



ENSOLUM

CLOSURE REPORT

Property:

NBR State 2 Battery

**Lea County, New Mexico
32.39335 N, 103.61392 W
NMOCD Incident ID: nAPP2321557100**

October 6, 2023

Ensolum Project No. 03B1417091

Prepared for:

**Oxy USA Inc.
P.O. Box 4294
Houston, TX 77210
Attn: Mr. Wade Dittrich**

Prepared by:


Beaux Jennings
Senior Project Manager


Heather Holthaus
Senior Project Manager



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NBR State 2 Battery

Lea County, New Mexico
32.39335 N, 103.61392 W
NMOCD Incident ID: nAPP2321557100

Ensolum Project No. 03B1417091

1.0 INTRODUCTION

1.1 Executive Summary

- On June 27, 2023, a release of crude oil and produced water occurred as a result of a tank overflow at the NBR State 2 Battery, hereinafter referred to as the "Site". Approximately 75 barrels (bbls) of crude oil and 125 bbls of produced water were released within the secondary containment for the tank, impacting an area approximately 100 feet long by 40 feet wide, with approximately 70 bbls of crude oil and 110 bbls of produced water recovered. The release was wholly contained within the lined secondary containment area.
- The identified impacted soil inside the secondary containment area was removed and taken off-Site for proper disposal. Based on correspondence with the contractor, a liner was encountered during the remediation of impacted soils.
- The primary objective of the closure activities was to remove the impacted soil, then conduct an integral inspection of the exposed liner before backfilling with clean material, as required by New Mexico Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD) Closure Criteria for Soils Impacted by a Release using the New Mexico Administrative Code (NMAC) 19.15.29 *Releases* as guidance.
- On August 30, 2023, Ensolum arrived on-Site to conduct a liner inspection to determine the integrity of the existing liner within the containment area. Based on visual inspection of multiple areas within the containment area, the liner remained intact and was free of damage.
- Subsequent to the results of liner inspection, the area was backfilled with clean fill material, and then contoured to the original grade. The spill area was located within the tank secondary containment, on a caliche pad, and does not require reclamation or revegetation at this time.

Based on field observations, no additional investigation or corrective action appears warranted at this time.

Oxy USA Inc.
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1.2 Site Description & Background

Operator:	Oxy USA Inc. (Oxy)
Site Name:	NBR State 2 Battery
Location:	Lea County, New Mexico 32.39335 N, 103.61392 W
Property:	New Mexico State Land Office
Regulatory:	New Mexico Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)

The Topographic Map depicting the location of the Site is included as **Figure 1**, the Site Vicinity Map is included as **Figure 2**, and the Site Map indicating the locations of composite soil samples is included as **Figure 3** in **Appendix A**. Supporting documentation is included in **Appendix B**. Site photographs are included in **Appendix C**.

1.3 Project Objective

The primary objective of the closure activities was to remove the impacted soil, then conduct an integral inspection of the exposed liner before backfilling with clean material, as required by New Mexico EMNRD OCD Closure Criteria for Soils Impacted by a Release using the NMAC 19.15.29 *Releases* as guidance.

2.0 CLOSURE CRITERIA

The Site is subject to regulatory oversight by the New Mexico EMNRD OCD. In order to address activities related to exempt oil and gas releases, the New Mexico EMNRD OCD references NMAC 19.15.29 *Releases*, which establishes investigation and abatement action requirements for sites subject to reporting and/or corrective action. Ensolum utilized information provided by Oxy, the general site characteristics, and information available from the New Mexico Office of the State Engineer (OSE) and the New Mexico EMNRD OCD Imaging database to determine the appropriate closure criteria for the Site.

- The Site was located within a lined containment area.
- The Site is not located within 300 feet of a New Mexico EMNRD OCD-defined continuously flowing watercourse or any other significant watercourse.
- The Site is not located within 200 feet of a lakebed, sinkhole, or playa lake.
- The Site is not located within 300 feet from an occupied permanent residence, school, hospital, institution, or church.
- According to the OSE WRSS database there are no private, domestic freshwater wells used by less than five (5) households for domestic or stock water purposes identified within 500 feet of the Site.
- According to the OSE WRSS database there are no freshwater wells identified within 1,000 feet of the Site as declared in the previous bullet.
- The Site is not located within 300 feet of a wetland.
- Based on information identified on the New Mexico Mining and Minerals Division's GIS, Maps and Mine Data database, the Site is not located within an area overlying a subsurface mine.

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- Based on the Karst Occurrence Potential (.kmz) provided by the Bureau of Land Management (BLM), the Site is not located within an unstable area.
- The Site is noted to be located within an area of minimal flood hazard.

Based on the identified siting criteria, cleanup goals for soils remaining in place at the Site include:

Closure Criteria for Soils Impacted by a Release			
Minimum depth below any point within horizontal boundary of the release to groundwater less than 10,000 mg/l TDS	Constituent	Method	Limit
>100 feet	Chloride	EPA 300.0 or SM4500 Cl B	20,000 mg/kg
	TPH (GRO+DRO)	EPA SW-846 Method 8015M	1,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

3.0 SOIL REMEDIATION ACTIVITIES

On June 27, 2023, a release of crude oil and produced water occurred because of a tank overflow at the Site. Approximately 75 bbls of crude oil and 125 bbls of produced water were released within a secondary containment for the tank, impacting an area approximately 100 feet long by 40 feet wide, with approximately 70 bbls of crude oil and 110 bbls of produced water recovered. The release was wholly contained within the secondary containment area.

The identified impacted soil was removed and taken off-Site for proper disposal. Based on correspondence with the contractor, a liner was exposed during the remediation activities.

On August 30, 2023, Ensolum arrived on-Site to conduct a liner inspection to determine the integrity of the existing liner within the containment area. Based on visual inspection of multiple areas within the containment area, the liner remained intact and was free of damage.

The lined secondary containment measured approximately 140 feet long by 50 feet wide.

The lithology encountered during the completion of remedial activities consisted primarily of fill material within the secondary containment.

Figure 3 identifies approximate dimensions of the impacted area with respect to the Site (**Appendix A**). Photographic documentation of the field activities is included in **Appendix C**.

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4.0 SOIL SAMPLING PROGRAM

Per the NMAC 19.15.29 *Releases*, soil sampling is not required if the release occurs within a lined containment and liner integrity is demonstrated. On August 30, 2023, Ensolum arrived on-Site to conduct a liner inspection that determined the integrity of the existing liner within the containment area. Based on visual inspection of the exposed liner within the containment area, the liner remained intact and was free of damage.

Photographic documentation of the liner inspection is included in **Appendix C**.

5.0 RECLAMATION AND RE-VEGETATION

The spill area was located within a lined secondary containment, on a caliche pad, and does not require reclamation or revegetation at this time. Subsequent to the results of liner inspection, the area was backfilled with clean fill material, and then contoured to the original grade.

6.0 FINDINGS AND RECOMMENDATION

- On June 27, 2023, a release of crude oil and produced water occurred from the water tank as a result of a tank overflow at the Site. Approximately 75 bbls of crude oil and 125 bbls of produced water were released within a secondary containment for the tank, impacting an area approximately 100 feet long by 40 feet wide, with approximately 70 bbls of crude oil and 110 bbls of produced water recovered. The release was wholly contained within the lined secondary containment area.
- The identified impacted soil inside the secondary containment area was removed and taken off-Site for proper disposal. Based on correspondence with the contractor, a liner was encountered during the remediation of impacted soils.
- The primary objective of the closure activities was to remove the impacted soil, then conduct an integral inspection of the exposed liner before backfilling with clean material, as required by New Mexico EMNRD OCD Closure Criteria for Soils Impacted by a Release using the NMAC 19.15.29 *Releases* as guidance.
- On August 30, 2023, Ensolum arrived on-Site to conduct a liner inspection to determine the integrity of the existing liner within the containment area. Based on visual inspection of multiple areas within the containment area, the liner remained intact and was free of damage.
- Subsequent to the completion of the liner inspection, the area was backfilled with clean fill material and contoured to the original grade. The spill area was located within a lined secondary containment, on a caliche pad, and does not require reclamation or revegetation at this time.

Based on field observations, no additional investigation or corrective action appears warranted at this time.

Oxy USA Inc.
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7.0 STANDARDS OF CARE, LIMITATIONS, AND RELIANCE

7.1 Standard of Care

Ensolum's services were performed in accordance with standards customarily provided by a firm rendering the same or similar services in the area during the same time period. Ensolum makes no warranties, express or implied, as to the services performed hereunder. Additionally, Ensolum does not warrant the work of third parties supplying information used in the report (e.g., laboratories, regulatory agencies, or other third parties). This scope of services was performed in accordance with the scope of work agreed with the client, as detailed in our proposal.

