

JUDAH OIL LLC

Remediation & Reclamation Closure Report

FORD STATE #001

Incident #NKMW1106735785

API No. 30-015-22512

C-02-22S-28E

NMSLO Lease #E42050002

Reported: 32.4285774,-104.0585175 NAD83

Correct Location: 32.42672820,-104.05716678 NAD83



2525 NW County Rd

Hobbs, NM 88240

[\(575\) 392-9996](tel:5753929996)

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Introduction

This report documents site history and remediation activities for the Ford State #001 release. The release is located on State of New Mexico trust land (NMSLO Lease #E42050002), and this report is prepared to address both New Mexico Oil Conservation Division (NMOCD) and New Mexico State Land Office (NMSLO) requirements. The report is prepared by Diamondback Disposal Services, Inc. (Diamondback) on behalf of Judah Oil LLC (Judah), under Incident # NKMW1106735785, assigned by NMOCD.

The release occurred in 2011 as a result of a flowline rupture. Initial excavation and remediation were performed that year under the regulatory standards and practices in effect at the time. Subsequent phases of documentation, sampling, and reporting, including delineation work performed in 2020 and 2024, have been prepared under the current NMOCD regulations in 19.15.29 NMAC, effective August 14, 2018.

Over the years, Judah has worked with several environmental consultants and contractors to complete required site work, including initial excavation by Munsen Construction, remediation and supplemental excavation by Souder, Miller & Associates (2020), and delineation sampling and reporting by Pima Environmental Services (2023–2024). This final closure report and variance request is prepared by Diamondback Disposal Services, Inc.

The release site is located in Unit C, Section 2, Township 22S, Range 28E, at corrected coordinates 32.42672820, -104.05716678 (NAD83). Previous reports and OCD records listed 32.4285774, -104.0585175, which reference the well location rather than the actual release. This report corrects that error and uses accurate site coordinates for all figures and documentation.

The site may be accessed as follows:

1. From the intersection of US 62/180 and West Road, head west on 62/180 for 0.3 miles to a lease road on the left.
2. Turn left and head southeast for 4.3 miles to a T in the road.
3. Turn left and head east for 1.2 miles to a lease road on the left.
4. Turn left and head north for 0.2 miles to a two-track road on the left.
5. Turn left and follow the two-track for 0.1 miles to the spill location.

This report has been prepared in accordance with 19.15.29 NMAC and applicable State Land Office reclamation requirements, including 19.15.29.13.D(3) NMAC, to consolidate the site history, document current conditions, and support a formal variance request.

Judah Oil LLC and Diamondback Disposal Services, Inc. respectfully submit this report, including supporting documentation, NDVI imagery, and a formal variance request, as a complete record of site activities and to support final closure approval under the current incident.

Site Characterization

Public records from the New Mexico Office of the State Engineer (Appendix B) show no registered domestic or supply water wells within 1/2 mile of the Ford State #001 release. One exploratory boring (POD2 Indian Flats Bass Fed SWD SB-9, OSE File CP01171), located within 1/2 mile of the release site, was drilled to 110 feet below ground surface in 2013 and found no water-bearing zones. The boring was subsequently plugged and abandoned upon completion of sampling.

The nearest known freshwater point of diversion is POD2 CP01710 (160 feet total depth, 149 ft static water level), located at Eclipse Global Quahada RV Park approximately 4.6 miles northwest of the release site. This also represents the nearest occupied residence.

The Pecos River is located approximately 5.5 miles southeast of the site. The nearest active subsurface mine (Mosaic Potash) is more than 5 miles from the release. The site is not located in a mapped flood zone.

The project area lies approximately 1000 feet from a planned habitat zone for Wright's Water Willow (*Justicia wrightii*), identified in BLM planning records (Appendix A). The site is classified as CHAT Level 4 (Appendix A) and does not overlap any federally designated critical habitat. According to the USFWS IPaC project review for Ford State One Closure Reporting (Project Code 2025-0112051, dated June 20, 2025), seven federally listed species may occur within the project area. No critical habitat is present. Bald Eagles may occur in the area, with a breeding season from October 15 through July 31. Several migratory birds of concern may also be present. Because no new surface disturbance is currently planned and the variance request would avoid further excavation, no impacts to listed species or their habitat are anticipated. The full IPaC species list is included in Appendix A.

Geologic mapping identifies this area as having medium karst potential, which is equivalent to low potential under the older NMOCD classification standards (Appendix A). The release location satisfies State Land Office and NMOCD site classification requirements.

Groundwater in the project area is classified under closure criteria for groundwater depths greater than 100 feet below ground surface, consistent with exploratory boring records and SMA 2020 groundwater determination. The site is not classified as sensitive under 19.15.29.12.C(4) NMAC. Closure criteria protective of groundwater were applied consistent with this classification. Standards for groundwater depths less than 50 feet bgs were applied in the upper four feet of excavation, with criteria for depths greater than 100 feet bgs applied below that depth. (See Table Below)

Table 1: NMAC 19.15.29.12 Closure Criteria

Groundwater Depth	Chloride (mg/kg)	TPH (GRO+DRO+MRO) (mg/kg)	GRO+DRO (mg/kg)	BTEX (mg/kg)	Benzene (mg/kg)
<50 feet	600	100	N/A	50	10
>100 feet	20,000	2,500	1,000	50	10

Chronological Summary of Remediation/Reclamation Activities

2011 Initial Release, Excavation, and Reclamation

On February 4, 2011, a flowline rupture released crude oil and produced water at the Ford State #001 lease. The release was reported to NMOCD under the standards in place at that time. Initial excavation of impacted soils was performed by Munson Construction, removing a total of 346 cubic yards of material, which was disposed at Sundance Services (Appendix F). Haul tickets and invoices indicate that disposal occurred between March 25 and March 31, 2011. Witness testimony from Blaise Campanella confirms that the 2011 excavation was not backfilled. No formal closure report has been located, and no sampling records or analytical data are available from the 2011 excavation.

2020 SMA Remediation Plan

In early 2020, Judah Oil LLC retained Souder, Miller & Associates (SMA) to perform delineation sampling and prepare a remediation plan for the site. SMA conducted delineation sampling during February, April, and June 2020. The remediation plan was submitted to NMOCD on July 6, 2020 (Appendix E: Communications). The plan included a proposed sampling map showing intended areas for treatment and excavation. The plan was not formally approved before subsequent field activities were initiated.

2020 Excavation by Rockstar Packing LLC

In late July 2020, Judah Oil LLC contracted Rockstar Packing LLC to perform excavation at the site under the direction of Souder, Miller & Associates (SMA). Excavation was conducted between July 20 and July 27, 2020, following SMA's guidance. Additional areas were excavated based on SMA's delineation. However, no records of confirmation sampling or liner installation have been located. The site was fully excavated to the depths required by the SMA plan and field conditions; as a result, liner installation was determined to be unnecessary. Judah Oil was not aware at the time that confirmation sampling would be required prior to backfill and was directed to proceed with backfilling. The excavation was therefore completed without confirmation sampling or complete field documentation. Lea Land disposal tickets (Appendix F) show that 210 tons of impacted material were excavated and transported for disposal on July 27 and July 28, 2020. The site was backfilled using material hauled

from Judah Oil's Sandpoint Yard, located approximately 7 miles due north of the release site. The material consisted of surplus topsoil stockpiled during the original construction of the Sandpoint Yard pad, as confirmed through witness testimony from Blaise Campanella. As a result, the incident remained open.

2024 Delineation and Excavation by Rockstar Packing LLC

In early 2024, Judah Oil LLC engaged Pima Environmental Services as the environmental consultant to perform new delineation sampling to document current site conditions. No excavation activities were performed during this phase. Pima directed the delineation sampling, which was conducted using an anchor machine. OCD was notified of the planned sampling on March 5, 2024. Field sampling was performed on March 7, 2024. No OCD representative was present during the sampling activities. A copy of the OCD notification is included in Pima's closure report, which is provided in the Communications appendix of this report and as Appendix C of Pima's report. The SMA 2020 proposed sampling map, Pima 2024 sampling map, and results are included in Appendix C (Site Delineation and Sampling). The April 2024 closure report prepared by Pima did not fully explain the sequence of events and contributed to further confusion in the project record.

2025 Delineation Boring, NDVI Documentation, and Variance Preparation

Diamondback Disposal Services became involved in this incident as a reclamation contractor for the Ford State #001 wellsite location. During preparation for wellsite reclamation, it became necessary to resolve the outstanding closure requirements for the historical release in order to complete the overall reclamation task.

On February 17, 2025, Diamondback conducted an additional vertical delineation boring at SMA point S1. The sample, labeled SP3, was collected at 7 feet below ground surface. Prior to sampling, notification was sent to the New Mexico Oil Conservation Division (NMOCD) and the New Mexico State Land Office (NMSLO) on February 13, 2025. This sampling was performed after Diamondback and Judah Oil were advised during a meeting held on August 28, 2024, attended by representatives of the NMSLO, NMOCD, Diamondback, and Judah Oil, that a confirmation boring would allow the incident to be closed. It was later determined that additional unresolved issues existed in the project record, which led to the need for the present variance request. The laboratory results from this sample are included in Appendix G.

Diamondback also performed an NDVI analysis to evaluate vegetative recovery at the site. NDVI imagery was acquired on June 9, 2025 (Appendix D). Documentation of the NDVI results is provided

in Appendix D and further expanded upon in the Variance Request section of this report. Current site conditions show successful vegetative cover exceeding that of surrounding areas.

This report has been prepared to consolidate the full site record and to request variance approval under 19.15.29.14.B NMAC to close the incident without further unnecessary disturbance.

Current Site Conditions

Current site conditions have been evaluated through both field observations and NDVI (Normalized Difference Vegetation Index) analysis. Aerial imagery was acquired on June 9, 2025, using a DJI Mavic 3 Multispectral unmanned aerial system. NDVI processing and analysis documented vegetative cover at the subject area of 17.06 percent. The average vegetative cover of four surrounding undisturbed reference areas was calculated at 14.48 percent. The subject area thus achieves 117.82 percent of the average reference cover, exceeding the standard required under 19.15.29.13.D(3) NMAC:

"The division will consider reclamation of all disturbed areas complete when uniform vegetative cover has been established that reflects a life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds."

The full NDVI Determination report, supporting maps, and field photo documentation are provided in Appendix D. The site satisfies regulatory criteria for reclamation. A formal variance request is submitted with this report to resolve remaining documentation discrepancies and support final closure approval.

Variance Request

Judah Oil LLC respectfully requests a variance under 19.15.29.14 NMAC related to Incident ID nKMW1106735785. The site has undergone multiple phases of excavation and remediation beginning in 2011 and continuing through 2025. Historical records for portions of the work are incomplete, and confirmation sampling records are not available for all phases. It is acknowledged that the site has not been sampled in the preferred 200 square foot sidewall and floor pattern. However, all sampling data collected to date by multiple consultants has shown no remaining impacts exceeding closure criteria. The original sample summaries, site mapping, and georeferenced sampling figures are provided in Appendix C.

This report has been prepared to consolidate all known records, supported by witness testimony, disposal documentation, delineation sampling, NDVI analysis, and current site photography.

Judah Oil LLC addresses the applicable elements of 19.15.29.13 NMAC as follows:

- 19.15.29.13.A: The site has been returned to a condition consistent with surrounding land use. The site is located on State Land Office property, and current use remains consistent with historic grazing and native rangeland.
- 19.15.29.13.B: The site was recontoured during the 2020 remediation phase to provide stable grades and positive drainage. No areas of ponding or instability are present.

- 19.15.29.13.C: There are no active surface use agreements or conflicting surface development at this location. The reclamation condition satisfies State Land Office requirements.
- 19.15.29.13.D(3): Vegetative cover has been established that meets the requirements of this section. NDVI analysis confirms that vegetative cover at the subject area is 117.82 percent of the average reference cover. The full NDVI Determination report is provided in Appendix D.

Groundwater in the project area is classified under closure criteria for depths greater than 100 feet bgs, and no sensitive groundwater conditions exist at the site. Even in the unlikely event that minor residual impacts remain, they pose no threat to groundwater resources. Current site conditions meet reclamation standards under 19.15.29.13 NMAC in full. NDVI analysis and field observations confirm that the site supports a thriving vegetative community, with cover exceeding that of surrounding undisturbed areas. Re-excavating the site would serve no protective purpose and would in fact disrupt an obviously well-established and functioning ecosystem.

Judah Oil LLC has been the operator of record throughout the life of this incident. Judah Oil is not an environmental firm and has relied upon the expertise of multiple contracted environmental consultants to perform required site work and documentation. Unfortunately, past consultants have failed to properly document the work performed and have contributed to the complexity of this closure. Judah Oil LLC has acted in good faith at all times and has consistently made every effort to resolve the release in compliance with NMOCD regulations. Pursuant to 19.15.29.14.B NMAC, Judah Oil LLC submits this variance request and demonstrates that the objectives of 19.15.29 NMAC have been met through the alternative means presented herein.

Conclusion

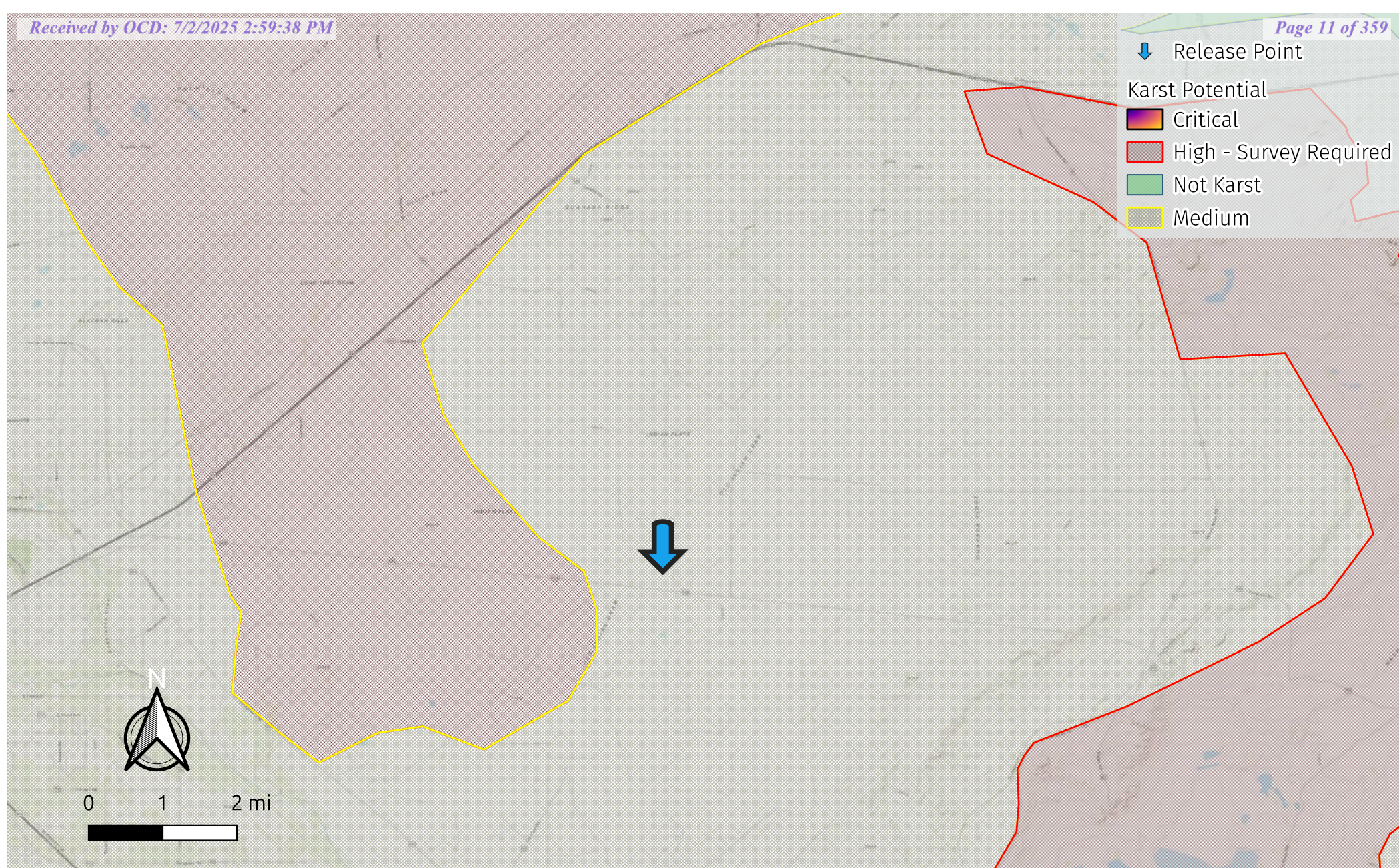
Remediation and reclamation activities at the Ford State #001 release, located in Unit C, Section 2, Township 22 South, Range 28 East, at coordinates 32.42672820, -104.05716678, have been completed through multiple phases of work from 2011 to 2024. The project addressed a release of crude oil and produced water originally reported on February 18, 2011. A total of 346 cubic yards of impacted material were removed in 2011, and 210 tons were removed in 2020. Historical documentation gaps remain, but all known records and supporting documentation have been provided in this report.

