. Initiate public evacuation plans as instructed by the Incident Commander.
5. Perform rescue or recovery activities with coordination from the Unified Command.
6. Provide medical assistance as dictated by the situation at hand.

H2S RELEASE

The following procedures and responsibilities will be implemented on activation of the H2S siren and lights.

All Personnel:

1. On alarm, don escape unit (if available) and report to upwind briefing area.

Rig Manager/Tool Pusher:

1. Check that all personnel are accounted for and their condition.
2. Administer or arrange for first aid treatment, and /or call EMTs as needed.
3. Identify two people best suited to secure well and perform rescue, and instruct them to don SCBA.
4. Notify Contractor management and Oxy Representative.
5. Remain at the briefing area, assess and monitor personnel and overall situation for hazards or conditions that might warrant a change in the action plan.

Two People Responsible For Shut-in and Rescue:

1. Don SCBA and acquire tools to secure well and perform rescue, i.e., wrenches, retrieval ropes, etc.
2. Utilize the buddy system to secure well and perform rescue(s).
3. Return to the briefing area and stand by for further instructions.

All Other Personnel:

1. Isolate the area and prevent entry by other persons into the 100 ppm ROE. Additionally the first responder(s) must evacuate any public places encompassed by the 100 ppm ROE. First responder(s) must take care not to injure themselves during this operation. Company and/or local officials must be contacted to aid in this operation. Evacuation of the public should be beyond the 100 ppm ROE.

Oxy Representative:

1. Remain at the briefing area, assess and monitor personnel and overall situation for hazards or conditions that might warrant a change in the action plan.
2. Notify Operation Specialists or Team Leader and RMT Leader or Local Incident Commander, and Police, Fire Department, or other local emergency services as required.

Training

There will be an initial training session prior to encountering a known or probable H2S zone (within 3 days or 500 feet) and weekly H2S and well control drills for all personnel in each crew. The initial training session shall include a review of the site specific H2S Drilling Operations Plan and the Public Protection Plan (Contingency Plan). This plan shall be available at the well site. All personnel will be required to carry documentation that they have received the proper training.

Ignition of Gas Source

Should control of the well be considered lost and ignition considered, take care to protect against exposure to Sulfur Dioxide (SO2). Intentional ignition must be coordinated with the NMOCD and local officials. Additionally the NM State Police shall be the Incident Command of any major release. Ignition of the well will be with the concurrence of the drilling team leader and the Oxy Crisis Management Team as time allows.

Characteristics of H2S and SO2

Common Name	Chemical Formula	Specific Gravity	Threshold Limit	Hazardous Limit	Lethal Concentration
Hydrogen Sulfide	H ₂ S	1.189 Air = 1	10 ppm	100 ppm	600 ppm
Sulfur Dioxide	SO ₂	2.21 Air = 1	2 ppm	N/A	1000 ppm

Contacting Authorities

Oxy Permian personnel must liaison with local and state agencies to ensure a proper response to a major release. Additionally, the OCD must be notified of the release as soon as possible but no later than 4 hours. Agencies will ask for information such as; type and volume of release, wind direction, location of release, etc. Be prepared with all information available. The following call list of essential and potential responders has been prepared for use during a release. This response plan must be in coordination with the State of New Mexico's 'Hazardous Materials Emergency Response Plan' (HMER).

WELL CONTROL

The following procedures will be implemented when a loss of primary control is indicated. Indicators of loss of primary control are flow from the well, an increase in pit volume, or when the drilling fluid used to fill the hole on trips is less than the calculated pipe displacement volume. The emergency signal for well control procedures will be a single long blast of the rig air horn.

Kick While Drilling - Procedures And Responsibilities

Driller:

1. Stop the rotary and hoist the kelly above the rotary table.
2. Stop the mud pump(s).
3. Check for flow.
4. If flowing, sound the alarm immediately.
5. Ensure that all crew members fill their responsibilities to secure the well.
6. Record drill pipe and casing shut-in pressures and pit volume increase and begin kill sheet.

Derrickman:

1. Go to BOP/choke manifold area.
2. Open choke line valve on BOP.
3. Signal to Floorman #1 that the choke line is open.
4. Close chokes after annular or pipe rams are closed.
5. Record shut-in casing pressure and pit volume increase.
6. Report readings and observations to Driller.
7. Verify actual mud weight in suction pit and report to Driller.
8. Be readily available as required for additional tasks.

Floorman # 1:

1. Go to accumulator control station and await signal from Derrickman.
2. Close annular preventer and HCR on signal (if available, if not then close pipe rams).
3. Record accumulator pressures and check for leaks in the BOP or accumulator system.
4. Report to Driller, and be readily available as required for additional tasks.

Floorman # 2:

1. Start water on motor exhausts.
2. Notify Contractor Tool Pusher or Rig Manager of well control situation.
3. Check location for ignition sources and extinguish or turn off, and stop any welding in progress.
4. Report to Driller, and be readily available as required for additional tasks.

Floorman # 3:

1. Stand-by with Driller, and be readily available as required for additional tasks.

Tool Pusher/Rig Manager:

1. Notify Oxy Representative and report to rig floor.
2. Review and verify all pertinent information.
3. Communicate information to Oxy Representative, and confer on an action plan.
4. Finalize well control worksheets, calculations and preparatory work for action plan.
5. Initiate and ensure the action plan is carried out.
6. Communicate any changes in well or site conditions, or any indications that the action plan needs to be revised to the Oxy representative.

Oxy Representative:

1. Notify Operation Specialists or Team Leader and RMT Leader or Local Incident Commander, and Police, Fire Department, or other local emergency services as required.

Kick While Tripping - Procedures and Responsibilities

Driller:

1. Sound the alarm immediately when pipe displacement volume is less than 75% of calculated.
2. Position the upper tool joint just above rotary table and set slips.
3. Check for flow.
4. Ensure that all crew members fill their responsibilities to secure the well.
5. Record drill pipe and casing shut-in pressures and pit volume increase, and begin kill sheets.

Derrickman: (same as while drilling)

Floor Man # 1:

1. Install full opening valve (with help from Floorman #2) in top drill string connection.
2. Tighten valve with make up tongs.
3. Go to accumulator control station and await signal from Derrickman.
4. Close annular preventer and HCR valve on signal (if available, if not then close pipe rams).
5. Record accumulator pressures and check for leaks in the BOP and accumulator system.
6. Report to Driller, and be readily available as required for additional tasks.

Floor Man # 2:

1. Assist installing full opening valve in drill string.
2. Position back-up tongs for valve make-up.
3. Start water on motor exhausts.
4. Notify Contractor Tool Pusher or Rig Manager of well control situation.
5. Check location for ignition sources and extinguish or turn off, and stop any welding in progress.
6. Report to Driller, and be readily available as required for additional tasks.

Floorman # 3, Rig Manager/Tool Pusher, and Oxy Representative: (same as while drilling)

PUBLIC RELATIONS

Oxy recognizes that the news media have a legitimate interest in incidents at Oxy facilities that could affect the public. It is to the company's benefit to cooperate with the news media when incidents occur because these media are our best liaison with the public.