7.2 Limitations

Findings, conclusions, and recommendations resulting from these services are based upon information derived from the on-Site activities and other services performed under this scope of work and it should be noted that this information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, or not present during these services, and Ensolum cannot represent that the Site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during the investigation. Environmental conditions at other areas or portions of the Site may vary from those encountered at actual sample locations. Ensolum's findings and recommendations are based solely upon data available to Ensolum at the time of these services.

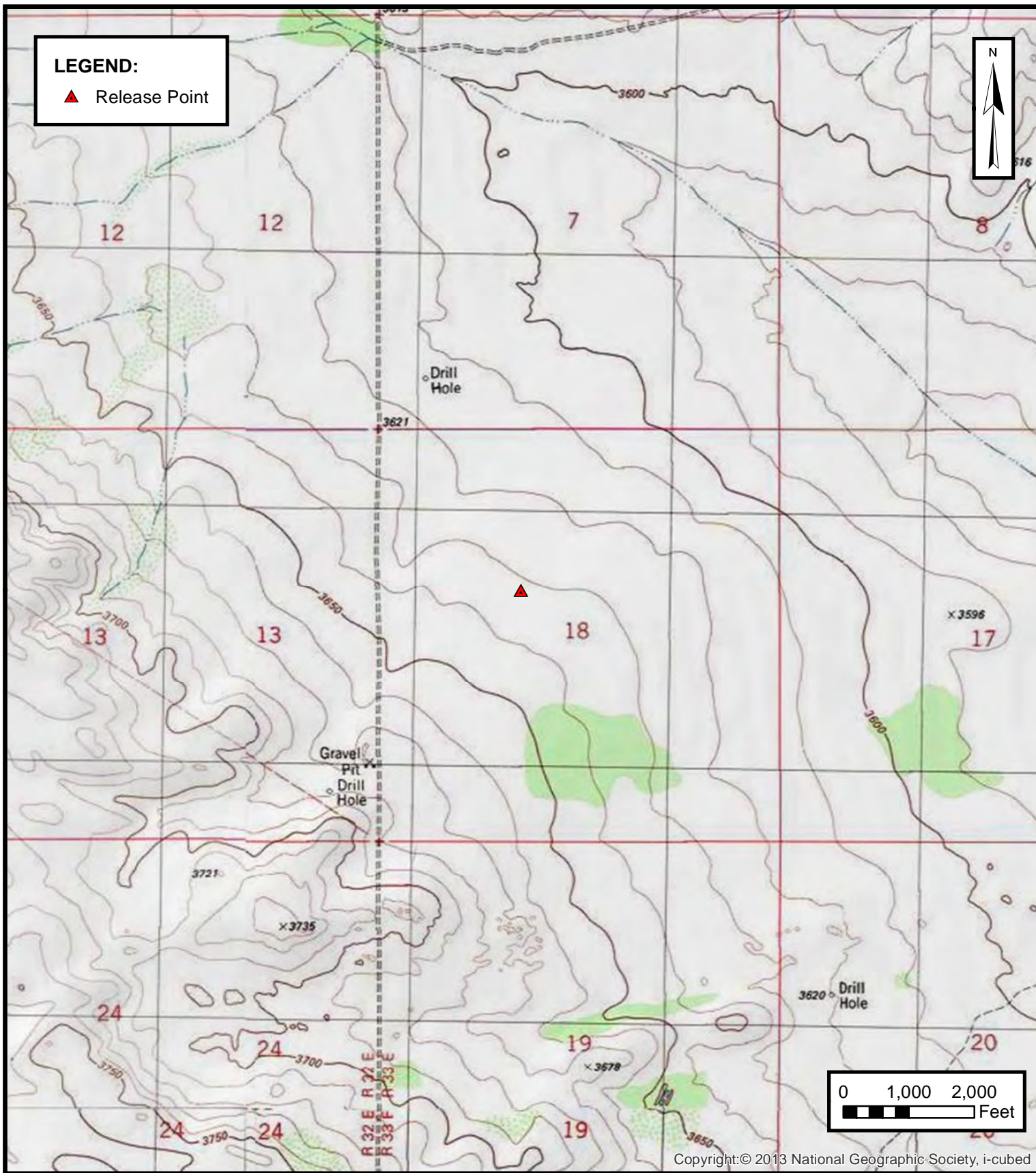
7.3 Reliance

This report has been prepared for the exclusive use of Oxy USA, Inc., and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the Site) is prohibited without the express written authorization Oxy USA, Inc. and Ensolum. Any unauthorized distribution or reuse is at the client's sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions and limitations stated in the Closure Report, and Ensolum's Master Services Agreement. The limitation of liability defined in the agreement is the aggregate limit of Ensolum's liability to the client.



APPENDIX A

Figures

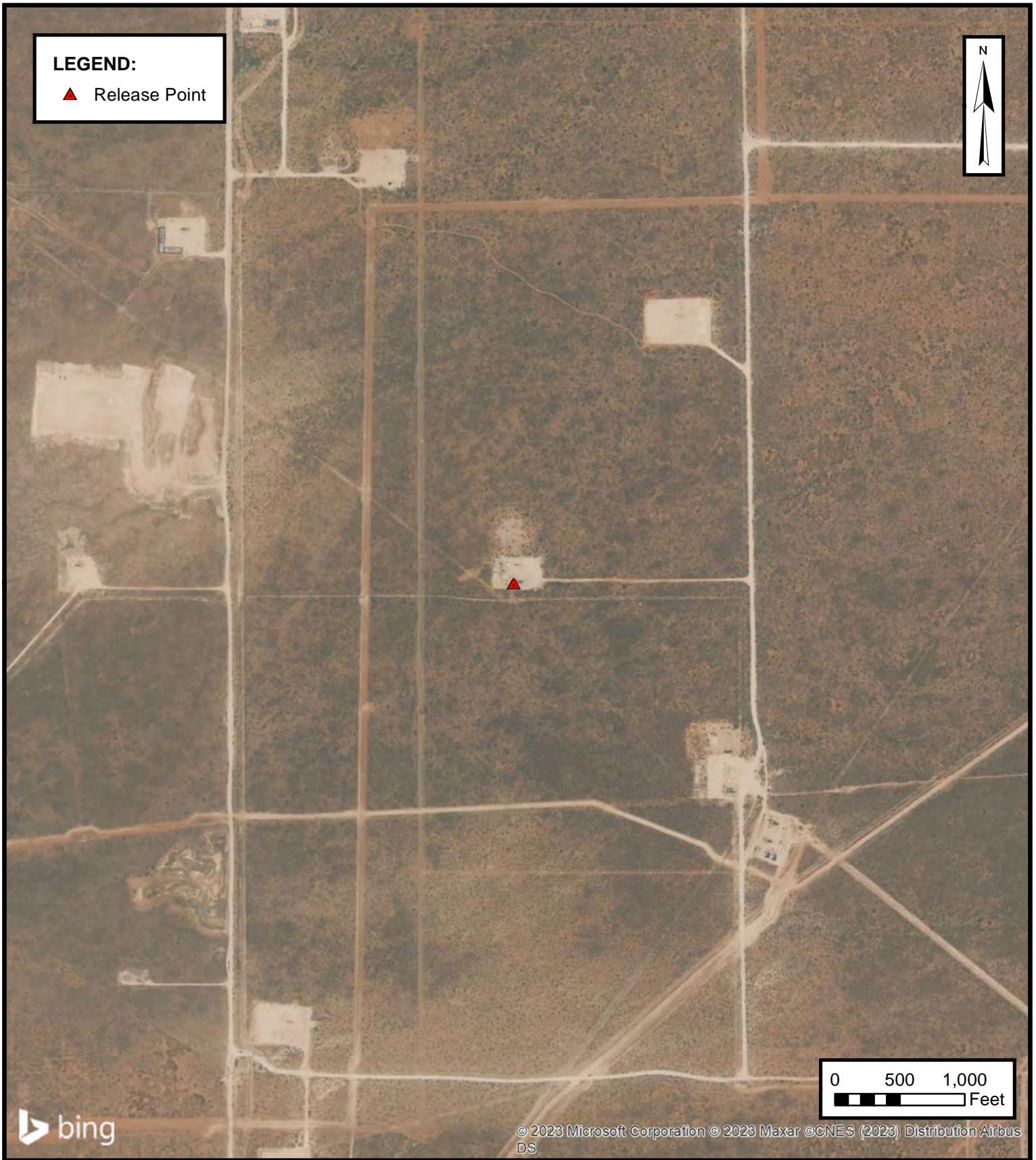


TOPOGRAPHIC MAP

OXY USA INC.
 NBR STATE 2 BATTERY
 Lea County, New Mexico
 32.39335° N, 103.61392° W