The site has been recontoured and reclaimed to match surrounding land use and drainage patterns. NDVI analysis and site observations confirm that current vegetative cover exceeds the standard required under 19.15.29.13.D(3) NMAC. There is no threat to groundwater or other environmental resources at this location. Judah Oil LLC has prepared this report in accordance with 19.15.29 NMAC to document the full site history.

Due to prior consultant failures and incomplete documentation, Judah Oil LLC requests that a variance under 19.15.29.14.B NMAC be approved. Re-excavation of the site would serve no protective purpose and would unnecessarily disrupt an already reclaimed and established ecosystem. Judah Oil LLC respectfully requests that the variance be granted and the release formally closed.

Appendix A

Site Characterization



JUDAH OIL LLC
FORD STATE #001 @ 30-015-22512
Incident #nKMW1106735785
32.4285774,-104.0585175 NAD83
NMSLO Lease #E42050002



Diamondback Disposal
Services, Inc
P.O. Box 2491
Hobbs, NM 88241
575-392-9996

National Flood Hazard Layer FIRMMette



104°3'45"W 32°25'53"N



0 250 500 1,000 1,500 2,000 Feet

1:6,000

104°3'8"W 32°25'23"N

Released to Imaging: 10/1/2025 10:43:35 AM

Basemap Imagery Source: USGS National Map 2023

Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

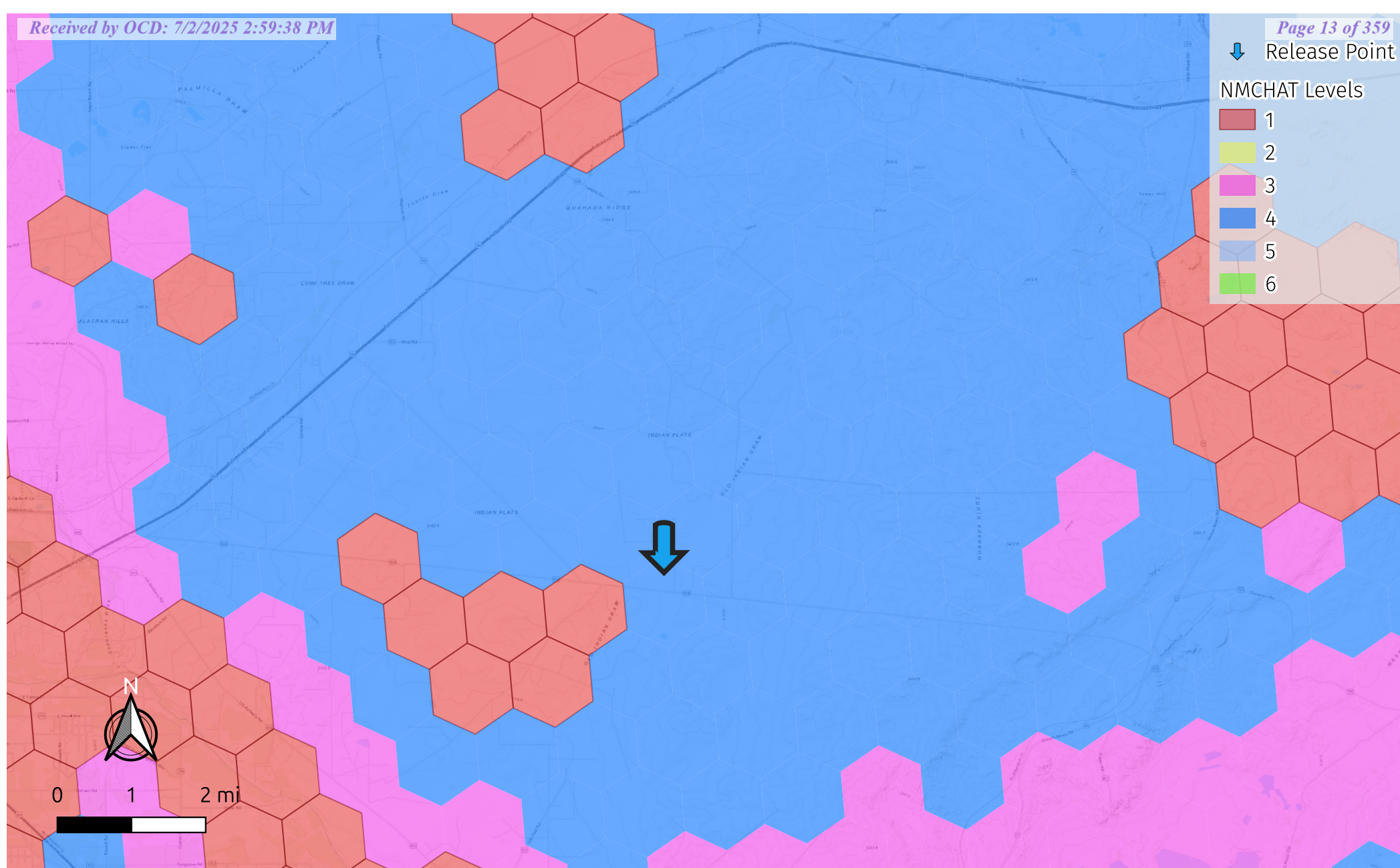
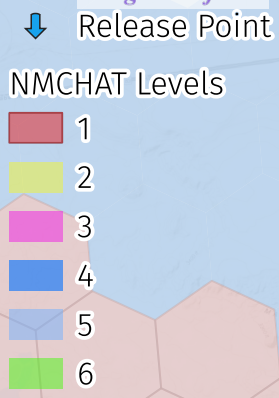


The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/20/2025 at 3:16 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

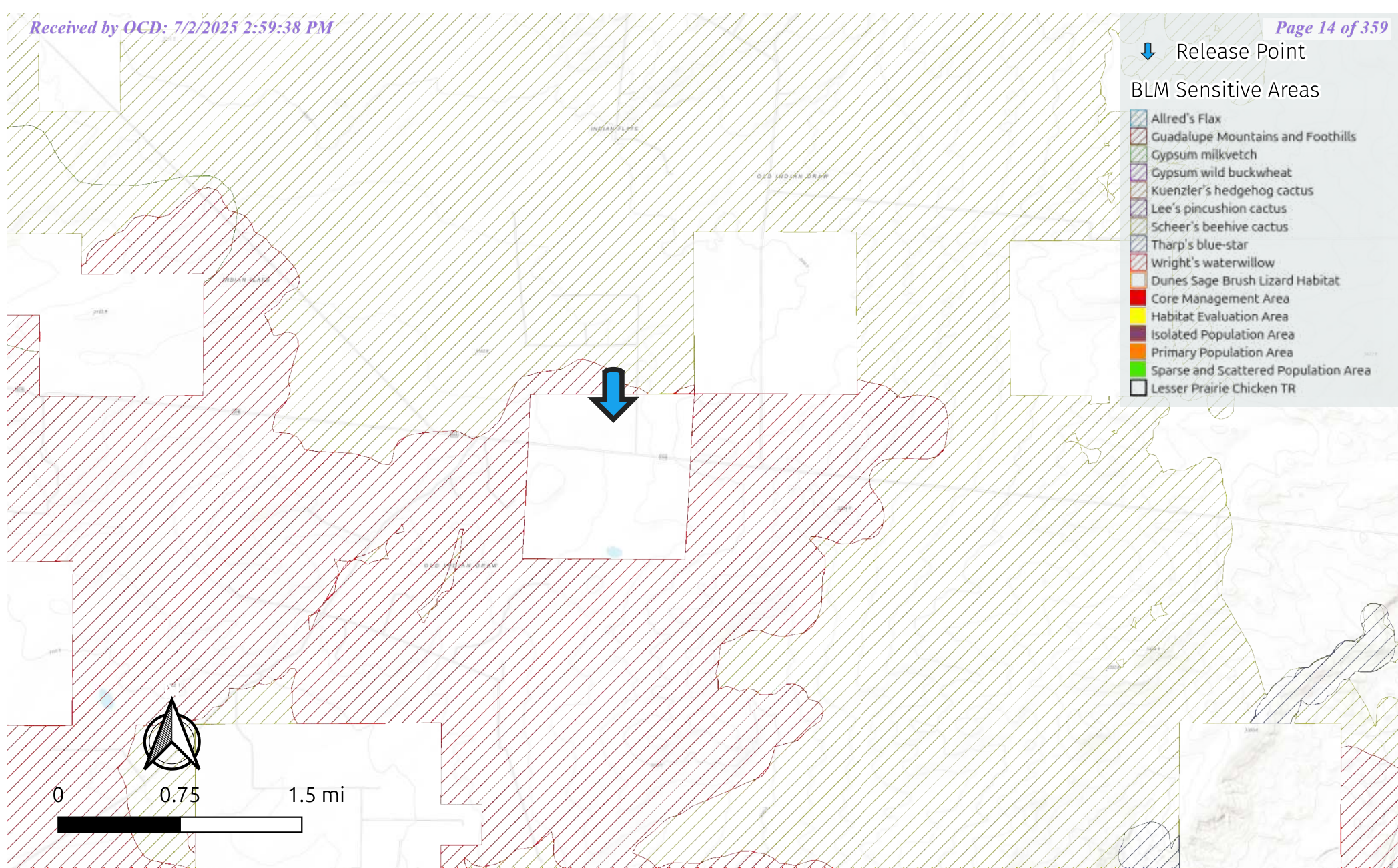


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United States Department of the Interior

FISH AND WILDLIFE SERVICE
New Mexico Ecological Services Field Office
2105 Osuna Road Ne
Albuquerque, NM 87113-1001
Phone: (505) 346-2525 Fax: (505) 346-2542



In Reply Refer To:
Project Code: 2025-0112051
Project Name: Ford State One Closure Reporting

06/20/2025 15:22:58 UTC

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

Thank you for your recent request for information on federally listed species and important wildlife habitats that may occur in your project area. The U.S. Fish and Wildlife Service (Service) has responsibility for certain species of New Mexico wildlife under the Endangered Species Act (ESA) of 1973 as amended (16 USC 1531 *et seq.*), the Migratory Bird Treaty Act as amended (16 USC 701-715), and the Bald and Golden Eagle Protection Act as amended (16 USC 668-668(c)). We are providing the following guidance to assist you in determining which federally imperiled species may or may not occur within your project area, and to recommend some conservation measures that can be included in your project design.

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the ESA of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the ESA, the accuracy of this species list should be verified after 90 days. The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the IPaC system by completing the same process used to receive the enclosed list.

The purpose of the ESA is to provide a means whereby threatened and endangered species and

the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the ESA and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (NEPA; 42 USC 4332(2) (c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at <https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.pdf>.

Candidate Species and Other Sensitive Species

A list of candidate and other sensitive species in your area is also attached. Candidate species and other sensitive species are species that have no legal protection under the ESA, although we recommend that candidate and other sensitive species be included in your surveys and considered for planning purposes. The Service monitors the status of these species. If significant declines occur, these species could potentially be listed. Therefore, actions that may contribute to their decline should be avoided.

Lists of sensitive species including State-listed endangered and threatened species are compiled by New Mexico State agencies. These lists, along with species information, can be found at the following websites.

Biota Information System of New Mexico (BISON-M): www.bison-m.org

New Mexico State Forestry. The New Mexico Endangered Plant Program:
<https://www.emnrd.nm.gov/sfd/rare-plants/>

New Mexico Rare Plant Technical Council, New Mexico Rare Plants: nmrareplants.unm.edu

Natural Heritage New Mexico, online species database: nhnm.unm.edu

WETLANDS AND FLOODPLAINS

Under Executive Orders 11988 and 11990, Federal agencies are required to minimize the destruction, loss, or degradation of wetlands and floodplains, and preserve and enhance their natural and beneficial values. These habitats should be conserved through avoidance, or mitigated to ensure that there would be no net loss of wetlands function and value.

We encourage you to use the National Wetland Inventory (NWI) maps in conjunction with ground-truthing to identify wetlands occurring in your project area. The Service's NWI program website, www.fws.gov/wetlands/Data/Mapper.html, integrates digital map data with other resource information. We also recommend you contact the U.S. Army Corps of Engineers for permitting requirements under section 404 of the Clean Water Act if your proposed action could impact floodplains or wetlands.

MIGRATORY BIRDS

In addition to responsibilities to protect threatened and endangered species under the ESA, there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the Service (50 CFR 10.12 and 16 USC 668(a)). For more information regarding these Acts, see <https://www.fws.gov/program/migratory-bird-permit/what-we-do>.

It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a Federal nexus) or a Bird/Eagle Conservation Plan (when there is no Federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures, see <https://www.fws.gov/library/collections/threats-birds>. We also recommend review of the Birds of Conservation Concern list (<https://www.fws.gov/media/birds-conservation-concern-2021>) to fully evaluate the effects to the birds at your site. This list identifies migratory and non-migratory bird species (beyond those already designated as federally threatened or endangered) that represent top conservation priorities for the Service, and are potentially threatened by disturbance, habitat impacts, or other project development activities.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 thereby provides additional protection for both migratory birds and migratory bird habitat. Please visit <https://www.fws.gov/partner/council-conservation-migratory-birds> for information regarding the implementation of Executive Order 13186.

We suggest you contact the New Mexico Department of Game and Fish, and the New Mexico

Project code: 2025-0112051

06/20/2025 15:22:58 UTC

Energy, Minerals, and Natural Resources Department, Forestry Division for information regarding State protected and at-risk species fish, wildlife, and plants.

For further consultation with the Service we recommend submitting inquiries or assessments electronically to our incoming email box at nmesfo@fws.gov, where it will be more promptly routed to the appropriate biologist for review.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List
- Bald & Golden Eagles
- Migratory Birds

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

New Mexico Ecological Services Field Office
2105 Osuna Road Ne
Albuquerque, NM 87113-1001
(505) 346-2525

Project code: 2025-0112051

06/20/2025 15:22:58 UTC

PROJECT SUMMARY

Project Code: 2025-0112051

Project Name: Ford State One Closure Reporting

Project Type: Spill Response

Project Description: This is a historical spill site from 2011 that was never closed. We intend to finalize closure. No work is needed just reporting.