Our objective is to see that all reports of any emergency are factual and represent the company's position fairly and accurately. Cooperation with news media representatives is the most reliable guarantee that this objective will be met.

All contract and Oxy employees are instructed **NOT** to make any statement to the media concerning the emergency incident. If a media representative contacts any employee, they should refer them to the designated Emergency Command Center where they should contact the Incident Commander or his designated relief for any information concerning the incident.

OXY PERMIAN DOWNHOLE SERVICES GROUP

	LOCATION	OFFICE	HOME	CELL	PAGER
Manager Operations Support					
Hardesty, Steve	Midland	432-685-5880	432/694-6441	713-560-8095	
Team Leader					
Pennington, Randy	Midland	432-685-5684	432/689-7642	432-556-0207	
			Toledo Bend =	318-590-2349	
Operations Specialists					
Fleming, Joe	Midland	432-685-5858	432/699-0875	432-425-6075	
Ray, Fred	Midland	432-685-5683	432/362-2857	432-661-3893	
HES Tech					
Thompson, Don	Midland	432-685-5719	432/684-3900	432-556-1505	

Emergency Notification Numbers

Public Authorities		
New Mexico State Police	Artesia	505/746-2704
New Mexico State Police	Carlsbad	505/885-3137
New Mexico State Police	Hobbs	505/392-5588
Eddy County Sheriff's Office	Artesia	505/746-2704
Eddy County Sheriff's Office	Carlsbad	505/887-7551
Lea County Sheriff's Office	Hobbs	505/393-2515
Local Emergency Planning Center	Eddy County	505/887-9511
Local Emergency Planning Center	Lea County	505/397-9231
New Mexico Oil & Gas Commission	Artesia	505/748-1283
New Mexico Oil & Gas Commission	Hobbs	505/393-6161
NM Emergency Response Center	Hobbs	505/827-9222

Emergency Services		
Fire Fighting, Rescue, Ambulance, Police	Artesia	911
Fire Fighting, Rescue, Ambulance, Police	Carlsbad	911
Fire Fighting, Rescue, Ambulance, Police	Hobbs	911
Flight For Life	Lubbock	806/743-9911
Aerocare	Lubbock	806/7478923
Med Flight Air Ambulance	Albuquerque	505/842-4433

Other Emergency Services		
Boots and Coots		1/800-256-9688
Cudd Pressure Control	Midland	432/699-0139
B.J. Services	Artesia	505/746-3569
Halliburton	Artesia	505/746-2757

**OXY Permian Production and Plant Personnel
OXY Permian Crisis Team Hotline Notification (713) 935-7210**

PERSON	LOCATION	OFFICE	FAX	CELL	PAGER
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Asset Management-Operations Areas					
OXY Permian General Manager: Tom Menges	Houston	(281) 552-1147	(281) 552-1484	(713) 560-8038	
South Permian Asset: Matt Hyde	Midland	(432) 685-5802	(432) 685-5930	(432) 556-5016	

RMT/PMT Leaders: South Permian Asset					
Frontier RMT: John Nicholas	Midland	(432) 685-5600	(432)	(432)	(432)

PERSON	LOCATION	OFFICE	FAX	CELL	PAGER
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Production Coordinators: S. Permian Asset					
New Mexico: John Erickson	Hobbs	(505) 393-2174	(505) 397-2671	(505) 390-6426	(505) 370-6836

**OXY Permian HES Personnel
OXY Permian Crisis Team Hotline Notification (713) 935-7210**

PERSON	LOCATION	OFFICE	FAX	CELL	PAGER
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HES Coordinators & Area of Responsibility					
Frontier: Ricky Tyler	Midland	(432) 685-5707	(432) 685-5742	(432) 556-5790	(432)

HES Techs & Area of Responsibility					
Hobbs RMT: Steve Bishop	Hobbs	(505) 397-8251	(505) 397-8204	(505) 390-4784	(877) 339-1954-1118#

Frontier-New Mexico: Rick Kerby	Hobbs	(505) 393-2174	(505) 393-2671	(505) 390-8639	(505) 370-6527
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OXY USA WTP Limited Partnership
P.O. Box 50250, Midland, TX 79710-0250

October 6, 2005

United States Department of the Interior
Bureau of Land Management
Roswell District Office
2909 West Second Street
Roswell, New Mexico 88201

Re: Application for Permit to Drill
OXY USA WTP Limited Partnership
OXY Harrier Federal #1
Eddy County, New Mexico
Lease No. LC-29438-A

Gentlemen:

OXY USA WTP Limited Partnership respectfully requests permission to drill our OXY Harrier Federal #1 located 740 FNL and 1780 FWL of Section 35, T16S, R31E, Eddy County, New Mexico, Federal Lease No. LC-29438-A. The proposed well will be drilled to a TD of approximately 12500' (TVD). The location and work area has been staked. It is approximately 7 miles northeast of Loco Hills, New Mexico.

In accordance with requirements stipulated in Federal Onshore Oil and Gas Order No. 1 under 43 CFR 3162.1, our Application for Permission to Drill and supporting evidence is hereby submitted.

I. Application for Permit to Drill:

1. Form 3160.3, Application for Permit to Drill.
2. Form C-102 Location and Acreage Dedication Plat certified by Gary G. Eidson, Registered Land Surveyor No. 12641 in the State of New Mexico, dated September 23, 2005.
3. The elevation of the unprepared ground is 4078 feet above sea level.
4. The geologic name of the surface formation is Permian Rustler.
5. Rotary drilling equipment will be utilized to drill the well to TD 12500' (TVD), and run casing. This equipment will then be rigged down and the well will be completed with a pulling unit.
6. Proposed total depth is 12500' TVD.
7. Estimated tops of important geologic markers.

Wolfcamp	8800' TVD
Strawn	11200' TVD
Atoka	11450' TVD
Morrow	11850' TVD

8. Estimated depths at which anticipated water, oil, gas or other mineral bearing formations are expected to be encountered:

Primary Objective:	Morrow	11850' TVD
Secondary Objective:	Atoka	11450' TVD

APD - OXY Harrier Federal #1

Page 2

9. The proposed casing program is as follows:

Surface: 13-3/8" 48# H40 ST&C new casing set at 625'

Intermediate: 9-5/8" 36# K55/HCK55 ST&C new casing from 0-4500'

Production: 5-1/2" 17# N80/HP110 LT&C new casing from 0-12500'

10. Casing setting depth and cementing program:

- A. 13-3/8" surface casing set at 625' in 17-1/2" hole.
Circulate cement with 350sx HES light PP w/ 2% CaCl₂ + .25#/sx Flocele followed by 250sx PP w/ 2% CaCl₂ + .25#/sx Flocele.

If cement does not circulate, a temperature survey will be run to find the TOC and then finish cementing to surface through 1" using Class C with 2% CaCl₂.

- B. 9-5/8" intermediate casing set at 4500' in 12-1/4" hole.
Circulate cement with 1100sx IFC w/ .25#/sx Flocele followed by 200sx PP w/ 2% CaCl₂.