PROJECT NUMBER: 03B1417091

FIGURE
1



ENSOLUM
Environmental, Engineering and
Hydrogeologic Consultants

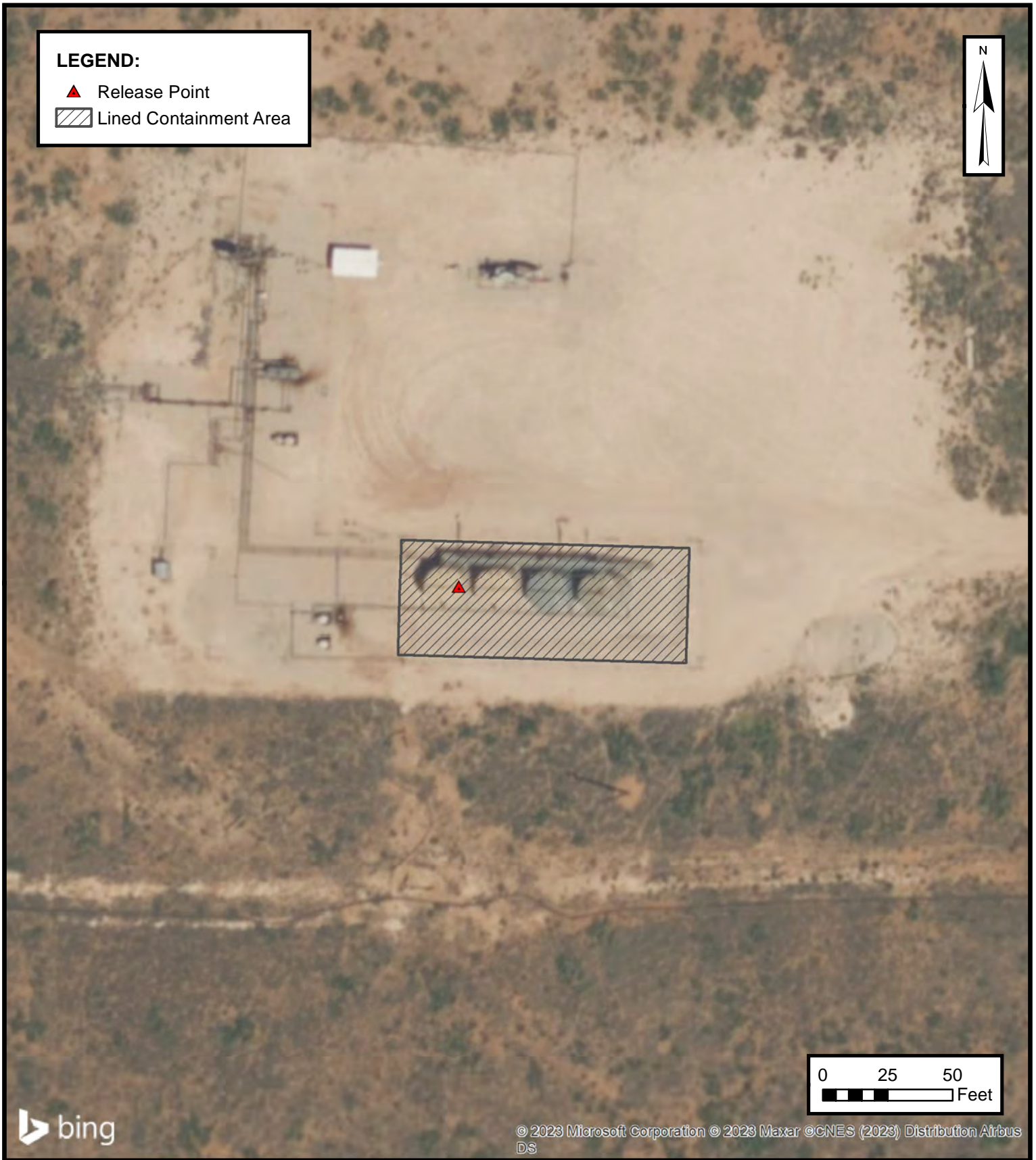
SITE VICINITY MAP

OXY USA INC.
NBR STATE 2 BATTERY
Lea County, New Mexico
32.39335° N, 103.61392° W

PROJECT NUMBER: 03B1417091

FIGURE

2



ENSOLUM
Environmental, Engineering and
Hydrogeologic Consultants

SITE MAP

OXY USA INC.
NBR STATE 2 BATTERY
Lea County, New Mexico
32.39335° N, 103.61392° W

PROJECT NUMBER: 03B1417091

FIGURE

3



APPENDIX B

Supporting Documentation

Beaux Jennings

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Monday, August 28, 2023 3:47 PM
To: Beaux Jennings
Cc: Bratcher, Michael, EMNRD; Velez, Nelson, EMNRD
Subject: RE: [EXTERNAL] NBR State 2 Battery (Incident ID: nAPP2321557100)

You don't often get email from shelly.wells@emnrd.nm.gov. [Learn why this is important](#)

[**EXTERNAL EMAIL**]

Good afternoon Beaux,

The OCD has received your notification. Notification requirements are **two full business days**, per rule. You may proceed on your schedule. This, and all correspondence, should be included in the closure report to ensure inclusion in the project file.

Thank you,

Shelly

[Shelly Wells](#) * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive | Santa Fe, NM 87505
(505)469-7520 | Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

From: Beaux Jennings <bjennings@ensolum.com>
Sent: Monday, August 28, 2023 1:51 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Subject: [EXTERNAL] NBR State 2 Battery (Incident ID: nAPP2321557100)

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good Afternoon,

On behalf of Oxy USA Inc, Ensolum, LLC would like to provide notification for a liner inspection that will be conducted at the NBR State 2 Battery (Incident ID: nAPP2321557100) on Wednesday, August 30th.

Thank you,



Beaux Jennings
Senior Project Manager
210-219-8858
Ensolum, LLC
in f t

OSE POD Locations Map



8/3/2023, 4:38:50 PM

GIS WATERS PODs

- Pending
- OSE District Boundary

Water Right Regulations

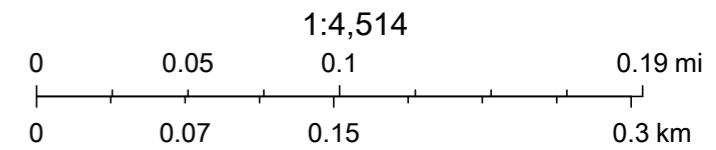
- Closure Area
- New Mexico State Trust Lands
- Surface Estate



Both Estates



SiteBoundaries



Esri, HERE, iPC, U.S. Department of Energy Office of Legacy Management, Esri, HERE, Garmin, iPC, Maxar

File No. **CP-1898**

NEW MEXICO OFFICE OF THE STATE ENGINEER



**WR-07 APPLICATION FOR PERMIT TO DRILL
A WELL WITH NO WATER RIGHT**



(check applicable box):

For fees, see State Engineer website: <http://www.ose.state.nm.us/>

Purpose	<input type="checkbox"/> Pollution Control And/Or Recovery	<input type="checkbox"/> Ground Source Heat Pump
<input type="checkbox"/> Exploratory Well (Pump test)	<input type="checkbox"/> Construction Site/Public Works Dewatering	<input checked="" type="checkbox"/> Other(Describe)
<input type="checkbox"/> Monitoring Well	<input type="checkbox"/> Mine Dewatering	

OSE DTI DEC 23 2021 PM 3:17

A separate permit will be required to apply water to beneficial use regardless if use is consumptive or nonconsumptive

Temporary Request - Requested Start Date: January 3, 2022 Requested End Date: January 3, 2023

Plugging Plan of Operations Submitted? Yes No

1. APPLICANT(S)

Name: OXY USA, Inc.	Name: Trinity Oilfield Services and Rentals, LLC
Contact or Agent: <input type="checkbox"/> check here if Agent	Contact or Agent: <input type="checkbox"/> check here if Agent
Wade Dittrich - Environmental Coordinator, OXY USA, Inc.	John P. Farrell P.G.
Mailing Address: P. O. Box 4294	Mailing Address: P. O. Box 2587
City: Houston	City: Hobbs
State: TX Zip Code: 77210	State: NM Zip Code: 88241
Phone: (575)390-2828 <input type="checkbox"/> Home <input checked="" type="checkbox"/> Cell	Phone: 575 390-7560 <input type="checkbox"/> Home <input checked="" type="checkbox"/> Cell
E-mail (optional): Wade_Dittrich@oxy.com	E-mail (optional): john@trinityoilfieldservices.com

FOR OSE INTERNAL USE Application for Permit Form WR-07 Rev 11/17/16

File No.: CP-1898	Trm. No.: 715535	Receipt No.: 2-44103
Trans Description (optional): MON		
Sub-Basin: CP	PCW/LOG Due Date:	

2. WELL(S) Describe the well(s) applicable to this application

Location Required: Coordinate location must be reported in NM State Plane (NAD 83), UTM (NAD 83), or Latitude/Longitude (Lat/Long - WGS84).
 District II (Roswell) and District VII (Cimarron) customers, provide a PLSS location in addition to above.