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@32.42657435,-104.05677157496149,14z>



Counties: Eddy County, New Mexico

ENDANGERED SPECIES ACT SPECIES

There is a total of 7 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Project code: 2025-0112051

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BIRDS

NAME	STATUS
<p>Mexican Spotted Owl <i>Strix occidentalis lucida</i></p> <p>There is final critical habitat for this species. Your location does not overlap the critical habitat.</p> <p>Species profile: https://ecos.fws.gov/ecp/species/8196</p>	Threatened
<p>Northern Aplomado Falcon <i>Falco femoralis septentrionalis</i></p> <p>Population: U.S.A (AZ, NM)</p> <p>No critical habitat has been designated for this species.</p> <p>Species profile: https://ecos.fws.gov/ecp/species/1923</p>	Experimental Population, Non- Essential
<p>Piping Plover <i>Charadrius melodus</i></p> <p>Population: [Atlantic Coast and Northern Great Plains populations] - Wherever found, except those areas where listed as endangered.</p> <p>There is final critical habitat for this species. Your location does not overlap the critical habitat.</p> <p>Species profile: https://ecos.fws.gov/ecp/species/6039</p>	Threatened

CLAMS

NAME	STATUS
<p>Texas Hornshell <i>Popenaias popeii</i></p> <p>There is proposed critical habitat for this species. Your location does not overlap the critical habitat.</p> <p>Species profile: https://ecos.fws.gov/ecp/species/919</p>	Endangered

INSECTS

NAME	STATUS
<p>Monarch Butterfly <i>Danaus plexippus</i></p> <p>There is proposed critical habitat for this species. Your location does not overlap the critical habitat.</p> <p>Species profile: https://ecos.fws.gov/ecp/species/9743</p>	Proposed Threatened

FLOWERING PLANTS

NAME	STATUS
<p>Lee Pincushion Cactus <i>Coryphantha sneedii</i> var. <i>leei</i></p> <p>No critical habitat has been designated for this species.</p> <p>Species profile: https://ecos.fws.gov/ecp/species/2504</p>	Threatened
<p>Sneed Pincushion Cactus <i>Coryphantha sneedii</i> var. <i>sneedii</i></p> <p>No critical habitat has been designated for this species.</p> <p>Species profile: https://ecos.fws.gov/ecp/species/4706</p>	Endangered

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

BALD & GOLDEN EAGLES

Bald and Golden Eagles are protected under the Bald and Golden Eagle Protection Act ² and the Migratory Bird Treaty Act (MBTA) ¹. Any person or organization who plans or conducts activities that may result in impacts to Bald or Golden Eagles, or their habitats, should follow appropriate regulations and consider implementing appropriate avoidance and minimization measures, as described in the various links on this page.

-
1. The [Bald and Golden Eagle Protection Act](#) of 1940.
 2. The [Migratory Birds Treaty Act](#) of 1918.
 3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

There are Bald Eagles and/or Golden Eagles in your [project](#) area.

Measures for Proactively Minimizing Eagle Impacts

For information on how to best avoid and minimize disturbance to nesting bald eagles, please review the [National Bald Eagle Management Guidelines](#). You may employ the timing and activity-specific distance recommendations in this document when designing your project/activity to avoid and minimize eagle impacts. For bald eagle information specific to Alaska, please refer to [Bald Eagle Nesting and Sensitivity to Human Activity](#).

The FWS does not currently have guidelines for avoiding and minimizing disturbance to nesting Golden Eagles. For site-specific recommendations regarding nesting Golden Eagles, please consult with the appropriate Regional [Migratory Bird Office](#) or [Ecological Services Field Office](#).

If disturbance or take of eagles cannot be avoided, an [incidental take permit](#) may be available to authorize any take that results from, but is not the purpose of, an otherwise lawful activity. For assistance making this determination for Bald Eagles, visit the [Do I Need A Permit Tool](#). For assistance making this determination for golden eagles, please consult with the appropriate Regional [Migratory Bird Office](#) or [Ecological Services Field Office](#).

Ensure Your Eagle List is Accurate and Complete

If your project area is in a poorly surveyed area in IPaC, your list may not be complete and you may need to rely on other resources to determine what species may be present (e.g. your local FWS field office, state surveys, your own surveys). Please review the [Supplemental Information on Migratory Birds and Eagles](#), to help you properly interpret the report for your specified location, including determining if there is sufficient data to ensure your list is accurate.

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to bald or golden eagles on your list, see the "Probability of Presence Summary" below to see when these bald or golden eagles are most likely to be present and breeding in your project area.

Project code: 2025-0112051

06/20/2025 15:22:58 UTC

NAME	BREEDING SEASON
Bald Eagle <i>Haliaeetus leucocephalus</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1626	Breeds Oct 15 to Jul 31

PROBABILITY OF PRESENCE SUMMARY

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read ["Supplemental Information on Migratory Birds and Eagles"](#), specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Green bars; the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during that week of the year.

Breeding Season (■)

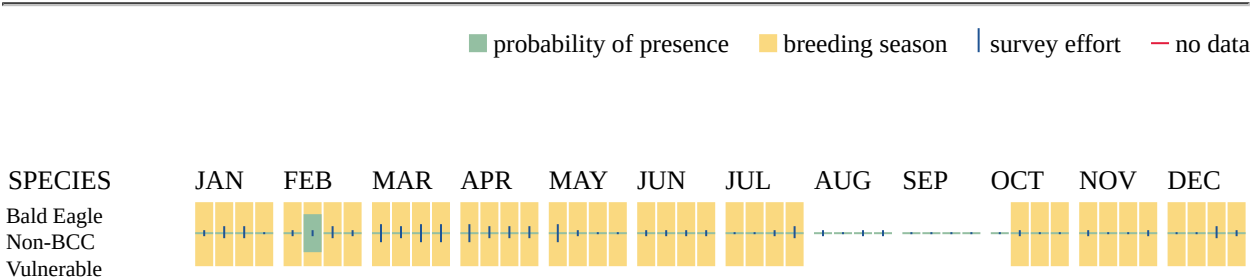
Yellow bars; liberal estimate of the timeframe inside which the bird breeds across its entire range.

Survey Effort (|)

Vertical black lines; the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

No Data (—)

A week is marked as having no data if there were no survey events for that week.



Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds>

- Nationwide avoidance and minimization measures for birds <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>
- Supplemental Information for Migratory Birds and Eagles in IPaC <https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>

MIGRATORY BIRDS

The Migratory Bird Treaty Act (MBTA) ¹ prohibits the take (including killing, capturing, selling, trading, and transport) of protected migratory bird species without prior authorization by the Department of Interior U.S. Fish and Wildlife Service (Service).

-
1. The [Migratory Birds Treaty Act](#) of 1918.
 2. The [Bald and Golden Eagle Protection Act](#) of 1940.
 3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, see the "Probability of Presence Summary" below to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
Bald Eagle <i>Haliaeetus leucocephalus</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1626	Breeds Oct 15 to Jul 31
Cactus Wren <i>Campylorhynchus brunneicapillus guttatus</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/8834	Breeds Mar 5 to Sep 30
Cassin's Sparrow <i>Peucaea cassinii</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/9512	Breeds Aug 1 to Oct 10
Chestnut-collared Longspur <i>Calcarius ornatus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9437	Breeds elsewhere

Project code: 2025-0112051

06/20/2025 15:22:58 UTC

NAME	BREEDING SEASON
Clark's Grebe <i>Aechmophorus clarkii</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/10575	Breeds Jun 1 to Aug 31
Eastern Meadowlark <i>Sturnella magna</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/9455	Breeds Apr 25 to Aug 31
Ferruginous Hawk <i>Buteo regalis</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/6038	Breeds Mar 15 to Aug 15
Henry's Common Nighthawk <i>Chordeiles minor henryi</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/11979	Breeds May 21 to Aug 25
Long-billed Curlew <i>Numenius americanus</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/5511	Breeds elsewhere
Scott's Oriole <i>Icterus parisorum</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/11968	Breeds May 21 to Aug 15

PROBABILITY OF PRESENCE SUMMARY

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read "[Supplemental Information on Migratory Birds and Eagles](#)", specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Green bars; the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during that week of the year.

Breeding Season (■)

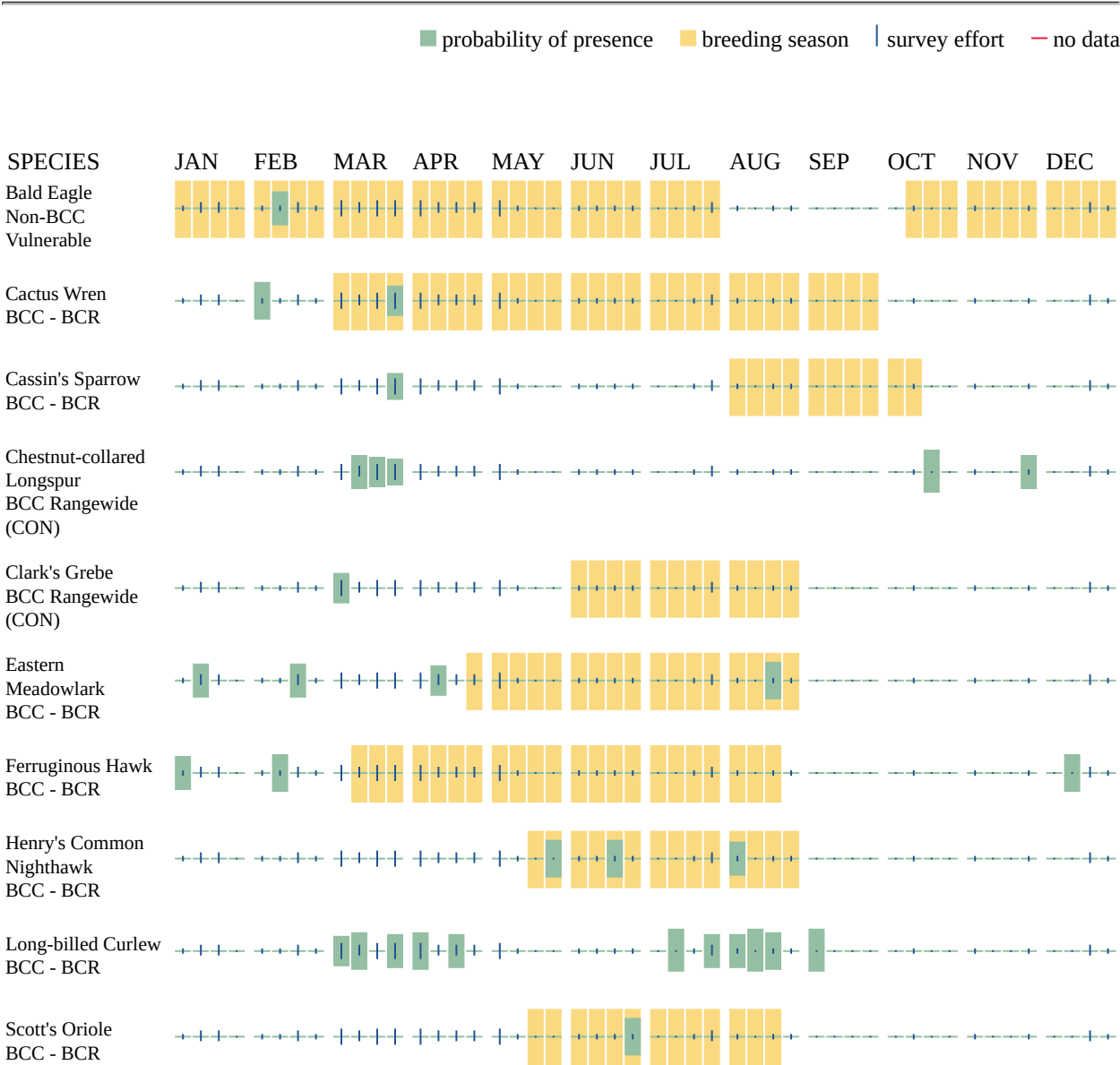
Yellow bars; liberal estimate of the timeframe inside which the bird breeds across its entire range.

Survey Effort (|)

Vertical black lines; the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

No Data (—)

A week is marked as having no data if there were no survey events for that week.



Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds>
- Nationwide avoidance and minimization measures for birds

Project code: 2025-0112051

06/20/2025 15:22:58 UTC

- Supplemental Information for Migratory Birds and Eagles in IPaC <https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>

Project code: 2025-0112051

06/20/2025 15:22:58 UTC

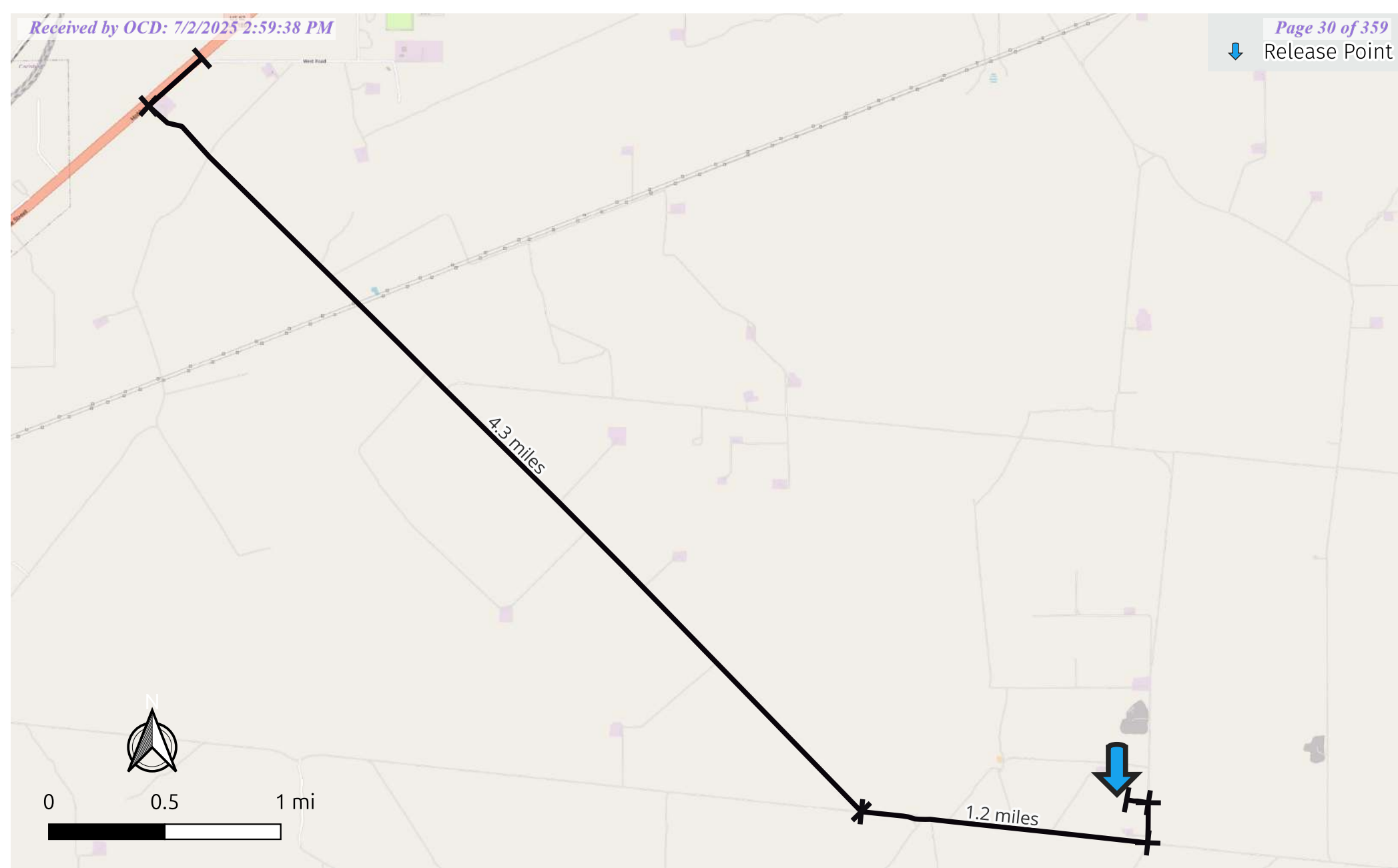
IPAC USER CONTACT INFORMATION

Agency: Private Entity
Name: Jason Owsley
Address: 2525 NW County Road
City: Hobbs
State: NM
Zip: 88240
Email: jasono@diamondbacknm.com
Phone: 5756025998