If hole conditions dictate, a DV tool may be run to ensure that the intermediate string is cemented to surface.

If cement does not circulate, a temperature survey will be run to find the TOC and then finish cementing to surface through 1" using Class C with 2% CaCl₂.

Note: Cement volumes may be adjusted according to fluid caliper.

- C. 5-1/2" production casing set at 12500' in 8-3/4" hole.
Cement with 600sx Interfill H w/ .1% HR-7 followed by 400sx Super H w/ .5% HR-344 + .4% CFR-3 + 5#/sx Gilsonite + 1#/sx salt + .2% HR-7.

Estimated top of cement is 7500'.

Note: Cement volumes may need to be adjusted to hole caliper.

11. Pressure Control Equipment

0-625'	None
625-4500'	13-3/8" 3M annular preventer, to be used as divertor only. Exhibit A
4500-12500'	11" 5000# ram type preventers with one set blind rams and one set pipe rams and a 5000# annular type preventer. A choke manifold and 120 gallon accumulator with floor and remote operating stations and auxiliary power system. Rotating head below 8500'. Exhibit A.

APD - OXY Harrier Federal #1

Page 3

A kelly cock will be installed and maintained in operable condition and a drill string safety valve in the open position will be available on the rig floor.

After setting the 9-5/8" casing, the blowout preventers and related control equipment shall be pressure tested to 5000 psi. Any equipment failing to test satisfactorily shall be repaired or replaced. Results of the BOP test will be recorded in the Driller's Log. The BOP's will be maintained ready for use until drilling operations are completed.

BOP drills will be conducted as necessary to assure that equipment is operational and each crew is properly trained to carry out emergency duties.

Accumulator shall maintain a pressure capacity reserve at all times to provide for the close-open-close sequence of the blind and pipe rams of the hydraulic preventers.

12. Mud Program:

0-625'	Fresh water/native mud. Lime for pH control (9-10). Paper for seepage. Wt.8.7-9.2 ppg, vis 32-34 sec.
625-4500'	Fresh/*brine water. Lime for pH control (10-10.5). Paper for seepage. Wt. 8.3-9.0/10.0-10.1ppg, vis 28-29 sec. *Fresh water will be used unless chlorides in the mud system increase to 20000PPM.
4500-8700'	Fresh water. Lime for pH control (9-9.5). Paper for seepage. Wt. 8.3-8.5 ppg, vis 28-29 sec.
8700-10000'	Cut brine. Lime for pH control (10-10.5). Wt. 9.6-10.0 ppg, vis 28-29 sec.
10000-12500'	Mud up with an Duo Vis/Flo Trol system. Wt. 9.6-10.0 ppg, Vis 32-36sec, WL<10cc.

Mud system monitoring equipment with derrick floor indicators and visual/audio alarms shall be installed and operative prior to drilling into the Wolfcamp formation. This equipment will remain in use until the production casing is run and cemented. Monitoring equipment shall consist of the following:

- 1) A recording pit level indicator.
- 2) A pit volume totalizer.
- 3) A flowline sensor.

APD - OXY Harrier Federal #1

Page 4

13. Testing, Logging and Coring Program:
 - A. Testing program: No DST's are anticipated.
 - B. Mud logging program: One-man unit from 6000' to TD.
 - C. Electric logging program: CNL/LDT/CAL/GR, DLL/CAL/GR.
 - D. Coring program: Possible sidewall rotary cores.
14. No abnormal temperatures, or H2S gas are anticipated. H2S Contingency Plan is attached per NMOCD requirements. The highest anticipated pressure gradient would be .55psi/ft. Adequate flare lines will be installed off the mud/gas separator where gas may be flared safely.
15. Anticipated starting date is December 6, 2005. It should take approximately 30 days to drill the well and another 10 days to complete.
16. The Multi-Point Surface Use & Operation Plan is attached.
17. If the Bureau of Land Management needs additional information to evaluate this application, please advise.

Very truly yours,



David Stewart
Sr. Regulatory Analyst
OXY USA WTP LP

DRS/drs

Attachments

CONDITIONS OF APPROVAL - DRILLING

Operator's Name: OXY USA WTP LIMITED PARTNERSHIP
 Well Name & No. 1 – OXY HARRIER FEDERAL
 Location: 740' FNL & 1780' FWL – SEC 35 – T16S – R31E – EDDY COUNTY
 Lease: LC-029438-A

.....
I. DRILLING OPERATIONS REQUIREMENTS:

1. The Bureau of Land Management (BLM) is to be notified at the Roswell Field Office, 2909 West Second St., Roswell NM 88201, (505) 627-0272 for wells in Chaves and Roosevelt Counties; the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220, (505) 234-5909 or (505) 361-2822 (After hours) - for wells in Eddy County; and the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (505) 393-3612 for wells in Lea County, in sufficient time for a representative to witness:

A. Spudding

B. Cementing casing: 13-3/8 inch 9-5/8 inch 5-1/2 inch

C. BOP tests

2 Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.

3. Submit a Sundry Notice (Form 3160-5, one original and five copies) for each casing string, describing the casing and cementing operations. Include pertinent information such as; spud date, hole size, casing (size, weight, grade and thread type), cement (type, quantity and top), water zones and problems or hazards encountered. The Sundry shall be submitted within 15 days of completion of each casing string. The reports may be combined into the same Sundry if they fall within the same 15 day time frame.

4. The API No. assigned to the well by NMOCD shall be included on the subsequent report of setting the first casing string.

II. CASING:

1. The 13-3/8 inch surface casing shall be set at 625 feet, below usable water and cement circulated to the surface. If cement does not circulate to the surface the appropriate BLM office shall be notified and a temperature survey or cement bond log shall be run to verify the top of the cement. Remedial cementing shall be completed prior to drilling out that string.

2. The minimum required fill of cement behind the 9-5/8 inch salt protection casing is **circulate cement to the surface.**

3. The minimum required fill of cement behind the 5-1/2 inch production casing is **cement shall extend upward a minimum of 500 feet above the uppermost hydrocarbon bearing interval.**

III. PRESSURE CONTROL:

1. All BOP systems and related equipment shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2. The BOP and related equipment shall be installed and operational before drilling below the 13-3/8 inch casing shoe and shall be tested as described in Onshore Order No. 2. Any equipment failing to test satisfactorily shall be repaired or replaced.
2. Minimum working pressure of the blowout preventer and related equipment (BOPE) required for drilling the surface and intermediate casing shall be 2000 psi. Minimum working pressure of the blowout preventer and related equipment (BOPE) required for drilling below the 9-5/8 inch casing shall be 5000 psi.
3. The appropriate BLM office shall be notified in sufficient time for a representative to witness the tests.
 - The tests shall be done by an independent service company.
 - The results of the test shall be reported to the appropriate BLM office.
 - Testing fluid must be water or an appropriate clear liquid suitable for sub-freezing temperatures. Use of drilling mud for testing is not permitted since it can mask small leaks.
 - Testing must be done in a safe workman-like manner. Hard line connections shall be required.
 - BOPE must be tested prior to drilling into the Wolfcamp Formation by an independent service company.