NM State Plane (NAD83) (Feet) UTM (NAD83) (Meters) Lat/Long (WGS84) (to the nearest 1/10th of second)
 NM West Zone Zone 12N
 NM East Zone Zone 13N
 NM Central Zone

Well Number (if known):	X or Easting or Longitude:	Y or Northing or Latitude:	Provide if known: -Public Land Survey System (PLSS) (Quarters or Halves, Section, Township, Range) OR - Hydrographic Survey Map & Tract; OR - Lot, Block & Subdivision; OR - Land Grant Name
BH-01	-103° 36' 34.7" W	32°23'24.6"N	SE1/4 of NW1/4 of SE1/4 - Unit Ltr. J, Sect. 18, T22S, R33E

NOTE: If more well locations need to be described, complete form WR-08 (Attachment 1 – POD Descriptions)
 Additional well descriptions are attached: Yes No If yes, how many N/A

Other description relating well to common landmarks, streets, or other:
 On the production pad for OXY NBR State 1 Salt Water Disposal (SWD) facility, API # 30 025 26976
OSE OIT DEC 23 2021 PM 3:17

Well is on land owned by: State of New Mexico

Well Information: **NOTE: If more than one (1) well needs to be described, provide attachment.** Attached? Yes No
 If yes, how many N/A

Approximate depth of well (feet): 105	Outside diameter of well casing (inches): 2" PVC riser and screen
Driller Name: Jarod Michalsky	Driller License Number: NM - 1800

3. ADDITIONAL STATEMENTS OR EXPLANATIONS

This soil boring is to show that groundwater does not exist between the land surface and the total depth of the borehole. The planned depth is between 101 and 105 feet below ground surface (bgs). A "One Call" will be requested by Trinity and by the Driller at least 2 business days prior to drilling to ensure that any subsurface infrastructure will not be encountered. This exploratory drilling will be on previously disturbed State land at OXY NBR State 1 SWD production pad (API # 30-025-26976). NP NEW DISTURBANCE ON STATE LAND IS ANTICIPATED. Per New Mexico Oil Conservation Division, the boring must stay open for 72 hours to demonstrate that the boring is dry. Determination of dryness or depth to groundwater will be done by a professional geologist and witnessed by the driller prior to plugging the hole. Pugging will be per the specifications provided in the Plugging Plan of Operations as Provided by the Office of the State Engineer.

To address Item 4 below, this is an exploratory boring with the sole purpose of proving that the depth of groundwater exceeds 101 feet bgs. The boring serves no other purpose.

FOR OSE INTERNAL USE Application for Permit, Form WR-07

File No.: <u>4-1898</u>	Trn No.: <u>715535</u>
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Page 2 of 3

4. SPECIFIC REQUIREMENTS: The applicant must include the following, as applicable to each well type. Please check the appropriate boxes, to indicate the information has been included and/or attached to this application.

<p>Exploratory: <input checked="" type="checkbox"/> Include a description of any proposed pump test, if applicable.</p>	<p>Pollution Control and/or Recovery: <input type="checkbox"/> Include a plan for pollution control/recovery, that includes the following: <input type="checkbox"/> A description of the need for the pollution control or recovery operation. <input type="checkbox"/> The estimated maximum period of time for completion of the operation. <input type="checkbox"/> The annual diversion amount. <input type="checkbox"/> The annual consumptive use amount. <input type="checkbox"/> The maximum amount of water to be diverted and injected for the duration of the operation. <input type="checkbox"/> The method and place of discharge.</p>	<p>Construction De-Watering: <input type="checkbox"/> Include a description of the proposed dewatering operation, <input type="checkbox"/> The estimated duration of the operation, <input type="checkbox"/> The maximum amount of water to be diverted <input type="checkbox"/> A description of the need for the dewatering operation, and, <input type="checkbox"/> A description of how the diverted water will be disposed of.</p>	<p>Mine De-Watering: <input type="checkbox"/> Include a plan for pollution control/recovery, that includes the following <input type="checkbox"/> A description of the need for mine dewatering. <input type="checkbox"/> The estimated maximum period of time for completion of the operation. <input type="checkbox"/> The source(s) of the water to be diverted <input type="checkbox"/> The geohydrologic characteristics of the aquifer(s). <input type="checkbox"/> The maximum amount of water to be diverted per annum. <input type="checkbox"/> The maximum amount of water to be diverted for the duration of the operation <input type="checkbox"/> The quality of the water. <input type="checkbox"/> The method of measurement of water diverted.</p>
<p>Monitoring: <input type="checkbox"/> Include the reason for the monitoring well, and, <input type="checkbox"/> The duration of the planned monitoring.</p>	<p><input type="checkbox"/> The method of measurement of water produced and discharged. <input type="checkbox"/> The source of water to be injected. <input type="checkbox"/> The method of measurement of water injected. <input type="checkbox"/> The characteristics of the aquifer. <input type="checkbox"/> The method of determining the resulting annual consumptive use of water and depletion from any related stream system. <input type="checkbox"/> Proof of any permit required from the New Mexico Environment Department. <input type="checkbox"/> An access agreement if the applicant is not the owner of the land on which the pollution plume control or recovery well is to be located.</p>	<p>Ground Source Heat Pump: <input type="checkbox"/> Include a description of the geothermal heat exchange project, <input type="checkbox"/> The number of boreholes for the completed project and required depths. <input type="checkbox"/> The time frame for constructing the geothermal heat exchange project, and, <input type="checkbox"/> The duration of the project. <input type="checkbox"/> Preliminary surveys, design data, and additional information shall be included to provide all essential facts relating to the request.</p>	<p><input type="checkbox"/> The recharge of water to the aquifer. <input type="checkbox"/> Description of the estimated area of hydrologic effect of the project. <input type="checkbox"/> The method and place of discharge <input type="checkbox"/> An estimation of the effects on surface water rights and underground water rights from the mine dewatering project. <input type="checkbox"/> A description of the methods employed to estimate effects on surface water rights and underground water rights. <input type="checkbox"/> Information on existing wells, rivers, springs, and wetlands within the area of hydrologic effect.</p>

ACKNOWLEDGEMENT

I, We (name of applicant(s)), Wade Dittrich - OXY Environmental Coordinator and John P. Farrell P. G. and Project Manager
 Print Name(s)

affirm that the foregoing statements are true to the best of (my, our) knowledge and belief.

[Signature]
 Applicant Signature

[Signature] P.G.
 Applicant Signature

ACTION OF THE STATE ENGINEER



This application is
 approved partially approved denied

provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the constitution of the State of New Mexico nor detrimental to the public welfare and further subject to the attached conditions of approval.

Witness my hand and seal this 13th day of Dec Jan 20 21, for the State Engineer,

John T. Romero
John R. D'Antonio Jr., P.E. State Engineer

By: k. Parekh Signature Kashyap Parekh Print
 Title: Water Resources Manager I. Print

USE DJT DEC 23 2021 PM 3:17

FOR OSE INTERNAL USE

Application for Permit Form WR-07

File No: <u>CP-1898</u>	Trn No: <u>715535</u>
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**NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO EXPLORE**

SPECIFIC CONDITIONS OF APPROVAL

- 17-16 Construction of a water well by anyone without a valid New Mexico Well Driller License is illegal, and the landowner shall bear the cost of plugging the well by a licensed New Mexico well driller. This does not apply to driven wells, the casing of which does not exceed two and three-eighths inches outside diameter.
- 17-1A Depth of the well shall not exceed the thickness of the valley fill.
- 17-4 No water shall be appropriated and beneficially used under this permit.
- 17-6 The well authorized by this permit shall be plugged completely using the following method per Rules and Regulations Governing Well Driller Licensing, Construction, Repair and Plugging of Wells; Subsection C of 19.27.4.30 NMAC unless an alternative plugging method is proposed by the well owner and approved by the State Engineer upon completion of the permitted use. All pumping appurtenance shall be removed from the well prior to plugging. To plug a well, the entire well shall be filled from the bottom upwards to ground surface using a tremie pipe. The bottom of the tremie shall remain submerged in the sealant throughout the entire sealing process; other placement methods may be acceptable and approved by the state engineer. The well shall be plugged with an office of the state engineer approved sealant for use in the plugging of non-artesian wells. The well driller shall cut the casing off at least four (4) feet below ground surface and fill the open hole with at least two vertical feet of approved sealant. The driller must fill or cover any open annulus with sealant. Once the sealant has cured, the well driller or well owner may cover the seal with soil. A Plugging Report for said well shall be filed with the Office of the State Engineer in a District Office within 30 days of completion of the plugging.

