

January 24, 2020

Vertex Project #: 19E-00575-033

| Spill Closure Report: | Ironhouse 24 State Com 1H (Flare Fire) |
|-----------------------|--|
| | Unit P, Section 24, Township 18 South, Range 34 East |
| | County: Lea |
| | API: 30-025-41163 |
| | Incident Report: nOY1720827033 |
| | |

 Prepared For:
 Devon Energy Production Company

 6488 Seven River Hwy

 Artesia, NM 88210

New Mexico Oil Conservation Division – District 1 – Hobbs 1625 North French Drive Hobbs, New Mexico 88240

On December 2, 2019, Devon Energy Production Company (Devon) retained Vertex Resource Services Inc. (Vertex) to conduct a site assessment and remediation for an oil release at Ironhouse 24 State Com 1H (Ironhouse 24), API 30-025-41163. Devon submitted an initial C-141 Release Notification (Attachment 1) to New Mexico Oil Conservation Division (NM OCD) District I and the State Land Office (SLO), who own the property, on July 27, 2017. Incident report number nOY1720827033 was assigned to this incident.

This letter provides a description of the release assessment and remediation activities, and demonstrates that closure criteria established in Table I of 19.15.29.12 *New Mexico Administrative Code* (NMAC; New Mexico Oil Conservation Division, 2018) are being met and all applicable regulations are being followed. This document is intended to serve as a final report to obtain approval from NM OCD for closure of this release, with the understanding that restoration of the release site will be deferred until such time as all oil and gas activities are terminated and the site is reclaimed per 19.15.29.13 NMAC.

Incident Description

On July 13, 2017, a release at Devon's Ironhouse 24 site occurred when a flare scrubber swamped out, sending oil to the flare and causing a fire and minor release. The fire resulted in the release of approximately 0.25 barrel (bbl) of oil that misted onto the pad and onto an adjacent pasture to the northeast. The release area was determined to be approximately 20 feet by 20 feet; the total affected area was determined to be approximately 400 square feet.

Site Characterization

The release occurred on state-owned land at N 32.7265167, W 103.5080643, approximately 20 miles west of Hobbs, New Mexico. The legal description for the site is Unit P, Section 24, Township 18 South, Range 34 East, in Lea County, New Mexico. This location is within the Permian Basin in southeast New Mexico and has historically been used for oil and gas exploration and production, and rarely range land.

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Ironhouse 24 is typical of oil and gas exploration and production sites on the western portion of the Permian Basin, and is currently used for oil and gas production. The following sections specifically describe the release area on the northeast corner of the constructed pad where the flare stack is located and in the adjacent pasture, as shown on Figure 1 (Attachment 2).

The climate is semiarid, with average annual precipitation ranging between 14 and 16 inches. The surrounding landscape is comprised of several low production plant communities, with the dominant vegetation being primarily little bluestem and sideoats grama grass species and the occasional shrubs, such as feather dalea, skunkbush sumac and juniper. Vegetation is generally sparse, with the shallow soil depth limiting plant density and the limy soils resulting in plants that are less palatable for grazing livestock than areas with deeper soil (United States Department of Agriculture, Natural Resources Conservation Service, 2019). Limited to no vegetation is allowed to grow on the compacted wellpad.

The Geological Map of New Mexico (New Mexico Bureau of Geology and Mineral Resources, 2019) indicates the surface geology at Ironhouse 24 is comprised primarily of To—Ogallala formation, which is alluvial and eolian deposits and petrocalcic soils indicative of southern High Plains. The United States Department of Agriculture (USDA) Web Soil Survey characterizes the soil at the site as Kimbrough-Lea complex, which consists of shallow layers of gravelly loam and loam over a cemented material (United States Department of Agriculture, Natural Resources Conservation Service, 2019). The soil is well-drained with high runoff and very low moisture levels in the profile. There is low potential for karst geology to be present near Ironhouse 24 (United States Department of the Interior, Bureau of Land Management, 2019).

There is no surface water located at Ironhouse 24. Based on the United States Fish and Wildlife Service National Wetlands Inventory, the nearest significant watercourse, as defined in Subsection P of 19.15.17.7 NMAC, is an intermittent stream located approximately 173 feet north of the site (United State Fish and Wildlife Service, 2019). There are no known water sources within a half mile of the release, nor are there any continuously flowing watercourses or significant watercourses, lakebeds, sinkholes, playa lakes or other critical water or community features as outlined in Paragraph (4) of Subsection C of 19.15.29.12 NMAC.

Using information from the New Mexico Office of the State Engineer (NM OSE) Water Column/Average Depth to Water report, depth to groundwater at Ironhouse 24 is estimated to be approximately 117 feet below ground surface (bgs) based on a groundwater well located approximately 600 feet south of the release location (New Mexico Office of the State Engineer, New Mexico Water Rights Reporting System, 2019). The Chevron Texaco Depth to Ground Water map for Lea County confirms that depth to groundwater in the vicinity of Ironhouse 24 is approximately 100 feet bgs. Documentation pertaining to site characterization and depth to groundwater determination is included in Attachment 3.

Closure Criteria Determination

Using site characterization information, a closure criteria determination worksheet (Attachment 3) was completed to determine if the release was subject to any of the special case scenarios outlined in Paragraph (4) of Subsection C of 19.15.29.12 NMAC.

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| Devon Energy Production Company |
|---------------------------------|
| Ironhouse 24 State Com 1H |

Based on data included in the closure criteria determination worksheet, the release at Ironhouse 24 is not subject to the requirements of Paragraph (4) of Subsection C of 19.15.29.12 NMAC and the closure criteria for the site is determined to be associated with the following constituent concentration limits.

| Table 1. Closure Criteria for Soils Impacted by a Release | | | | | | | | | |
|---|-------------------|--------------|--|--|--|--|--|--|--|
| Depth to Groundwater | Constituent | Limit | | | | | | | |
| | Chloride | 20,000 mg/kg | | | | | | | |
| | TPH ¹ | | | | | | | | |
| >100 feet | (GRO + DRO + MRO) | 2,500 mg/kg | | | | | | | |
| >100 leet | GRO + DRO | 1,000 mg/kg | | | | | | | |
| | BTEX ² | 50 mg/kg | | | | | | | |
| | Benzene | 10 mg/kg | | | | | | | |

¹Total petroleum hydrocarbons (TPHs) = gasoline range organics (GRO) + diesel range organics (DRO) + motor oil range organics (MRO) ²Benzene, toluene, ethyl benzene and xylene (BTEX)

Remedial Actions

An initial site inspection of the release area and remediation activities were completed prior to Vertex being assigned this project.

On December 3, 2019, Vertex provided 48-hour notification of confirmation sampling to NM OCD and the SLO, as required by Subparagraph (a) of Paragraph (1) of Subsection D 19.15.29.12 NMAC (Attachment 5). On December 5, 2019, a Vertex representative was on-site to conduct confirmatory sampling. Vertex personnel collected three five-point composite samples from the identified release area such that no composite sample was representative of more than 200 square feet per the alternate sampling method outlined in Subparagraph (c) of Paragraph (1) of Subsection D 19.15.29.12 NMAC, which does not require prior NM OCD approval. The confirmatory samples were collected and placed in laboratory-provided containers, preserved on ice, and submitted to a National Environmental Laboratory Accreditation Program (NELAP)-approved laboratory for chemical analysis. The Daily Field Report (DFR) associated with confirmatory sampling is included in Attachment 4.

Laboratory analyses included Method 300.0 for chlorides, Method 8021B for volatile organics, including BTEX, and EPA Method 8015 for TPH, including MRO, DRO and GRO. Final confirmatory sample analytical data are summarized in Attachment 6. Laboratory data reports and chain of custody forms are included in Attachment 7.

A GeoExplorer 7000 Series Trimble global positioning system (GPS) unit was used to map the approximate center of each five-point composite sample. These confirmation sampling locations are presented on Figure 1 (Attachment 2).

Closure Request

Vertex does not recommend any additional remediation action to address the release at Ironhouse 24. As demonstrated in Table 2, laboratory analyses of the three confirmatory samples collected at Ironhouse 24 in December 2019 show final confirmatory values below NM OCD closure criteria for areas where depth to groundwater is greater than 100 feet bgs. There are no anticipated risks to human, ecological or hydrological receptors at the release site. Based on the results of confirmatory sampling and the current state of vegetation at the release site, Vertex requests that restoration

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Devon Energy Production Company Ironhouse 24 State Com 1H

and reclamation of the release area be deemed complete per 19.15.29.13 NMAC.

Vertex requests that Incident nOY1720827033 be closed as all closure requirements set forth in Subsection E of 19.15.29.12 NMAC have been met. Devon certifies that all information in this report and the attachments is correct, and that they have complied with all applicable closure requirements and conditions specified in Division rules and directives to meet NM OCD requirements to obtain closure on the July 13, 2017, release at Ironhouse 24 State Com 1H.

Should you have any questions or concerns, please do not hesitate to contact me at 505.506.0040 or ngordon@vertex.ca.

Sincerely,

atalie Fordon

Natalie Gordon PROJECT MANAGER

Attachments

- Attachment 1. NM OCD C-141 Report
- Attachment 2. Site Schematic and Confirmatory Sample Locations
- Attachment 3. Closure Criteria for Soils Impacted by a Release Research Determination Documentation
- Attachment 4. Daily Field Report(s) with Photographs
- Attachment 5. 48-hr Confirmation Sampling Notification
- Attachment 6. Confirmatory Sample Analyses Data Table
- Attachment 7. Laboratory Data Report and Chain of Custody Form

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References

Chevron Texaco. (2005). Eddy Co. Depth to Ground Water, Water Wells, Facilities.

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- New Mexico Water Rights Reporting System. (2019). *Water Column/Average Depth to Water Report*. Retrieved from http://nmwrrs.ose.state.nm.us/nmwrrs/waterColumn.html.
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- United State Fish and Wildlife Service. (2019). *National Wetland Inventory Surface Waters and Wetland*. Retrieved from https://www.fws.gov/wetlands/data/mapper.html.

Limitations

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This report has been prepared for the sole benefit of Devon Energy Production Company. This document may not be used by any other person or entity, with the exception of the New Mexico Oil Conservation Division, without the express written consent of Vertex Resource Services Inc. (Vertex) and Devon Energy Production Company. Any use of this report by a third party, or any reliance on decisions made based on it, or damages suffered as a result of the use of this report are the sole responsibility of the user.

The information and conclusions contained in this report are based upon work undertaken by trained professional and technical staff in accordance with generally accepted scientific practices current at the time the work was performed. The conclusions and recommendations presented represent the best judgement of Vertex based on the data collected during the assessment. Due to the nature of the assessment and the data available, Vertex cannot warrant against undiscovered environmental liabilities. Conclusions and recommendations presented in this report should not be considered legal advice.

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ATTACHMENT 1

State of New Mexico Energy Minerals and Natural Resources

> Oil Conservation Division 1220 South St. Francis Dr.

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Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

| 220 S. St. Fran | icis Dr., Santa | a Fe, NM 87505 |) | Sa | ınta F | e, NM 875 | 05 | | | | | | |
|---------------------|-----------------|-----------------|--------------------|---------------------|------------|--|----------------------|---------------------|---|--|--|--|--|
| | | | Rele | ease Notific | atio | n and Co | rrective A | ction | | | | | |
| | | | | | | OPERA | ΓOR | 🖂 Init | ial Report 🛛 Final Report | | | | |
| Name of Co | ompany D | evon Energy | y Product | tion Company | | Contact D | anny Velo, Proc | | | | | | |
| Address 64 | 88 Seven | Rivers Hwy | Artesia, l | NM 88210 | | Telephone 1 | No. 575-703-33 | 60 | | | | | |
| Facility Na | me Ironho | use 24 State | Com 1H | | | Facility Ty | be Oil | | | | | | |
| Surface Ov | wner State | | | Mineral | Owner | State | | API N | 10 30-025-41163 | | | | |
| | | | | LOCA | TIO | N OF REI | EASE | | | | | | |
| Unit Letter | Section | Township | Range | Feet from the | | n/South Line | Feet from the | East/West Line | County | | | | |
| Р | 24 | 18S | 34Ĕ | 150' | | FSL | 825' | FEL | Lea | | | | |
| | | | | | | _ | | | | | | | |
| | | | La | titude: 32.7265 | 167 | Lon | gitude: -103.508 | 0643 | | | | | |
| | | | | NAT | URE | OF REL | | | | | | | |
| Type of Rele | ease | | | | | Volume of | Release | | Recovered | | | | |
| Oil Source of Re | elease | | | | | 1/4bbl Date and I | Hour of Occurre | 0bbl nce Date an | d Hour of Discovery | | | | |
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| Was Immed | iate Notice | | | | | If YES, To | | . | | | | | |
| | | \boxtimes | Yes |] No 🗌 Not Re | equired | Shelly Tuc Olivia Yu, | | | | | | | |
| By Whom? | | | | | | Date and I | | | | | | | |
| Ky Scott, As | st. Producti | on Foreman | | | | Shelly Tucker, BLM July 13, 2017 @ 10:30 | | | | | | | |
| Wee e W-4 | | a ah a 49 | | | | | OCD July 13, 20 | | | | | | |
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| | ourse was I | mpacted, Des | | | | | | | | | | | |
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| | | | | | and rel | ease. The gas | was shut off to th | e flare and when | it was safe the fire was | | | | |
| extinguished. | - | U | | C | | (| | | | | | | |
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| | | and Cleanu | | | | | - | | | | | | |
| | • | | | | | | U | | eximately 20' x 20' was affected. | | | | |
| Obbls oil wer | e recovered | . An environi | mental coi | ntractor will be co | ntacted | to assist with | delineation and re | emediation. | | | | | |
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| | | | | | | | | | elieve the operator of liability | | | | |
| should their o | operations h | ave failed to a | adequately | v investigate and r | emedia | te contaminati | on that pose a three | eat to ground wat | er, surface water, human health | | | | |
| | | | | ptance of a C-141 | report c | loes not reliev | e the operator of | responsibility for | compliance with any other | | | | |
| iederal, state, | , or local lav | ws and/or regu | nations. | | | | | SEDVATION | IDIVISION | | | | |
| Signature: S | heila Fi | sher | | | | | <u>UIL CON</u> | SERVATION | N DI VISION | | | | |
| | | | | | | | | | or | | | | |
| Printed Name | e: Sheila Fis | sher | | | | Approved by | Environmental S | pecialist: | <u>~ ()</u> | | | | |
| | | | | | | | 7/24/2017 | 7 | | | | | |
| Title: Field A | Admin Sup | port | | | | Approval Dat | e: | Expiration | 1 Date: | | | | |
| E-mail Addre | ess: Sheila. | fisher@dvn.c | om | | | Conditions of | Approval: | | Attached | | | | |
| | | | | | | | bry laboratory | analyses of | Attached | | | | |
| Date: 7/14/ | /17 | Pho | ne: 575.7 4 | 18.1829 | | | il complos (0 6 | • | | | | | |

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* Attach Additional Sheets If Necessary



impacted pasture area.

discrete soil samples (0-6") from the

nOY1720827033

pOY1720827296



ATTACHMENT 2



cny/Projects/Deven Energy/Ironhouse 24 State Com 11/Figure 1 - Confirmation samples Ironhouse 24 State Com 11.mxd

Natasha Mod

ATTACHMENT 3

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| ite Nam | e: Ironhouse 24 State Com 1H | | |
|-----------|---|---------------|-----------------------------------|
| Spill Coo | rdinates: | X: 32.7265167 | Y: -103.5080643 |
| Site Spec | ific Conditions | Value | Unit |
| 1 | Depth to Groundwater | 117 | feet |
| 2 | Within 300 feet of any continuously flowing watercourse or any other significant watercourse | 2,854 | feet |
| 3 | Within 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark) | 4,299 | feet |
| 4 | Within 300 feet from an occupied residence, school, hospital, institution or church | 17,122 | feet |
| 5 | i) Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or | 1,060 | feet |
| | ii) Within 1000 feet of any fresh water well or spring | >1000 | feet |
| 6 | Within incorporated municipal boundaries or within a defined municipal fresh water field covered under a municipal ordinance adopted pursuant to Section 3-27-3 NMSA 1978 as amended, unless the municipality specifically approves | No | (Y/N) |
| 7 | Within 300 feet of a wetland | 818 | feet |
| 8 | Within the area overlying a subsurface mine | No | (Y/N) |
| 9 | Within an unstable area (Karst Map) | Medium | Critical High Medium Low |
| 10 | Within a 100-year Floodplain | >100 | year |
| | NMAC 19.15.29.12 E (Table 1) Closure Criteria | 51-100' | <50' 51-100' >100' |