IV. DRILLING MUD:

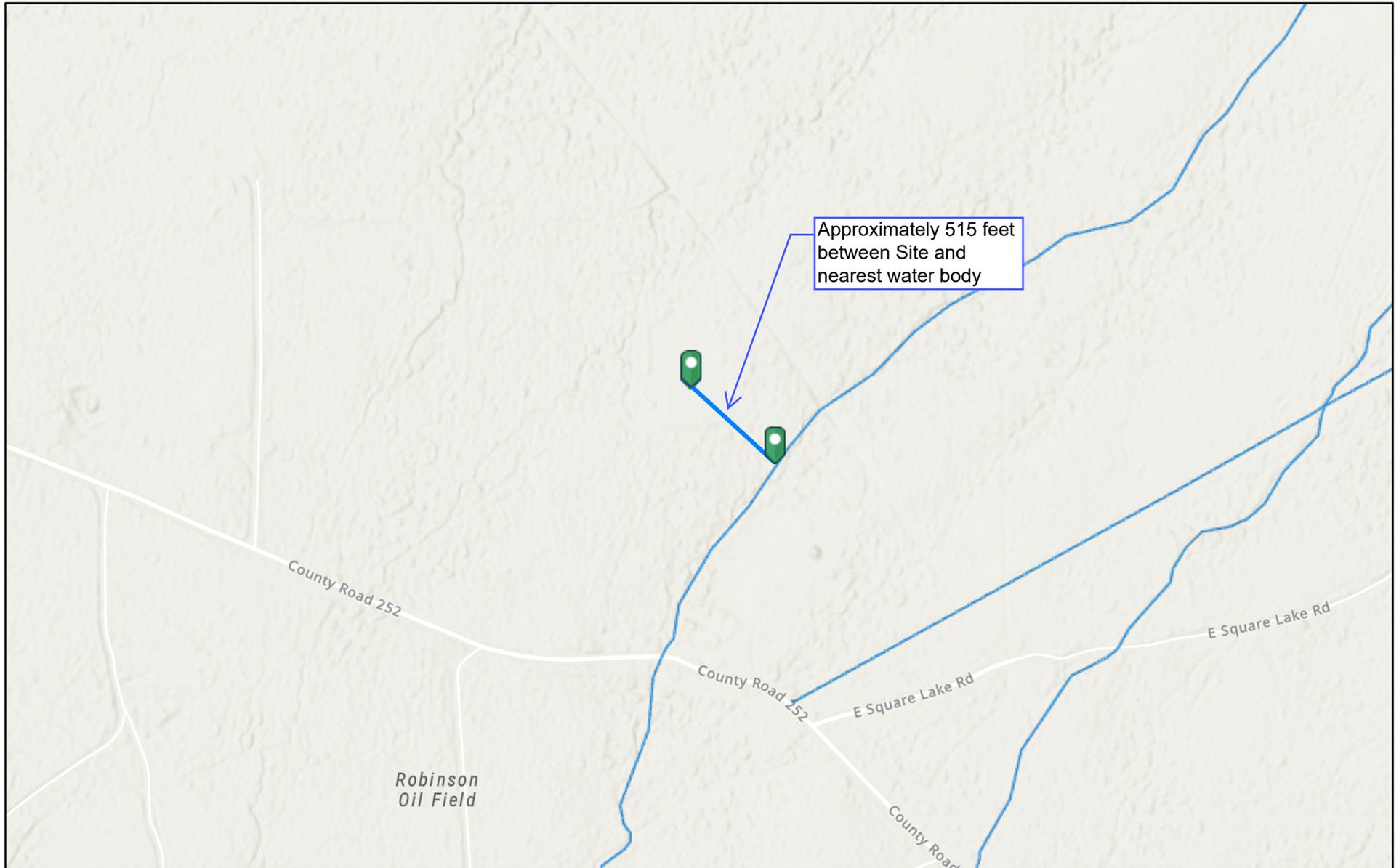
Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the Wolfcamp Formation, and shall be used until production casing is run and cemented. Monitoring equipment shall consist of the following:

1. Recording pit level indicator to indicate volume gains and losses.
2. Mud measuring device for accurately determining the mud volumes necessary to fill the hole during trips.
3. Flow-sensor on the flow line to warn of abnormal mud returns from the well.

APPENDIX B

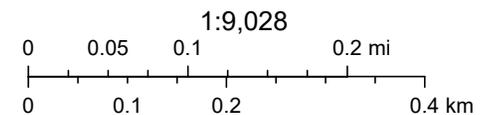
Site Characterization Data

OCD Water Bodies



9/19/2025, 2:23:49 PM

— OSE Streams



Esri, NASA, NGA, USGS, FEMA, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community,

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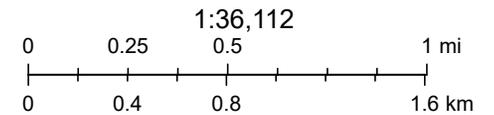
OCD Karst Areas



9/19/2025, 2:27:07 PM

Karst Occurrence Potential

Low



BLM, OCD, New Mexico Tech, Esri, NASA, NGA, USGS, FEMA, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors,

New Mexico Oil Conservation Division

NM OCD Oil and Gas Map. <http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75>: New Mexico Oil Conservation Division

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	Groundwater	United States	GO
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- Explore the *NEW* [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.

Groundwater levels for the Nation

i Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs
 site_no list =

- 325347103494901

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 325347103494901 16S.31E.23.444321

Eddy County, New Mexico
 Latitude 32°53'47", Longitude 103°49'49" NAD27
 Land-surface elevation 4,240 feet above NAVD88
 The depth of the well is 167 feet below land surface.
 This well is completed in the High Plains aquifer (N100HGHLN) national aquifer.
 This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1961-03-16			D 62610		4082.69	NGVD29	1	Z		
1961-03-16			D 62611		4084.37	NAVD88	1	Z		
1961-03-16			D 72019	155.63			1	Z		
1966-03-31			D 62610		4083.27	NGVD29	P	Z		
1966-03-31			D 62611		4084.95	NAVD88	P	Z		
1966-03-31			D 72019	155.05			P	Z		
1971-03-30			D 62610		4084.92	NGVD29	1	Z		
1971-03-30			D 62611		4086.60	NAVD88	1	Z		
1971-03-30			D 72019	153.40			1	Z		
1976-05-05			D 62610		4083.75	NGVD29	1	Z		
1976-05-05			D 62611		4085.43	NAVD88	1	Z		
1976-05-05			D 72019	154.57			1	Z		
1981-03-13			D 62610		4084.97	NGVD29	1	Z		
1981-03-13			D 62611		4086.65	NAVD88	1	Z		
1981-03-13			D 72019	153.35			1	Z		
1986-01-21			D 62610		4083.22	NGVD29	1	Z		
1986-01-21			D 62611		4084.90	NAVD88	1	Z		