Trn Desc: CP 01898 POD1

File Number: CP 01898

Trn Number: 715535

**NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO EXPLORE**

SPECIFIC CONDITIONS OF APPROVAL (Continued)

- 17-7 The Permittee shall utilize the highest and best technology available to ensure conservation of water to the maximum extent practical.
- 17-B The well shall be drilled by a driller licensed in the State of New Mexico in accordance with 72-12-12 NMSA 1978. A licensed driller shall not be required for the construction of a well driven without the use of a drill rig, provided that the casing shall not exceed two and three-eighths (2 3/8) inches outside diameter.
- 17-C The well driller must file the well record with the State Engineer and the applicant within 30 days after the well is drilled or driven. It is the well owner's responsibility to ensure that the well driller files the well record.
The well driller may obtain the well record form from any District Office or the Office of the State Engineer website.
- 17-P The well shall be constructed, maintained, and operated to prevent inter-aquifer exchange of water and to prevent loss of hydraulic head between hydrogeologic zones.
- 17-Q The State Engineer retains jurisdiction over this permit.
- 17-R Pursuant to section 72-8-1 NMSA 1978, the permittee shall allow the State Engineer and OSE representatives entry upon private property for the performance of their respective duties, including access to the ditch or acequia to measure flow and also to the well for meter reading and water level measurement.

Trn Desc: CP 01898 POD1

File Number: CP 01898
Trn Number: 715535

NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO EXPLORE

SPECIFIC CONDITIONS OF APPROVAL (Continued)

LOG The Point of Diversion CP 01898 POD1 must be completed and the Well Log filed on or before 01/13/2022.

IT IS THE PERMITTEE_S RESPONSIBILITY TO OBTAIN ALL AUTHORIZATIONS AND PERMISSIONS TO DRILL ON PROPERTY OF OTHER OWNERSHIP BEFORE COMMENCING ACTIVITIES UNDER THIS PERMIT.

ACTION OF STATE ENGINEER

Notice of Intention Rcvd: Date Rcvd. Corrected:
Formal Application Rcvd: 12/23/2021 Pub. of Notice Ordered:
Date Returned - Correction: Affidavit of Pub. Filed:

This application is approved provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare of the state; and further subject to the specific conditions listed previously.

Witness my hand and seal this 13 day of Jan A.D., 2022

John T. Romero (Acting) _____, State Engineer

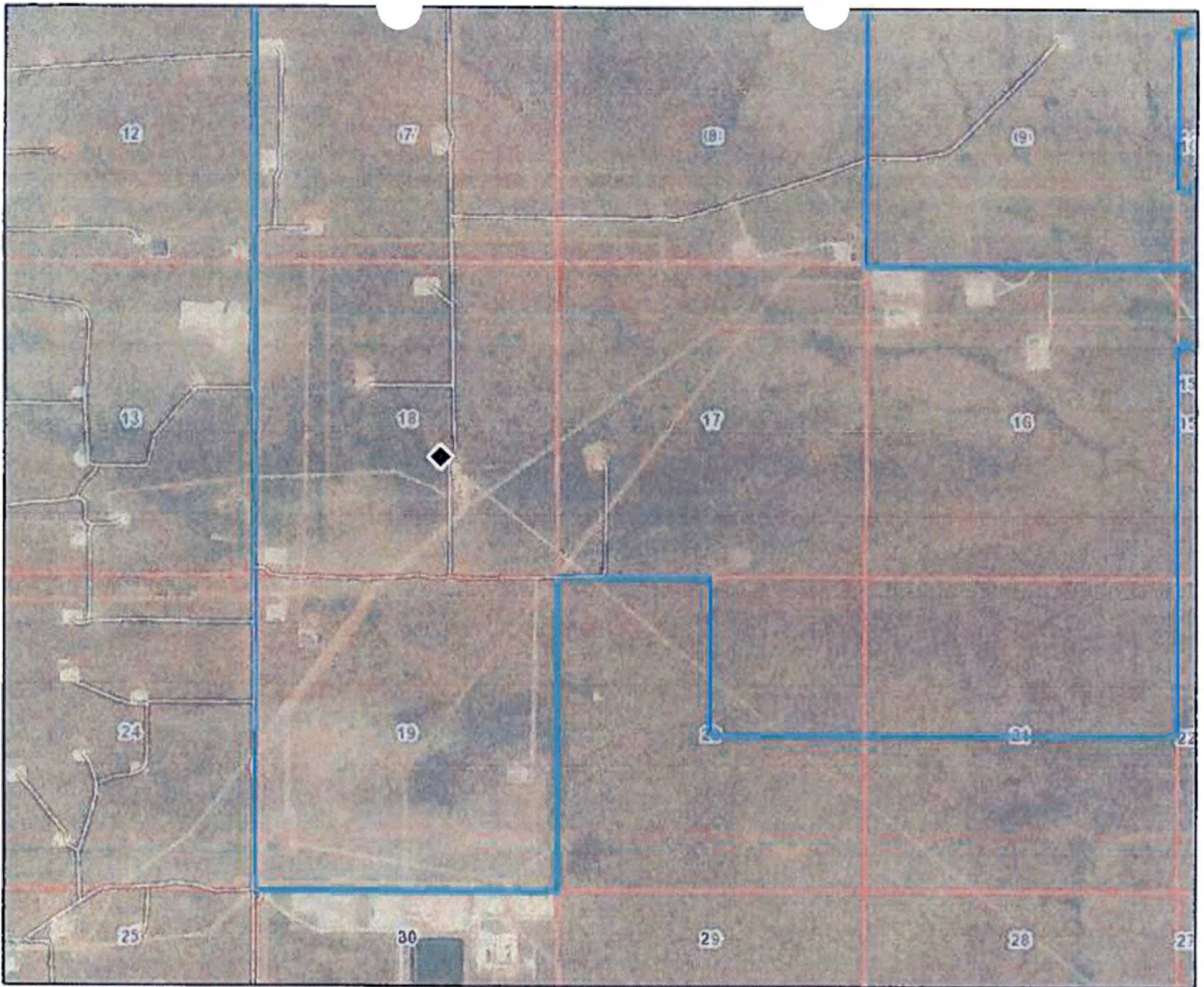
By: K. Parekh
KASHYAP PAREKH



Trn Desc: CP 01898 POD1

File Number: CP 01898

Trn Number: 715535



Coordinates
UTM - NAD 83 (m) - Zone 13
 Easting 630774.251
 Northing 3584533.543
State Plane - NAD 83 (f) - Zone E
 Easting 764724.345
 Northing 506427.898
Degrees Minutes Seconds
 Latitude 32 : 23 : 24.600000
 Longitude -103 : 36 : 34.700000
 Location pulled from Coordinate Search

NEW MEXICO OFFICE
 OF THE
 STATE ENGINEER

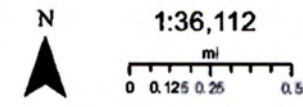


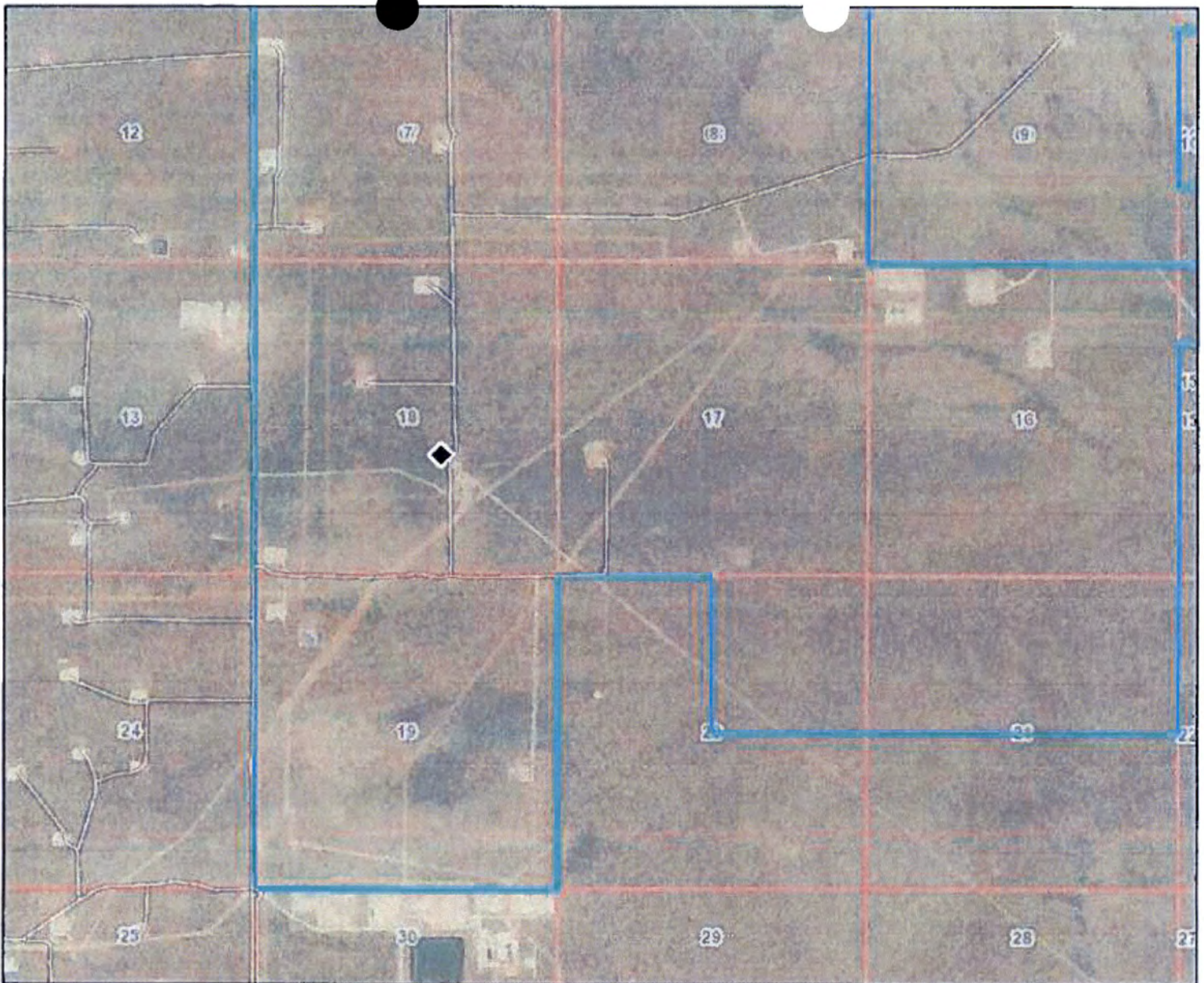
Image Info
 Source: Maxar
 Date: 1/3/2021
 Resolution (m): 0.5
 Accuracy (m): 5