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

| (A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.) | (R=POD ha been replac O=orphaned C=the file is closed) | ed, d, | | | | | 2=NE 3 | 3=SW 4=SE gest) (N | :) AD83 UTM in me | eters) | (1 | n feet) | |
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| | POD Sub- | | | QQ | | T | Dura | v v | V | Distance | | | Water |
| POD Number L 12926 POD1 | Code basir L | LE | | | | 1 ws 18S | • | X 639839 | Y 3621631 🌍 | Distance 323 | 182 | water 117 | Column 65 |
| L 03888 | L | LE | | 3 1 | 19 | 18S | 35E | 640253 | 3622912* 🥌 | 1057 | 107 | 70 | 37 |
| L 07928 | L | LE | 4 | 4 1 | 19 | 18S | 35E | 640639 | 3622915 🌍 | 1272 | 175 | | |
| L 03721 | L | LE | | 33 | 18 | 18S | 35E | 640241 | 3623717* 🌍 | 1816 | 161 | 90 | 71 |
| L 09767 | L | LE | | 33 | 13 | 18S | 34E | 638636 | 3623688* 🌍 | 2091 | 182 | 96 | 86 |
| L 04562 | L | LE | | 31 | 29 | 18S | 35E | 641874 | 3621315* 🌍 | 2164 | 156 | 95 | 61 |
| L 03171 | L | LE | | 33 | 17 | 18S | 35E | 641835 | 3623734* 🌍 | 2699 | 170 | 150 | 20 |
| L 02053 | L | LE | | | 20 | 18S | 35E | 642464 | 3622723* 🌍 | 2767 | 175 | 78 | 97 |
| L 02357 | L | LE | | 2 | 20 | 18S | 35E | 642855 | 3623137* 🌍 | 3271 | 170 | 77 | 93 |
| L 09576 | L | LE | | 1 1 | 35 | 18S | 34E | 637082 | 3620041* 🌍 | 3327 | 180 | 130 | 50 |
| L 09775 | L | LE | 1 | 23 | 14 | 18S | 34E | 637249 | 3624084 🌍 | 3328 | 183 | 110 | 73 |
| L 03765 POD4 | L | LE | 2 | 12 | 27 | 18S | 34E | 636475 | 3621831 🌍 | 3332 | 180 | 80 | 100 |
| L 05172 | L | LE | | 33 | 07 | 18S | 35E | 640214 | 3625331* 🌍 | 3402 | 161 | 85 | 76 |
| L 12633 POD1 | L | LE | 2 | 22 | 34 | 18S | 34E | 636852 | 3620203 🌍 | 3432 | 180 | 117 | 63 |
| L 04531 | L | LE | | 13 | 14 | 18S | 34E | 637016 | 3624067* 🌍 | 3499 | 125 | 100 | 25 |
| L 05156 | L | LE | | 4 1 | 17 | 18S | 35E | 642224 | 3624545* 🌍 | 3544 | 150 | 90 | 60 |
| L 02052 | L | LE | | | 17 | 18S | 35E | 642438 | 3624337* 🌍 | 3551 | 190 | 72 | 118 |
| L 09742 | L | LE | | 14 | 17 | 18S | 35E | 642474 | 3624312 🌍 | 3561 | 200 | | |
| L 04906 | L | LE | | 3 | 07 | 18S | 35E | 640415 | 3625532* 🌍 | 3630 | 155 | 87 | 68 |
| L 05574 | R L | LE | 1 | 33 | 12 | 18S | 34E | 638509 | 3625399* 🌍 | 3681 | | | |
| L 01614 | L | LE | 3 | 14 | 12 | 18S | 34E | 639305 | 3625618* 🌍 | 3698 | 204 | 85 | 119 |
| L 11934 POD1 | L | LE | 3 | 34 | 35 | 18S | 34E | 637806 | 3618744* 🌍 | 3781 | 160 | 105 | 55 |
| L 04931 X | L | LE | | 13 | 07 | 18S | 35E | 640208 | 3625735* 🌍 | 3802 | 212 | 105 | 107 |
| L 02349 | R L | LE | 3 | 14 | 07 | 18S | 35E | 640891 | 3625641* 🌍 | 3844 | 207 | 85 | 122 |
| L 04794 | L | LE | | 4 | 07 | 18S | 35E | 641200 | 3625540* 🌍 | 3848 | 150 | 95 | 55 |
| L 02349 POD2 | L | LE | 4 | 14 | 07 | 18S | 35E | 641091 | 3625641* 🌍 | 3905 | 214 | 85 | 129 |
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| L 05079 | L | LE | | 1 | 3 1 | 2 18S | 34E | 638604 | 3625702* 🌍 | 3936 | 159 | 76 | 83 |
| L 05444 | L | LE | | 4 | 3 3 | 2 18S | 35E | 642319 | 3618899* 🌍 | 3955 | 80 | 58 | 22 |
| L 04975 | L | LE | 2 | 2 | 3 0 | 7 18S | 35E | 640688 | 3625837* 🌍 | 3982 | 152 | 105 | 47 |
| L 00493 | L | LE | 1 | 2 | 1 0 | 5 19S | 35E | 642290 | 3618663 🌍 | 4123 | 100 | | |
| L 04851 | L | LE | | 4 | 2 1 | 2 18S | 34E | 639801 | 3626130* 🌍 | 4176 | 155 | 95 | 60 |
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| L 04762 | L | LE | | | 0 | 6 19S | 35E | 640945 | 3617872* 🌍 | 4237 | 175 | 130 | 45 |
| L 02350 | L | LE | 4 | 1 | 3 0 | 8 18S | 35E | 641897 | 3625650* 🌍 | 4247 | 216 | 105 | 111 |
| L 04211 | L | LE | | 1 | 3 0 | 6 19S | 35E | 640337 | 3617672* 🌍 | 4314 | 130 | 60 | 70 |
| L 14371 POD1 | L | LE | 1 | 1 | 2 0 | 5 19S | 35E | 642616 | 3618661 🌍 | 4328 | 172 | 60 | 112 |
| L 01613 S2 | L | LE | 2 | 3 | 3 1 | 1 18S | 34E | 637095 | 3625374* 🌍 | 4364 | 220 | 99 | 121 |
| L 09750 | L | LE | | 3 | 3 2 | 2 18S | 34E | 635440 | 3622029* 🌍 | 4366 | 200 | | |
| <u>L 04995</u> | L | LE | | 4 | 4 3 | 4 18S | 34E | 636700 | 3618828* 🌍 | 4405 | 179 | 105 | 74 |
| L 05220 | L | LE | | 1 | 4 0 | 6 19S | 35E | 641131 | 3617681* 🌍 | 4473 | 100 | 55 | 45 |
| L 13634 POD1 | L | LE | 3 | 3 | 1 2 | 7 18S | 34E | 635352 | 3621122 🌍 | 4530 | 182 | 152 | 30 |
| L 02499 POD3 | L | LE | 1 | 1 | 1 2 | 7 18S | 34E | 635252 | 3621814 🌍 | 4555 | 180 | 121 | 59 |
| L 14200 POD1 | L | LE | 2 | 2 | 2 0 | 5 19S | 35E | 642952 | 3618657 🌍 | 4557 | 180 | 60 | 120 |
| L 10236 | L | LE | | 3 | 3 2 | 7 18S | 34E | 635466 | 3620420* 😜 | 4602 | | | |
| L 10344 POD2 | L | LE | | 3 | 3 2 | 7 18S | 34E | 635466 | 3620420* 😜 | 4602 | 142 | 112 | 30 |
| L 05139 | L | LE | | 2 | 1 1: | 2 18S | 34E | 638992 | 3626517* 🌍 | 4635 | 150 | 95 | 55 |
| L 07361 | L | LE | | 2 | 1 1: | 2 18S | 34E | 638992 | 3626517* 🌍 | 4635 | 202 | 100 | 102 |
| L 09428 | L | LE | 3 | 4 | 1 0 | 5 19S | 35E | 642231 | 3617997* 🌍 | 4640 | 130 | | |
| L 05851 | L | LE | | | 1 3 | 4 18S | 34E | 635681 | 3619816* 🌍 | 4645 | 240 | 85 | 155 |
| L 04778 | L | LE | | 2 | 1 0 [.] | 7 18S | 35E | 640575 | 3626545* 🌍 | 4655 | 150 | 75 | 75 |
| L 02680 | L | LE | | 1 | 2 2 | 1 18S | 35E | 644257 | 3623357* 🌍 | 4667 | 190 | 59 | 131 |
| L 09762 | L | LE | | 3 | 3 3 | 3 18S | 35E | 643526 | 3618913* 🌍 | 4804 | 160 | 80 | 80 |
| L 14200 POD2 | L | LE | 2 | 2 | 2 0 | 5 19S | 35E | 643291 | 3618631 🌍 | 4815 | 180 | 60 | 120 |
| 1 00599 | | | 4 | 2 | 1 1 | 6 100 | 255 | 644240 | 2622650* 🦲 | 4050 | 155 | 0.4 | 74 |

*UTM location was derived from PLSS - see Help

L

LE

L 09588

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3623659* 🧯

4 3 4 16 18S 35E

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| <i>Received by OCD: 5/6/202</i> (A CLW##### in the | 20 9:53:0 (R=PC | | | | | | | | | | | | | Pag | ge 16 of 69 |
|---|------------------------------------|------------------|---------|---|---|---|-----|-----|------------------|------------------------|----------------------|-------------|--------|----------|-----------------|
| POD suffix indicates the POD has been replaced & no longer serves a water right file.) | been r O=orp C=the closed | hanec file is | l, (| | | | | | 2=NE st to la | 3=SW 4=SE rgest) (N | :) AD83 UTM in me | eters) | (| In feet) | |
| | | POD Sub- | | 0 | Q | 0 | | | | | | | Danth | Domth | Mater |
| POD Number | Code | | County | | | - | Sec | Tws | Rng | х | Y | Distance | - | - | Water Column |
| L 02679 | | L | LE | | | | | | 35E | 644680 | 3622151* 🌍 | 4878 | | | 132 |
| L 02679 | R | L | LE | | 4 | 4 | 21 | 18S | 35E | 644680 | 3622151* 🌍 | 4878 | 200 | 68 | 132 |
| L 04777 | | L | LE | 1 | 2 | 2 | 07 | 18S | 35E | 641279 | 3626653* 🌍 | 4925 | 145 | 85 | 60 |
| L 04796 | | L | LE | 4 | 4 | 3 | 06 | 18S | 35E | 640667 | 3626847* 🌍 | 4968 | 150 | 95 | 55 |
| L 10202 | | L | LE | | 4 | 4 | 28 | 18S | 34E | 635065 | 3620414* 🌍 | 4984 | 70 | 50 | 20 |
| | | | | | | | | | | | Avera | ge Depth to | Water | 91 | feet |
| | | | | | | | | | | | | Minimum | Depth: | 50 | feet |
| | | | | | | | | | | | | Maximum | Depth: | 152 | feet |
| Record Count: 60 | | | | | | | | | | | | | | | |

UTMNAD83 Radius Search (in meters):

Easting (X): 639805.41

Northing (Y): 3621953.41

Radius: 5000

*UTM location was derived from PLSS - see Help

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.



New Mexico Office of the State Engineer Active & Inactive Points of Diversion

(R-POD has been replaced

(with Ownership Information)

| | | | | | - | his file, (quarters are 1=N | | | | |
|----------------|--------------------|--|------------------------|-------------|-----------------------|-----------------------------|--------------------|--------|----------------|----------|
| | `` | ft per annum) | | | C=the file is closed) | (quarters are sma | allest to largest) | (NAD83 | UTM in meters) | |
| WR File Nbr | Sub basin Use D | iversion Owner | County POD Number | Well Tag | Code Grant | qqq Source 64164 Sec | Tws Rng | х | Y | Distance |
| L 05762 | L SRO | 0 THOMAS F. WELCH & ASSOCIATES | LE <u>L 05762 X</u> | | | 2 2 2 2 25 | | 639971 | 3621795* 🌍 | 229 |
| L 07300 | L PRO | 0 AMOCO PRODUCTION COMPANY | LE <u>L 12926 POD1</u> | | | Shallow 2 2 3 25 | 18S 34E | 639839 | 3621631 🤤 | 323 |
| <u>L 12926</u> | L STK | 3 NEW MEXICO STATE LAND OFFICE | LE <u>L 12926 POD1</u> | | | Shallow 2 2 3 25 | 18S 34E | 639839 | 3621631 🌍 | 323 |
| L 05762 | L SRO | 0 THOMAS F. WELCH & ASSOCIATES | LE <u>L 05762</u> | | | 2 2 1 25 | 18S 34E | 639168 | 3621781* 🌍 | 660 |
| L 03888 | L STK | 3 SCHARBAUER CATTLE CO | LE <u>L 03888</u> | | | Shallow 3 1 19 | 18S 35E | 640253 | 3622912* 🤤 | 1057 |
| L 07928 | L STK | 0 ENERGY RESERVES GROUP,INC. | LE <u>L 07928</u> | | | 4 4 1 19 | 18S 35E | 640638 | 3622915 🤤 | 1272 |
| L 02052 | L UTL | 1906 SOUTHWESTERN PUBLIC SERVICE CO | LE <u>L 02751</u> | | | 19 | 18S 35E | 640870 | 3622709* 🌍 | 1305 |
| L 02751 | L IND | 0 SOUTHWESTERN PUBLIC SERVICE CO | LE <u>L 02751</u> | | | 19 | 18S 35E | 640870 | 3622709* 🌍 | 1305 |
| L 03721 | L PRO | 0 FRED POOL DRILLING COMPANY | LE <u>L 03721</u> | | | Shallow 3 3 18 | 18S 35E | 640241 | 3623717* 🤤 | 1816 |
| L 09767 | L PRO | 0 MANZANO OIL | LE <u>L 09767</u> | | | Shallow 3 3 13 | 18S 34E | 638636 | 3623688* 🤤 | 2091 |
| L 04562 | L PRO | 0 CARPER DRILLING CO | LE <u>L 04562</u> | | | Shallow 3 1 29 | 18S 35E | 641874 | 3621315* 🌍 | 2164 |
| L 02052 | L UTL | 1906 SOUTHWESTERN PUBLIC SERVICE CO | LE <u>L 02751 S</u> | | | 18 | 18S 35E | 640844 | 3624320* 🤤 | 2584 |
| L 02751 | L IND | 0 SOUTHWESTERN PUBLIC SERVICE CO | LE <u>L 02751 S</u> | | | 18 | 18S 35E | 640844 | 3624320* 🌍 | 2584 |
| <u>L 03171</u> | L PRO | 0 SABRE DRILLING COMPANY | LE <u>L 03171</u> | | | Shallow 3 3 17 | 18S 35E | 641835 | 3623734* 🌍 | 2699 |
| L 02052 | L UTL | 1906 SOUTHWESTERN PUBLIC SERVICE CO | LE <u>L 02053</u> | | | Shallow 20 | 18S 35E | 642464 | 3622723* 🌍 | 2767 |
| L 02053 | L IND | 0 SOUTHWESTERN PUBLIC SERVICE CO | LE <u>L 02053</u> | | | Shallow 20 | 18S 35E | 642464 | 3622723* 🌍 | 2767 |
| L 00285 A | L COM | 80 VALLEY BANK OF COMMERCE | LE <u>L 14312 POD1</u> | NA | | 2 2 27 | 18S 34E | 636843 | 3621754 🌍 | 2968 |
| L 00442 AA | L COM | 40 BUCKEYE WATER, LLC | LE <u>L 14312 POD1</u> | NA | | 2 2 27 | 18S 34E | 636843 | 3621754 🌍 | 2968 |

*UTM location was derived from PLSS - see Help

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L 00443 C

L 00498 AA

L 14312

L 14651

L 00285

L 00285 A

L 00442 AA

L 00443 C

L 00498 AA

L 02499

L 03765

L 13665

L 14313

L 02357

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L 13351

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| and no longer serves this file, | (quarters are 1=NW 2=NE 3=SW 4=SE) |
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| D: 5/6/2 | 2020 9: | 53:54 AM | | | | | | | | | | | Pag |
|----------|---------|------------------------------|--------|--------------|------|--|-------|-----------|-------|-----|----------|--------|---------------|
| | | | | | | (R=POD has been replaced | (| rtara ara | 4 NI | NON | | | |
| | (acre | eft per annum) | | | | and no longer serves this file, C=the file is closed) | · · | | | | largest) | , | TM in meters) |
| Sub | , | • • | | | Well | | (900 | qqq | onnai | | iaigeet) | , | , |
| basin | Use D | liversion Owner | County | POD Number | Тад | Code Grant So | urce | 6416 4 | Sec | Tws | Rng | Х | Y |
| L | СОМ | 249.4 BUCKEYE WATER, LLC | LE | L 14312 POD1 | NA | | | 22 | 27 | 18S | 34E | 636843 | 3621754 🌍 |
| L | СОМ | 75.6 VALLEY BANK OF COMMERCE | LE | L 14312 POD1 | NA | | | 22 | 27 | 18S | 34E | 636843 | 3621754 🌍 |
| L | EXP | 0 PEARCE TRUST | LE | L 14312 POD1 | NA | | | 22 | 27 | 18S | 34E | 636843 | 3621754 🌍 |
| L | EXP | 0 PEARCE TRUST | LE | L 14651 POD2 | NA | | | 442 | 27 | 18S | 34E | 636823 | 3621101 🌍 |
| L | IRR | 120 DARR ANGELL LIVING TRUST | LE | L 13665 POD1 | | Sh | allow | 222 | 27 | 18S | 34E | 636707 | 3621754 🌍 |
| L | СОМ | 80 BUCKEYE WATER, LLC | LE | L 13665 POD1 | | Sh | allow | 222 | 27 | 18S | 34E | 636707 | 3621754 🌍 |
| L | СОМ | 40 BUCKEYE WATER, LLC | LE | L 13665 POD1 | | Sh | allow | 222 | 27 | 18S | 34E | 636707 | 3621754 🌍 |
| L | СОМ | 249.4 BUCKEYE WATER, LLC | LE | L 13665 POD1 | | Sh | allow | 222 | 27 | 18S | 34E | 636707 | 3621754 🌍 |
| L | СОМ | 75.6 VALLEY BANK OF COMMERCE | LE | L 13665 POD1 | | Sh | allow | 222 | 27 | 18S | 34E | 636707 | 3621754 🌍 |
| L | IRR | 109.2 PEARCE TRUST | LE | L 13665 POD1 | | Sh | allow | 222 | 27 | 18S | 34E | 636707 | 3621754 🌍 |
| L | СОМ | 514.17 ANNIE M. GRAHAM | LE | L 13665 POD1 | | Sh | allow | 222 | 27 | 18S | 34E | 636707 | 3621754 🌍 |
| | | | | | | | | | | | | | |

NA

| 0 SOUTHWESTERN PUBLIC SERVICE CO | LE <u>L 13341 POD1</u> |
|-------------------------------------|------------------------|
| 0 MACK ENERGY | LE <u>L 13341 POD1</u> |
| 0 MACK ENERGY | LE <u>L 13341 POD1</u> |
| 0 MACK ENERGY | LE <u>L 13341 POD1</u> |

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LE L 14313 POD1

L 02357

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| L 13352 | L | PRO | 0 MACK ENERGY |
|---------|---|-----|--|
| L 02052 | L | UTL | 1906 SOUTHWESTERN PUBLIC SERVICE CO |
| L 02357 | L | СОМ | 0 SOUTHWESTERN PUBLIC SERVICE CO |
| L 13378 | L | PRO | 0 DEVON ENERGY |
| L 13379 | L | PRO | 0 DEVON ENERGY |
| L 13381 | L | PRO | 0 DEVON ENERGY |

| | 4 | 12 | 20 |) 18 | ß | 35E | 64276 | 5 | 3623 | 148 |
|---------|---|----|------|------|---|-----|-------|---|-------|-----|
| | 4 | 12 | 2 20 |) 18 | ß | 35E | 64276 | 5 | 3623 | 148 |
| | 4 | 12 | 20 |) 18 | ß | 35E | 64276 | 5 | 3623 | 148 |
| | 4 | 12 | 20 |) 18 | ß | 35E | 64276 | 5 | 3623 | 148 |
| Shallow | | 2 | 20 |) 18 | ß | 35E | 64285 | 5 | 36231 | 37* |
| Shallow | | 2 | 20 |) 18 | S | 35E | 64285 | 5 | 36231 | 37* |
| Shallow | | 2 | 20 |) 18 | ß | 35E | 64285 | 5 | 36231 | 37* |
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*UTM location was derived from PLSS - see Help