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement
1986-01-21		D	72019	155.10			1	Z
1994-03-09		D	62610		4081.99	NGVD29	1	S
1994-03-09		D	62611		4083.67	NAVD88	1	S
1994-03-09		D	72019	156.33			1	S
1996-01-30		D	62610		4085.59	NGVD29	1	S
1996-01-30		D	62611		4087.27	NAVD88	1	S
1996-01-30		D	72019	152.73			1	S

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	P	Pumping
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Title: Groundwater for USA: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>



Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2025-09-30 15:26:55 EDT

0.35 0.29 nadww01



National Wetlands Inventory Map



September 19, 2025

Wetlands

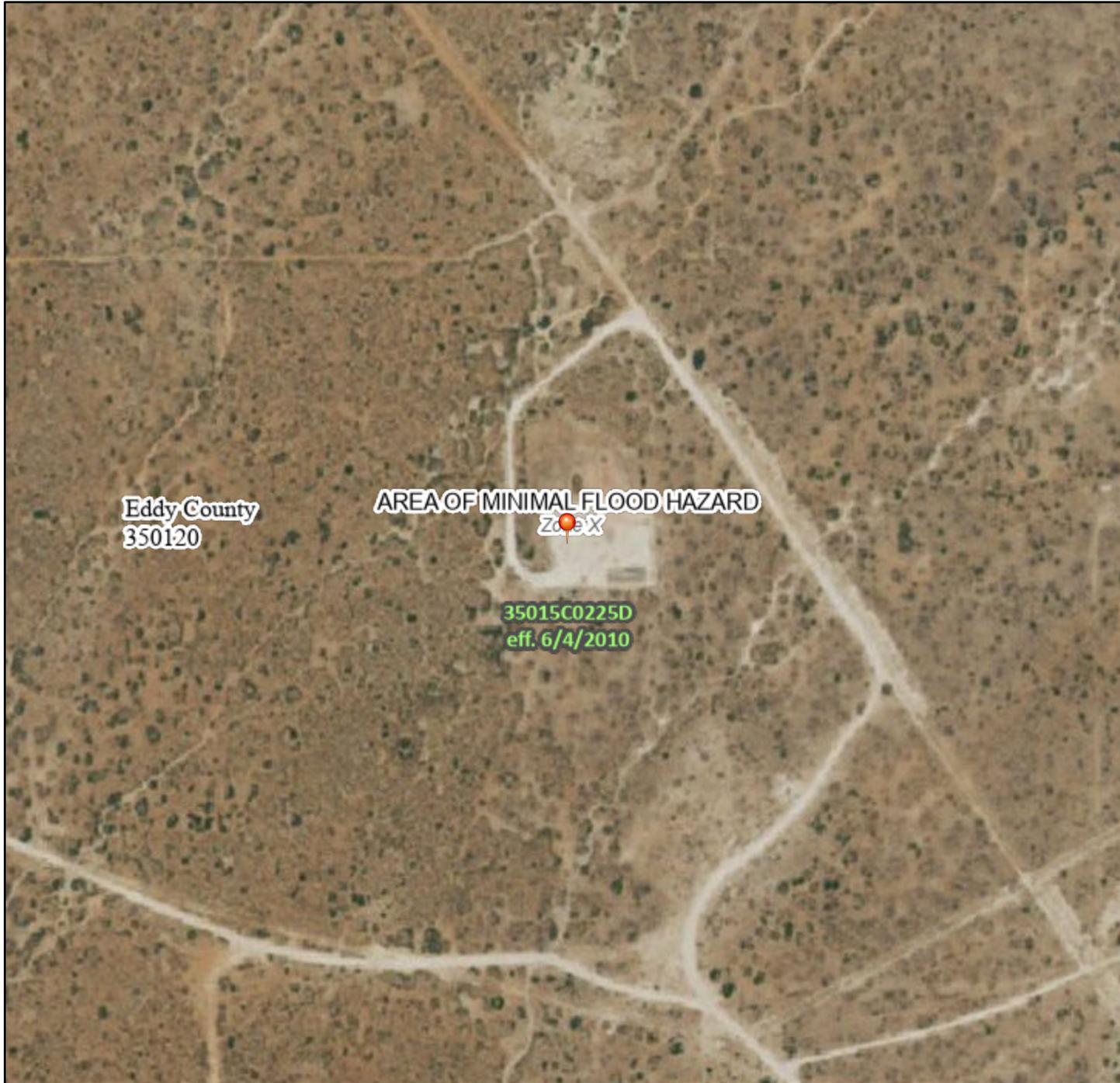
- | | | |
|--------------------------------|-----------------------------------|----------|
| Estuarine and Marine Deepwater | Freshwater Emergent Wetland | Lake |
| Estuarine and Marine Wetland | Freshwater Forested/Shrub Wetland | Other |
| | Freshwater Pond | Riverine |

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Flood Hazard Layer FIRMette



103°50'55"W 32°53'15"N



Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

- | | | |
|------------------------------------|--|--|
| SPECIAL FLOOD HAZARD AREAS | | Without Base Flood Elevation (BFE)
<i>Zone A, V, A99</i> |
| | | With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i> |
| | | Regulatory Floodway |
| OTHER AREAS OF FLOOD HAZARD | | 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i> |
| | | Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i> |
| | | Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i> |
| | | Area with Flood Risk due to Levee <i>Zone D</i> |
| OTHER AREAS | | NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i> |
| | | Effective LOMRs |
| GENERAL STRUCTURES | | Area of Undetermined Flood Hazard <i>Zone D</i> |
| | | Channel, Culvert, or Storm Sewer |
| | | Levee, Dike, or Floodwall |
| OTHER FEATURES | | 20.2 Cross Sections with 1% Annual Chance Water Surface Elevation |
| | | 17.5 Cross Sections with 1% Annual Chance Water Surface Elevation |
| | | Coastal Transect |
| | | Base Flood Elevation Line (BFE) |
| | | Limit of Study |
| | | Jurisdiction Boundary |
| MAP PANELS | | Coastal Transect Baseline |
| | | Profile Baseline |
| | | Hydrographic Feature |
| | | Digital Data Available |
| | | No Digital Data Available |
| | | Unmapped |
- The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.