Appendix B

Depth to Groundwater

Topographical Information



JUDAH OIL LLC
FORD STATE #001 @ 30-015-22512
Incident #nKMW1106735785
32.4285774,-104.0585175 NAD83
NMSLO Lease #E42050002

Released to Imaging: 10/1/2025 10:43:35 AM



Diamondback Disposal
Services, Inc
P.O. Box 2491
Hobbs, NM 88241
575-392-9996

OSE Points of Diversion By Depth

- No Depth Reported
- ● < 50ft BGS
- ● 50 to 99ft BGS
- ● >100ft BGS



CP-00631

CP-02044-POD1

CP-01118-POD1

CP-01171-POD3

CP-01171-POD2

CP-00542

C-02005

Freshwater Emergent Wetland

Freshwater Emergent Wetland

Freshwater Emergent-Wetland

Freshwater Emergent Wetland

Freshwater Emergent Wetland

Freshwater Emergent Wetland

Freshwater Pond

Freshwater Pond

JUDAH OIL LLC

FORD STATE #001 @ 30-015-22512

Incident #nKMW1106735785

32.4285774,-104.0585175 NAD83

NMSLO Lease #E42050002

Released to Imaging: 10/1/2025 10:43:35 AM



Diamondback Disposal

Services, Inc

P.O. Box 2491

Hobbs, NM 88241

575-392-9996



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

STATE ENGINEER OFFICE
ROSWEIL

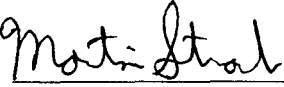
2013 JUN 10 P 1:20

1. GENERAL AND WELL LOCATION	OSE POD NUMBER (WELL NUMBER) (POD2) INDIAN FLATS BASS FED SWD SB-9				OSE FILE NUMBER(S) CP 01171			
	WELL OWNER NAME(S) BOPCO OPERATING CO				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 6 DESTA DRIVE, SUITE 3700, P.O. BOX 2760				CITY MIDLAND		STATE TX	ZIP 79702
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 26	SECONDS 02 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND			
	LONGITUDE 104	03	17 W	* DATUM REQUIRED: WGS 84				
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE 62/140 & MM 43 GO 4.3 MI VEER L & GO E 1.2 MI TURN L GO N TURN INTO SITE. SEC 35, TWP 21S, RANGE 28 E.								
2. DRILLING & CASING INFORMATION	LICENSE NUMBER WD1478		NAME OF LICENSED DRILLER MARTIN STRAUB			NAME OF WELL DRILLING COMPANY STRAUB CORPORATION		
	DRILLING STARTED 5-31-13	DRILLING ENDED 5-31-13	DEPTH OF COMPLETED WELL (FT) 0	BORE HOLE DEPTH (FT) 110'	DEPTH WATER FIRST ENCOUNTERED (FT) N/A			
	COMPLETED WELL IS: <input type="radio"/> ARTESIAN <input type="radio"/> DRY HOLE <input checked="" type="radio"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A			
	DRILLING FLUID: <input checked="" type="radio"/> AIR <input type="radio"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="radio"/> ROTARY <input type="radio"/> HAMMER <input type="radio"/> CABLE TOOL <input type="radio"/> OTHER - SPECIFY							
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	110'	5"	N/A	N/A	N/A	N/A	N/A
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
	0	2'	5"	.5 OF CONCRETE		TOPLoad		
	2'	110'	5"	23 BAGS OF 3/8 HOLEPLUG		TOPLoad		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/08/2012)

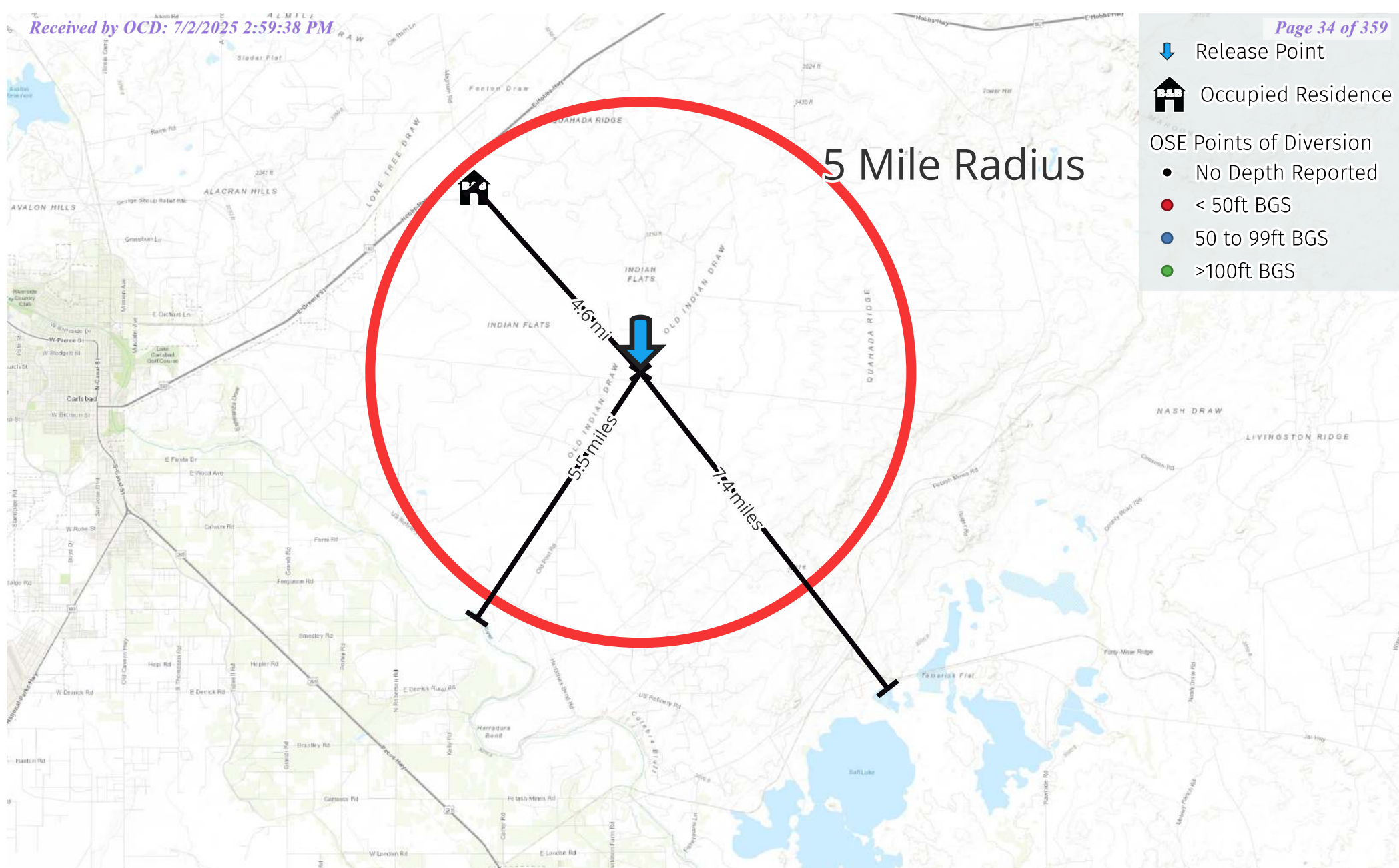
FILE NUMBER	CP-1171	POD NUMBER	2	TRN NUMBER	527952
LOCATION	Exp1	21S.28E.35. 41			PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	3'	3'	TAN FINE SAND - CALICHE - SANDSTONE	<input type="radio"/> Y <input checked="" type="radio"/> N	N/A
	3'	11'	8'	TAN FINE SAND - CEMENT SANTSTONE	<input type="radio"/> Y <input checked="" type="radio"/> N	N/A
	11'	17'	6'	TAN FINE SAND - CALICHE SANDSTONE (DENSE)	<input type="radio"/> Y <input checked="" type="radio"/> N	N/A
	17'	29'	12'	RED VERY FINE SAND - SANDSTONE - GRAVEL	<input type="radio"/> Y <input checked="" type="radio"/> N	N/A
	29'	51'	22'	RED VERY FINE SAND - P-GRAVEL	<input type="radio"/> Y <input checked="" type="radio"/> N	N/A
	51'	55'	4'	RED VERY FINE SAND - WITH CLAY	<input type="radio"/> Y <input checked="" type="radio"/> N	N/A
	55'	63'	9'	RED SILTY SAND - SILTY CLAY	<input type="radio"/> Y <input checked="" type="radio"/> N	N/A
	63'	66'	3'	RED FINE SAND - P GRAVEL	<input type="radio"/> Y <input checked="" type="radio"/> N	N/A
	66'	71'	5'	RED SILTY SAND - SILTY CLAY	<input type="radio"/> Y <input checked="" type="radio"/> N	N/A
	71'	80'	9'	RED SILTY CLAY	<input type="radio"/> Y <input checked="" type="radio"/> N	N/A
	80'	92'	12'	TAN SILTY SAND - CLAY	<input type="radio"/> Y <input checked="" type="radio"/> N	N/A
	92'	94'	2'	RED VERY FINE SAND - SANDSTONE	<input type="radio"/> Y <input checked="" type="radio"/> N	N/A
	94'	97'	3'	TAN SILTY SAND - SILTY CLAY	<input type="radio"/> Y <input checked="" type="radio"/> N	N/A
	97'	102'	5'	TAN FINE SAND - TINY P GRAVEL - SANDSTONE	<input type="radio"/> Y <input checked="" type="radio"/> N	N/A
	102'	110'	8'	RED SILTY SAND - SILTY CLAY	<input type="radio"/> Y <input checked="" type="radio"/> N	N/A
	TD	110'			<input type="radio"/> Y <input type="radio"/> N	
					<input type="radio"/> Y <input type="radio"/> N	
					<input type="radio"/> Y <input type="radio"/> N	
					<input type="radio"/> Y <input type="radio"/> N	
					<input type="radio"/> Y <input type="radio"/> N	
					<input type="radio"/> Y <input type="radio"/> N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="radio"/> PUMP					TOTAL ESTIMATED	
<input type="radio"/> AIR LIFT <input type="radio"/> BAILER <input type="radio"/> OTHER - SPECIFY:					WELL YIELD (gpm):	
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.				
	MISCELLANEOUS INFORMATION:					
	SOIL BORING ONLY - SOIL BORING WAS PLUGGED AND ABANDONED UPON COMPLETION OF SAMPLING. EDDY COUNTY, NM. EDWARD BRYAN (DRILLING RIG SUPERVISOR)					
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:						
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 20 DAYS AFTER COMPLETION OF WELL DRILLING:					
	 MARTIN STRACH					6-6-13
	SIGNATURE OF DRILLER / PRINT SIGNEE NAME					DATE

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/08/2012)

FILE NUMBER	POD NUMBER	TRN NUMBER
LOCATION		PAGE 2 OF 2



JUDAH OIL LLC
 FORD STATE #001 @ 30-015-22512
 Incident #nKMW1106735785
 32.4285774,-104.0585175 NAD83
 NMSLO Lease #E42050002




Diamondback Disposal
 Services, Inc
 P.O. Box 2491
 Hobbs, NM 88241
 575-392-9996

Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE
quarters are smallest to largest

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
2214C	CP 01710 POD2	NW	SW	SE	17	21S	28E	583971.3	3593509.7	

* UTM location was derived from PLSS - see Help

Driller License:	1708	Driller Company:	RYAN'S WATER SERVICE LLC		
Driller Name:	AINSWORTH, RYAN				
Drill Start Date:	2018-09-18	Drill Finish Date:	2018-09-19	Plug Date:	
Log File Date:	2019-01-23	PCW Rcv Date:		Source:	Shallow
Pump Type:		Pipe Discharge Size:		Estimated Yield:	25
Casing Size:	5.75	Depth Well:	160	Depth Water:	149

Water Bearing Stratifications:

Top	Bottom	Description
149	155	Sandstone/Gravel/Conglomerate

Casing Perforations:

Top	Bottom
0	160

Meter Information

Meter Number:	17760	Meter Make:	RECORD ALL
Meter Serial Number:	18058164	Meter Multiplier:	100.0000
Number of Dials:	6	Meter Type:	Diversion
Unit of Measure:	Gallons	Reading Frequency:	Quarterly

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.

Appendix C

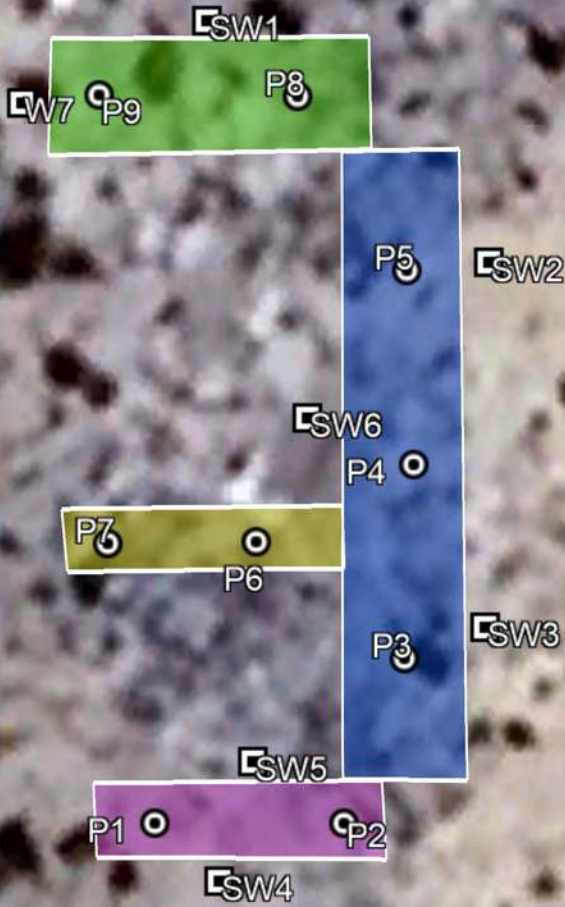
Site Delineation Mapping and Summary Report