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3623137*

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(R=POD has been replaced

and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)

| C=the file is closed) | (quarters are smallest to largest) | (NAD83 UTM in meters) |
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| | (acre | e ft per annum) | | C=the file is closed) | (quarters are smallest to largest) | |
|---------------------------|----------------|--|---|-----------------------|--|--|
| | Sub | | | Well | qqq | |
| WR File Nbr | basin Use D | Diversion Owner | County POD Number | Tag Code Grant | Source 6416 4 Sec Tws Rng | X Y Distance |
| L 09576 | L PRO | 0 MESA PETROLEUM | LE <u>L 09576</u> | | Shallow 1 1 35 18S 34E | 637082 3620041* 😑 3327 |
| L 09775 | L PRO | 0 SOUTHLAND ROYALTY | LE <u>L 09775</u> | | Shallow 1 2 3 14 18S 34E | 637248 3624084 🥘 3328 |
| L 13028 | L STK | 3 NEW MEXICO STATE LAND OFFICE | LE <u>L 09775</u> | | Shallow 1 2 3 14 18S 34E | 637248 3624084 🌍 3328 |
| L 00285 | L IRR | 120 DARR ANGELL LIVING TRUST | LE <u>L 03765 POD4</u> | NON | Shallow 2 1 2 27 18S 34E | 636475 3621831 😑 3332 |
| L 00285 A | L COM | 80 BUCKEYE WATER, LLC | LE <u>L 03765 POD4</u> | NON | Shallow 2 1 2 27 18S 34E | 636475 3621831 😑 3332 |
| L 00442 AA | L COM | 40 BUCKEYE WATER, LLC | LE <u>L 03765 POD4</u> | NON | Shallow 2 1 2 27 18S 34E | 636475 3621831 🔮 3332 |
| <u>L 00443 C</u> | L COM | 249.4 VALLEY BANK OF COMMERCE | LE <u>L 03765 POD4</u> | NON | Shallow 2 1 2 27 18S 34E | 636475 3621831 😜 3332 |
| L 00498 AA | L COM | 75.6 BUCKEYE WATER, LLC | LE <u>L 03765 POD4</u> | NON | Shallow 2 1 2 27 18S 34E | 636475 3621831 🥶 3332 |
| L 03765 | L COM | 514.17 ANNIE M. GRAHAM | LE <u>L 03765 POD4</u> | NON | Shallow 2 1 2 27 18S 34E | 636475 3621831 9 3332 |
| L 03765 A | L COM | 12 FARM CREDIT OF N.M., FLCA | LE <u>L 03765 POD4</u> | NON | Shallow 2 1 2 27 18S 34E | 636475 3621831 3 332 |
| L 13566 | L EXP | 0 PEARCE TRUST | LE <u>L 03765 POD4</u> | NON | Shallow 2 1 2 27 18S 34E | 636475 3621831 9 3332 |
| L 05172 | L PRO | 0 ROWAN DRILLING COMPANY | LE <u>L 05172</u> | NON | Shallow 3 3 07 18S 35E | 640214 3625331* 3 402 |
| <u>L 12633</u> L 12641 | L PRO L PRO | 0 AMTEX ENERGY INC. 0 NOVA MUD | LE <u>L 12633 POD1</u> LE L 12633 POD1 | NON | Shallow 2 2 2 34 18S 34E Shallow 2 2 2 34 18S 34E | 636851 3620203 3 432 636851 3620203 3 432 |
| | | | | | | |
| L 12642 | L PRO | 0 GLENN'S WATER WELL SERVICE | LE <u>L 12633 POD1</u> | NON | Shallow 2 2 2 34 18S 34E | 636851 3620203 9 3432 |
| L 13375 | L PRO | 0 AMTEX ENERGY | LE <u>L 12633 POD1</u> | NON | Shallow 2 2 2 34 18S 34E | 636851 3620203 9 3432 |
| L 13664 | L PRO | 0 AMTEX ENERGY | LE <u>L 12633 POD1</u> | NON | Shallow 2 2 2 34 18S 34E | 636851 3620203 9 3432 |
| L 04531 | L PRO | 0 CACTUS DRILLING CORPORATION | LE <u>L 04531</u> | | Shallow 1 3 14 18S 34E | 637016 3624067* 🤤 3499 |
| L 05156 | L PRO | 0 LOWE DRILLING COMPANY INC | | | Shallow 4 1 17 18S 35E | 642224 3624545* 😜 3544 |
| L 02052 | L UTL | 1906 SOUTHWESTERN PUBLIC SERVICE CO | LE <u>L 02052</u> | | Shallow 17 18S 35E | 642438 3624337* 😜 3551 |
| L 02357 | L COM | 0 SOUTHWESTERN PUBLIC SERVICE CO | LE <u>L 09742</u> | | Shallow 1 4 17 18S 35E | 642474 3624312 🤭 3561 |
| L 09742 | L PRO | 3 LEE CATTLE COMPANY | LE <u>L 09742</u> | | Shallow 1 4 17 18S 35E | 642474 3624312 🌍 3561 |

*UTM location was derived from PLSS - see Help

and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)

| | (acre ft | per annum) | | C=the file is closed | d) (quarters are smallest to largest) | |
|------------------------|------------------------|--|------------------------|----------------------|---|--|
| | Sub | ÷ | | Well | 999 | Y Y DY |
| WR File Nbr L 13190 | basin Use Div L PRO | 0 MANZANO, LLC | LE L 09742 | Tag Code Grant | Source 6416 4 Sec Tws Rng Shallow 1 4 17 18S 35E | X Y Distance 642474 3624312 3561 |
| <u>L 13190</u> | L FRO | U MANZANO, LEC | LE <u>L 09742</u> | | Shallow 1 4 17 163 33E | 042474 3024312 5301 |
| L 13227 | L PRO | 0 COG OPERATING | LE <u>L 09742</u> | | Shallow 1 4 17 18S 35E | 642474 3624312 🌍 3561 |
| <u>L 13315</u> | L PRO | 0 COG OPERATING | LE <u>L 09742</u> | | Shallow 1 4 17 18S 35E | 642474 3624312 🔵 3561 |
| L 13316 | L PRO | 0 COG OPERATING | LE <u>L 09742</u> | | Shallow 1 4 17 18S 35E | 642474 3624312 🌍 3561 |
| L 13317 | L PRO | 0 COG OPERATING | LE <u>L 09742</u> | | Shallow 1 4 17 18S 35E | 642474 3624312 🌍 3561 |
| L 04906 | L PRO | 0 LLANO DRILLING COMPANY | LE <u>L 04906</u> | | Shallow 3 07 18S 35E | 640415 3625532* 🌍 3630 |
| L 05574 | L SRO | 5 TEXACO INC. | LE <u>L 05574</u> | R | Shallow 1 3 3 12 18S 34E | 638509 3625399* 🌍 3681 |
| <u>L 01613</u> | L IND | 0 NATIONAL POTASH COMPANY | LE <u>L 01614</u> | | Shallow 3 1 4 12 18S 34E | 639305 3625618* 🌍 3698 |
| L 01613 A | L IND | 0 NATIONAL POTASH COMPANY | LE <u>L 01614</u> | | Shallow 3 1 4 12 18S 34E | 639305 3625618* 🌍 3698 |
| L 01613 B | L COM | 0 NATIONAL POSTASH COMPANY | LE <u>L 01614</u> | | Shallow 3 1 4 12 18S 34E | 639305 3625618* 🌍 3698 |
| <u>L 01614</u> | L IND | 0 FREEPORT SULPHUR CO. | LE <u>L 01614</u> | | Shallow 3 1 4 12 18S 34E | 639305 3625618* 🌍 3698 |
| L 02675 | L IND | 8330 INTREPID MINING NM LLC | LE <u>L 01614</u> | | Shallow 3 1 4 12 18S 34E | 639305 3625618* 🌍 3698 |
| L 05763 | L SRO | 0 THOMAS F. WELCH & ASSOCIATES | LE <u>L 05763</u> | | 2 2 2 02 19S 34E | 638414 3618509* 🌍 3714 |
| <u>L 11934</u> | L STK | 3 WILBERTA TIVIS | LE <u>L 11934 POD1</u> | | Shallow 3 3 4 35 18S 34E | 637806 3618744* 🌍 3781 |
| L 04931 | L SRO | 486 MOBIL PRODUCING TX. & N.M. INC | LE <u>L 04931 X</u> | | Shallow 1 3 07 18S 35E | 640208 3625735* 🌍 3802 |
| L 02347 | L IND | 0 NATIONAL POTASH COMPANY | LE <u>L 02349</u> | R | Shallow 3 1 4 07 18S 35E | 640891 3625641* 🌍 3844 |
| L 04794 | L PRO | 0 MARCUM DRILLING CO | LE <u>L 04794</u> | | Shallow 4 07 18S 35E | 641200 3625540* 🌍 3848 |
| <u>L 02347</u> | L IND | 0 NATIONAL POTASH COMPANY | LE <u>L 02349 POD2</u> | | Shallow 4 1 4 07 18S 35E | 641091 3625641* 🌍 3905 |
| L 02349 | L IND | 0 FREEPORT SULPHUR COMPANY | LE <u>L 02349 POD2</u> | | Shallow 4 1 4 07 18S 35E | 641091 3625641* 🌍 3905 |
| L 02675 | L IND | 8330 U.S. BANK NATIONAL ASSOCIATION | LE <u>L 02349 POD2</u> | | Shallow 4 1 4 07 18S 35E | 641091 3625641* 🌍 3905 |
| | | | LE <u>L 02349 POD3</u> | | Shallow 4 1 4 07 18S 35E | 641091 3625641 🌍 3905 |
| L 05079 | L PRO | 0 YATES DRILLING | LE <u>L 05079</u> | | Shallow 1 3 12 18S 34E | 638604 3625702* 🌍 3936 |
| | | | | | | |

*UTM location was derived from PLSS - see Help

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|----------------------|----------|---------|--|--------|--------------|------|---|------------|------------|--------------------------------------|--------|----------------|--------------|
| | | (acre | e ft per annum) | | | | and no longer serves C=the file is closed) | | | =NW 2=NE 3=SW nallest to largest) | | UTM in meters) | |
| | Sub | ` | | | | Well | | 、 • | q q | nanoot to largoot, | (| , | |
| WR File Nbr | basiı | n Use 🛛 | Diversion Owner | County | POD Number | Тад | Code Grant | Source 641 | 64 S | ec Tws Rng | Х | Y | Distance |
| L 05444 | L | STK | 3 GENE DALMONT | LE | L 05444 | | | Shallow | 433 | 2 18S 35E | 642319 | 3618899* 🌍 | 3955 |
| <u>L 04975</u> | L | PRO | 0 HUMBLE OIL & REFINING COMPANY | LE | L 04975 | | | Shallow 2 | 230 | 7 18S 35E | 640688 | 3625837* 🌍 | 3982 |
| L 14651 | L | EXP | 0 PEARCE TRUST | LE | L 14651 POD1 | NA | | 4 | 412 | 7 18S 34E | 635855 | 3621082 🌍 | 4044 |
| <u>L 04844</u> | L | PRO | 0 HUMBLE OIL & REFINING COMPANY | LE | L 04844 | | | 3 | 421 | 2 18S 34E | 639700 | 3626029* 🌍 | 4076 |
| L 05763 | L | SRO | 0 THOMAS F. WELCH & ASSOCIATES | LE | L 05763 X | | | 2 | 210 | 2 19S 34E | 637609 | 3618496* 🌍 | 4096 |
| L 00493 | L | IRR | 100.275 TIMOTHY J. CARLIN | LE | L 00493 | NA | | Shallow 1 | 210 | 5 19S 35E | 642290 | 3618663 🌍 | 4123 |
| L 00493 A | L | CON | 0 WYLIE BROTHERS CONSTRUCTION CO | LE | L 00493 | NA | | Shallow 1 | 210 | 5 19S 35E | 642290 | 3618663 🌍 | 4123 |
| L 13327 | L | PRO | 0 FOREST OIL CORPORATION | LE | L 00493 | NA | | Shallow 1 | 210 | 5 19S 35E | 642290 | 3618663 🌍 | 4123 |
| L 13658 | L | PRO | 0 COG OPERATING | LE | L 00493 | NA | | Shallow 1 | 210 | 5 19S 35E | 642290 | 3618663 🌍 | 4123 |
| L 13659 | L | PRO | 0 COG OPERATING | LE | L 00493 | NA | | Shallow 1 | 210 | 5 19S 35E | 642290 | 3618663 🌍 | 4123 |
| L 13660 | L | PRO | 0 COG OPERATING | LE | L 00493 | NA | | Shallow 1 | 210 | 5 19S 35E | 642290 | 3618663 🌍 | 4123 |
| L 14406 | L | PRO | 0 XTO HOLDINGS LLC | LE | L 00493 | NA | | Shallow 1 | 210 | 5 19S 35E | 642290 | 3618663 🌍 | 4123 |
| L 14407 | L | PRO | 0 XTO HOLDINGS LLC | LE | L 00493 | NA | | Shallow 1 | 210 | 5 19S 35E | 642290 | 3618663 🌍 | 4123 |
| L 14408 | L | PRO | 0 XTO HOLDINGS LLC | LE | L 00493 | NA | | Shallow 1 | 210 | 5 19S 35E | 642290 | 3618663 🌍 | 4123 |
| L 04851 | L | PRO | 0 HUMBLE OIL & REFINING COMPANY | LE | L 04851 | | | Shallow | 421 | 2 18S 34E | 639801 | 3626130* 🌍 | 4176 |
| L 01613 | L | IND | 0 NATIONAL POTASH COMPANY | LE | L 01613 | | | Shallow 3 | 141 | 1 18S 34E | 637696 | 3625589* 🌍 | 4203 |
| L 01613 A | L | IND | 0 NATIONAL POTASH COMPANY | LE | L 01613 | | | Shallow 3 | 141 | 1 18S 34E | 637696 | 3625589* 🌍 | 4203 |
| L 01613 B | L | СОМ | 0 NATIONAL POSTASH COMPANY | LE | L 01613 | | | Shallow 3 | 141 | 1 18S 34E | 637696 | 3625589* 🌍 | 4203 |
| L 02675 | L | IND | 8330 U.S. BANK NATIONAL ASSOCIATION | LE | L 01613 | | | Shallow 3 | 141 | 1 18S 34E | 637696 | 3625589* 🌍 | 4203 |
| L 04931 | L | SRO | 486 MOBIL PRODUCING TX. & N.M. INC | LE | L 04931 POD1 | | R | | 310 | 7 18S 35E | 640202 | 3626138* 🌍 | 4203 |
| L 00285 | L | IRR | 120 DARR ANGELL LIVING TRUST | LE | L 13129 POD1 | | | Shallow 2 | 112 | 7 18S 34E | 635574 | 3621843 🌍 | 4232 |
| L 00285 A | L | СОМ | 80 BUCKEYE WATER, LLC | LE | L 13129 POD1 | | | Shallow 2 | 112 | 7 18S 34E | 635574 | 3621843 🌍 | 4232 |

(R=POD has been replaced

and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)

| C=the file is closed) (quarters are smallest to largest) (NAD83 UTM in meters) |
|--|
|--|

| | (acre | e ft per annum) | | C=the file is close | ed) (quarters are smallest to largest) | | UTM in meters) | |
|------------------|-----------------|--|------------------------|---------------------|--|--------|----------------|----------|
| | Sub | | | Well | 999 | v | | |
| WR File Nbr | | Diversion Owner | County POD Number | Tag Code Grant | Source 6416 4 Sec Tws Rng | Х | | Distance |
| L 00442 AA | L COM | 40 VALLEY BANK OF COMMERCE | LE <u>L 13129 POD1</u> | | Shallow 2 1 1 27 18S 34E | 635574 | 3621843 🌍 | 4232 |
| L 00443 C | L COM | 249.4 BUCKEYE WATER, LLC | LE <u>L 13129 POD1</u> | | Shallow 2 1 1 27 18S 34E | 635574 | 3621843 🌍 | 4232 |
| L 00498 AA | L COM | 75.6 BUCKEYE WATER, LLC | LE <u>L 13129 POD1</u> | | Shallow 2 1 1 27 18S 34E | 635574 | 3621843 🌍 | 4232 |
| L 02499 | L IRR | 109.2 PEARCE TRUST | LE <u>L 13129 POD1</u> | | Shallow 2 1 1 27 18S 34E | 635574 | 3621843 🌍 | 4232 |
| L 03765 | L COM | 514.17 FARM CREDIT OF N.M., FLCA | LE <u>L 13129 POD1</u> | | Shallow 2 1 1 27 18S 34E | 635574 | 3621843 🌍 | 4232 |
| L 13129 | L COM | 0 MACK ENERGY | LE <u>L 13129 POD1</u> | | Shallow 2 1 1 27 18S 34E | 635574 | 3621843 🌍 | 4232 |
| <u>L 13184</u> | L PRO | 0 DEVON ENERGY CO. | LE <u>L 13129 POD1</u> | | Shallow 2 1 1 27 18S 34E | 635574 | 3621843 🌍 | 4232 |
| <u>L 13185</u> | L PRO | 0 DEVON ENERGY CO. | LE <u>L 13129 POD1</u> | | Shallow 2 1 1 27 18S 34E | 635574 | 3621843 🌍 | 4232 |
| L 13254 | L PRO | 0 DEVON ENERGY CO | LE <u>L 13129 POD1</u> | | Shallow 2 1 1 27 18S 34E | 635574 | 3621843 🌍 | 4232 |
| L 13255 | L PRO | 0 DEVON ENERGY CO | LE <u>L 13129 POD1</u> | | Shallow 2 1 1 27 18S 34E | 635574 | 3621843 🌍 | 4232 |
| L 13256 | L PRO | 0 DEVON ENERGY CO | LE <u>L 13129 POD1</u> | | Shallow 2 1 1 27 18S 34E | 635574 | 3621843 🌍 | 4232 |
| L 04587 | L SRO | 0 JOHN H. TRIGG | LE <u>L 04587 X</u> | | 2 1 02 19S 34E | 637510 | 3618397* 🌍 | 4232 |
| L 04762 | L COM | 44.8 DALE RITTENHOUSE | LE <u>L 04762</u> | | Shallow 06 19S 35E | 640945 | 3617872* 🌍 | 4237 |
| L 02347 | L IND | 0 NATIONAL POTASH COMPANY | LE <u>L 02350</u> | | Shallow 4 1 3 08 18S 35E | 641897 | 3625650* 🔵 | 4247 |
| L 02350 | L IND | 0 FREEPORT SULPHUR COMPANY | LE <u>L 02350</u> | | Shallow 4 1 3 08 18S 35E | 641897 | 3625650* 🌍 | 4247 |
| L 02675 | L IND | 8330 U.S. BANK NATIONAL ASSOCIATION | LE <u>L 02350</u> | | Shallow 4 1 3 08 18S 35E | 641897 | 3625650* 🌍 | 4247 |
| <u>L 04211</u> | L DOM | 3 GENE DALMONT | LE <u>L 04211</u> | | Shallow 1 3 06 19S 35E | 640337 | 3617672* 🌍 | 4314 |
| L 04211 A | L COM | 0 WYLIE BROTHERS CONSTRUCTION CO | LE <u>L 04211</u> | | Shallow 1 3 06 19S 35E | 640337 | 3617672* 🌍 | 4314 |
| L 14397 | L PRO | 0 CAZA OPERATING LLC | LE <u>L 14397 POD1</u> | NA | 1 1 2 05 19S 35E | 642615 | 3618661 🌍 | 4328 |
| L 00189 A | L COM | 131.94 CODY C. HUDSON | LE <u>L 14371 POD1</u> | NA | Shallow 1 1 2 05 19S 35E | 642616 | 3618661 🌍 | 4328 |
| L 14200 | L COM | 0 WATER SPUR LLC | LE <u>L 14371 POD1</u> | NA | Shallow 1 1 2 05 19S 35E | 642616 | 3618661 🤤 | 4328 |
| L 14371 | L EXP | 0 WATER SPUR LLC | LE <u>L 14371 POD1</u> | NA | Shallow 1 1 2 05 19S 35E | 642616 | 3618661 🤤 | 4328 |
| *UTM location wa | as derived from | PLSS - see Help | | | | | | |