Spatial Information
 OSE Administrative Area: Lea
 County: Lea
 Groundwater Basin: Capitan
 Abstract Area: Capitan
 Sub-Basin: Landreth-Monumnet Draws
 Land Grant: Not in Land Grant
Restrictions:
PLSS Description
 SENWNWSE Qtr of Sec 18 of 022S 033E
 Derived from CADNSDI- Qtr Sec. locations are calculated and are only approximate.

- ◆ Coord Search Location
- D&D
- Plowshare / Vela Uniform
- BLM Land Grant
- FUSRAP
- UMTRCA Title I
- PLSS Township
- MED/AEC Legacy Site
- UMTRCA Title II
- PLSS First Div...
- NWPA
- Unknown
- CERCLA/RC...
- Nevada Offsites
- Sections

POD Informa
 Owner: OXY
 File Number: CP-1898 PO
 POD Status: NoData
 Permit Status: NoData
 Permit Use: NoData
 Purpose: MON

GUILLEN



Coordinates
UTM - NAD 83 (m) - Zone 13
 Easting 630774.251
 Northing 3584533.543
State Plane - NAD 83 (f) - Zone E
 Easting 764724.345
 Northing 506427.898
Degrees Minutes Seconds
 Latitude 32 : 23 : 24.600000
 Longitude -103 : 36 : 34.700000
 Location pulled from Coordinate Search

NEW MEXICO OFFICE
 OF THE
 STATE ENGINEER

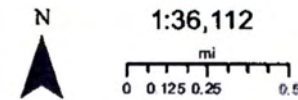


Image Info
 Source: Maxar
 Date: 1/3/2021
 Resolution (m): 0.5
 Accuracy (m): 5

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 OSE Administrative Area: Lea
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PLSS Description
 SENWNWSE Qtr of Sec 18 of 022S 033E
 Derived from CADNSDI- Qtr Sec locations are calculated and are only approximations

- | | | | |
|--------------------------------|-----------------------|----------------------------|---------------------|
| ◆ Coord Search Location | ● D&D | ● Plowshare / Vela Uniform | ■ BLM Land Grant |
| Water Right Regulations | ● FUSRAP | ● UMRCA Title I | ■ PLSS Township |
| 🐾 Closure Area | ● MED/AEC Legacy Site | ● UMRCA Title II | ■ PLSS First Div... |
| 🏠 Site Boundaries | ● NWPA | ● Unknown | |
| LM Sites | ● Nevada Offsites | □ Sections | |
| ● CERCLA/RC... | | | |

POD Information
 Owner: OXY
 File Number: CP-1898 POD1
 POD Status: NoData
 Permit Status: NoData
 Permit Use: NoData
 Purpose: MON

GUILLEN 12/27/20

The source file(s) do not have a resolution of 1 meter. Coordinates shown are of 10m resolution. A 10m resolution file is required to be used for this purpose. The source file(s) do not have a resolution of 1 meter. A 10m resolution file is required to be used for this purpose. The source file(s) do not have a resolution of 1 meter. A 10m resolution file is required to be used for this purpose.



Stephanie Garcia Richard
COMMISSIONER

State of New Mexico
Commissioner of Public Lands

310 OLD SANTA FE TRAIL
P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

COMMISSIONER'S
OFFICE
Phone (505) 827-5760
Fax (505) 827-5766
www.nmstatelands.org

January 5, 2022

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

Attn: Wade Dittrich: Wade_Dittrich@oxy.com

RE: Rule 12 Water Exploration / Soil Boring Permit # WE-0802, 30-025-26976 OXY NBR State 1 SWD Ref# SW-354

We are in receipt of your application and fees (\$100.00 per Application) requesting a TEMPORARY BORING PERMIT for Water exploration. *The effective date of this authorization is for a period of not to exceed 30 days, commencing on January 24, 2022 and ending on February 24, 2022.*

This Authorization (Right of Entry) letter is for the sole purpose of exploring depth to groundwater in the following location: (Please see attached map)

Township	Range	Section	Subdivision	County	Acres
22S	33E	18	NW4SE4	Lea	1

CONDITIONS OF USE

- A. The issuance of this Exploration Authorization does not guarantee a Water Easement will be issued for this property being explored, nor does it indicate a preference for a future water easement issuance to the holder of the authorization by the Commissioner of Public Lands.
- B. No refund of Permit application fees will occur after Permit approval letter is mailed.
- C. Authorized party shall notify the State Land Office District Resource Manager by telephone at least one business day prior to commencing any exploration activities.
- D. No blading or widening of any two-track dirt roads that provides access to the Property is permitted under this Authorization, except as necessary for the ingress and egress of required vehicles.
- E. No mining or removal of material for purposes other than testing is allowed under this Authorization. No sale of any material extracted from the Property is allowed under this Authorization.
- F. Authorized party shall observe all federal, state and local laws and regulations applicable to the Property.
- G. Authorized party shall take all reasonable precautions to prevent and suppress forest, brush and grass fires and prevent pollution of waters on or in the vicinity of the Property.
- H. Authorized party shall not block or disrupt roads or trails commonly in use.
- I. This Authorization is subject to any and all easements and rights-of-way previously granted and now in force and affect.
- J. Authorized party shall be responsible for repair and restitution for damage to any property improvements as a result of activities related to this exploration.
- K. Authorized party shall conduct exploration activities only if a state-permitted archaeologist as per the Cultural Properties Act, §18-6-5(O) is present on the permitted site. Authorized party shall abide by the decisions of the permitted Archaeologist regarding prevention of damage to cultural property sites. An archaeological report is to be submitted to State Land Office Cultural Resources Specialist within fifteen (15) days of the expiration date of



Stephanie Garcia Richard
COMMISSIONER

State of New Mexico
Commissioner of Public Lands

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 P.O. BOX 1148
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John T. Romero (Acting)
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

**STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 715535
File Nbr: CP 01898

Jan. 13, 2022

JOHN P FARRELL P.G
TRINITY OILFIELD SVCS & RENTALS LLC
PO BOX 2587
HOBBS, NM 88241

Greetings:

Your approved copy of the above numbered permit to drill a well for non-consumptive purposes is enclosed. You must obtain an additional permit if you intend to use the water. It is your responsibility to provide the contracted well driller with a copy of the permit that must be made available during well drilling activities.

Carefully review the attached conditions of approval for all specific permit requirements.

- * If use of this well is temporary in nature and the well will be plugged at the end of the well usage, the OSE must initially approve of the plugging. If plugging approval is not conditioned in this permit, the applicant must submit a Plugging Plan of Operations for approval prior to the well being plugged. The Plugging Record must be properly completed and submitted to the OSE within 30 days of the well plugging.
- * If the final intended purpose and condition requires a well ID tag and meter installation, the applicant must immediately send a completed meter report form to this office.
- * The well record and log must be submitted within 30 days of the completion of the well or if the attempt was a dry hole.
- * This permit expires and will be cancelled if no well is drilled and/or a well log is not received by the date set forth in the conditions of approval.