1:6,000

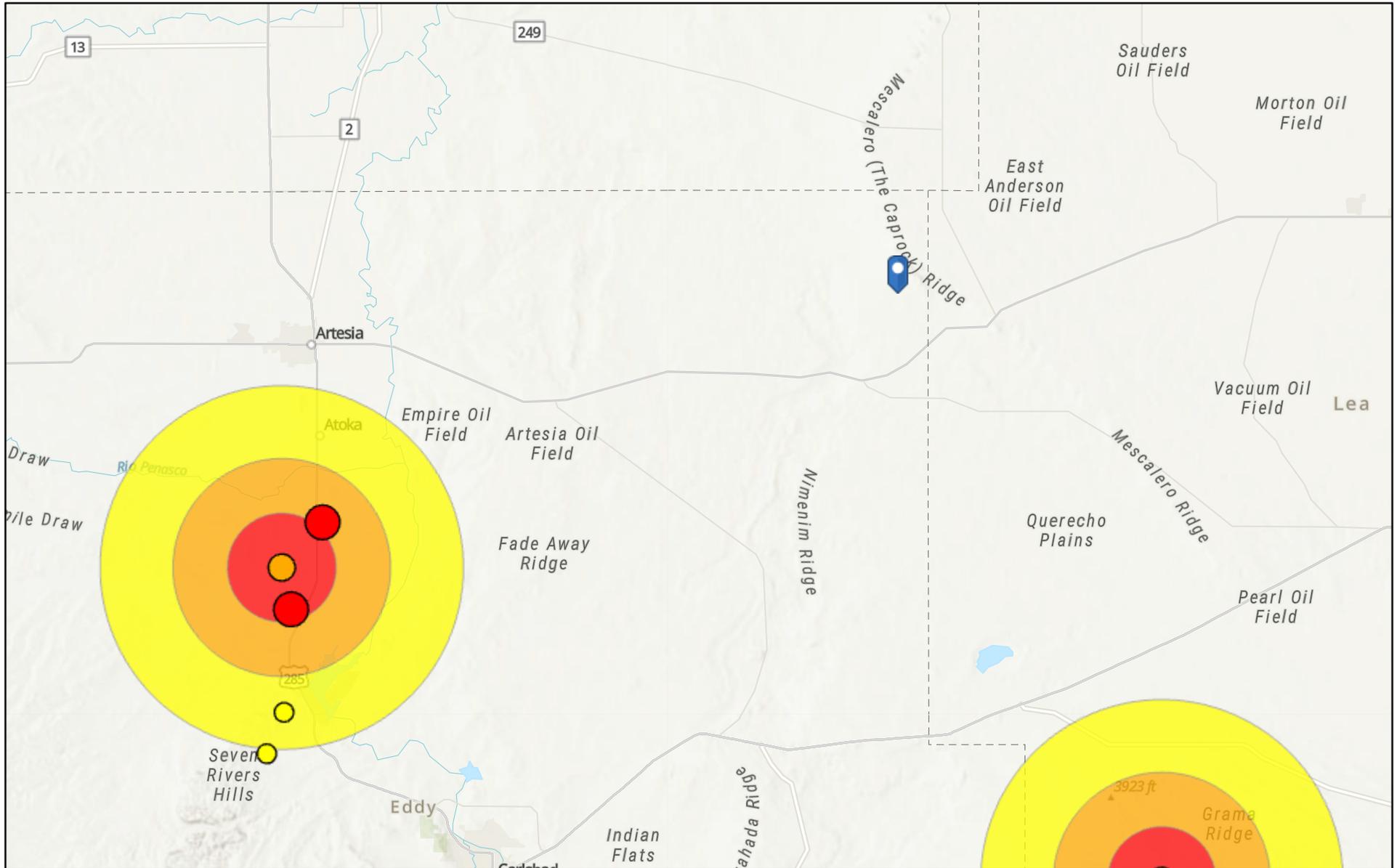
103°50'18"W 32°52'45"N

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

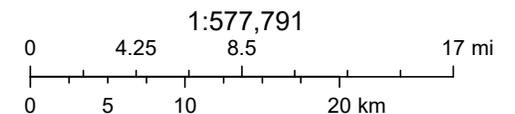
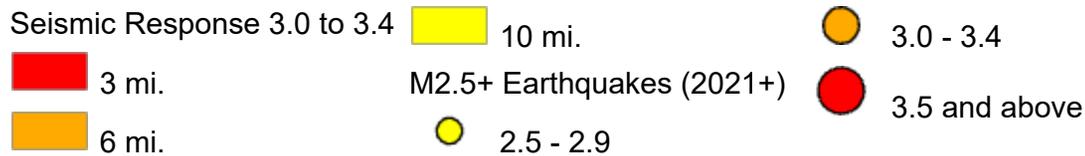
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/19/2025 at 10:02 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

OCD Induced Seismicity Map



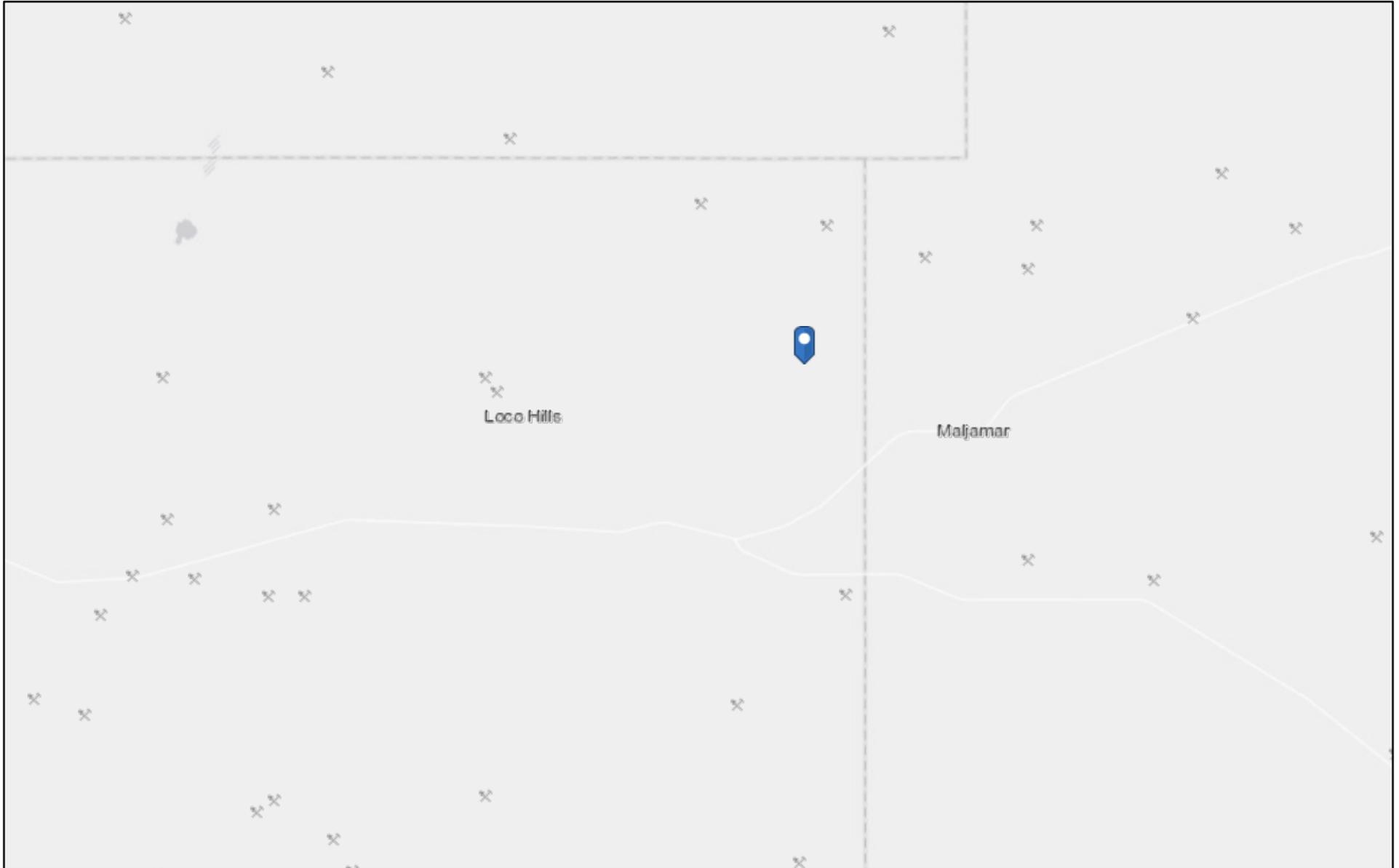
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Oil Conservation Division (OCD), Energy, Minerals and Natural Resources Department (EMNRD), Esri, CGIAR, USGS, Sources: Esri, TomTom, Garmin,