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Released to Imaging: 7/5/2022 4:31:40 PM

(R=POD has been replaced

| (IX=1 OD has been replaced | |
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| and no longer serves this file, | (quarters are 1=NW 2=NE 3=SW 4=SE) |
| | |

| | | (acre | e ft per annum) | | | | C=the file is close | , | | | , | UTM in meters) | |
|------------------|-------------|---------|--|-------|--------------|-------------|---------------------|--------|----------------|------------|--------------------|----------------|----------|
| WR File Nbr | Sub basi | | Diversion Owner | Count | y POD Number | Well Tag | Code Grant | Sourc | qqq 64164 S | ec Tws Rng | х | Y | Distance |
| L 14398 | L | PRO | 0 CAZA OPERATING LLC | | L 14371 POD1 | NA | Code Grant | | | 5 19S 35E | ^ 642616 | 3618661 🤮 | 4328 |
| L 01979 | L | IRR | 0 GENE DALMONT | LE | L 01979 | | | | 14 (| 1 19S 34E | 639532 | 3617625* 🥌 | 4337 |
| L 01613 | L | IND | 0 NATIONAL POTASH COMPANY | LE | L 01613 S2 | | | Shallo | w 233 | 1 18S 34E | 637095 | 3625374* 🌍 | 4364 |
| L 01613 A | L | IND | 0 NATIONAL POTASH COMPANY | LE | L 01613 S2 | | | Shallo | w 233 | 1 18S 34E | 637095 | 3625374* 🌍 | 4364 |
| L 01613 B | L | COM | 0 NATIONAL POSTASH COMPANY | LE | L 01613 S2 | | | Shallo | w 233 | 1 18S 34E | 637095 | 3625374* 🌍 | 4364 |
| L 02675 | L | IND | 8330 U.S. BANK NATIONAL ASSOCIATION | LE | L 01613 S2 | | | Shallo | w 233 ′ | 1 18S 34E | 637095 | 3625374* 🌍 | 4364 |
| L 09750 | L | PRO | 3 PEARCE RANCH | LE | L 09750 | | | Shallo | w 332 | 2 18S 34E | 635440 | 3622029* 🌍 | 4366 |
| L 04995 | L | PRO | 0 EASTLAND DRILLING COMPANY | ′ LE | L 04995 | | | Shallo | w 443 | 4 18S 34E | 636700 | 3618828* 🌍 | 4405 |
| L 04587 | L | SRO | 0 JOHN H. TRIGG | LE | L 04587 | | | | 11(| 2 19S 34E | 637107 | 3618390* 🌍 | 4469 |
| L 05220 | L | PRO | 0 FAYE L KLEIN | LE | L 05220 | | | Shallo | w 14 (| 6 19S 35E | 641131 | 3617681* 🌍 | 4473 |
| L 00285 | L | IRR | 120 DARR ANGELL LIVING TRUST | LE | L 13634 POD1 | | NON | Shallo | w 3312 | 7 18S 34E | 635351 | 3621122 🌍 | 4530 |
| L 00285 A | L | СОМ | 80 VALLEY BANK OF COMMERCE | LE | L 13634 POD1 | | NON | Shallo | w 3312 | 7 18S 34E | 635351 | 3621122 🌍 | 4530 |
| L 00442 AA | L | СОМ | 40 BUCKEYE WATER, LLC | LE | L 13634 POD1 | | NON | Shallo | w 3312 | 7 18S 34E | 635351 | 3621122 🌍 | 4530 |
| L 00443 C | L | СОМ | 249.4 BUCKEYE WATER, LLC | LE | L 13634 POD1 | | NON | Shallo | w 3312 | 7 18S 34E | 635351 | 3621122 🌍 | 4530 |
| L 00498 AA | L | СОМ | 75.6 VALLEY BANK OF COMMERCE | LE | L 13634 POD1 | | NON | Shallo | w 3312 | 7 18S 34E | 635351 | 3621122 🌍 | 4530 |
| L 02499 | L | IRR | 109.2 PEARCE TRUST | LE | L 13634 POD1 | | NON | Shallo | w 3312 | 7 18S 34E | 635351 | 3621122 🌍 | 4530 |
| L 03765 | L | СОМ | 514.17 LULA V. GRAHAM | LE | L 13634 POD1 | | NON | Shallo | w 3312 | 7 18S 34E | 635351 | 3621122 🌍 | 4530 |
| L 13634 | L | EXP | 0 PEARCE TRUST | LE | L 13634 POD1 | | NON | Shallo | w 3312 | 7 18S 34E | 635351 | 3621122 🌍 | 4530 |
| L 13989 | L | PUB | 0 PEARCE TRUST | LE | L 13634 POD1 | | NON | Shallo | w 3312 | 27 18S 34E | 635351 | 3621122 🌍 | 4530 |
| L 13990 | L | PUB | 0 PEARCE TRUST | LE | L 13634 POD1 | | NON | Shallo | w 3312 | 27 18S 34E | 635351 | 3621122 🌍 | 4530 |
| L 13991 | L | PUB | 0 PEARCE TRUST | LE | L 13634 POD1 | | NON | Shallo | w 3312 | 27 18S 34E | 635351 | 3621122 🌍 | 4530 |
| L 00285 | L | IRR | 120 DARR ANGELL LIVING TRUST | LE | L 02499 POD3 | | | Shallo | w 1112 | 27 18S 34E | 635251 | 3621814 🌍 | 4555 |
| *UTM location wa | as deriv | ed from | PLSS - see Help | | | | | | | | | | |

*UTM location was derived from PLSS - see Help

(R=POD has been replaced

| and no longer serves this file, (quart | ters are 1=NW 2=NE 3=SW 4=SE) |
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| | · | e ft per annum) | | | C=the file is closed) | (quarters are smallest to largest) | (NAD83 | UTM in meters) | |
|------------------|------------------|---|------------------------|-------------|-----------------------|------------------------------------|--------|----------------|----------|
| WR File Nbr | Sub basin Use | Diversion Owner | County POD Number | Well Tag | Code Grant | qqq Source 64164 Sec Tws Rng | х | Y | Distance |
| L 00285 A | L COM | 80 BUCKEYE WATER, LLC | LE <u>L 02499 POD3</u> | | | Shallow 1 1 1 27 18S 34E | 635251 | 3621814 🌍 | 4555 |
| L 00442 AA | L COM | 40 VALLEY BANK OF COMMERCE | LE <u>L 02499 POD3</u> | | | Shallow 1 1 1 27 18S 34E | 635251 | 3621814 🌍 | 4555 |
| L 00443 C | L COM | 249.4 VALLEY BANK OF COMMERCE | LE <u>L 02499 POD3</u> | | | Shallow 1 1 1 27 18S 34E | 635251 | 3621814 🌍 | 4555 |
| L 00498 AA | L COM | 75.6 VALLEY BANK OF COMMERCE | LE <u>L 02499 POD3</u> | | | Shallow 1 1 1 27 18S 34E | 635251 | 3621814 🌍 | 4555 |
| L 02499 | L IRR | 109.2 PEARCE TRUST | LE <u>L 02499 POD3</u> | | | Shallow 1 1 1 27 18S 34E | 635251 | 3621814 🌍 | 4555 |
| <u>L 00189 A</u> | L COM | 131.94 CODY C. HUDSON | LE <u>L 14200 POD1</u> | NA | NON | Shallow 2 2 2 05 19S 35E | 642952 | 3618657 🌍 | 4557 |
| L 00493 | L IRR | 100.275 SHAYNE KATHLEEN MALONEY CARLIN | LE <u>L 14200 POD1</u> | NA | NON | Shallow 2 2 2 05 19S 35E | 642952 | 3618657 🌍 | 4557 |
| L 14200 | L COM | 0 WATER SPUR LLC | LE <u>L 14200 POD1</u> | NA | NON | Shallow 2 2 2 05 19S 35E | 642952 | 3618657 🌍 | 4557 |
| <u>L 14400</u> | L PRO | 0 XTO HOLDINGS LLC | LE <u>L 14200 POD1</u> | NA | NON | Shallow 2 2 2 05 19S 35E | 642952 | 3618657 🌍 | 4557 |
| <u>L 14401</u> | L PRO | 0 XTO HOLDINGS LLC | LE <u>L 14200 POD1</u> | NA | NON | Shallow 2 2 2 05 19S 35E | 642952 | 3618657 🌍 | 4557 |
| L 14402 | L PRO | 0 XTO HOLDINGS LLC | LE <u>L 14200 POD1</u> | NA | NON | Shallow 2 2 2 05 19S 35E | 642952 | 3618657 🌍 | 4557 |
| L 10236 | L PRO | 0 HARVEY YATES | LE <u>L 10236</u> | | | 3 3 27 18S 34E | 635466 | 3620420* 🌍 | 4602 |
| L 10344 | L STK | 3 KENNETH SMITH | LE <u>L 10344</u> | | R | 3 3 27 18S 34E | 635466 | 3620420* 🌍 | 4602 |
| | | | LE <u>L 10344 POD2</u> | | | Shallow 3 3 27 18S 34E | 635466 | 3620420* 🌍 | 4602 |
| L 05139 | L PRO | 0 MARCUM DRILLING CO | LE <u>L 05139</u> | | | Shallow 2 1 12 18S 34E | 638992 | 3626517* 🌍 | 4635 |
| L 07361 | L STK | 3 SCHARBAUER CATTLE COMPANY | LE <u>L 07361</u> | | | Shallow 2 1 12 18S 34E | 638992 | 3626517* 🌍 | 4635 |
| L 09428 | L PRO | 3 DAL MONT RANCH JOINT VENTURE | LE <u>L 09428</u> | | | Shallow 3 4 1 05 19S 35E | 642231 | 3617997* 🌍 | 4640 |
| L 05851 | L PRO | 0 KERMAC POTASH COMPANY | LE <u>L 05851</u> | | | Shallow 1 34 18S 34E | 635681 | 3619816* 🌍 | 4645 |
| L 04778 | L PRO | 0 SHARP DRILLING COMPANY | LE <u>L 04778</u> | | | Shallow 2 1 07 18S 35E | 640575 | 3626545* 🌍 | 4655 |
| L 02675 | L IND | 8330 INTREPID MINING NM LLC | LE <u>L 02680</u> | | | Shallow 1 2 21 18S 35E | 644257 | 3623357* 🌍 | 4667 |
| L 02680 | L IND | 0 UNITED STATES POTASH COMPANY | LE <u>L 02680</u> | | | Shallow 1 2 21 18S 35E | 644257 | 3623357* 🤤 | 4667 |
| <u>L 12958</u> | L PRO | 0 GLENN'S WATER WELL SRVC, INC. | LE <u>L 12958 POD1</u> | | | Shallow 3 4 1 02 19S 34E | 637498 | 3617839 🌍 | 4716 |
| *UTM location wa | as derived from | PLSS - see Help | | | | | | | |

10/19/19 11:16 AM

(R=POD has been replaced

| and no longer serves this file, (qua | arters are 1=NW 2=NE 3=SW 4=SE) |
|--------------------------------------|---------------------------------|
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| | | ft per annum) | | | C=the file is closed) | (quarters are smallest to largest) | (NAD83 | | |
|-------------|---------------------|--|---|-------------|-----------------------|--|------------------|--------------------------|------------|
| WR File Nbr | Sub basin Use Di | version Owner | County POD Number | Well Tag | Code Grant | qqq Source 64164 Sec Tws Rng | х | Y | Distanc |
| 13017 | L PRO | 0 TD WATER SERVICES | LE L 12958 POD1 | | | Shallow 3 4 1 02 19S 34E | 637498 | 3617839 🌍 | 471 |
| 13287 | L PRO | 0 CIMAREX ENERGY COMPANY | LE <u>L 12958 POD1</u> | | | Shallow 3 4 1 02 19S 34E | 637498 | 3617839 🌍 | 471 |
| 13624 | L PRO | 0 COG OPERATING | LE <u>L 12958 POD1</u> | | | Shallow 3 4 1 02 19S 34E | 637498 | 3617839 🌍 | 471 |
| 13625 | L PRO | 0 COG OPERATING | LE <u>L 12958 POD1</u> | | | Shallow 3 4 1 02 19S 34E | 637498 | 3617839 🌍 | 471 |
| 13626 | L PRO | 0 COG OPERATING | LE <u>L 12958 POD1</u> | | | Shallow 3 4 1 02 19S 34E | 637498 | 3617839 🌍 | 4716 |
| 13963 | L PRO | 0 COG OPERATING | LE <u>L 12958 POD1</u> | | | Shallow 3 4 1 02 19S 34E | 637498 | 3617839 🌍 | 4716 |
| 13964 | L PRO | 0 COG OPERATING | LE <u>L 12958 POD1</u> | | | Shallow 3 4 1 02 19S 34E | 637498 | 3617839 🌍 | 4716 |
| 13965 | L PRO | 0 COG OPERATING | LE <u>L 12958 POD1</u> | | | Shallow 3 4 1 02 19S 34E | 637498 | 3617839 🌍 | 4716 |
| _ 04587 | L SRO | 0 JOHN H. TRIGG | LE <u>L 04587 X3</u> | | | 2 2 03 19S 34E | 636705 | 3618384* 🌍 | 472 |
| _ 09762 | L PRO | 0 MESA PETROLEUM | LE <u>L 09762</u> | | | Shallow 3 3 33 18S 35E | 643526 | 3618913* 🌍 | 480 |
| _ 00189 A | L COM | 131.94 LAURIE HUDSON | LE <u>L 14200 POD2</u> | NA | NON | Shallow 2 2 2 05 19S 35E | 643291 | 3618631 🌍 | 481 |
| _ 14200 | L COM | 0 WATER SPUR LLC | LE <u>L 14200 POD2</u> | NA | NON | Shallow 2 2 2 05 19S 35E | 643291 | 3618631 🌍 | 481 |
| 14216 | L PRO | 0 WATER SPUR LLC | LE <u>L 14200 POD2</u> | NA | NON | Shallow 2 2 2 05 19S 35E | 643291 | 3618631 🌍 | 481 |
| _ 14218 | L PRO | 0 WATER SPUR LLC | LE <u>L 14200 POD2</u> | NA | NON | Shallow 2 2 2 05 19S 35E | 643291 | 3618631 🌍 | 481 |
| _ 14219 | L PRO | 0 WATER SPUR LLC | LE <u>L 14200 POD2</u> | NA | NON | Shallow 2 2 2 05 19S 35E | 643291 | 3618631 🌍 | 481 |
| _ 14403 | L PRO | 0 XTO HOLDINGS LLC | LE <u>L 14200 POD2</u> | NA | NON | Shallow 2 2 2 05 19S 35E | 643291 | 3618631 🌍 | 481 |
| _ 14404 | L PRO | 0 XTO HOLDINGS LLC | LE <u>L 14200 POD2</u> | NA | NON | Shallow 2 2 2 05 19S 35E | 643291 | 3618631 🌍 | 481 |
| _ 14405 | L PRO | 0 XTO HOLDINGS LLC | LE <u>L 14200 POD2</u> | NA | NON | Shallow 2 2 2 05 19S 35E | 643291 | 3618631 🌍 | 481 |
| 09588 | L PRO | 0 W. C. BLANKS | LE <u>L 09588</u> | | | Shallow 4 3 4 16 18S 35E | 644349 | 3623659* 🌍 | 485 |
| _ 02675 | L IND | 8330 U.S. BANK NATIONAL ASSOCIATION | LE <u>L 02679</u> | | R | Shallow 4 4 21 18S 35E | | 3622151* | 487 |
| . 02679 | L IND | 0 UNITED STATES POTASH COMPANY | LE <u>L 02679 POD3</u> LE <u>L 02679</u> | | | 4 4 21 18S 35E Shallow 4 4 21 18S 35E | 644680 644680 | 3622151* 🌍 3622151* 🌍 | 487 487 |

| | | | | | | and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE) | | | | | | | | |
|-------------|-------|-------------|---------------------------------|--------|----------------|--|-----------------------|---------|-----------|--------|------------------|--------|----------------|----------|
| | | (acre ft pe | er annum) | | | | C=the file is closed) | (qua | rters are | e smal | lest to largest) | (NAD83 | UTM in meters) | |
| | Sub | | | | | Well | | | 9 9 9 | | | | | |
| WR File Nbr | basin | Use Diver | sion Owner | County | / POD Number | Tag | Code Grant | Source | 6416 4 | Sec | Tws Rng | Х | Y | Distance |
| L 04777 | L | PRO | 0 NOBLE DRILLIN CO | LE | <u>L 04777</u> | | | Shallow | 122 | 07 | 18S 35E | 641279 | 3626653* 🌍 | 4925 |
| L 08869 | L | PRO | 0 JOSEPH O'NEIL | LE | L 08869 | | | Shallow | 23 | 05 | 19S 35E | 642338 | 3617695* 🌍 | 4954 |
| L 04796 | L | PRO | 0 A W THOMPSON INC | LE | L 04796 | | | Shallow | 443 | 06 | 18S 35E | 640667 | 3626847* 🌍 | 4968 |
| L 10202 | L | PLS | 1.34 BOGLE FARM - 4 LAKES RANCH | LE | L 10202 | | | Shallow | 44 | 28 | 18S 34E | 635065 | 3620414* 🌍 | 4984 |
| | | | | | | | | | | | | | | |

Radius: 5000

(R=POD has been replaced

Record Count: 198

UTMNAD83 Radius Search (in meters):

Easting (X): 639805.41

: 639805.41

Northing (Y): 3621953.41

Sorted by: Distance

*UTM location was derived from PLSS - see Help

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.