Appropriate forms can be downloaded from the OSE website www.ose.state.nm.us.

Sincerely,

A handwritten signature in blue ink that reads "Maret Amaral".

Maret Amaral
(575) 622-6521

Enclosure

explore

John T. Romero (Acting)
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

**STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 715535
File Nbr: CP 01898

Jan. 13, 2022

WADEE DITTRICH
OXY USA INC
PO BOX 4294
HOUSTON, TX 77210

Greetings:

Your approved copy of the above numbered permit to drill a well for non-consumptive purposes is enclosed. You must obtain an additional permit if you intend to use the water. It is your responsibility to provide the contracted well driller with a copy of the permit that must be made available during well drilling activities.

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Appropriate forms can be downloaded from the OSE website www.ose.state.nm.us.

Sincerely,

A handwritten signature in blue ink, appearing to read "Maret Amaral".

Maret Amaral
(575)622-6521

Enclosure

explore



New Mexico Office of the State Engineer

Transaction Summary

EXPL Permit To Explore

Transaction Number: 715535 **Transaction Desc:** CP 01898 POD1 **File Date:** 12/23/2021

Primary Status: PMT Permit
Secondary Status: APR Approved
Person Assigned: *****
Applicant: OXY USA INC
Contact: WADEE DITTRICH
Applicant: TRINITY OILFIELD SVCS-RENT LLC
Contact: JOHN P FARRELL P.G.

Events

	Date	Type	Description	Comment	Processed By
	12/23/2021	APP	Application Received	*	*****
	12/23/2021	TEC	Technical Report	*PLUGGING PLAN	*****
	01/13/2022	SAR	Set Application Received		*****
	01/13/2022	FTN	Finalize non-published Trans.		*****
	03/10/2022	QAT	Quality Assurance Completed	IMAGE	*****
	03/10/2022	ARW	WRAB Main File Rm Arch Sect	CP 01898 Archived	*****
	06/13/2022	QAT	Quality Assurance Completed	IMAGE/PLUGGING	*****

Water Right Information

WR File Nbr	Acres	Diversion	Consumptive	Purpose of Use
CP 01898	0	0		MON MONITORING WELL
**Point of Diversion				
CP 01898 POD1		630773	3584534	

Remarks

"THIS SOIL BORING IS TO SHOW THAT GROUNDWATER DOES NOT EXIST BETWEEN HE LAND SURFACE AND THE TOTAL DEPTH OF THE BOREHOLE. THE PLANNED DEPTH IS BETWEEN 101 AND 105 FEET BELOW GROUND SURFACE (BGS). A " ONE CALL" WILL BE REQUESTED BY TRINITY

AND BY THE DRILLER AT LEAST 2 BUSINESS DAYS PRIOR TO DRILLING TO ENSURE ANY SUBSURFACE INFRASTRUCTURE NOT BE ENCOUNTERED. THIS EXPLORATORY DRILLING WILL BE ON PREVIOUSLY DISTURBED STATE LAND AT OXY NBR STATE 1 SWD PRODUCTION PAD (API # 30-025-26976). NP NEW DISTRUBANCE ON STATE LAND IS ANTICIPATED. PER NM OIL CONVERVATION DIVISION, THE BORING MUST STAY OPEN FOR 72 HOURS TO DEMONSTRATE THAT THE BORING IS DRY. DETERMINATION OF DRYNESS OR DEPTH TO

GROUNDWATER WILL BE DONE BY A PROFESSIONAL GEOLOGIST AND WITNESSED BY THE DRILLER PRIOR TO PLUGGING THE HOLE. PLUGGING WILL BE PER THE SPECIFICATIONS PROVIDED IN THE PLUGGING PLAN OF OPERATIONS AS PROVIDED BY THE OFFICE OF THE STATE

ENGINEER. TO ADDRESS ITEM 4 BELOW, THIS IS AN EXPLORATORY BORING WITH THE SOLE PURPOSE OF PROVING THAT THE DEPTH OF GROUNDWATER EXCEEDS 101 FEET BGS. THE BORING SERVES NO OTHER PURPOSE.

Conditions

- 16 Construction of a water well by anyone without a valid New Mexico Well Driller License is illegal, and the landowner shall bear the cost of plugging the well by a licensed New Mexico well driller. This does not apply to driven wells, the casing of which does not exceed two and three-eighths inches outside diameter.
- 1A Depth of the well shall not exceed the thickness of the valley fill.
- 4 No water shall be appropriated and beneficially used under this permit.
- B The well shall be drilled by a driller licensed in the State of New Mexico in accordance with 72-12-12 NMSA 1978. A licensed driller shall not be required for the construction of a well driven without the use of a drill rig, provided that the casing shall not exceed two and three-eighths (2 3/8) inches outside diameter.
- C The well driller must file the well record with the State Engineer and the applicant within 30 days after the well is drilled or driven. It is the well owner's responsibility to ensure that the well driller files the well record. The well driller may obtain the well record form from any District Office or the Office of the State Engineer website.
- 6 The well authorized by this permit shall be plugged completely using the following method per Rules and Regulations Governing Well Driller Licensing, Construction, Repair and Plugging of Wells; Subsection C of 19.27.4.30 NMAC unless an alternative plugging method is proposed by the well owner and approved by the State Engineer upon completion of the permitted use. All pumping appurtenance shall be removed from the well prior to plugging. To plug a well, the entire well shall be filled from the bottom upwards to ground surface using a tremie pipe. The bottom of the tremie shall remain submerged in the sealant throughout the entire sealing process; other placement methods may be acceptable
- 7 The Permittee shall utilize the highest and best technology available to ensure conservation of water to the maximum extent practical.
- P The well shall be constructed, maintained, and operated to prevent inter-aquifer exchange of water and to prevent loss of hydraulic head between hydrogeologic zones.
- Q The State Engineer retains jurisdiction over this permit.
- R Pursuant to section 72-8-1 NMSA 1978, the permittee shall allow the State Engineer and OSE representatives entry upon private property for the performance of their respective duties, including access to the ditch or acequia to measure flow and also to the well for meter reading and water level measurement.

Action of the State Engineer

IT IS THE PERMITTEE S RESPONSIBILITY TO OBTAIN ALL AUTHORIZATIONS AND PERMISSIONS TO DRILL ON PROPERTY OF OTHER OWNERSHIP BEFORE COMMENCING ACTIVITIES UNDER THIS PERMIT.

**** See Image For Any Additional Conditions of Approval ****

Approval Code: A - Approved

Action Date: 01/13/2022

Log Due Date: 01/13/2022

nmwrrs.ose.state.nm.us/ReportDispatcher?type=TRANSHTML&name=TransactionSummaryHTML.jrxml&basin=CP&nbr=01898&...
State Engineer: John T. Romero

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

8/3/23 3:37 PM

TRANSACTION
SUMMARY



Amarillo, TX - Artesia, NM
Midland, TX - San Antonio, TX

BORING LOG

Boring Number:	Job Number:	Driller/Co.: Talon LPE
Site Name: NBR	Logger:	Bit Size:
Location:	Weather:	Rig Type:
Date:	Sample Retrieval Method: Grab	Drilling Method: Air Rotary

Sample Number	Sample Interval (ft)	Sample Recovery (ft)	USCS	Sample Material/Comments	ODOR	PID (ppm)
	0 - 6'			Caliche Backfill with sand and gravel		
	6 - 15'			Light Brown/Tan sand and gravel		
	16 - 24'			Red/Brown Sand with light clay and gravel		
	25 - 40'			Red sand and gravel		
	41 - 95'			Fine sand (Red - light brown) with clay		
	95' - 105'			Red - Dark Brown sand/clay with light gravel		

--

National Flood Hazard Layer FIRMette



103°37'9"W 32°23'51"N



Legend

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

- SPECIAL FLOOD HAZARD AREAS**
 - Without Base Flood Elevation (BFE) Zone A, V, A99
 - With BFE or Depth Zone AE, AO, AH, VE, AR
 - 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 Zone X
 - Future Conditions 1% Annual Chance Flood Hazard Zone X
 - Area with Reduced Flood Risk due to Levee. See Notes. Zone X
 - Area with Flood Risk due to Levee Zone D
 - OTHER AREAS**
 - NO SCREEN Area of Minimal Flood Hazard Zone X
 - Effective LOMRs
 - Area of Undetermined Flood Hazard Zone D
 - GENERAL STRUCTURES**
 - Channel, Culvert, or Storm Sewer
 - Levee, Dike, or Floodwall
 - OTHER FEATURES**
 - Cross Sections with 1% Annual Chance Water Surface Elevation
 - Coastal Transect
 - Base Flood Elevation Line (BFE)
 - Limit of Study
 - Jurisdiction Boundary
 - Coastal Transect Baseline
 - Profile Baseline
 - Hydrographic Feature
 - MAP PANELS**
 - 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.