Ford State #001

Judah Oil
API#:30-015-22512
Eddy County, NM
Confirmation Map

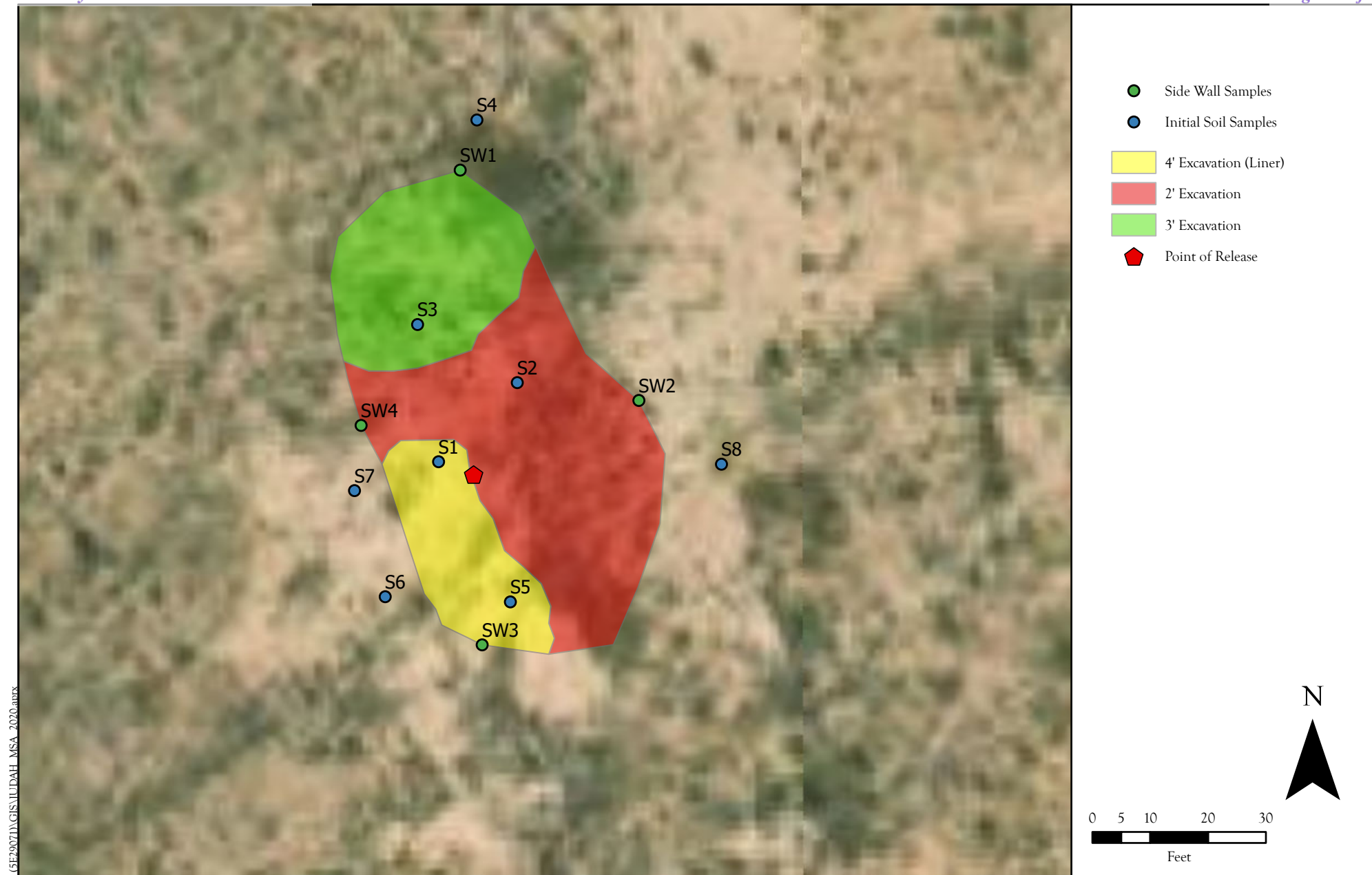
Legend

- 1.5' Excavated Area
- 2.5' Excavated Area
- 5' Excavated Area
- 6.5' Excavated Area
- Base Sample
- Side Wall Sample



NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')								
Judah Oil LLC - Ford State #001								
Sample Date: 3/7/2024		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	CI mg/kg
P1	2'	ND	ND	ND	ND	ND	ND	ND
	6'	ND	ND	ND	ND	ND	ND	ND
P2	2'	ND	ND	ND	ND	ND	ND	ND
	6'	ND	ND	ND	ND	ND	ND	ND
P3	2'	ND	ND	ND	ND	ND	ND	ND
	6'	ND	ND	ND	ND	ND	ND	ND
P4	2'	ND	ND	ND	ND	ND	ND	ND
	6'	ND	ND	ND	ND	ND	ND	ND
P5	2'	ND	ND	ND	ND	ND	ND	ND
	6'	ND	ND	ND	ND	ND	ND	ND
P6	2'	ND	ND	ND	ND	ND	ND	ND
	6'	ND	ND	ND	ND	ND	ND	ND
P7	2'	ND	ND	ND	ND	ND	ND	ND
	6'	ND	ND	ND	ND	ND	ND	ND
P8	2'	ND	ND	ND	ND	ND	ND	ND
	6'	ND	ND	ND	ND	ND	ND	ND
P9	2'	ND	ND	ND	ND	ND	ND	ND
	6'	ND	ND	ND	ND	ND	ND	ND
SW1	Surface	ND	ND	ND	ND	ND	ND	ND
SW2	Surface	ND	ND	ND	ND	ND	ND	ND
SW3	Surface	ND	ND	ND	ND	ND	ND	ND
SW4	Surface	ND	ND	ND	ND	ND	ND	ND
SW5	Surface	ND	ND	ND	ND	ND	ND	ND
SW6	Surface	ND	ND	ND	ND	ND	ND	ND
SW7	Surface	ND	ND	ND	ND	ND	ND	ND





Site and Sample Location Map
 Ford State #001- Judah Oil
 S2- T22S- R28E Eddy County, New Mexico

Figure 3

P:\51 Judah 2020 MSA On Call Services (SEP2020)\GIS\JUDAH MSA 2020.auxx
 Date Saved:
 7/2/2020

Revisions		
By: _____	Date: _____	Descr: _____
By: _____	Date: _____	Descr: _____

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Drawn	Sebastian Orozco
Date	7/2/2020
Checked	_____
Approved	_____



201 South Halaguena Street
 Carlsbad, New Mexico 88221
 (575) 689-7040
 Serving the Southwest & Rocky Mountains

Table 3:
Summary of Sample Results

Judah Oil
Ford State #1 (RP#)

Sample ID	Sample Date	Depth (feet bgs)	Proposed Action/ Action Taken	BTEX mg/Kg	Benzene mg/Kg	GRO mg/Kg	DRO mg/Kg	MRO mg/Kg	Total TPH mg/Kg	Cl- mg/Kg
NMOCD Reclamation Requirements (0-4 ft)				50	10	1,000			100	600
NMOCD Closure Criteria (>4ft)				50	10	1,000			2,500	20,000
S1	4/8/2020	2	excavate	16.08	<0.12	490	5,800	2,300	8,590	330
		4	excavate	-	-	110	1,500	590	2,200	-
		6	excavate	-	-	<4.9	280	150	430	-
		11	excavate	-	-	<4.9	51	<47	51	-
S2	2/28/2020	1	excavate	<1.08	<0.12	<24	3000	3200	6200	130
		2	in- situ	<0.224	<0.025	<5.0	<9.1	<46	<60.1	250
		4	in- situ	-	-	<5.0	<9.5	<48	<62.5	-
		5	in- situ	-	-	<4.9	<9.7	<49	<63.6	-
S3	4/8/2020	2	excavate	<0.222	<0.025	<4.9	65	170	235	<60
		3	in- situ	-	-	<5.0	25	59	84	-
		4	in- situ	-	-	<5.0	10	<47	10	-
S4	2/28/2020	1	in- situ	<0.207	<0.023	<4.6	<9.6	<48	<62.2	<60
S5	2/28/2020	1	excavate	<1.08	<0.12	<24	69	200	269	200
	4/8/2020	2	excavate	2.15	<0.20	100	2,400	1,300	2,800	390
		3	excavate	-	-	52	1,300	790	2,142	-
		4	excavate	-	-	30	730	480	1,240	-
	6/15/2020	5	in- situ	<0.217	<0.024	<4.8	<9.1	<46	<60	<60
S6	4/8/2020	1	in- situ	<0.224	<0.025	<5.0	<10	<50	<65.0	190
		2	in- situ	<0.224	<0.025	<5.0	<9.5	<48	<62.5	220
		4	in- situ	-	-	<4.9	<9.8	<49	<63.7	-
S7	4/8/2020	1	in- situ	<0.221	<0.025	<4.9	23	<47	23	110
		2	in- situ	<0.224	<0.025	<5.0	<9.8	<49	<63.8	100
		4	in- situ	-	-	<4.9	11	<48	11	-
S8	2/28/2020	1	in- situ	<0.216	<0.024	<4.8	<9.8	<49	<63.6	140
SW1	4/8/2020	surface	in- situ	<0.222	<0.025	<4.9	<8.9	<45	<58.8	<60
SW2	4/8/2020	surface	in- situ	<0.222	<0.025	<4.9	<9.7	<48	<62.6	<60
SW3	4/8/2020	surface	in- situ	<1.11	<0.12	<25	<9.4	<47	<81.4	150
SW4	4/8/2020	surface	in- situ	<1.12	<0.12	<25	<9.0	<45	<79	<60

"-" = Not Analyzed

Appendix D Site Photography And Field Notes

- Vegetation Photos
- Pima Photography from Reopened Closure

Figure 4

Figure 9

Figure 5

Figure 3

Figure 2

Figure 8

Figure 6

Figure 7

Figure 1

P9

P5

P7

P6

P3

P1

P2



0 25 50 ft

JUDAH OIL LLC
FORD STATE #001 @ 30-015-22512
Incident #nKMW1106735785
32.4285774,-104.0585175 NAD83
NMSLO Lease #E42050002

Released to Imaging: 10/1/2025 10:43:35 AM



Diamondback Disposal
Services, Inc
P.O. Box 2491
Hobbs, NM 88241
575-392-9996

NKMW1106735785 FORD STATE #001 @ 30-015-22512

Current Vegetation on subject site as of 6-9-25



Figure 1

Figure 2

Figure 3



Figure 4

Figure 5

Figure 6



Figure 7

Figure 8

Figure 9



JUDAH OIL
FORD STATE #1
SITE PHOTOGRAPHS

Assessment-





Vegetative Cover Determination

This determination supports the variance request for closure of Incident ID nKMW1106735785, related to a historical release at the Judah Oil LLC Ford State #001 well (API No. 30-015-22512), located in Unit Letter C, Section 2, Township 22 South, Range 28 East, 330 feet from the North line and 2310 feet from the West line, Eddy County, New Mexico (State Lease No. E4205). The surface owner is the State of New Mexico.

The release involved hydrocarbons and produced water, originally reported on February 18, 2011. Remediation was performed in accordance with 19.15.29 NMAC and applicable guidance. This determination evaluates whether post-remediation vegetative conditions meet the criteria set forth in 19.15.29.13.D(3) NMAC:

(3) The division will consider reclamation of all disturbed areas complete when uniform vegetative cover has been established that reflects a life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds.

To support this variance request, a vegetation analysis was conducted using drone-based multispectral imagery collected on June 9, 2025. NDVI (Normalized Difference Vegetation Index) was calculated using the formula:

$$\text{NDVI} = (\text{NIR} - \text{Red}) / (\text{NIR} + \text{Red})$$

where NIR = 860 ± 26 nm and Red = 650 ± 16 nm.

The NDVI analysis was performed by Diamondback Disposal Services and used to quantify live vegetative cover across the subject site and four adjacent reference areas.

Aerial imagery was acquired on June 9, 2025, using a DJI Mavic 3 Multispectral (M3M) unmanned aerial system. The multispectral camera collects data in the following spectral bands:

Green: 560 ± 16 nm Red: 650 ± 16 nm Red Edge: 730 ± 16 nm Near-Infrared (NIR): 860 ± 26 nm

The imagery was processed to generate a high-resolution NDVI raster of the site and four surrounding reference areas. The NDVI raster was classified into binary form, with pixels below 0.31 considered non-vegetated and pixels at or above 0.31 considered vegetated. Area calculations were performed for each 10,000 square foot area.

The resulting vegetative cover percentages were:

- Reference Area 1: 11.89%
- Reference Area 2: 20.71% (highest vegetated cover)
- Reference Area 3: 7.06%
- Reference Area 4: 18.25%
- Subject Area: 17.06%

The average reference vegetative cover was calculated as:

$$(11.89 + 20.71 + 7.06 + 18.25) \div 4 = 14.48\%$$

Comparative compliance results:

- Subject area vegetative cover is 82.38% of the most vegetated reference area (20.71%)
- Subject area vegetative cover is 117.82% of the average reference cover (14.48%)

Vegetative Life-Form Ratio Determination

To further support closure in accordance with **19.15.29.13.D(3) NMAC**, the life-form ratio of grass to shrub cover was also evaluated.

NDWI Calculation

The NDWI (Normalized Difference Water Index) layer was generated from the same June 9, 2025 multispectral dataset used for the NDVI analysis. NDWI was calculated using the formula:

$$\text{NDWI} = (\text{Green} - \text{NIR}) / (\text{Green} + \text{NIR})$$

Where: Green band = 560 ± 16 nm and NIR band = 860 ± 26 nm

This raster was used in conjunction with NDVI to distinguish vegetation life forms based on canopy moisture content. NDWI values were used to separate grasses (moist, herbaceous vegetation) from shrubs (drier, woody vegetation) using the threshold **NDWI ≥ -0.45** .

Life-Form Classification

Vegetation was classified into three categories:

Vegetation was classified using the following thresholds:

- Class 0 = Bare Ground (NDVI < 0.31)
- Class 1 = Grass (NDVI ≥ 0.31 and NDWI ≥ -0.45) -
- Class 2 = Shrub (NDVI ≥ 0.31 and NDWI < -0.45)

Life-form ratios (grass percent divided by shrub percent) for each of the four reference areas were:

- Reference Area 1: 38.0%
- Reference Area 2: 23.0%
- Reference Area 3: 27.0%
- Reference Area 4: 62.0%

The average grass-to-shrub ratio across reference areas was 37.5%. The required compliance range is $\pm 50\%$ of this value: 18.75% to 56.25%.

The subject area grass-to-shrub ratio was calculated at 46.0%, which falls within the required range.

Conclusion

Based on NDVI analysis and life-form classification, the subject area exceeds the 70% vegetative cover requirement and falls within the required $\pm 50\%$ life-form ratio range. The site meets the vegetative performance standards for final closure under 19.15.29.13.D(3) NMAC.