10/19/19 11:16 AM

Received by OCD: 5/6/2020 9:53:54 AM U.S. Fish and Wildlife Service



Ironhouse 24 1H: 173 ft to Watercourse

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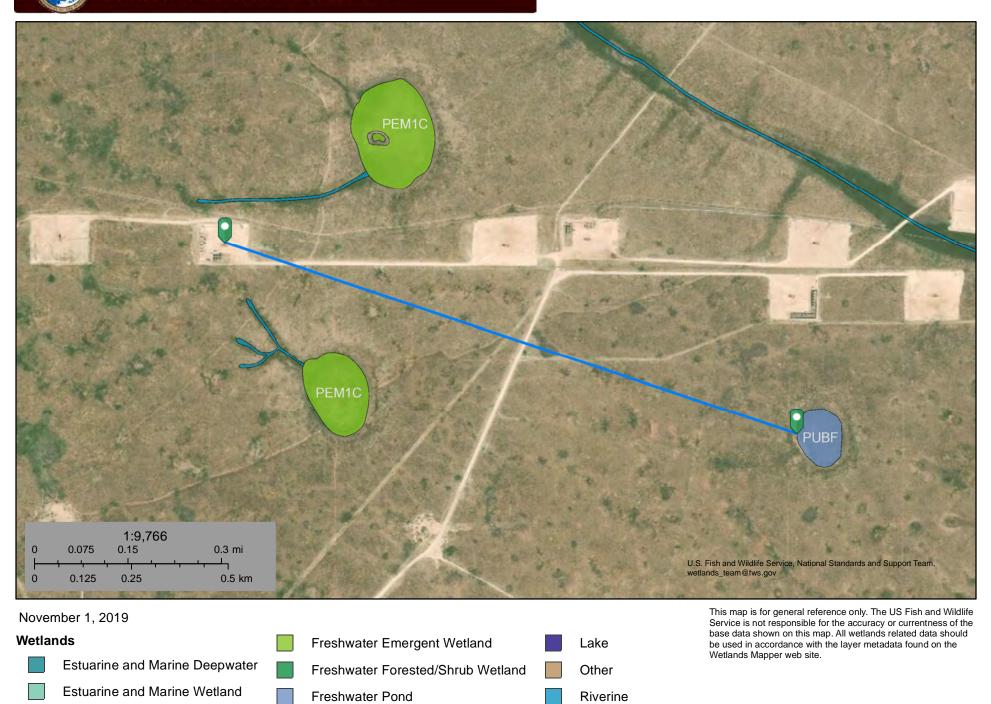
. Released to Imaging: 7/5/2022 4:31:40 PM

National Wetlands Inventory (NWI) This page was produced by the NWI mapper

Received by OCD: 5/6/2020 9:53:54 AM U.S. Fish and Wildlife Service

National Wetlands Inventory

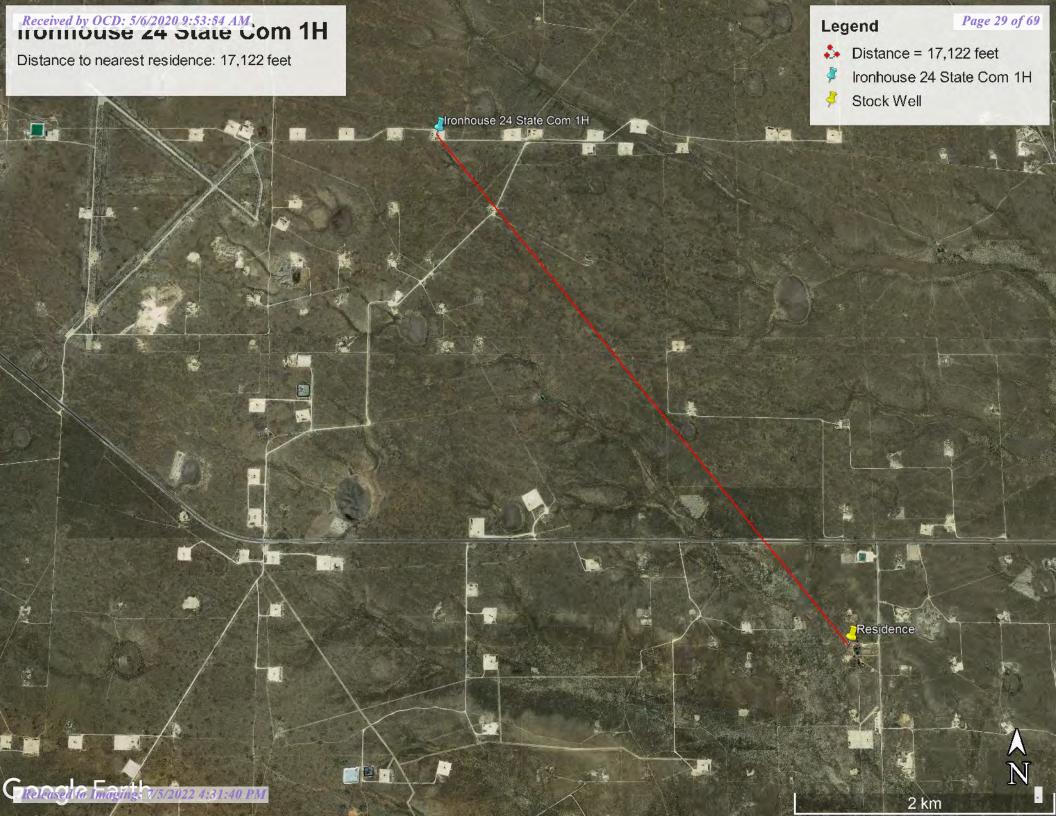
Ironhouse 24 1H - 4,299 ft to Pond



. Released to Imaging: 7/5/2022 4:31:40 PM

National Wetlands Inventory (NWI) This page was produced by the NWI mapper

Page 28 of 69





New Mexico Office of the State Engineer Wells with Well Log Information

| (A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.) | (R=POD has been replaced, O=orphaned, C=the file is closed) | | | | | -SW 4=SE | , | AD83 UTM in me | eters) | | | | (in fe | et) | |
|--|---|-----------|--------------|----|----------|----------|--------------------|----------------|----------|-----------------------|-------------|------------|--------|--------------------------------------|--------------|
| | POD | (- | | | | | , (| | , | | | | (| , | |
| | Sub- | | q q q | | T | D | v | Y | Distance | | | Log File | • | Depth | License |
| POD Number L 12926 POD1 | Code basin Cou | | 64164 223 | | | • | X 639839 | ¥ 3621631 🦲 | | Start Date 12/21/1974 | Finish Date | 01/06/1975 | 182 | Water Driller 117 ABBOTT, MURRELL | Number 46 |
| L 123201 0D1 | | | 225 | 20 | 100 | 34L | 039039 | 3021031 | 525 | 12/21/19/4 | 12/23/13/4 | 01/00/19/5 | 102 | TT ADDOTT, MORRELL | 40 |
| L 03888 | LL | E Shallow | / 31 | 19 | 18S | 35E | 640253 | 3622912* 🌍 | 1057 | 06/06/1958 | 06/06/1958 | 06/12/1958 | 107 | 70 | 99 |
| L 07928 | LL | E | 441 | 19 | 18S | 35E | 640639 | 3622915 🌍 | 1272 | | | 10/26/1978 | 175 | | 46 |
| L 03721 | LL | E Shallow | / 33 | 18 | 18S | 35E | 640241 | 3623717* 🌍 | 1816 | 10/28/1957 | 10/28/1957 | 11/06/1957 | 161 | 90 BURKE, EDWARD B. | 111 |
| L 09767 | LL | E Shallow | 33 | 13 | 18S | 34E | 638636 | 3623688* 🌍 | 2091 | 12/06/1985 | 12/06/1985 | 12/31/1985 | 182 | 96 GLENN, CLARK A."CORKY" (LD) | 421 |
| L 04562 | LL | E Shallow | / 31 | 29 | 18S | 35E | 641874 | 3621315* 🌍 | 2164 | 12/20/1960 | 12/21/1960 | 12/29/1960 | 156 | 95 | 111 |
| <u>L 03171</u> | LL | E Shallow | 33 | 17 | 18S | 35E | 641835 | 3623734* 🌍 | 2699 | 03/30/1956 | 03/30/1956 | 05/31/1956 | 170 | 150 ABBOTT, MURRELL | 46 |
| L 02053 | LL | E Shallow | 1 | 20 | 18S | 35E | 642464 | 3622723* 🌍 | 2767 | 01/27/1953 | 02/13/1953 | 02/24/1953 | 175 | 78 M.I. SIGNER | 17 |
| L 02357 | LL | E Shallow | 2 | 20 | 18S | 35E | 642855 | 3623137* 🌍 | 3271 | 11/02/1953 | 12/02/1953 | 12/17/1953 | 170 | 77 E. BARRON | 30 |
| L 09576 | LL | E Shallow | / 11 | 35 | 18S | 34E | 637082 | 3620041* 🌍 | 3327 | 10/24/1984 | 10/24/1984 | 10/29/1984 | 180 | 130 GLENN, CLARK A."CORKY" (LD) | 421 |
| L 09775 | LL | E Shallow | 123 | 14 | 18S | 34E | 637249 | 3624084 🌍 | 3328 | 12/30/1985 | 12/30/1985 | 01/08/1986 | 183 | 110 GLENN, CLARK A."CORKY" (LD) | 421 |
| L 03765 POD4 | LL | E Shallow | 212 | 27 | 18S | 34E | 636475 | 3621831 🌍 | 3332 | 04/14/2014 | 04/22/2014 | 07/02/2014 | 180 | 80 NORRIS, JOHN D. | 1682 |
| L 05172 | LL | E Shallow | 33 | 07 | 18S | 35E | 640214 | 3625331* 🌍 | 3402 | 06/06/1963 | 06/09/1963 | 06/20/1963 | 161 | 85 | 111 |
| L 12633 POD1 | LL | E Shallow | 222 | 34 | 18S | 34E | 636852 | 3620203 🌍 | 3432 | 12/10/2010 | 12/11/2010 | 12/17/2010 | 180 | 117 GLENN, TRAVIS (LD) | 421 |
| L 04531 | LL | E Shallow | 13 | 14 | 18S | 34E | 637016 | 3624067* 🌍 | 3499 | 09/22/1960 | 09/23/1960 | 10/24/1960 | 125 | 100 ERICKSON, W.R. | 298 |
| L 05156 | LL | E Shallow | 41 | 17 | 18S | 35E | 642224 | 3624545* 🔵 | 3544 | 05/20/1963 | 05/20/1963 | 05/29/1963 | 150 | 90 | 46 |

*UTM location was derived from PLSS - see Help

10/19/19 11:16 AM

| A CLW##### in the OD suffix indicates | 6/2020 9:53:54 A | М | | | | | Page 3 |
|--|-------------------------------|------------------------|-------------------------|-------------------------|------------------------------|-------------------------------|---------|
| he POD has been | been replaced, O=orphaned, | | | | | | |
| eplaced & no longer erves a water right | C=the file is | (quarters are 1=NW 2=I | , | | | | |
| le.) | closed) POD | (quarters are sm | nallest to largest) (NA | AD83 UTM in meters) | (in | feet) | |
| | Sub- | q q q | | | Log File Dept | n Depth | License |
| OD Number | | ty Source 6416 4 Sec | - | Y Distance Start D | | | Number |
| 02052 | L LE | Shallow 17 | 18S 35E 642438 | 3624337* 3551 02/17/1 | 953 03/05/1953 03/17/1953 19 | 0 72 A.M. BRININSTOOL | 17 |
| 04906 | L LE | Shallow 3 07 | 18S 35E 640415 | 3625532* 🧧 3630 05/11/1 | 962 05/12/1962 05/17/1962 15 | 5 87 BURKE, EDWARD B. | 111 |
| 01614 | L LE | Shallow 3 1 4 12 | 18S 34E 639305 | 3625618* 🌍 3698 03/01/1 | 955 03/03/1955 03/31/1955 20 | 4 85 MURRELL ABBOTT | 46 |
| 11934 POD1 | L LE | Shallow 3 3 4 35 | 18S 34E 637806 | 3618744* 🌍 3781 10/13/2 | 006 10/20/2006 10/24/2006 16 | 0 105 THOMPSON, STEVE (LD) | 1414 |
| 04931 X | L LE | Shallow 1 3 07 | 18S 35E 640208 | 3625735* 🥘 3802 10/05/1 | 964 10/07/1964 10/15/1964 21 | | 46 |
| 02349 | R L LE | Shallow 3 1 4 07 | 18S 35E 640891 | 3625641* 🌍 3844 03/21/1 | 955 03/23/1955 12/01/1960 20 | 7 85 MURRELL ABBOTT | 46 |
| 04794 | L LE | Shallow 4 07 | 18S 35E 641200 | 3625540* 🌍 3848 01/27/1 | 962 01/27/1962 02/01/1962 15 | 0 95 | 46 |
| 02349 POD2 | L LE | Shallow 4 1 4 07 | 18S 35E 641091 | 3625641* 🌍 3905 11/17/1 | 960 11/21/1960 12/01/1960 21 | 4 85 MURRELL ABBOTT JR. | . 46 |
| 02349 POD3 | L LE | Shallow 4 1 4 07 | 18S 35E 641091 | 3625641 🥘 3905 03/14/2 | 013 03/17/2013 09/19/2014 22 | 0 142 HAUSLADEN, JAMES M. | 368 |
| 05079 | L LE | Shallow 1 3 12 | 18S 34E 638604 | 3625702* 🥘 3936 03/15/1 | 963 03/16/1963 03/28/1963 15 | | 34 |
| 05444 | L LE | Shallow 4 3 32 | 18S 35E 642319 | 3618899* 🌍 3955 09/29/1 | 064 09/29/1964 10/02/1964 8 | 58 BURKE, EDWARD B. | 111 |
| 04975 | L LE | Shallow 2 2 3 07 | 18S 35E 640688 | 3625837* 🌍 3982 09/05/1 | 962 09/05/1962 09/17/1962 15 | 2 105 MURRELL ABBOTT | 46 |
| 04844 | L LE | 3 4 2 12 | 18S 34E 639700 | 3626029* 🌍 4076 | 04/19/1962 | | |
| 00493 | L LE | Shallow 1 2 1 05 | 19S 35E 642290 | 3618663 🌍 4123 | 06/30/1948 03/28/1949 10 | 0 HAM BISHOP | |
| 04851 | L LE | Shallow 4 2 12 | 18S 34E 639801 | 3626130* 🌍 4176 03/20/1 | 962 03/20/1962 03/29/1962 15 | 5 95 MURRELL ABBOTT | 46 |
| 01613 | L LE | Shallow 3 1 4 11 | 18S 34E 637696 | 3625589* 🛑 4203 03/15/1 | 955 03/16/1955 03/31/1955 21 | 1 85 MURRELL ABBOTT | 46 |
| 04762 | L LE | Shallow 06 | 19S 35E 640945 | 3617872* 🌍 4237 05/07/1 | 962 05/08/1962 05/11/1962 17 | 5 130 | 208 |
| 02350 | L LE | Shallow 4 1 3 08 | 18S 35E 641897 | 3625650* 🌍 4247 03/01/1 | 960 03/05/1960 03/17/1960 21 | 6 105 MURRELL ABBOTT | 46 |
| 04211 | L LE | Shallow 1 3 06 | 19S 35E 640337 | 3617672* 🌍 4314 07/25/1 | 959 07/26/1959 08/13/1959 13 | 0 60 | 99 |
| 14371 POD1 | L LE | Shallow 1 1 2 05 | 19S 35E 642616 | 3618661 🥘 4328 10/24/2 | 017 10/27/2017 10/31/2017 17 | 2 60 ROY TAYLOR | 172 |
| TM location was der | | a Llalu | | | | | |