New Mexico Oil Conservation Division

Active Mines in New Mexico



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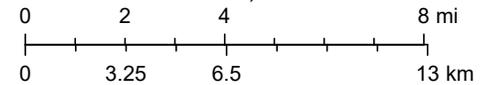
Registered Mines

x Aggregate, Stone etc.

x Aggregate, Stone etc.

x Aggregate, Stone etc.

1:288,895

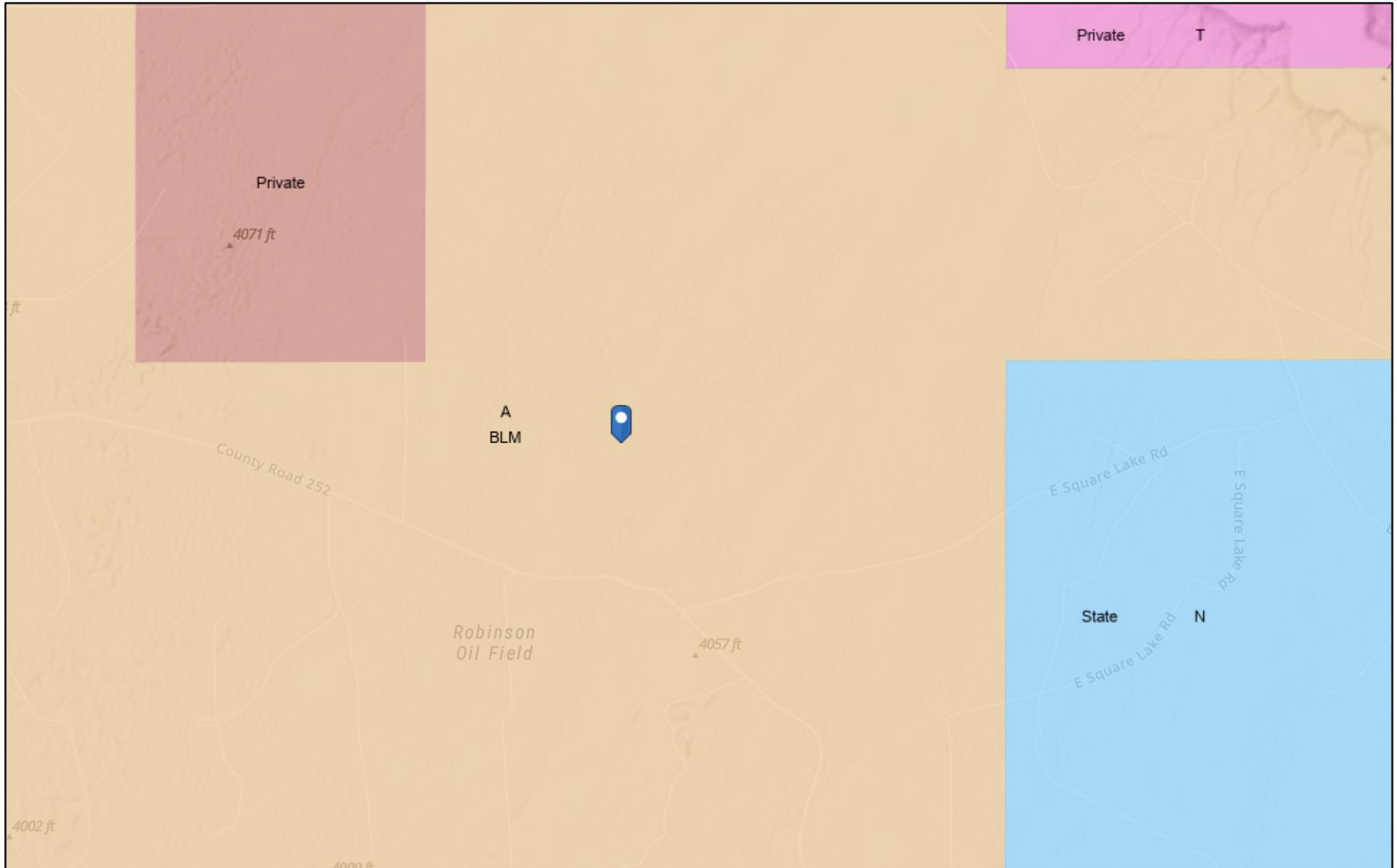


Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, USGS, EPA, NPS, Esri, HERE, NPS

EMNRD MMD GIS Coordinator

NM Energy, Minerals and Natural Resources Department (<http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=1b5e577974664d689b47790897ca2795>)

OCD Surface Ownership Map



9/19/2025, 2:26:11 PM

Mineral Ownership

A-All minerals are owned by U.S.

N-No minerals are owned by the U.S.

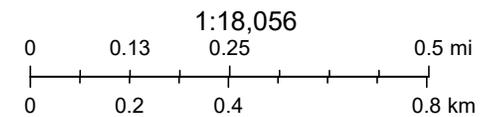
T-Other minerals are owned by the U.S.

Land Ownership

BLM

P

S



U.S. BLM, Esri, NASA, NGA, USGS, FEMA, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User

New Mexico Oil Conservation Division

APPENDIX C

Laboratory Analytical Data



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 14, 2025

SAM CHAMA

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: OXY HARRIER FEDERAL #001

Enclosed are the results of analyses for samples received by the laboratory on 08/08/25 11:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
 SAM CHAMA
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	08/08/2025	Sampling Date:	08/07/2025
Reported:	08/14/2025	Sampling Type:	Soil
Project Name:	OXY HARRIER FEDERAL #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	EDDY COUNTY, NM		

Sample ID: AH 1 (H254891-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2025	ND	1.85	92.7	2.00	0.280	
Toluene*	<0.050	0.050	08/08/2025	ND	1.89	94.5	2.00	2.89	
Ethylbenzene*	<0.050	0.050	08/08/2025	ND	1.89	94.5	2.00	3.64	
Total Xylenes*	<0.150	0.150	08/08/2025	ND	5.89	98.2	6.00	3.65	
Total BTEX	<0.300	0.300	08/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/11/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2025	ND	233	116	200	0.152	
DRO >C10-C28*	<10.0	10.0	08/08/2025	ND	229	115	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	08/08/2025	ND					