2 = Vegetation, 1 = Other



10002 sqft
Reference Area 2

10002 sqft
Reference Area 1

10002 sqft
Subject Area

10002 sqft
Reference Area 3

10002 sqft
Reference Area 4



0 50 100 ft

JUDAH OIL LLC
FORD STATE #001 @ 30-015-22512
Incident #nKMW1106735785
32.4285774,-104.0585175 NAD83
NMSLO Lease #E42050002

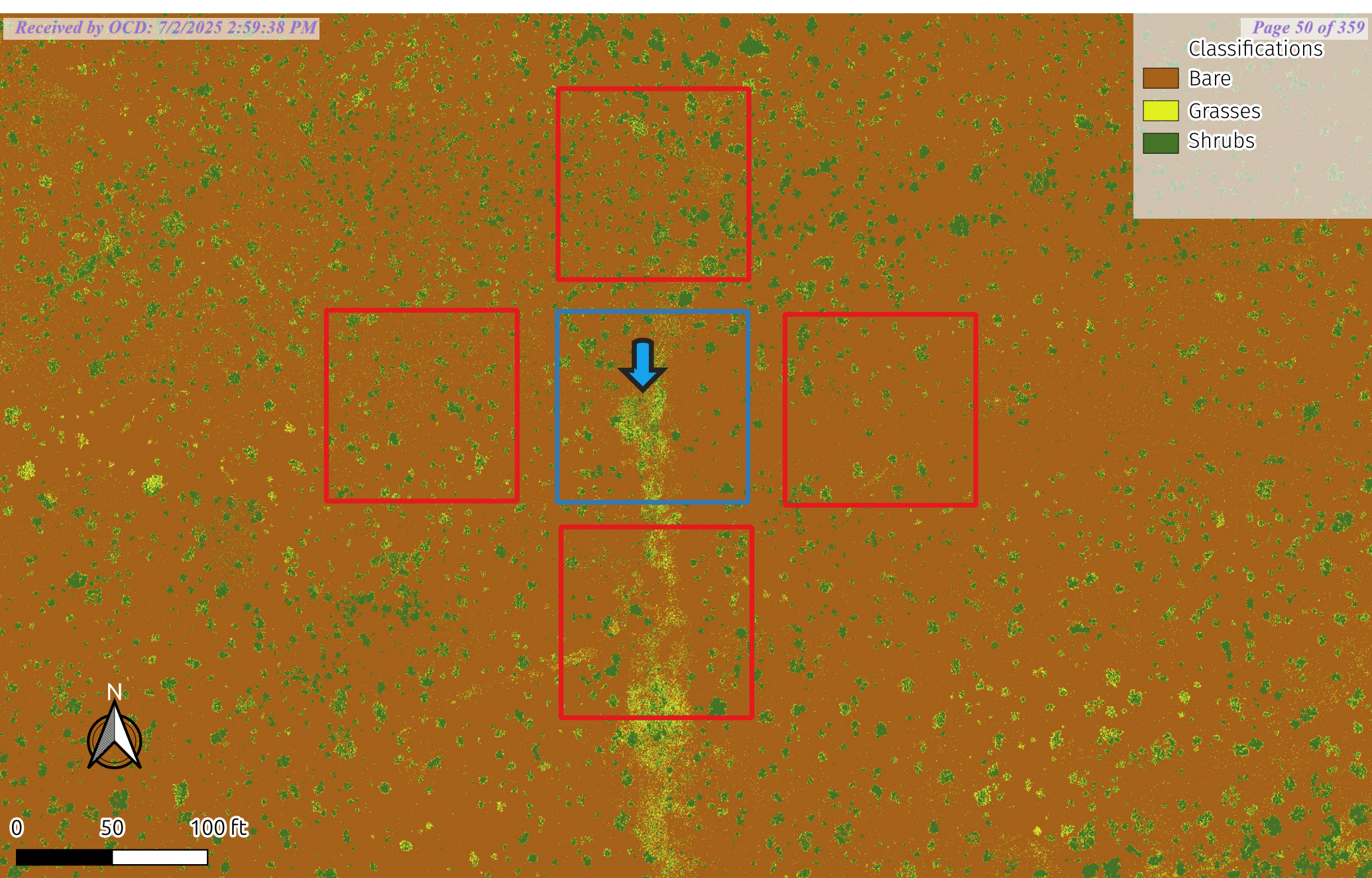
Released to Imaging: 10/1/2025 10:43:35 AM



Diamondback Disposal
Services, Inc
P.O. Box 2491
Hobbs, NM 88241
575-392-9996

Classifications

- Bare
- Grasses
- Shrubs



JUDAH OIL LLC
FORD STATE #001 @ 30-015-22512
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32.4285774,-104.0585175 NAD83
NMSLO Lease #E42050002

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Diamondback Disposal
Services, Inc
P.O. Box 2491
Hobbs, NM 88241
575-392-9996

Vegetation > 0.31



10002 sqft
Reference Area 2

10002 sqft
Reference Area 1

10002 sqft
Subject Area

10002 sqft
Reference Area 3

10002 sqft
Reference Area 4



0 50 100 ft



JUDAH OIL LLC
FORD STATE #001 @ 30-015-22512
Incident #nKMW1106735785
32.4285774,-104.0585175 NAD83
NMSLO Lease #E42050002

Released to Imaging: 10/1/2025 10:43:35 AM



Diamondback Disposal
Services, Inc
P.O. Box 2491
Hobbs, NM 88241
575-392-9996

Red
Green
NIR

10002 sqft
Reference Area 2

10002 sqft
Reference Area 1

10002 sqft
Subject Area

10002 sqft
Reference Area 3

10002 sqft
Reference Area 4



0 50 100 ft

JUDAH OIL LLC
FORD STATE #001 @ 30-015-22512
Incident #nKMW1106735785
32.4285774,-104.0585175 NAD83
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Diamondback Disposal
Services, Inc
P.O. Box 2491
Hobbs, NM 88241
575-392-9996

- Vegetation Photos
- Pima Photography from Reopened Closure

Figure 4

Figure 9

Figure 3

Figure 5

Figure 2

Figure 8

Figure 6

Figure 7

Figure 1

P9

P5

P7

P6

P3

P1

P2



0 25 50 ft

JUDAH OIL LLC
FORD STATE #001 @ 30-015-22512
Incident #nKMW1106735785
32.4285774,-104.0585175 NAD83
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Diamondback Disposal
Services, Inc
P.O. Box 2491
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575-392-9996

NKMW1106735785 FORD STATE #001 @ 30-015-22512

Current Vegetation on subject site as of 6-9-25



Figure 1

Figure 2

Figure 3



Figure 4

Figure 5

Figure 6



Figure 7

Figure 8

Figure 9

Appendix E

Communications

**Judah Oil LLC
PO BOX 568
Artesia, NM 88211
575-748-4730**

April 1st, 2024

NMOCD District 1
1625 N French Dr.
Hobbs, NM, 88240

**RE: Site Assessment and Remediation Closure Report
Ford State #001
API No. 30-015-22512
GPS: Latitude 32.42858 Longitude -104.05852
UL "F", Section 02, Township 22S, Range 28E,
Eddy County, NM
NMOCD Reference No. NKMW1106735785**

Judah Oil LLC (Judah) has contracted Pima Environmental Services, LLC (Pima) to perform a site assessment and prepare this remediation closure report for the release of crude oil and produced water at the Ford State #001 (Ford State). This incident was assigned Incident ID NKMW1106735785, by the New Mexico Oil Conservation Division (NMOCD).

Site Information and Site Characterization

The Ford State is located approximately ten (10) miles east of Carlsbad, NM. This spill site is in Unit F, Section 02, Township 22S, Range 28E, Latitude 32.42858 Longitude -104.05852, Eddy County, NM. A Location Map can be found in Figure 1.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology in this area is composed of Piedmont alluvial deposits, includes deposits of higher gradient tributaries bordering major stream valleys, alluvial veneers of the piedmont slope, and alluvial fans. May locally include uppermost Pliocene deposits, detailed in Appendix B. The soil in this area is made up of Upton gravelly loam, 0 to 9 percent slopes according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage class in this area is well drained. There is a medium potential for karst geology to be present around the Ford State (Figure 3).

Based on information provided by the New Mexico Office of the State Engineer, the depth to the nearest groundwater in this area is approximately 70 feet below grade surface (BGS), located around 0.37 miles from the site, as indicated by water well (CP01171 POD1), drilled on May 31, 2013. Additionally, according to data from the United States Geological Survey (USGS), the closest groundwater well, USGS 322547104035001, is situated approximately 0.33 miles away and registers a water depth of 129 feet BGS, last measured on January 27, 1998. For precise locations, please refer to Appendix A, which contains a detailed water well map displaying both OSE and USGS well positions. The closest waterway is the Pecos River, situated approximately 6.39 miles southwest of this site. Details regarding these water surveys are available in Appendix A for reference.

Table 1 NMAC and Closure Criteria 19.15.29

Depth to Groundwater (Appendix A)	Constituent & Limits				
	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene
<50'	600 mg/kg	100 mg/kg		50 mg/kg	10 mg/kg
51-100' (CP01171 POD1)	10,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg
>100'	20,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg

Reference Figure 2 for a Topographic Map.

Release Information

NKMW1106735785: On February 4, 2011, a spill was detected at the Ford State #001 site resulting from a rupture in a polyline flowline caused by a vehicle passing over it. Initial response efforts were carried out by Judah Oil personnel, encompassing actions such as source elimination and site security measures, but they were unsuccessful in recovering the spilled fluid.

Site Assessment

On February 28, April 8, and June 15, 2020, SMA conducted site delineation activities at the Ford State #001 site by gathering soil samples from the vicinity of the release. A total of eight (8) sample locations (S1-S8) were identified and samples were extracted using an anchor machine, reaching depths of up to 11 feet below ground surface (bgs). Additionally, four side wall samples (SW1-SW4) were obtained from the surface. In total, twenty-eight (28) samples were collected for subsequent laboratory analysis. Detailed results from the laboratory analysis conducted during this sampling event are provided in the accompanying data table. For further details, a comprehensive laboratory report can be referenced in Appendix E. A Site Map is available in Figure 4 for additional context.

2-18-2020, 4-8-2020, 6-8-2020 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is >100')								
Judah Oil LLC - Ford State #001								
Sample Date: 4/8/2020, 2/28/2020, 6/15/2020		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S1	2'	16.08	<0.12	490	5,800	2,300	8590	330
	4'	-	-	110	1,500	590	2200	-
	6'	-	-	<4.9	280	150	430	-
	11'	-	-	<4.9	51	<47	51	-
S2	1'	<1.08	<0.12	<24	3000	3200	6200	130
	2'	<0.224	<0.025	<5.0	<9.1	<46	<60.1	250
	4'	-	-	<5.0	<9.5	<48	<62.5	-
	5'	-	-	<5.0	<9.7	<49	<63.6	-
S3	2'	<0.222	<0.025	<4.9	65	170	235	<60
	3'	-	-	<5.0	25	59	84	-
	4'	-	-	<5.0	10	<47	10	-
S4	1'	<0.207	<0.023	<4.6	<9.6	<48	<62.2	<60
S5	1'	<1.08	<0.12	<24	69	200	269	200
	2'	2.15	<0.20	100	2400	1300	2800	390
	3'	-	-	52	1300	790	2142	-
	4'	-	-	30	730	480	1240	-
	5'	<0.217	<0.024	<4.8	<9.1	<46	<60	<60
S6	1'	<0.224	<0.025	<5.0	<10	<50	<65.0	190
	2'	<0.224	<0.025	<5.0	<9.5	<48	<62.5	220
	4'	-	-	<4.9	<9.8	<49	<63.7	-
S7	1'	<0.221	<0.025	<4.9	23	<47	23	110
	2'	<0.224	<0.025	<5.0	<9.8	<49	<63.8	100
	4'	-	-	<4.9	11	<48	11	-
S8	1'	<0.216	<0.024	<4.8	<9.8	<49	<63.6	140
SW1	Surface	<0.222	<0.025	<4.9	<8.9	<45	<58.8	<60
SW2	Surface	<0.222	<0.025	<4.9	<9.7	<48	<62.6	<60
SW3	Surface	<1.11	<0.12	<25	<9.4	<47	<81.4	150
SW4	Surface	<1.12	<0.12	<25	<9.0	<45	<79	<60

"- " = Not Analyzed

Complete laboratory reports can be found in Appendix E.

Remediation Activities

Between July 20 and July 27, 2020, Judah Oil enlisted the services of Rockstar Packing LLC to conduct excavation work at the Ford State site, aimed at addressing the affected area. Rockstar commenced excavation activities corresponding to soil sample S1, reaching a depth of 6.5 feet below the grade surface (bgs). Concurrently, excavation work in the vicinity of soil sample S2 was carried out to a depth of 1.5 feet bgs. Similarly, the area encompassing soil sample S3 was excavated to a depth of 2.5 feet bgs, while soil sample S5 was excavated to a depth of 5 feet bgs.

The excavated region associated with soil sample S1 covered an approximate area of 160 square feet, resulting in the removal of about 38 cubic yards of contaminated material. In the area overlapping with soil sample S2, excavation covered approximately 700 square feet, leading to the removal of approximately 39 cubic yards of contaminated material. For the section corresponding to soil sample S3, excavation encompassed an area of around 330 square feet, with approximately 30 cubic yards of contaminated soil removed. In the region overlapping soil sample S5, the excavated area spanned roughly 164 square feet, resulting in the removal of about 37 cubic yards of contaminated soil. Overall, approximately 144 cubic yards of contaminated material were excavated. All contaminated material was securely transported to Lea Land, an approved disposal facility recognized by the New Mexico Oil Conservation Division (NMOCD). A disposal manifest detailing the disposal process of this remediation event is available for reference in Appendix F.

We respectfully request a variance considering the absence of confirmation samples from the remediation event mentioned earlier. At the time of the excavation, no environmental entity was engaged due to a lack of awareness regarding regulations. In an effort to rectify the previous work completed, Judah Oil has enlisted the services of Pima Environmental to reevaluate the excavated area and ensure the thorough removal of all contamination. This sampling endeavor was conducted using an anchor machine, which proved capable of penetrating the hard caliche pan surrounding the area.

On March 5, 2024, Judah Oil proactively submitted a 48-hour sampling notification as part of the preliminary preparations leading up to the final confirmation sampling event. This precautionary step was taken with the expectation that all sampling results would fall below the closure criteria established by the New Mexico Oil Conservation Division (NMOCD). Should the results confirm compliance, the plan is to move forward with the closure process. For additional details, the 48-hour notification can be referenced in Appendix C.

On March 7, 2024, Pima Environmental deployed a field technician to conduct a confirmation sampling event at the Ford State site, aiming to ensure the complete removal of contaminated material. A comprehensive sampling effort was undertaken, involving the collection of nine soil samples from the area previously excavated. Soil samples P1 and P2 were obtained from the 5-foot excavated region corresponding to the former location of soil sample S5. Soil samples P3 to P5 were collected from the 1.5-foot excavated area previously associated with soil sample S2. Samples P6 and P7 were retrieved from the 6.5-foot excavated zone that formerly encompassed soil sample S1. Lastly, soil samples P8 and P9 were gathered from the 2.5-foot excavated area formerly linked with soil sample S3. The side wall samples SW1-SW9 were taken along the perimeter of the previously excavated region to verify the absence of contamination in the surrounding areas. These samples were obtained at a depth of six inches below ground surface (bgs) and were categorized as surface samples. Furthermore, field screening outcomes were recorded from depths of 2 feet and 6 feet bgs for each side wall sample. Field screening techniques incorporate the use of a photoionization detector (PID) to identify any remaining hydrocarbons and employ a titration method to accurately determine residual chloride concentrations in the vicinity. For further details, a comprehensive laboratory report can be referenced in Appendix E. A Site Map of this second sampling event can be found in Figure 4.