10/19/19 11:16 AM

| (A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.) | (R=POD has been replaced, O=orphaned, C=the file is closed) | (q | | | | NE 3=SW 4=S | , | AD83 UTM in me | eters) | | (in | feet) | I uge J |
|--|---|-------|----------|-----|----|-------------|--------------------|-----------------|--|----------------------------------|-----------|---|--------------|
| POD Number | POD Sub- | | C | qqq | 6 | Ture Data | v | Y | Distance Start Data | Log | - | Depth | License |
| POD Number L 01613 S2 | Code basin Co | | | | | 18S 34E | X 637095 | т 3625374* 🦲 | Distance Start Date 4364 12/31/1968 | Finish Date Date 12/31/1968 04/1 | | I Water Driller 0 99 MURRELL ABBOTT | Number 46 |
| L 04995 | L | _E \$ | Shallow | 44 | 34 | 18S 34E | 636700 | 3618828* 🧧 | 4405 10/21/1962 | 10/21/1962 10/2 | 9/1962 17 | 9 105 MURRELL ABBOTT | 46 |
| L 05220 | L | _E \$ | Shallow | 14 | 06 | 19S 35E | 641131 | 3617681* 🌍 | 4473 08/01/1963 | 08/31/1963 08/2 | 6/1964 10 | 0 55 MUSSELWHITE, O.R. | 99 |
| L 13634 POD1 | L | _E S | Shallow | 331 | 27 | 18S 34E | 635352 | 3621122 🌍 | 4530 08/27/2014 | 08/28/2014 08/1 | 9/2015 18 | 2 152 NORRIS, JOHN D. | 1682 |
| L 02499 POD3 | L | _E \$ | Shallow | 111 | 27 | 18S 34E | 635252 | 3621814 🌍 | 4555 02/13/2014 | 02/21/2014 06/1 | 8/2014 18 | 0 121 JOHN NORRIS | 1682 |
| L 14200 POD1 | L | _E \$ | Shallow | 222 | 05 | 19S 35E | 642952 | 3618657 🌍 | 4557 10/03/2016 | 10/04/2016 10/0 | 5/2016 18 | 0 60 TAYLOR, ROY A. | 1626 |
| <u>L 10236</u> | L | E | | 33 | 27 | 18S 34E | 635466 | 3620420* 🌍 | 4602 02/20/1992 | 02/20/1992 02/2 | 6/1992 | GLENN, CLARK A."CORKY" (LD) | 421 |
| L 10344 POD2 | L | _E \$ | Shallow | 33 | 27 | 18S 34E | 635466 | 3620420* 🌍 | 4602 01/03/2000 | 01/10/2000 02/0 | 8/2000 14 | | 763 |
| <u>L 05139</u> | L | _E \$ | Shallow | 2 1 | 12 | 18S 34E | 638992 | 3626517* 🌍 | 4635 05/10/1963 | 05/10/1963 05/2 | 4/1963 15 | 0 95 | 46 |
| L 07361 | L | _E \$ | Shallow | 2 1 | 12 | 18S 34E | 638992 | 3626517* 🌍 | 4635 04/11/1975 | 04/13/1975 04/2 | 1/1975 20 | 2 100 MUSSELWHITE, O.R. | 99 |
| L 09428 | L | _E \$ | Shallow | 341 | 05 | 19S 35E | 642231 | 3617997* 🌍 | 4640 02/18/1984 | 02/18/1984 02/2 | 2/1984 13 | 0 GLENN, CLARK A."CORKY" (LD) | 421 |
| L 05851 | L | _E \$ | Shallow | 1 | 34 | 18S 34E | 635681 | 3619816* 🌍 | 4645 01/28/1966 | 01/28/1966 02/0 | 3/1966 24 | () | 46 |
| L 04778 | L | E S | Shallow | 2 1 | 07 | 18S 35E | 640575 | 3626545* 🌍 | 4655 12/18/1961 | 12/19/1961 03/2 | 8/1963 15 | 0 75 | 46 |
| L 02680 | L | _E \$ | Shallow | 12 | 21 | 18S 35E | 644257 | 3623357* 🌍 | 4667 01/16/1957 | 02/01/1957 02/1 | 3/1957 19 | 0 59 EMMETT BARRON | 30 |
| L 09762 | L | _E \$ | Shallow | 33 | 33 | 18S 35E | 643526 | 3618913* 🌍 | 4804 11/04/1985 | 11/04/1985 11/0 | 8/1985 16 | 0 80 GLENN, CLARK A."CORKY" (LD) | 421 |
| L 14200 POD2 | L | _E \$ | Shallow | 222 | 05 | 19S 35E | 643291 | 3618631 🌍 | 4815 09/29/2016 | 09/30/2016 10/0 | 5/2016 18 | () | 1626 |
| L 09588 | L | _E \$ | Shallow | 434 | 16 | 18S 35E | 644349 | 3623659* 🌍 | 4853 11/27/1984 | 11/28/1984 12/0 | 5/1984 15 | 5 84 ABBOTT, MURRELL | 46 |
| L 02679 | L | _E \$ | Shallow | 44 | 21 | 18S 35E | 644680 | 3622151* 🌍 | 4878 02/07/1957 | 11/15/1976 03/0 | 4/1957 20 | 0 68 EMMETT BARRON | 30 |
| L 02679 | R L | _E \$ | Shallow | 44 | 21 | 18S 35E | 644680 | 3622151* 🌍 | 4878 02/07/1957 | 11/15/1976 03/0 | 4/1957 20 | 0 68 EMMETT BARRON | 30 |
| L 04777 | L | E S | Shallow | 122 | 07 | 18S 35E | 641279 | 3626653* 🌍 | 4925 12/22/1961 | 12/23/1961 01/1 | 6/1962 14 | 5 85 | 99 |

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| Received by OCD: 5/ | 6/2020 9:53:54 AN | М | | | | | | | | | | | I | Page 33 of 69 |
|--|---|-----------|----------|--|---------|------------|------------|--------------|-------------|------------|-------------|--------------|-------|---------------|
| (A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.) | (R=POD has been replaced, O=orphaned, C=the file is closed) | · · | | 2=NE 3=S ¹ e smallest to | , | (NAD83 UTM | in meters) | | | | (in fe | et) | | |
| | POD | | | | | | | | | | D (1 | | | |
| | Sub- | | q q q | | | | | | | Log File | Depth | - | Lice | nse |
| POD Number | Code basin Count | ty Source | 6416 4 S | Sec Tws R | ng | X Y | / Distance | e Start Date | Finish Date | e Date | Well | Water Drille | r Num | nber |
| <u>L 04796</u> | L LE | Shallow | 443 (| 06 18S 3 | 5E 6406 | 67 3626847 | * 🌍 🛛 496 | 3 01/25/1962 | 01/25/1962 | 01/29/1962 | 150 | 95 | 4 | 6 |
| Record Count: 57 | | | | | | | | | | | | | | |
| UTMNAD83 Rac | lius Search (in me | eters): | | | | | | | | | | | | |
| Easting (X): | 639805.41 | 1 | Northing | (Y): 362 ⁻ | 1953.41 | | Radius: 50 | 00 | | | | | | |

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.

10/19/19 11:16 AM

Received by OCD: 5/6/2020 9:53:54 AM, Ironnouse 24 State Com 1H

Distance to nearest domestic well: 1,060 feet

 Legend
 Page 34 of 69

 Ibistance = 1,060 feet

 Ironhouse 24 State Com 1H

 Stock Well



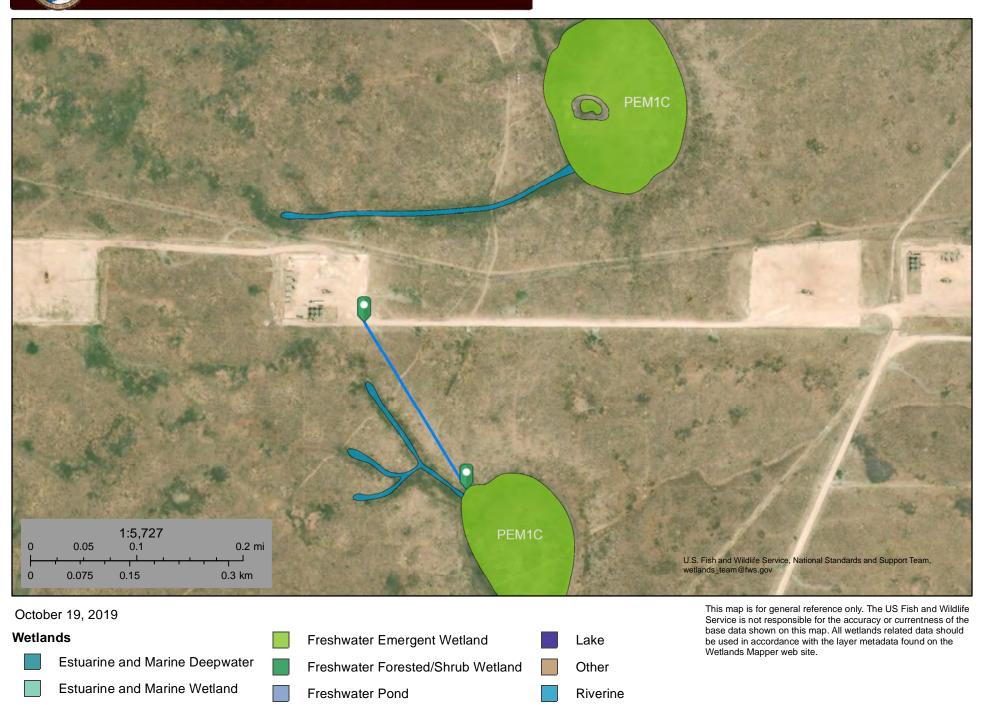


GREEKEN & Magnie 77/5/2022 4.31:40 PM

Received by OCD: 5/6/2020 9:53:54 AM U.S. Fish and Wildlife Service

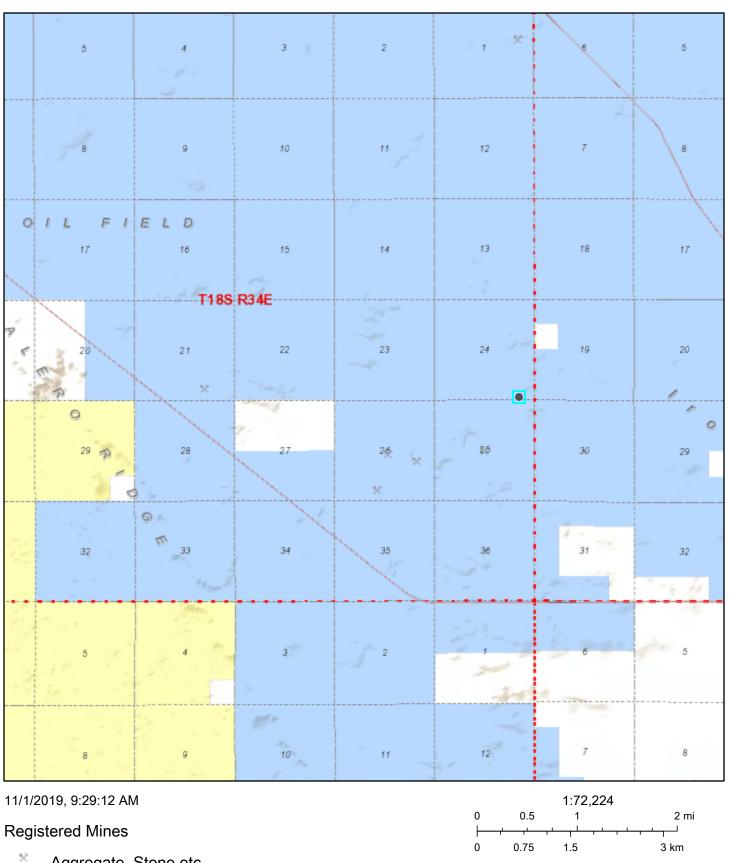
National Wetlands Inventory

Ironhouse 24 1H: 818 ft to Wetland



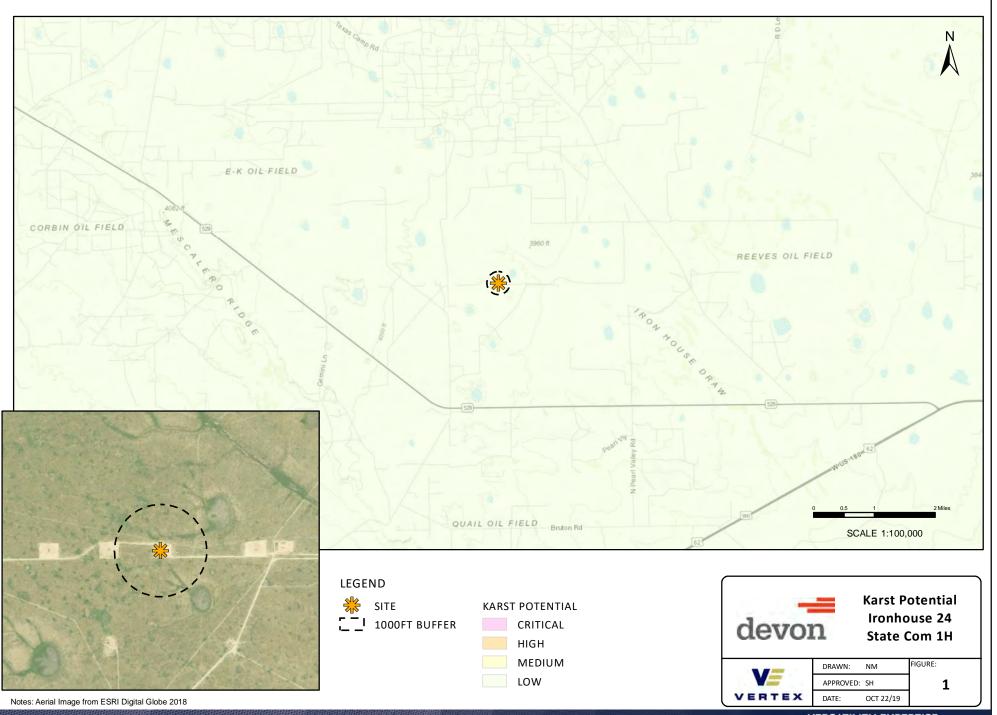
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Active Mines near Ironhouse 24 State Com 1H



- Aggregate, Stone etc.
- 52 Aggregate, Stone etc.

U.S. Bureau of Land Management - New Mexico State Office, Sources: Esri, USGS, NOAA, Sources: Esri, Garmin, USGS, NPS



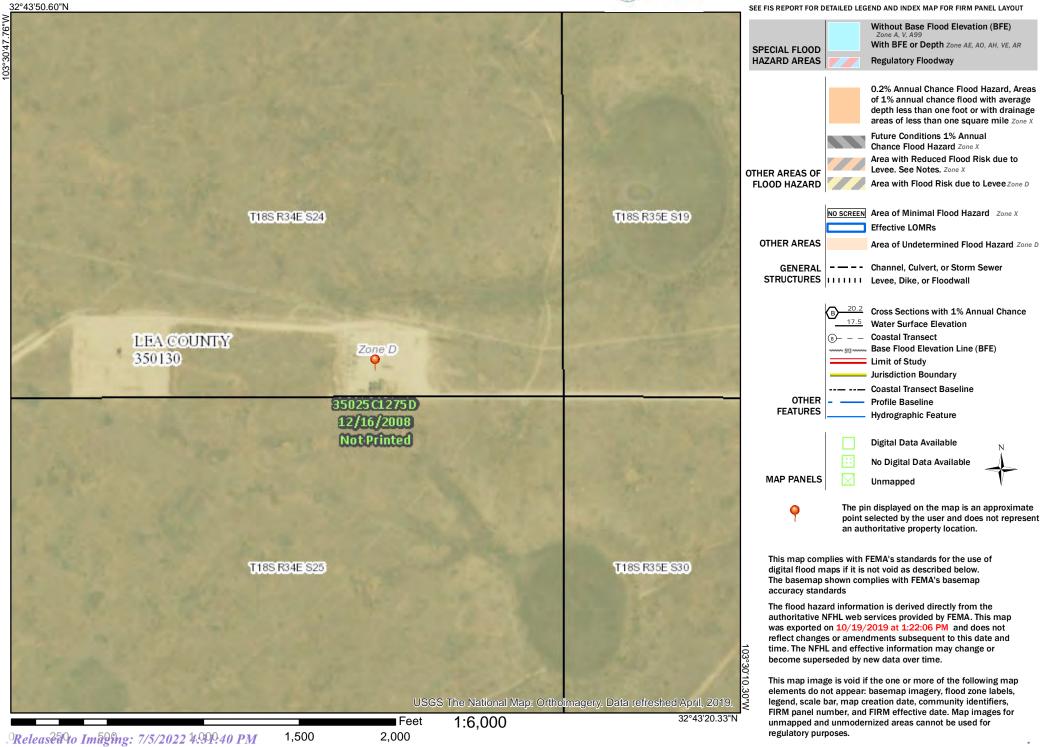
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Received by OCD: 5/6/2020 9:53:54 AM INational Flood Hazard Layer FIRMette



Legend

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Map Unit Description: Kimbrough-Lea complex, dry, 0 to 3 percent slopes---Lea County, New Mexico

Lea County, New Mexico

KU—Kimbrough-Lea complex, dry, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 2tw46 Elevation: 2,500 to 4,800 feet Mean annual precipitation: 14 to 16 inches Mean annual air temperature: 57 to 63 degrees F Frost-free period: 180 to 220 days Farmland classification: Not prime farmland

Map Unit Composition

Kimbrough and similar soils: 45 percent
Lea and similar soils: 25 percent
Minor components: 30 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kimbrough

Setting

Landform: Plains, playa rims Down-slope shape: Linear, convex Across-slope shape: Linear, concave Parent material: Loamy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 3 inches: gravelly loam Bw - 3 to 10 inches: loam Bkkm1 - 10 to 16 inches: cemented material Bkkm2 - 16 to 80 inches: cemented material

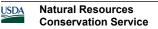
Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 4 to 18 inches to petrocalcic
Natural drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.01 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 95 percent
Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum in profile: 1.0
Available water storage in profile: Very low (about 1.4 inches)

Available water storage in profile. Very low (

Interpretive groups

Land capability classification (irrigated): None specified



Map Unit Description: Kimbrough-Lea complex, dry, 0 to 3 percent slopes---Lea County, New Mexico

Land capability classification (nonirrigated): 7s Hydrologic Soil Group: D Ecological site: Very Shallow 12-17" PZ (R077DY049TX) Hydric soil rating: No

Description of Lea

Setting

Landform: Plains Down-slope shape: Convex Across-slope shape: Linear Parent material: Calcareous, loamy eolian deposits from the blackwater draw formation of pleistocene age over indurated caliche of pliocene age

Typical profile

A - 0 to 10 inches: loam Bk - 10 to 18 inches: loam Bkk - 18 to 26 inches: gravelly fine sandy loam Bkkm - 26 to 80 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 22 to 30 inches to petrocalcic
Natural drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 90 percent
Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum in profile: 3.0
Available water storage in profile: Very low (about 2.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified Land capability classification (nonirrigated): 7s Hydrologic Soil Group: D Ecological site: Sandy Loam 12-17" PZ (R077DY047TX) Hydric soil rating: No

Minor Components

Douro

Percent of map unit: 12 percent Landform: Plains Down-slope shape: Linear Across-slope shape: Linear Ecological site: Sandy Loam 12-17" PZ (R077DY047TX) Hydric soil rating: No

1/20/2020 Page 2 of 3 Map Unit Description: Kimbrough-Lea complex, dry, 0 to 3 percent slopes---Lea County, New Mexico

Kenhill

Percent of map unit: 12 percent Landform: Plains Down-slope shape: Linear Across-slope shape: Linear Ecological site: Clay Loam 12-17" PZ (R077DY038TX) Hydric soil rating: No