Surrogate: 1-Chlorooctane 97.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.6 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
 SAM CHAMA
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	08/08/2025	Sampling Date:	08/07/2025
Reported:	08/14/2025	Sampling Type:	Soil
Project Name:	OXY HARRIER FEDERAL #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	EDDY COUNTY, NM		

Sample ID: AH 2 (H254891-02)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/08/2025	ND	1.85	92.7	2.00	0.280		
Toluene*	<0.050	0.050	08/08/2025	ND	1.89	94.5	2.00	2.89		
Ethylbenzene*	<0.050	0.050	08/08/2025	ND	1.89	94.5	2.00	3.64		
Total Xylenes*	<0.150	0.150	08/08/2025	ND	5.89	98.2	6.00	3.65		
Total BTEX	<0.300	0.300	08/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/11/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/08/2025	ND	233	116	200	0.152		
DRO >C10-C28*	<10.0	10.0	08/08/2025	ND	229	115	200	3.14		
EXT DRO >C28-C36	<10.0	10.0	08/08/2025	ND						

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 SAM CHAMA
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	08/08/2025	Sampling Date:	08/07/2025
Reported:	08/14/2025	Sampling Type:	Soil
Project Name:	OXY HARRIER FEDERAL #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	EDDY COUNTY, NM		

Sample ID: AH 3 (H254891-03)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/08/2025	ND	1.85	92.7	2.00	0.280		
Toluene*	<0.050	0.050	08/08/2025	ND	1.89	94.5	2.00	2.89		
Ethylbenzene*	<0.050	0.050	08/08/2025	ND	1.89	94.5	2.00	3.64		
Total Xylenes*	<0.150	0.150	08/08/2025	ND	5.89	98.2	6.00	3.65		
Total BTEX	<0.300	0.300	08/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/11/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/08/2025	ND	233	116	200	0.152		
DRO >C10-C28*	<10.0	10.0	08/08/2025	ND	229	115	200	3.14		
EXT DRO >C28-C36	<10.0	10.0	08/08/2025	ND						

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.4 % 40.6-153

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Analytical Results For:

TETRA TECH
 SAM CHAMA
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	08/08/2025	Sampling Date:	08/07/2025
Reported:	08/14/2025	Sampling Type:	Soil
Project Name:	OXY HARRIER FEDERAL #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	EDDY COUNTY, NM		

Sample ID: AH 4 (H254891-04)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/11/2025	ND	1.98	98.9	2.00	10.0		
Toluene*	<0.050	0.050	08/11/2025	ND	1.97	98.7	2.00	8.12		
Ethylbenzene*	<0.050	0.050	08/11/2025	ND	1.96	98.2	2.00	6.50		
Total Xylenes*	<0.150	0.150	08/11/2025	ND	5.96	99.3	6.00	5.89		
Total BTEX	<0.300	0.300	08/11/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/11/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/08/2025	ND	233	116	200	0.152		
DRO >C10-C28*	<10.0	10.0	08/08/2025	ND	229	115	200	3.14		
EXT DRO >C28-C36	<10.0	10.0	08/08/2025	ND						

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 97.4 % 40.6-153

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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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

QUESTIONS

Action 536956

QUESTIONS

Operator: J R OIL, LTD. CO. P.O. Box 53657 Lubbock, TX 79453	OGRID: 256073
	Action Number: 536956
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nLLB0631149512
Incident Name	NLLB0631149512 OXY HARRIER FEDERAL #001 @ 30-015-34434
Incident Type	Fire
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-34434] OXY HARRIER FEDERAL #001

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	OXY HARRIER FEDERAL #001
Date Release Discovered	02/16/2006
Surface Owner	Federal

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Fire
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Cause: Other Pit (Specify) Released: 0 BBL Recovered: 0 BBL Lost: 0 BBL.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 536956

QUESTIONS (continued)

Operator: J R OIL, LTD. CO. P.O. Box 53657 Lubbock, TX 79453	OGRID: 256073
	Action Number: 536956
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	More info needed to determine if this will be treated as a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (2) an unauthorized release of a volume that: (a) results in a fire or is the result of a fire.
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	<i>Not answered.</i>

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Brittany Long Title: Consultant Email: brittany.long@tetrattech.com Date: 12/22/2025
--	---

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QUESTIONS, Page 3

Action 536956

QUESTIONS (continued)

Operator: J R OIL, LTD. CO. P.O. Box 53657 Lubbock, TX 79453	OGRID: 256073
	Action Number: 536956
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 500 and 1000 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 300 and 500 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	0
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	02/16/2006
On what date will (or did) the final sampling or liner inspection occur	08/07/2025
On what date will (or was) the remediation complete(d)	08/07/2025
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	0
What is the estimated volume (in cubic yards) that will be remediated	0
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 536956

QUESTIONS (continued)

Operator: J R OIL, LTD. CO. P.O. Box 53657 Lubbock, TX 79453	OGRID: 256073
	Action Number: 536956
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	Yes

Other Non-listed Remedial Process. Please specify

No remediation was required. The details of the subject line incident (NLLB0631149512) indicated that no fluids escaped the flow back tank. Nonetheless, JR Oil took it upon itself to perform an assessment of soils to demonstrate that the zero (0) bbls of fluids that had escaped was accurate. The incident was reported due to the presence of a fire. No fluids escaped the flow back tank, the investigation demonstrated no remaining impact at the former site of the flow back tank, thus no remediation was required.

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement

Name: Brittany Long
Title: Consultant
Email: brittany.long@tetrattech.com
Date: 12/22/2025

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 536956

QUESTIONS (continued)

Operator: J R OIL, LTD. CO. P.O. Box 53657 Lubbock, TX 79453	OGRID: 256073
	Action Number: 536956
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 536956

QUESTIONS (continued)

Operator: J R OIL, LTD. CO. P.O. Box 53657 Lubbock, TX 79453	OGRID: 256073
	Action Number: 536956
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	496141
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/07/2025
What was the (estimated) number of samples that were to be gathered	4
What was the sampling surface area in square feet	2800

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	0
What was the total volume (cubic yards) remediated	0
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	3400
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	No additional information required. For any additional details, please see attached report.

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Brittany Long Title: Consultant Email: brittany.long@tetrattech.com Date: 12/22/2025
--	---

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QUESTIONS, Page 7

Action 536956

QUESTIONS (continued)

Operator: J R OIL, LTD. CO. P.O. Box 53657 Lubbock, TX 79453	OGRID: 256073
	Action Number: 536956
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 536956

CONDITIONS

Operator: J R OIL, LTD. CO. P.O. Box 53657 Lubbock, TX 79453	OGRID: 256073
	Action Number: 536956
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvez	Since the groundwater data does not meet the two (2) conditions that NMOCD utilizes (preferably within 0.5 miles or has been gauged within the last 25 yrs.), the closure standards applied are incorrect and must meet the most stringent (gw < 50ft.). Variance requested is approved [regarding 19.15.29.12D (1) NMAC]. Release resolved. Since the fire did not affected the ground conditions, JR Oil should submit a re-vegetation report requesting a variance toward the reclamation and re-vegetation per 19.15.29.13 NMAC.	2/19/2026