Released to Imaging: 1/10/2024 3:37:58 PM

1:6,000

103°36'31"W 32°23'21"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 9/22/2023 at 4:10 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.



NWI Map



September 22, 2023

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- 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.

Active Mines in New Mexico

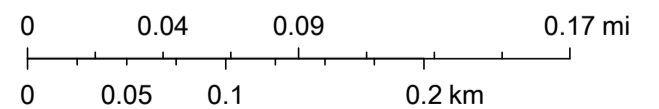


9/22/2023, 3:08:07 PM

Land Ownership

- S
- PLSS Second Division
- PLSS First Division

1:4,514



U.S. BLM, Esri, HERE, Garmin, iPC, Maxar, BLM

Mineral and Surface Owners Map



9/22/2023, 3:06:18 PM

Mineral Ownership

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

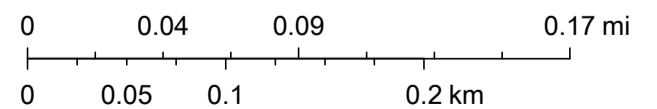
Land Ownership

S

PLSS Second Division

PLSS First Division

1:4,514



U.S. BLM, OCD, Esri, HERE, Garmin, IPC, Maxar, BLM

Karst Map

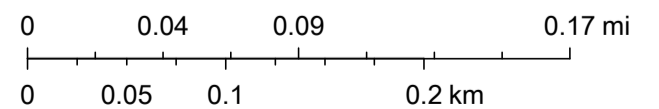


9/22/2023, 3:05:05 PM

Karst Occurrence Potential

- Low
- PLSS Second Division
- PLSS First Division

1:4,514








BLM, OCD, New Mexico Tech, OCD, Esri, HERE, Garmin, iPC, Maxar, BLM

OCD Well Locations

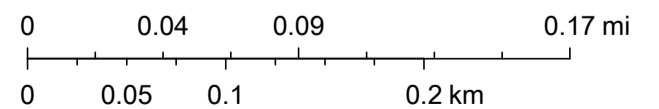


9/22/2023, 3:04:09 PM

Wells - Large Scale

-  Gas, Active
-  Oil, Active
-  Salt Water Injection, Plugged
-  PLSS Second Division
-  PLSS First Division

1:4,514



Oil Conservation Division of the New Mexico Energy, Minerals and Natural Resources Department., OCD, Esri, HERE, Garmin, iPC, Maxar, BLM



APPENDIX C

Photographic Documentation



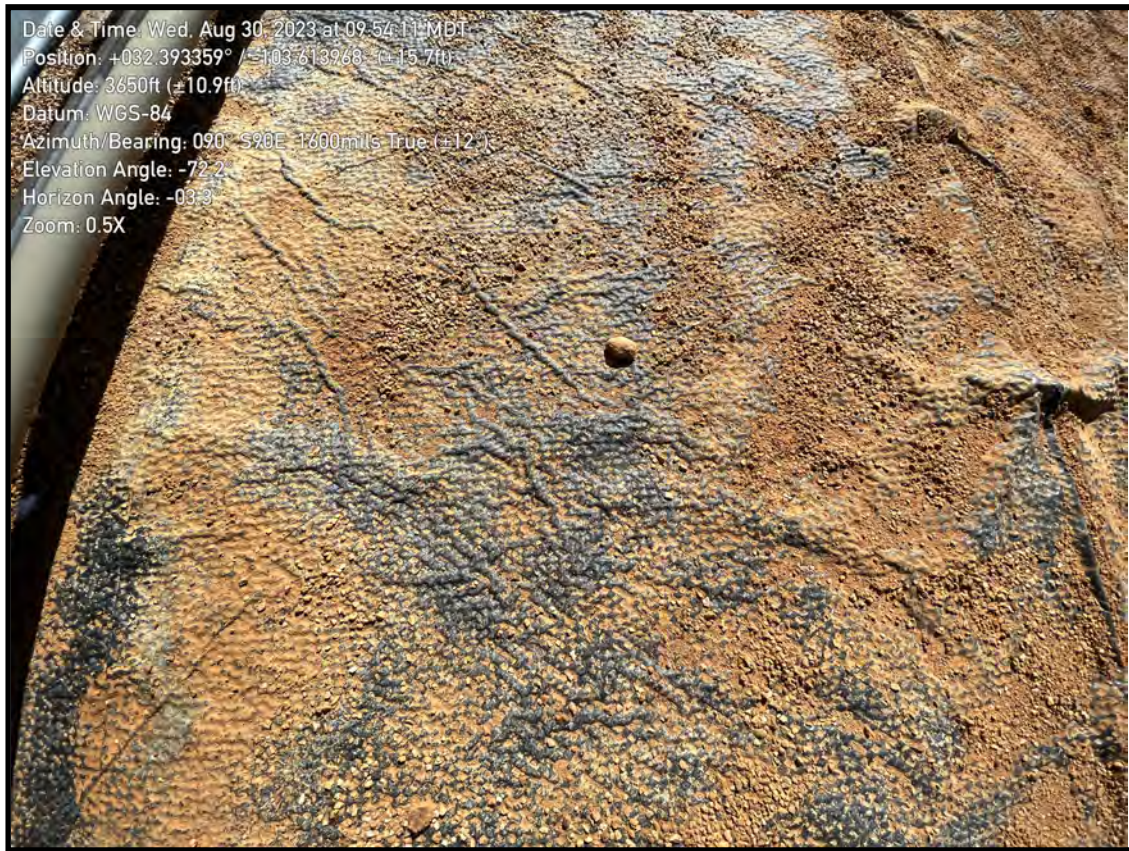
Date & Time: Wed, Aug 30, 2023 at 09:54:01 MDT
Position: +032.393372° / -103.613986° (±15.7ft)
Altitude: 3655ft (±10.9ft)
Datum: WGS-84
Azimuth/Bearing: 047° N47E 0836mils True (±12°)
Elevation Angle: -13.8°
Horizon Angle: +01.7°
Zoom: 0.5X

View of the final excavation area, facing northeast



Date & Time: Wed, Aug 30, 2023 at 09:54:34 MDT
Position: +032.393403° / -103.613925° (±11.6ft)
Altitude: 3654ft (±9.8ft)
Datum: WGS-84
Azimuth/Bearing: 110° S70E 1956mils True (±12°)
Elevation Angle: -21.5°
Horizon Angle: +00.6°
Zoom: 0.5X

View of the final excavation area, facing southeast.



View of liner inspection on central and western portion of tank battery.



View of newly installed liner on eastern portion of tank battery.



APPENDIX D

C-141

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

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

Form C-141
 Revised August 24, 2018
 Submit to appropriate OCD District office

Incident ID	nAPP2321557100
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Oxy USA Inc.	OGRID: 16696
Contact Name: Tyson Pierce	Contact Telephone: 575-390-3610
Contact email: Tyson_pierce@oxy.com	Incident # nAPP2321557100
Contact mailing address: PO Box 4294, Houston, TX 77210	

Location of Release Source

Latitude 32.39335 Longitude -103.61392
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: NBR State 2 Battery	Site Type: Tank Battery
Date Release Discovered: 06/27/2023	API# (if applicable)

Unit Letter	Section	Township	Range	County
F	18	22S	33E	Lea

Surface Owner: State Federal Tribal Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls): 75	Volume Recovered (bbls): 70
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls): 125	Volume Recovered (bbls): 110
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: Tank overflow.


State of New Mexico
Oil Conservation Division

Incident ID	nAPP2321557100
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? Release is greater than 25 barrels.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes, by Wade Dittrich of Oxy via email to OCD.enviro@emnrd.nm.gov and spills@slo.state.nm.us on 06/28/2023 at 1512.	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
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.	
Printed Name: <u>Tyson Pierce</u> Signature:  email: <u>Tyson_pierce@oxy.com</u>	Title: <u>Environmental Advisor</u> Date: <u>9/25/23</u> Telephone: <u>575-390-3610</u>
<u>OCD Only</u> Received by: _____ Date: _____	

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Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	>100 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within 1/2-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

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Printed Name: Tyson Pierce

Title: Environmental Advisor

Signature: 

Date: 9/25/23

email: Tyson_pierce@oxy.com

Telephone: 575-390-3610

OCD Only

Received by: Shelly Wells

Date: 10/6/2023

Incident ID	nAPP2321557100
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Closure

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 (electronic submittals in .pdf format are preferred) 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.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

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.

Printed Name: Tyson Pierce

Title: Environmental Advisor

Signature: 

Date: 9/25/23

email: Tyson_pierce@oxy.com

Telephone: 575-390-3610

OCD Only

Received by: Shelly Wells

Date: 10/6/2023

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Scott Rodgers

Date: 01/10/2024

Printed Name: Scott Rodgers

Title: Environmental Specialist Adv.

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720

District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720

District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 273129

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 273129
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	None	1/10/2024