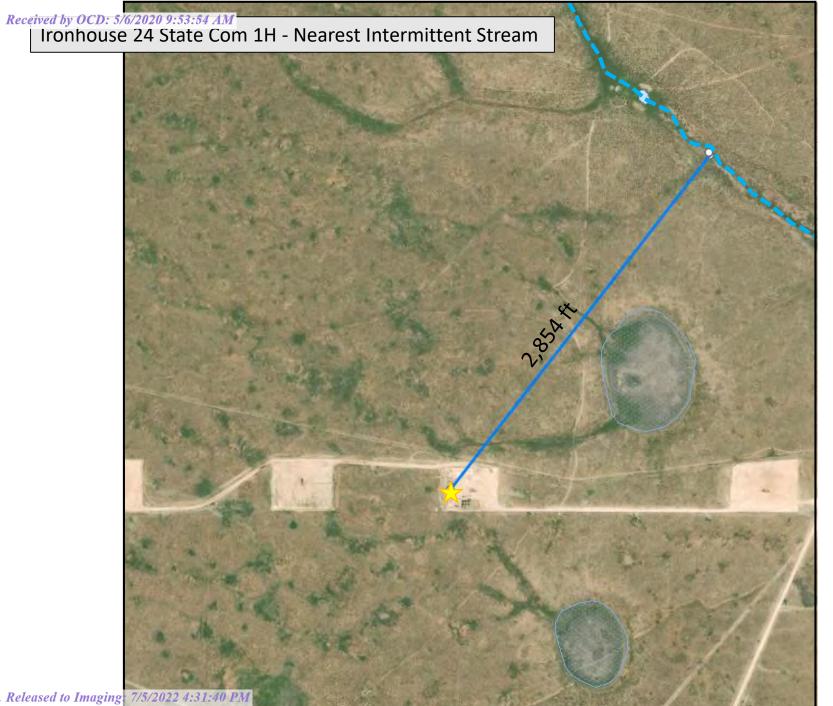
Spraberry

Percent of map unit: 6 percent Landform: Plains, playa rims Down-slope shape: Linear, convex Across-slope shape: Linear Ecological site: Very Shallow 12-17" PZ (R077DY049TX) Hydric soil rating: No

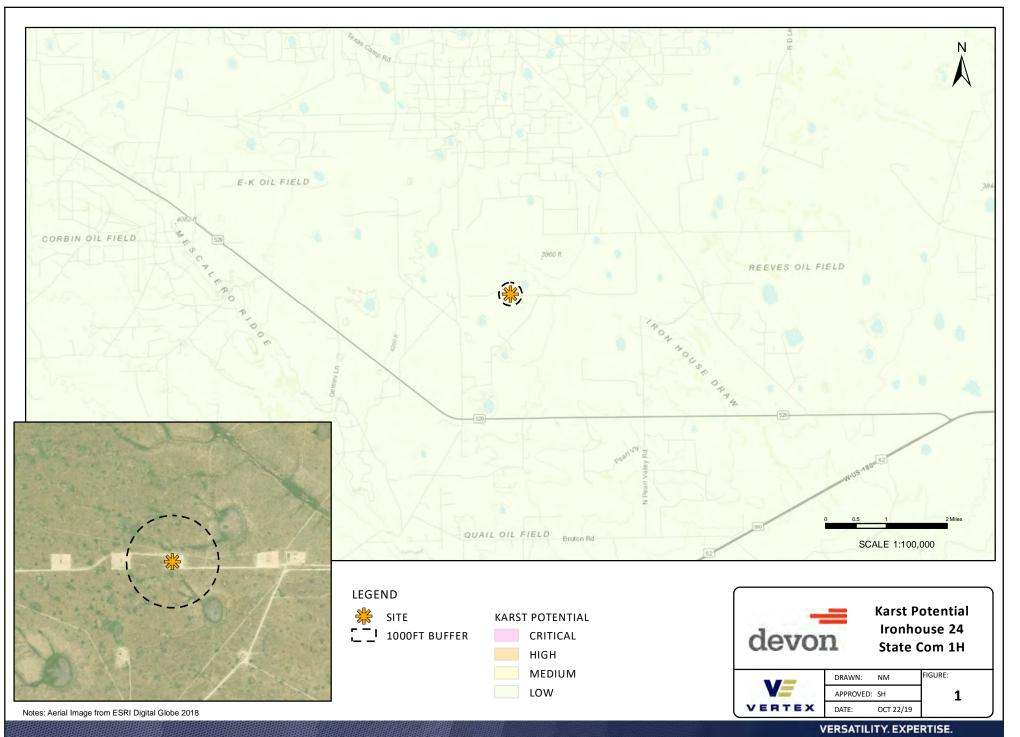
Data Source Information

Soil Survey Area: Lea County, New Mexico Survey Area Data: Version 16, Sep 15, 2019





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Released to Imaging: 7/5/2022 4:31:40 PM

ATTACHMENT 4



| Client: | Devon Energy Corporation | Inspection Date: | 12/5/2019 | |
|-------------------------|------------------------------|-------------------|-----------------------------|--|
| Site Location Name: | Ironhouse 24 State Com 1H | Report Run Date: | 12/5/2019 9:22 PM | |
| Project Owner: | Amanda Davis | File (Project) #: | 19E-00575 | |
| Project Manager: | Natalie Gordon | API #: | 30-025-41163 | |
| Client Contact Name: | Amanda Davis | Reference | Water Dump / Heater Treater | |
| Client Contact Phone #: | (575) 748-0176 | | | |
| | | Summary of | Times | |
| Left Office | 12/5/2019 9:24 AM | | | |
| Arrived at Site | 12/5/2019 10:37 AM | | | |
| Departed Site | 12/5/2019 12:59 PM | | | |
| Returned to Office | 12/5/2019 2:03 PM | | | |
| | | | | |

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Site Sketch 1/4bbi oil_7.13.17 devon WG5_1984_Web_Mercator_Auxiliary_5 Prepared by: Shella Fisher Map is current as of: 14-Jul-2017 N 8.84 1:1,779 ~ 3 conf samples - 1-2 back grand Samples 8S. R34E 1/4bbl oi France "i 1 = edge: of Spill area

Run on 12/5/2019 9:22 PM UTC

. Released to Imaging: 7/5/2022 4:31:40 PM



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Summary of Daily Operations

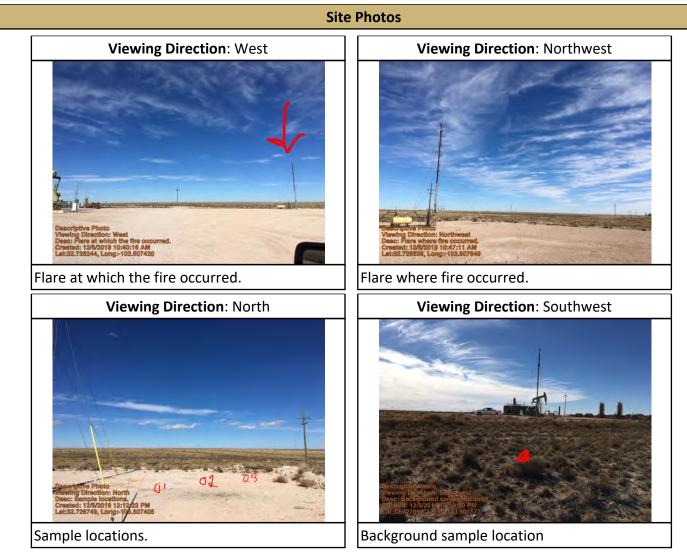
10:38 Take confirmation samples of flare fire spray spill.

Next Steps & Recommendations

1

.







Daily Site Visit Signature

Inspector: Sharlene Harvester

Signature: 🛩

Run on 12/5/2019 9:22 PM UTC

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ATTACHMENT 5

Natalie Gordon

| From: | Natalie Gordon |
|-----------------|--|
| Sent: | Tuesday, December 3, 2019 12:45 PM |
| То: | emnrd-ocd-district1spills@state.nm.us; ramona.marcus@state.nm.us; Mike Bratcher (mike.bratcher@state.nm.us) |
| Cc: Subject: | Davis, Amanda; Dennis Williams (DWilliams@vertex.ca) RE: 1RP-4768: Ironhouse 24 State Com 1H 48-hr Sampling Notification - Devon Energy |

Correction: sampling will take place on Thursday, December 5, 2019 at 2:00pm at Ironhouse 24 State Com 1H.

From: Natalie Gordon
Sent: Tuesday, December 3, 2019 12:39 PM
To: emnrd-ocd-district1spills@state.nm.us; ramona.marcus@state.nm.us; Mike Bratcher (mike.bratcher@state.nm.us)
<mike.bratcher@state.nm.us>
Cc: Davis, Amanda <Amanda.Davis@dvn.com>; Dennis Williams (DWilliams@vertex.ca) <DWilliams@vertex.ca>
Subject: 1RP-4768: Ironhouse 24 State Com 1H 48-hr Sampling Notification - Devon Energy

All:

Please accept this email as 48-hr notification that Vertex Resource Services Inc. has scheduled confirmation sampling to be conducted at Ironhouse 24 State Com 1H for an oil release that occurred on July 13, 2017. The reference number for this incident is 1RP-4768.

On December 4, 2019 beginning at 2:00 p.m., Vertex personnel will be onsite to collect confirmation samples for closure of the above referenced incident.

If you need assistance with directions to the site, or have any questions or concerns, please do not hesitate to contact me.

Thank you, Natalie

ATTACHMENT 6

Client Name: Devon Energy Production Company Site Name: Ironhouse 24 State Com 1H Project #: 19E-00575-033 Lab Report: 1912273

| | | Table 2. | Confirmatory : | Soil Samples - | Depth to Grou | undwater > <u>1</u> 0 | 0 feet | | | |
|-----------|--------------------|-------------|--|----------------|---|---------------------------------------|---|-----------------|---|-----------|
| | Sample Description | | | | Petro | oleum Hydrocai | bons | | | Inorganic |
| | | | Vol | atile | | | Extractable | | | morganic |
| Sample ID | Depth (ft) | Sample Date | euseuseuseuseuseuseuseuseuseuseuseuseuse | (gay/ga) | ଞ୍ଚ ଜ୍ଞ Gasoline Range ଅନ୍ଧି Organics (GRO) | ଞ୍ଚ Diesel Range ଅନୁOrganics (DRO) | ଅ ଜ୍ଞି Motor Oil Range ସୁ Organics (MRO) | (00) (mg/kg) | ୁ ଅ Total Petroleum ଅ Hydrocarbons ଅ (TPH) | (mg/kg) |
| BG 19-01 | 0 | 12/5/2019 | <0.024 | <0.219 | <4.9 | <9.4 | <47 | <14.3 | <61.3 | <60 |
| BS 19-01 | 0 | 12/5/2019 | <0.023 | <0.207 | <4.6 | <9.6 | <48 | <14.2 | <62.2 | 140 |
| BS 19-02 | 0 | 12/5/2019 | <0.024 | <0.215 | <4.8 | <9.9 | <49 | <14.7 | <63.7 | 180 |
| BS 19-03 | 0 | 12/5/2019 | <0.025 | <0.222 | <4.9 | <9.4 | <47 | <14.3 | <61.3 | 60 |

Bold and shaded indicates exceedance outside of applied action level



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ATTACHMENT 7



December 12, 2019

Natalie Gordon Vertex Resource Group Ltd. 213 S. Mesa St Carlsbad, NM 88220 TEL: FAX Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

OrderNo.: 1912273

RE: Ironhouse 24 1H Flare Fire

Dear Natalie Gordon:

Hall Environmental Analysis Laboratory received 4 sample(s) on 12/6/2019 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

CLIENT: Vertex Resource Group Ltd.

Project: Ironhouse 24 1H Flare Fire

Analytical Report Lab Order 1912273

Date Reported: 12/12/2019

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BG19-01 0' Collection Date: 12/5/2019 11:31:00 AM **Descrived Deter** 12/6/2010 0:00:00 AM

| Lab ID: 1912273-001 | Matrix: SOIL | Rece | Received Date: 12/6/2019 9:00:00 AM | | | | | | | |
|---------------------------------|--------------|----------|-------------------------------------|----|------------------------|--|--|--|--|--|
| Analyses | Result | RL Qua | al Units | DF | Date Analyzed | | | | | |
| EPA METHOD 8015M/D: DIESEL RANG | E ORGANICS | | | | Analyst: BRM | | | | | |
| Diesel Range Organics (DRO) | ND | 9.4 | mg/Kg | 1 | 12/11/2019 4:28:10 PM | | | | | |
| Motor Oil Range Organics (MRO) | ND | 47 | mg/Kg | 1 | 12/11/2019 4:28:10 PM | | | | | |
| Surr: DNOP | 80.3 | 70-130 | %Rec | 1 | 12/11/2019 4:28:10 PM | | | | | |
| EPA METHOD 8015D: GASOLINE RANG | θE | | | | Analyst: NSB | | | | | |
| Gasoline Range Organics (GRO) | ND | 4.9 | mg/Kg | 1 | 12/9/2019 4:41:32 PM | | | | | |
| Surr: BFB | 79.4 | 66.6-105 | %Rec | 1 | 12/9/2019 4:41:32 PM | | | | | |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: NSB | | | | | |
| Benzene | ND | 0.024 | mg/Kg | 1 | 12/9/2019 4:41:32 PM | | | | | |
| Toluene | ND | 0.049 | mg/Kg | 1 | 12/9/2019 4:41:32 PM | | | | | |
| Ethylbenzene | ND | 0.049 | mg/Kg | 1 | 12/9/2019 4:41:32 PM | | | | | |
| Xylenes, Total | ND | 0.097 | mg/Kg | 1 | 12/9/2019 4:41:32 PM | | | | | |
| Surr: 4-Bromofluorobenzene | 92.6 | 80-120 | %Rec | 1 | 12/9/2019 4:41:32 PM | | | | | |
| EPA METHOD 300.0: ANIONS | | | | | Analyst: MRA | | | | | |
| Chloride | ND | 60 | mg/Kg | 20 | 12/10/2019 12:49:10 AM | | | | | |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- н
- Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 1 of 8

Project:

Lab ID:

CLIENT: Vertex Resource Group Ltd.

1912273-002

Ironhouse 24 1H Flare Fire

Analytical Report Lab Order 1912273

Date Reported: 12/12/2019

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BS19-01 0' Collection Date: 12/5/2019 12:11:00 PM Received Date: 12/6/2019 9:00:00 AM

| | Soll | 1000 | | | | | | | |
|----------------------------------|------------|----------|----------|----|-----------------------|--|--|--|--|
| Analyses | Result | RL Qu | al Units | DF | Date Analyzed | | | | |
| EPA METHOD 8015M/D: DIESEL RANGE | E ORGANICS | | | | Analyst: BRM | | | | |
| Diesel Range Organics (DRO) | ND | 9.6 | mg/Kg | 1 | 12/11/2019 4:37:17 PM | | | | |
| Motor Oil Range Organics (MRO) | ND | 48 | mg/Kg | 1 | 12/11/2019 4:37:17 PM | | | | |
| Surr: DNOP | 87.7 | 70-130 | %Rec | 1 | 12/11/2019 4:37:17 PM | | | | |
| EPA METHOD 8015D: GASOLINE RANG | iΕ | | | | Analyst: NSB | | | | |
| Gasoline Range Organics (GRO) | ND | 4.6 | mg/Kg | 1 | 12/9/2019 5:05:07 PM | | | | |
| Surr: BFB | 81.6 | 66.6-105 | %Rec | 1 | 12/9/2019 5:05:07 PM | | | | |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: NSB | | | | |
| Benzene | ND | 0.023 | mg/Kg | 1 | 12/9/2019 5:05:07 PM | | | | |
| Toluene | ND | 0.046 | mg/Kg | 1 | 12/9/2019 5:05:07 PM | | | | |
| Ethylbenzene | ND | 0.046 | mg/Kg | 1 | 12/9/2019 5:05:07 PM | | | | |
| Xylenes, Total | ND | 0.092 | mg/Kg | 1 | 12/9/2019 5:05:07 PM | | | | |
| Surr: 4-Bromofluorobenzene | 93.9 | 80-120 | %Rec | 1 | 12/9/2019 5:05:07 PM | | | | |
| EPA METHOD 300.0: ANIONS | | | | | Analyst: MRA | | | | |
| Chloride | 140 | 60 | mg/Kg | 20 | 12/10/2019 1:01:30 AM | | | | |
| | | | | | | | | | |

Matrix: SOIL

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- н
- Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 2 of 8

CLIENT: Vertex Resource Group Ltd.

Project: Ironhouse 24 1H Flare Fire

Analytical Report Lab Order 1912273

Date Reported: 12/12/2019

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BS19-02 0' Collection Date: 12/5/2019 11:51:00 AM **Descrived Deter** 12/6/2010 0:00:00 AM

| Lab ID: 1912273-003 | Matrix: SOIL | Received Date: 12/6/2019 9:00:00 AM | | | | | | | |
|----------------------------------|--------------|--|----------|----|-----------------------|--|--|--|--|
| Analyses | Result | RL Qua | al Units | DF | Date Analyzed | | | | |
| EPA METHOD 8015M/D: DIESEL RANGE | ORGANICS | | | | Analyst: BRM | | | | |
| Diesel Range Organics (DRO) | ND | 9.9 | mg/Kg | 1 | 12/11/2019 4:46:23 PM | | | | |
| Motor Oil Range Organics (MRO) | ND | 49 | mg/Kg | 1 | 12/11/2019 4:46:23 PM | | | | |
| Surr: DNOP | 78.4 | 70-130 | %Rec | 1 | 12/11/2019 4:46:23 PM | | | | |
| EPA METHOD 8015D: GASOLINE RANGI | E | | | | Analyst: NSB | | | | |
| Gasoline Range Organics (GRO) | ND | 4.8 | mg/Kg | 1 | 12/9/2019 5:28:38 PM | | | | |
| Surr: BFB | 80.4 | 66.6-105 | %Rec | 1 | 12/9/2019 5:28:38 PM | | | | |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: NSB | | | | |
| Benzene | ND | 0.024 | mg/Kg | 1 | 12/9/2019 5:28:38 PM | | | | |
| Toluene | ND | 0.048 | mg/Kg | 1 | 12/9/2019 5:28:38 PM | | | | |
| Ethylbenzene | ND | 0.048 | mg/Kg | 1 | 12/9/2019 5:28:38 PM | | | | |
| Xylenes, Total | ND | 0.096 | mg/Kg | 1 | 12/9/2019 5:28:38 PM | | | | |
| Surr: 4-Bromofluorobenzene | 92.6 | 80-120 | %Rec | 1 | 12/9/2019 5:28:38 PM | | | | |
| EPA METHOD 300.0: ANIONS | | | | | Analyst: MRA | | | | |
| Chloride | 180 | 60 | mg/Kg | 20 | 12/10/2019 1:13:51 AM | | | | |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- н
- Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Project:

CLIENT: Vertex Resource Group Ltd.

Ironhouse 24 1H Flare Fire

Analytical Report Lab Order 1912273

Date Reported: 12/12/2019

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BS19-03 0' Collection Date: 12/5/2019 11:41:00 AM **Received Date:** 12/6/2010 0:00:00 AM

| Lab ID: 1912273-004 | Matrix: SOIL | Received Date: 12/6/2019 9:00:00 AM | | | | | | | |
|----------------------------------|--------------|-------------------------------------|----------|----|-----------------------|--|--|--|--|
| Analyses | Result | RL Qua | al Units | DF | Date Analyzed | | | | |
| EPA METHOD 8015M/D: DIESEL RANGE | ORGANICS | | | | Analyst: BRM | | | | |
| Diesel Range Organics (DRO) | 750 | 9.4 | mg/Kg | 1 | 12/11/2019 4:55:27 PM | | | | |
| Motor Oil Range Organics (MRO) | 120 | 47 | mg/Kg | 1 | 12/11/2019 4:55:27 PM | | | | |
| Surr: DNOP | 77.3 | 70-130 | %Rec | 1 | 12/11/2019 4:55:27 PM | | | | |
| EPA METHOD 8015D: GASOLINE RANGE | E | | | | Analyst: NSB | | | | |
| Gasoline Range Organics (GRO) | ND | 4.9 | mg/Kg | 1 | 12/9/2019 5:52:13 PM | | | | |
| Surr: BFB | 79.6 | 66.6-105 | %Rec | 1 | 12/9/2019 5:52:13 PM | | | | |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: NSB | | | | |
| Benzene | ND | 0.025 | mg/Kg | 1 | 12/9/2019 5:52:13 PM | | | | |
| Toluene | ND | 0.049 | mg/Kg | 1 | 12/9/2019 5:52:13 PM | | | | |
| Ethylbenzene | ND | 0.049 | mg/Kg | 1 | 12/9/2019 5:52:13 PM | | | | |
| Xylenes, Total | ND | 0.099 | mg/Kg | 1 | 12/9/2019 5:52:13 PM | | | | |
| Surr: 4-Bromofluorobenzene | 92.8 | 80-120 | %Rec | 1 | 12/9/2019 5:52:13 PM | | | | |
| EPA METHOD 300.0: ANIONS | | | | | Analyst: MRA | | | | |
| Chloride | 60 | 59 | mg/Kg | 20 | 12/10/2019 1:50:54 AM | | | | |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- н
- Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 4 of 8

| Client: Project: | Vertex Rese Ironhouse 2 | | 1 | | | | | | | | |
|---------------------|----------------------------|-----------|-----------------|-----------|-------------|-----------|-----------|--------------|------|----------|------|
| Sample ID: MB-4 | 9232 | SampT | ype: m t | olk | Tes | tCode: EF | PA Method | 300.0: Anion | s | | |
| Client ID: PBS | | Batch | n ID: 49 | 232 | F | RunNo: 6 | 5035 | | | | |
| Prep Date: 12/9 | / 2019 A | nalysis D | ate: 12 | 2/9/2019 | S | SeqNo: 22 | 231761 | Units: mg/K | g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | | ND | 1.5 | | | | | | | | |
| Sample ID: LCS- | 49232 | SampT | ype: Ics | ; | Tes | tCode: EF | PA Method | 300.0: Anion | s | | |
| Client ID: LCSS | ; | Batch | n ID: 49 | 232 | F | RunNo: 6 | 5035 | | | | |
| Prep Date: 12/9 | / 2019 A | nalysis D | ate: 12 | 2/9/2019 | 5 | SeqNo: 22 | 231762 | Units: mg/K | g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | | 14 | 1.5 | 15.00 | 0 | 94.9 | 90 | 110 | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

1912273

12-Dec-19

WO#:

Client:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Vertex Resource Group Ltd.

| Project: Ironhou | se 24 1H Flare I | Fire | | | | | | | |
|--------------------------------|------------------|--------------|-------------|-------------------|----------|--------------|-----------|------------|------|
| Sample ID: LCS-49249 | SampType: | LCS | Tes | tCode: EPA | A Method | 8015M/D: Die | sel Range | e Organics | |
| Client ID: LCSS | Batch ID: | 49249 | R | RunNo: 650 | 93 | | | | |
| Prep Date: 12/10/2019 | Analysis Date: | 12/11/2019 | S | SeqNo: 223 | 3725 | Units: %Rec | : | | |
| Analyte | Result PC | QL SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: DNOP | 5.9 | 5.000 | | 118 | 70 | 130 | | | |
| Sample ID: MB-49249 | SampType: | MBLK | Test | tCode: EPA | A Method | 8015M/D: Die | sel Range | e Organics | |
| Client ID: PBS | Batch ID: | 49249 | R | RunNo: 650 | 93 | | | | |
| Prep Date: 12/10/2019 | Analysis Date: | 12/11/2019 | S | SeqNo: 223 | 3726 | Units: %Rec | : | | |
| Analyte | Result PC | QL SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: DNOP | 14 | 10.00 | | 136 | 70 | 130 | | | S |
| Sample ID: LCS-49218 | SampType: | LCS | Test | tCode: EPA | A Method | 8015M/D: Die | sel Range | e Organics | |
| Client ID: LCSS | Batch ID: | 49218 | R | RunNo: 650 | 93 | | | | |
| Prep Date: 12/9/2019 | Analysis Date: | 12/11/2019 | S | SeqNo: 223 | 3816 | Units: mg/K | g | | |
| Analyte | Result PC | QL SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | - | 10 50.00 | 0 | 105 | 63.9 | 124 | | | |
| Surr: DNOP | 4.6 | 5.000 | | 92.2 | 70 | 130 | | | |
| Sample ID: MB-49218 | SampType: | MBLK | Tes | tCode: EPA | A Method | 8015M/D: Die | sel Range | e Organics | |
| Client ID: PBS | Batch ID: | 49218 | R | RunNo: 650 | 93 | | | | |
| Prep Date: 12/9/2019 | Analysis Date: | 12/11/2019 | S | SeqNo: 223 | 3817 | Units: mg/K | g | | |
| Analyte | Result PC | QL SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | ND | 10 | | | | | | | |
| Motor Oil Range Organics (MRO) | ND | 50 | | | | | | | |
| Surr: DNOP | 10 | 10.00 | | 99.8 | 70 | 130 | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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1912273

12-Dec-19

WO#:

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| Client: Project: | Vertex Resource Ironhouse 24 11 | | | | | | | | | |
|-----------------------|------------------------------------|-------------|-----------|-------------|-----------------|-----------|--------------------|-----------|----------|------|
| Sample ID: mb-49 | 206 Sa | трТуре: М | IBLK | Tes | tCode: El | PA Method | 8015D: Gasc | line Rang | e | |
| Client ID: PBS | E | Batch ID: 4 | 9206 | F | RunNo: 6 | 5038 | | | | |
| Prep Date: 12/6/2 | 2019 Analys | sis Date: 1 | 2/9/2019 | 5 | SeqNo: 2 | 231210 | Units: mg/K | (g | | |
| Analyte | Resu | ılt PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organi | cs (GRO) N | D 5.0 |) | | | | | | | |
| Surr: BFB | 86 | 60 | 1000 | | 85.8 | 66.6 | 105 | | | |
| Sample ID: Ics-49 | 2 06 Sa | mpType: L | cs | Tes | tCode: El | PA Method | 8015D: Gasc | line Rang | e | |
| Client ID: LCSS | E | Batch ID: 4 | 9206 | F | RunNo: 6 | 5038 | | | | |
| Prep Date: 12/6/2 | 2019 Analys | sis Date: 1 | 2/9/2019 | S | SeqNo: 2 | 231219 | Units: mg/K | ſg | | |
| Analyte | Resu | ılt PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organi | cs (GRO) 2 | 25 5.0 | 25.00 | 0 | 99.2 | 80 | 120 | | | |
| Surr: BFB | 93 | 0 | 1000 | | 92.9 | 66.6 | 105 | | | |

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
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- ND Not Detected at the Reporting Limit
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- S % Recovery outside of range due to dilution or matrix

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- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

WO#: 1912273 12-Dec-19

| | rtex Resource G nhouse 24 1H F | • | | | | | | | | |
|----------------------------|-----------------------------------|-----------------|-----------|-------------|-----------|-----------|--------------|------|----------|------|
| Sample ID: mb-49206 | Samp | Type: ME | BLK | Tes | tCode: El | PA Method | 8021B: Volat | iles | | |
| Client ID: PBS | Bato | h ID: 49 | 206 | F | RunNo: 6 | 5038 | | | | |
| Prep Date: 12/6/2019 | Analysis | Date: 12 | 2/9/2019 | S | SeqNo: 2 | 231250 | Units: mg/K | (g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | ND | 0.025 | | | | | | | | |
| Toluene | ND | 0.050 | | | | | | | | |
| Ethylbenzene | ND | 0.050 | | | | | | | | |
| Xylenes, Total | ND | 0.10 | | | | | | | | |
| Surr: 4-Bromofluorobenzene | e 1.0 | | 1.000 | | 99.5 | 80 | 120 | | | |
| Sample ID: LCS-49206 | Samp | Туре: LC | s | Tes | tCode: El | PA Method | 8021B: Volat | iles | | |
| Client ID: LCSS | Bato | ch ID: 49 | 206 | F | RunNo: 6 | 5038 | | | | |
| Prep Date: 12/6/2019 | Analysis | Date: 12 | 2/9/2019 | S | SeqNo: 2 | 231251 | Units: mg/K | íg | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.86 | 0.025 | 1.000 | 0 | 86.1 | 80 | 120 | | | |
| Toluene | 0.90 | 0.050 | 1.000 | 0 | 90.1 | 80 | 120 | | | |
| Ethylbenzene | 0.89 | 0.050 | 1.000 | 0 | 89.5 | 80 | 120 | | | |
| Xylenes, Total | 2.8 | 0.10 | 3.000 | 0 | 91.9 | 80 | 120 | | | |
| Surr: 4-Bromofluorobenzene | e 0.97 | | 1.000 | | 97.0 | 80 | 120 | | | |

Qualifiers:

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- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
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- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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1912273

12-Dec-19

WO#:

| HALL ENVIRONMENTAL ANALYSIS LABORATORY | Hall Environmenta Alb TEL: 505-345-397: Website: www.h | 4901 Haw mquerque, NN 5 FAX: 505-3 | kins NE M 87109 45-4107 | Sample Log-In Check List | | | | |
|---|---|--|-------------------------------|--------------------------|--|----------|--|--|
| Client Name: VERTEX CARLSBAD | Work Order Number | : 1912273 | | | RcptNo: 1 | | | |
| Received By: Yazmine Garduno Completed By: Erin Melendrez | 12/6/2019 9:00:00 AM 12/6/2019 9:49:02 AM | | n forge | rin liljendesti UA | | | | |
| Reviewed By: DAD 12/6/19 | | | _ ` | | ~ | | | |
| Chain of Custody | | | | | | | | |
| 1. Is Chain of Custody sufficiently complete? | | Yes 🗹 | N | • | Not Present | | | |
| 2. How was the sample delivered? | | <u>Courier</u> | | | | | | |
| Log In 3. Was an attempt made to cool the samples? | | ¥ . | | | | | | |
| 5. Was an allempt made to cool the samples? | | Yes 🗹 | N | b | NA 🗌 | | | |
| 4. Were all samples received at a temperature of | of >0° C to 6.0°C | Yes 🗹 | No | • | | | | |
| 5. Sample(s) in proper container(s)? | | Yes 🗹 | No | • 🗆 | | | | |
| 6. Sufficient sample volume for indicated test(s) | ? | Yes 🗹 | No | | | | | |
| 7. Are samples (except VOA and ONG) properly | preserved? | Yes 🗹 | No | | | | | |
| 8. Was preservative added to bottles? | | Yes 🗌 | No | | NA 🗌 | | | |
| 9. Received at least 1 vial with headspace <1/4" | for AQ VQA? | Yes 🗌 | No | | | | | |
| 10, Were any sample containers received broker | | Yes | | | # of preserved | · | | |
| 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) | | Yes 🗹 | No | | bottles checked for pH: (<2 or >12 unles | s noted) | | |
| 12. Are matrices correctly identified on Chain of C | sustody? | Yes 🗹 | No | | Adjusted? | | | |
| 13. Is it clear what analyses were requested? | | Yes 🗹 | No | | | 11116 | | |
| 14. Were all holding times able to be met? (If no, notify customer for authorization.) | | Yes 🗹 | No | | Checked by: 16 [2 | 1411 | | |
| Special Handling (if applicable) | | | | | | | | |
| 15. Was client notified of all discrepancies with the | nis order? | Yes 🗌 | No | b | NA 🗹 | | | |
| Person Notified: | Date: | | | | | | | |
| By Whom: | Via: | eMail |] Phone [|] Fax | In Person | | | |
| Regarding: | | | | | | | | |
| Client Instructions: | | | | | | | | |
| 16. Additional remarks: | | | | | | | | |
| 17. <u>Cooler Information</u> | | | | | | | | |
| | al Intact Seal No | Seal Date | Signed | By | | | | |
| 1 4.3 Good | | | | | | | | |

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2.

| <i>Received by OCD: 5/6/2020 9:</i> | 33:04 AW | | | | | Page 65 of 65 |
|--|---|----------------|----------------|--------|---|--|
| AL | | | | | | |
| ENVIRONMENTAL YSIS LABORATOR environmental.com Albuquerque, NM 87109 Fax 505-345-4107 ralysis Request | | | | | | Date Time Remarks: Date Time 15 20 Date Time 100 N 00 100 This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report |
| | | | | | | lalytica |
| ENVIRONME YSIS LABOR/ environmental.com Albuquerque, NM 87109 Fax 505-345-4107 ialysis Request | | | | | | the |
| RO Ital.c Jue, N Jues | Total Coliform (Present/Absent) | | | | | ated |
| S S S S | (AOV-im92) 0728 | | | | | arly not |
| - ENVIRO LYSIS LAE allenvironmental.cc - Albuquerque, Ni 5 Fax 505-345- Analysis Request | 8260 (VOA) | | | | | pe cles |
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| HALL ANAL www.ha 4901 Hawkins NE Tel. 505-345-3975 | EDB (Method 504.1) | | | | | -contra |
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Received by OCD: 5/6/2020 9:53:54 AM Form C-141 State of New Mexico

Page 3

Oil Conservation Division

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|----------------|----------------|
| Incident ID | nOY1720827033 |
| District RP | 1RP-4768 |
| Facility ID | |
| Application ID | pOY1720827296 |

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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? | (ft bgs) |
|---|------------|
| Did this release impact groundwater or surface water? | 🗌 Yes 🗴 No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | 🗌 Yes 🗴 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)? | 🗌 Yes 🗶 No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | 🗌 Yes 🗴 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? | 🗌 Yes 🗶 No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | 🗌 Yes 🗶 No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | 🗌 Yes 🗴 No |
| Are the lateral extents of the release within 300 feet of a wetland? | 🗌 Yes 🗶 No |
| Are the lateral extents of the release overlying a subsurface mine? | 🗌 Yes 🗴 No |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | 🗌 Yes 🗶 No |
| Are the lateral extents of the release within a 100-year floodplain? | Yes X No |
| Did the release impact areas not on an exploration, development, production, or storage site? | 🗌 Yes 🗴 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.

- X Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- × Field data
- **x** Data table of soil contaminant concentration data
- X Depth to water determination
- X Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- NA Boring or excavation logs
- X Photographs including date and GIS information
- X Topographic/Aerial maps
- X 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.

| Received by OCD: 5/6/2020 9:53:54 AM State of New Mexico | | | Page 67 of 6 | | |
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| 101111 (-141 | | | Incident ID | nOY1720827033 | |
| Page 4 | Oil Conservation Division | L | District RP | 1RP-4768 | |
| | | | Facility ID | | |
| | | | Application ID | pOY1720827296 | |
| regulations all operators are public health or the environ failed to adequately investig addition, OCD acceptance of and/or regulations. Printed Name: Signature: Wesley | weight of the second structure weight of the second structure weight of the second structure weight of the second structure weight of the second structure weight of the second structure weight of the second structure weight of the second structure weight of the second structure weight of the second structure weight of the second structure weight of the second structure weight of the second structure weight of the second structure weight of the second structure weight of the second structure weight of the second structure weight of the second structure weight of the second structure weight of the second structure weight of the second structure weight of the second structure weight of the second structure weight of the second structure weight of the second structure weight of the second structure weight of the second structure weight of the second structure weight of the second structure weight of the second structure weight of the second structure weight of the second structure weight of the second structure weight of the second structure weight of the second structure weight of the second structure weight of the sec | notifications and perform ne OCD does not relieve threat to groundwater, su r of responsibility for con Title: Enviro Date: | corrective actions for r the operator of liability rface water, human hea npliance with any other onmentalRepresentat | eleases which may endanger should their operations have lth or the environment. In federal, state, or local laws | |
| OCD Only | | | | | |

Oil Conservation Division

| Incident ID | nOY1720827033 |
|----------------|---------------|
| District RP | 1RP-4768 |
| Facility ID | |
| Application ID | pOY1720827296 |

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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.

<u>Closure Report Attachment Checklist</u>: Each of the following items must be included in the closure report.

X A scaled site and sampling diagram as described in 19.15.29.11 NMAC

X 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)

X Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

X 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:Wes Mathews | Title: Environmental Representative |
|------------------------------|---|
| Signature: Wesley Mathews | Date: <u>1/27/2020</u> |
| email:wesley.mathews@dvn.com | Telephone:575-746-5549 |
| | |
| | |
| OCD Only | |
| Received by: | Date: |
| | y of liability should their operations have failed to adequately investigate and e water, human health, or the environment nor does not relieve the responsible d/or regulations. |
| Jocelyn Harimon | 07/05/2022 |
| Closure Approved by: | |
| Printed Name | Environmental Specialist |

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

CONDITIONS

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

| Operator: | | OGRID: |
|-----------|-------------------------------------|---|
| 0 | DEVON ENERGY PRODUCTION COMPANY, LP | 6137 |
| 3 | 333 West Sheridan Ave. | Action Number: |
| C | Oklahoma City, OK 73102 | 8110 |
| | | Action Type: |
| 1 | | [C-141] Release Corrective Action (C-141) |

| CONDITION | - | |
|------------|--|-----------|
| Created By | Condition | Condition |
| | | Date |
| jharimon | Depth to Groundwater is not adequately confirmed however the data does allow the OCD to approve this incident for closure. Please note that, when the well or facility is plugged or abandoned, the final remediation and reclamation shall take place in accordance with 19.15.29.12 and 19.15.29.13 NMAC once the site is no longer being used for oil and gas operations. | 7/5/2022 |

CONDITIONS

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Action 8110