3-7-2024 Soil Sample Results								
NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')								
Judah Oil LLC- Ford State #001								
Sample Date: 3/7/2024		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
P1	2'	ND	ND	ND	ND	ND	ND	ND
	6'	ND	ND	ND	ND	ND	ND	ND
P2	2'	ND	ND	ND	ND	ND	ND	ND
	6'	ND	ND	ND	ND	ND	ND	ND
P3	2'	ND	ND	ND	ND	ND	ND	ND
	6'	ND	ND	ND	ND	ND	ND	ND
P4	2'	ND	ND	ND	ND	ND	ND	ND
	6'	ND	ND	ND	ND	ND	ND	ND
P5	2'	ND	ND	ND	ND	ND	ND	ND
	6'	ND	ND	ND	ND	ND	ND	ND
P6	2'	ND	ND	ND	ND	ND	ND	ND

	6'	ND	ND	ND	ND	ND	ND	ND
P7	2'	ND	ND	ND	ND	ND	ND	ND
	6'	ND	ND	ND	ND	ND	ND	ND
P8	2'	ND	ND	ND	ND	ND	ND	ND
	6'	ND	ND	ND	ND	ND	ND	ND
P9	2'	ND	ND	ND	ND	ND	ND	ND
	6'	ND	ND	ND	ND	ND	ND	ND
SW1	Surface	ND	ND	ND	ND	ND	ND	ND
SW2	Surface	ND	ND	ND	ND	ND	ND	ND
SW3	Surface	ND	ND	ND	ND	ND	ND	ND
SW4	Surface	ND	ND	ND	ND	ND	ND	ND
SW5	Surface	ND	ND	ND	ND	ND	ND	ND
SW6	Surface	ND	ND	ND	ND	ND	ND	ND
SW7	Surface	ND	ND	ND	ND	ND	ND	ND

ND- Analyte Non Detected

A total of 25 soil samples were collected for laboratory analysis for total chloride using EPA Method 300.0; benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method 8021B; and motor, diesel, and gasoline range organics (MRO, DRO, & GRO) by EPA Method 8015D. All samples were placed into laboratory supplied glassware, labeled, and maintained on ice until delivery to EnviroTech laboratories in Farmington, New Mexico (Appendix C).

3-7-2024 Field Screening Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC - Depth to Groundwater is 51-100'			
Judah Oil LLC - Ford State #001			
Date: 3/7/2024		Field Screen Sampling Results	
Sample ID	Depth (BGS)	Chloride (PPM)	TPH (PPM)
SW1	2'	0.00	0.00
	6'	0.00	0.00
SW2	2'	0.00	0.00
	6'	0.00	0.00
SW3	2'	0.00	0.00
	6'	0.00	0.00
SW4	2'	0.00	0.00
	6'	0.00	0.00
SW5	2'	0.00	0.00
	6'	0.00	0.00
SW6	2'	0.00	0.00
	6'	0.00	0.00
SW7	2'	0.00	0.00
	6'	0.00	0.00

On March 21, 2024, Pima received lab confirmation that all samples were below NMOCD closure criteria.

Closure Request

In summary, all soil samples gathered satisfy the closure criteria set by the New Mexico Oil Conservation Division (NMOCD). It is affirmed that all contamination originating from the release on February 4, 2011, has been satisfactorily remediated, and the area now displays robust vegetation growth. Based on the extensive data provided in this report, no additional remediation measures are deemed necessary. Pima Environmental requests the closure of this incident, NKMW1106735785. Judah Oil LLC has adhered to the relevant closure requirements outlined in rule 19.15.19.12 NMAC.

Should you have any questions or need additional information, please feel free to contact Sebastian Orozco at 619-721-4813 or Sebastian@pimaoil.com.

Respectfully,

Sebastian Orozco

Sebastian Orozco
Environmental Project Manager
Pima Environmental Services, LLC

Attachments

Figures:

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Site Map
- 5- Confirmation Site Map

Appendices:

- Appendix A – Referenced Water Surveys
- Appendix B – Soil Survey and Geological Data
- Appendix C – 48 Hour Notification
- Appendix D – Photographic Documentation
- Appendix E – Laboratory Reports and Field Notes
- Appendix F- Lea Land Disposal Manifest



Pima Environmental Services

Figures:

- 1-Location Map
- 2- Topographic Map
- 3-Karst Map
- 4-Site Map
- 5-Confirmation Site Map

Ford State #1

Judah Oil
API#: 30-015-22512
Eddy County, NM
Location Map


Legend

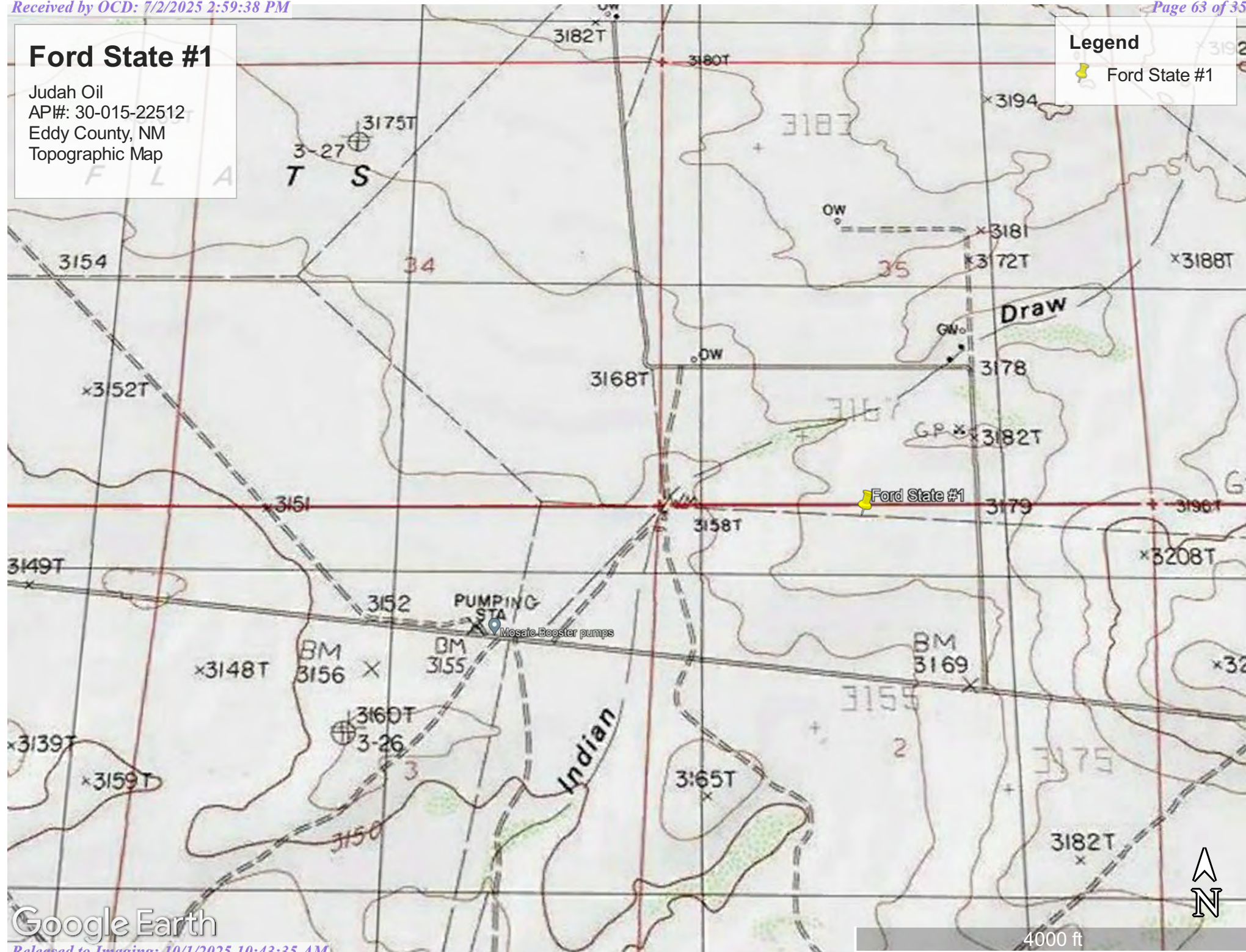
- 10.06 miles
- Ford State #1



Google Earth

Judah Oil
API#: 30-015-22512
Eddy County, NM
Topographic Map

 Ford State #1

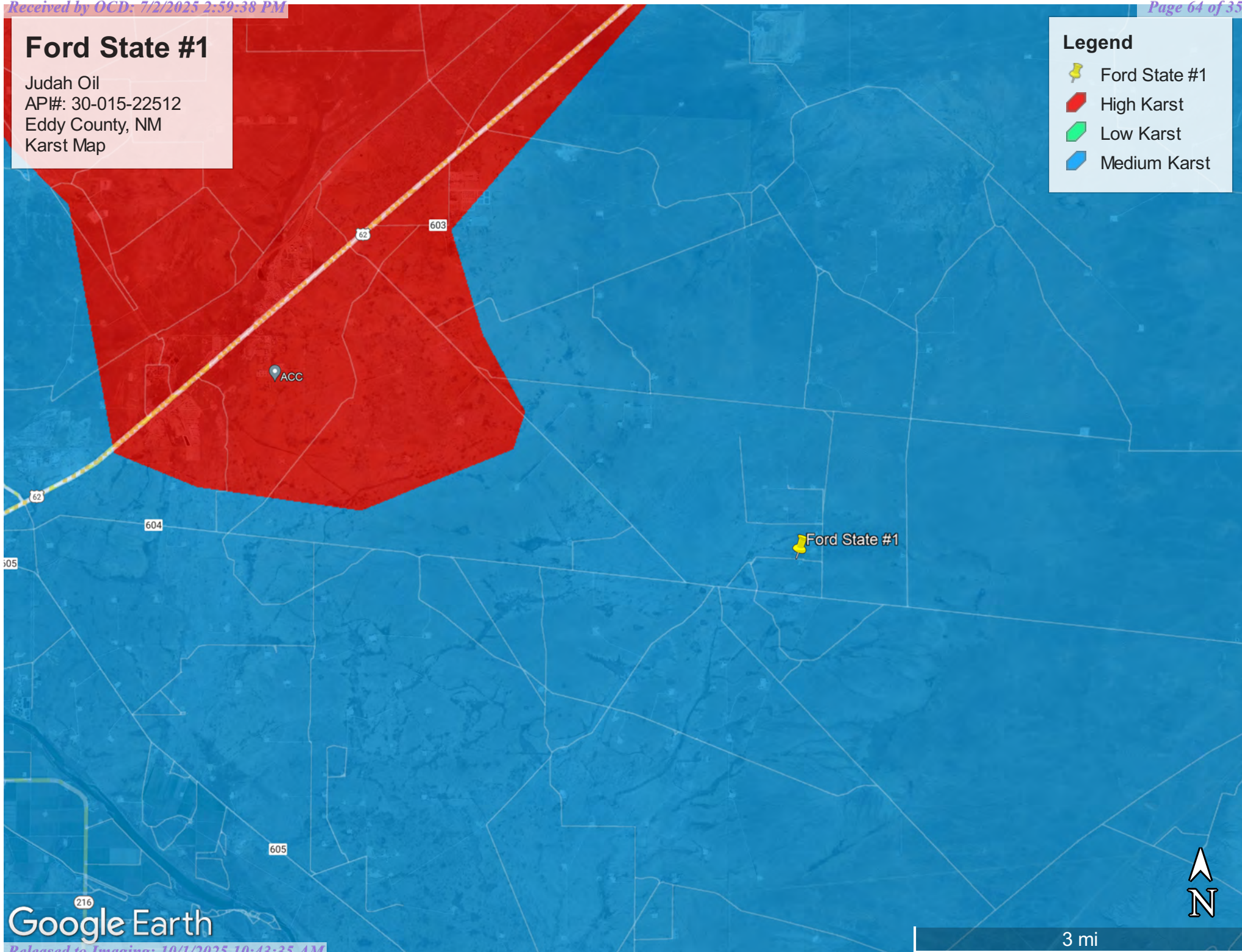


Ford State #1

Judah Oil
API#: 30-015-22512
Eddy County, NM
Karst Map

Legend

-  Ford State #1
-  High Karst
-  Low Karst
-  Medium Karst

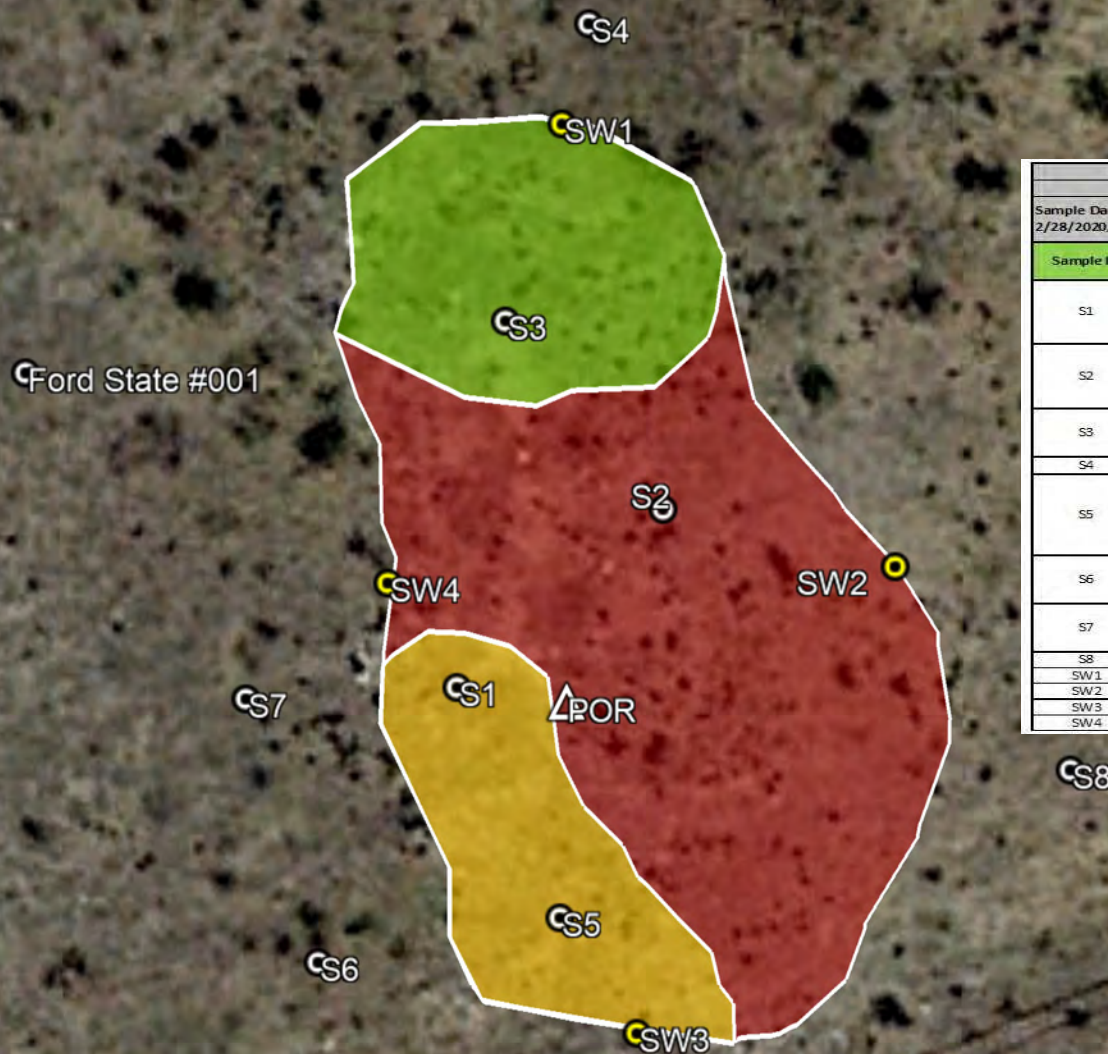


Ford State #001

Judah Oil
 API#30-015-22512
 Eddy County, NM
 Site Map

Legend

- 2' Treatment Area
- 3' Treatment Area
- 4' Treatment Area
- ▲ Point of Release
- Side Wall Sample
- Soil Sample



NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is >100')								
ARMSTRONG ENERGY CORPORATION - Ford State #001								
Sample Date: 4/8/2020, 2/28/2020, 6/15/2020		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S1	2'	16.08	<0.12	490	5,800	2,300	8590	330
	4'	-	-	110	1,500	590	2200	-
	6'	-	-	<4.9	280	150	430	-
	11'	-	-	<4.9	51	<47	51	-
S2	1'	<1.08	<0.12	<24	3000	3200	6200	130
	2'	<0.224	<0.025	<5.0	<9.1	<46	<60.1	250
	4'	-	-	<5.0	<9.5	<48	<62.5	-
	5'	-	-	<5.0	<9.7	<49	<63.6	-
S3	2'	<0.222	<0.025	<4.9	65	170	255	<60
	3'	-	-	<5.0	25	59	84	-
	4'	-	-	<5.0	10	<47	10	-
S4	1'	<0.207	<0.023	<4.6	<9.6	<48	<62.2	<60
	2'	<1.08	<0.12	<24	69	200	269	200
S5	2'	2.15	<0.20	100	2400	1300	2800	390
	3'	-	-	52	1300	790	2142	-
	4'	-	-	30	730	480	1240	-
	5'	<0.217	<0.024	<4.8	<9.1	<46	<60	<60
S6	1'	<0.224	<0.025	<5.0	<10	<50	<65.0	190
	2'	<0.224	<0.025	<5.0	<9.5	<48	<62.5	220
	4'	-	-	<4.9	<9.8	<49	<63.7	-
S7	1'	<0.221	<0.025	<4.9	23	<47	23	110
	2'	<0.224	<0.025	<5.0	<9.8	<49	<63.8	100
	4'	-	-	<4.9	11	<48	11	-
S8	1'	<0.216	<0.024	<4.8	<9.8	<49	<63.6	140
SW1	Surface	<0.222	<0.025	<4.9	<8.9	<45	<58.8	<60
SW2	Surface	<0.222	<0.025	<4.9	<9.7	<48	<62.6	<60
SW3	Surface	<1.11	<0.12	<25	<9.4	<47	<81.4	150
SW4	Surface	<1.12	<0.12	<25	<9.0	<45	<79	<60

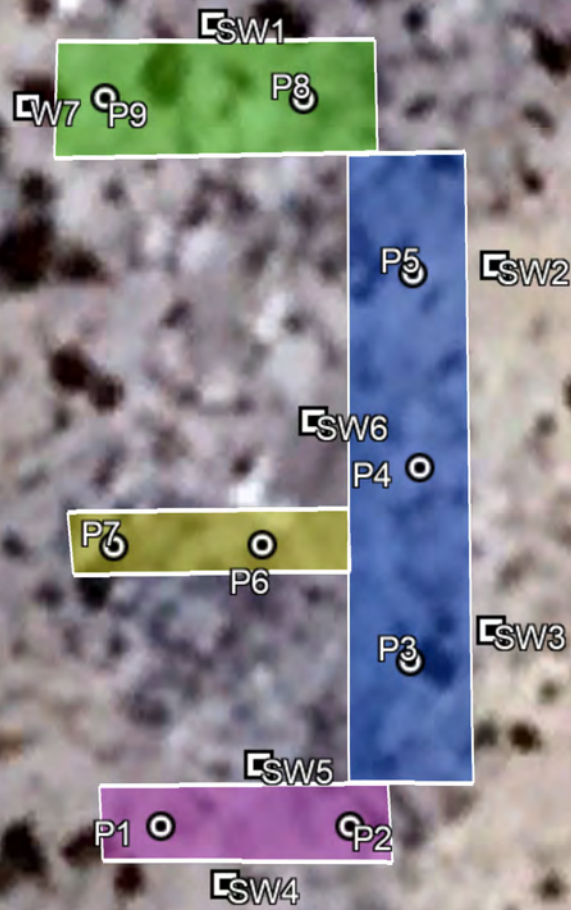


Ford State #001

Judah Oil
API#:30-015-22512
Eddy County, NM
Confirmation Map

Legend

- 1.5' Excavated Area
- 2.5' Excavated Area
- 5' Excavated Area
- 6.5' Excavated Area
- Base Sample
- Side Wall Sample



NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')								
Judah Oil LLC - Ford State #001								
Sample Date: 3/7/2024		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	CI mg/kg
P1	2'	ND	ND	ND	ND	ND	ND	ND
	6'	ND	ND	ND	ND	ND	ND	ND
P2	2'	ND	ND	ND	ND	ND	ND	ND
	6'	ND	ND	ND	ND	ND	ND	ND
P3	2'	ND	ND	ND	ND	ND	ND	ND
	6'	ND	ND	ND	ND	ND	ND	ND
P4	2'	ND	ND	ND	ND	ND	ND	ND
	6'	ND	ND	ND	ND	ND	ND	ND
P5	2'	ND	ND	ND	ND	ND	ND	ND
	6'	ND	ND	ND	ND	ND	ND	ND
P6	2'	ND	ND	ND	ND	ND	ND	ND
	6'	ND	ND	ND	ND	ND	ND	ND
P7	2'	ND	ND	ND	ND	ND	ND	ND
	6'	ND	ND	ND	ND	ND	ND	ND
P8	2'	ND	ND	ND	ND	ND	ND	ND
	6'	ND	ND	ND	ND	ND	ND	ND
P9	2'	ND	ND	ND	ND	ND	ND	ND
	6'	ND	ND	ND	ND	ND	ND	ND
SW1	Surface	ND	ND	ND	ND	ND	ND	ND
SW2	Surface	ND	ND	ND	ND	ND	ND	ND
SW3	Surface	ND	ND	ND	ND	ND	ND	ND
SW4	Surface	ND	ND	ND	ND	ND	ND	ND
SW5	Surface	ND	ND	ND	ND	ND	ND	ND
SW6	Surface	ND	ND	ND	ND	ND	ND	ND
SW7	Surface	ND	ND	ND	ND	ND	ND	ND





Pima Environmental Services

Appendix A

Water Surveys:

OSE

USGS

Surface Water Map



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 has been replaced,
O=orphaned,
C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
CP 01171 POD1		CP	ED	1	4	35	21S	28E		588814	3588862	596	70		
CP 01171 POD3		CP	ED	1	4	35	21S	28E		588814	3588862	596	115		
CP 01171 POD2		CP	ED	1	4	35	21S	28E		588866	3588862	623	110		
CP 01118 POD1		CP	ED	1	4	35	21S	28E		588800	3588926	647	25		
CP 01118 POD2		CP	ED	1	4	35	21S	28E		588800	3588926	647	56		
C 03533 POD1		CUB	ED	3	4	4	03	22S	28E	587377	3586934	1816	55		
C 03533 POD2		CUB	ED	3	4	4	03	22S	28E	587358	3586935	1827	55		
C 03533 POD3		CUB	ED	3	4	4	03	22S	28E	587370	3586911	1838	55		
C 03533 POD4		CUB	ED	4	3	4	03	22S	28E	587331	3586892	1877	55		
C 03534 POD1		CUB	ED	4	3	4	03	22S	28E	587240	3586950	1894	150		

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 10

UTM NAD83 Radius Search (in meters):

Easting (X): 588529.62

Northing (Y): 3588338

Radius: 5000

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.


2/22/24 12:03 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(quarters are smallest to largest)		(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	CP 01171 POD1	1	4	35	21S	28E		588814	3588862 
<hr/>									
Driller License:	1478	Driller Company:				STRAUB CORPORATION			
Driller Name:	STRAUB, MARTIN								
Drill Start Date:	05/31/2013	Drill Finish Date:				05/31/2013		Plug Date:	
Log File Date:	06/10/2013	PCW Rcv Date:						Source: Shallow	
Pump Type:		Pipe Discharge Size:						Estimated Yield:	
Casing Size:		Depth Well:				70 feet		Depth Water:	
<hr/>									

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.

3/26/24 8:52 AM

POINT OF DIVERSION SUMMARY

Ford State #001

Judah Oil
API#: 30-015-22512
Eddy County, NM
OSE Location Map

Legend

- 0.37 Miles
- CP01171 POD1
- Ford State #001

Ford State #001

CP01171 POD1

Google Earth



1000 ft

IMPORTANT [Inventory Page](#) 



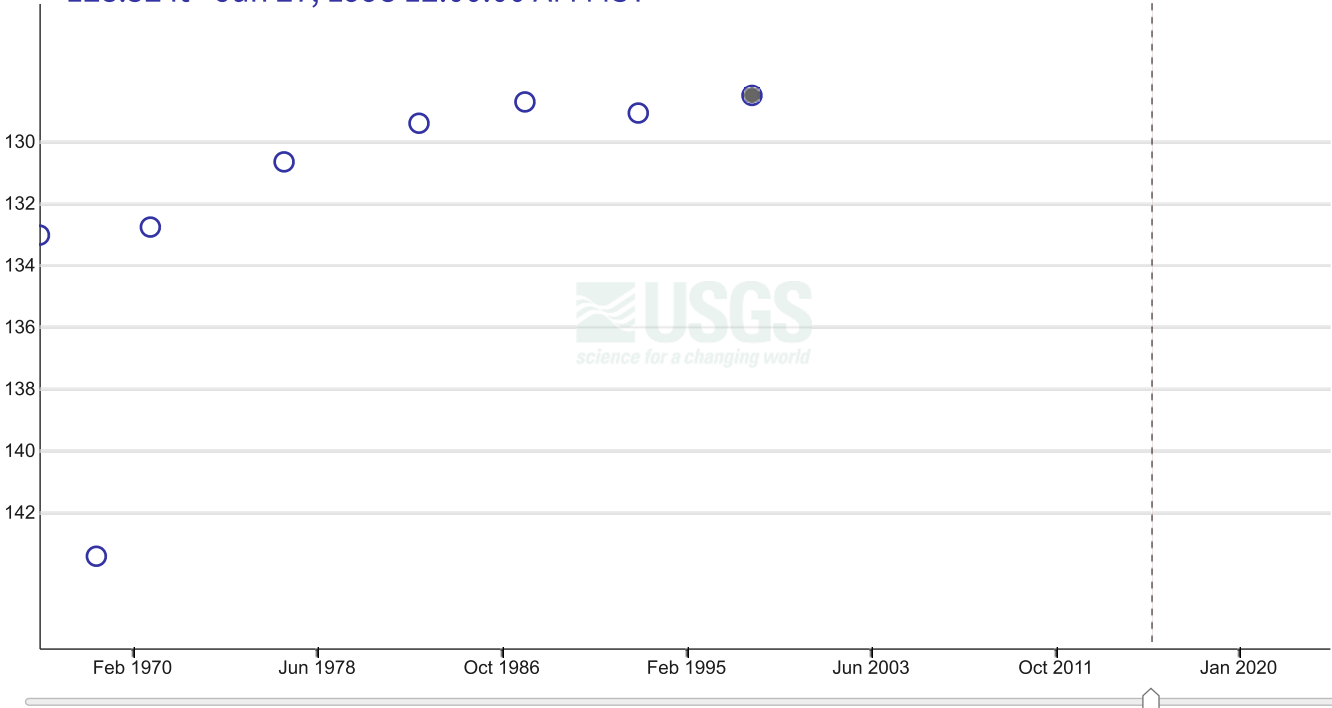
☐ 1 year ☐ 10 years ☒ Period of record

22S.28E.02.11111 -
322547104035001

December 2, 1965 - February 22, 2024

Depth to water level, ft below land surface

128.52 ft - Jan 27, 1998 12:00:00 AM MST



IMPORTANT Data may be [provisional](#)

Show legend ^

	Value	Status
<input checked="" type="radio"/> Selected Jan 27, 1998 12:00:00 AM MST	128.52 ft	Approved

Hide graph details ^

Statistics are not currently supported for the data type:

Hide statistics ^

[Change
time span](#)[Download
data](#)[View
data records](#)[Questions or Comments](#)

Select data to graph

- | | |
|--|--------------------------|
| <input checked="" type="radio"/> Depth to water level, ft below land surface | 1965-12-02 to 1998-01-27 |
| <input type="radio"/> Groundwater level above NAVD 1988, ft | 1965-12-02 to 1998-01-27 |
| <input type="radio"/> Groundwater level above NGVD 1929, feet | 1965-12-02 to 1998-01-27 |

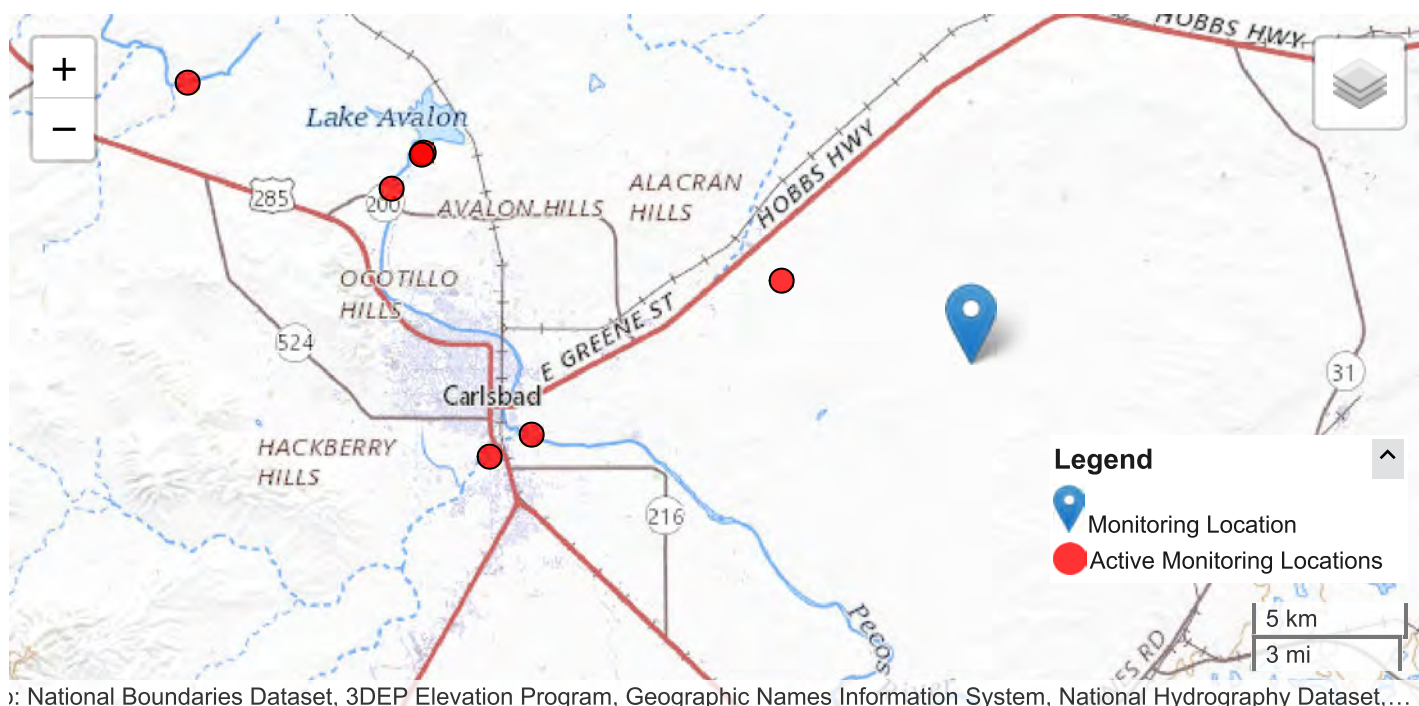
Monitoring camera

There are no cameras currently available at this monitoring location.

Groundwater data BETA

Why don't I see a groundwater graph?

No groundwater level statistical daily data has been reported for this location.



Source: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset,...

Interested in understanding how to access the upstream/downstream data? [Learn about the Network-Linked Data Index \(NLDI\)](#).

Summary of available field and laboratory sample data

Summary of all available data

Location metadata

[DOI Privacy Policy](#) | [Legal](#) | [Accessibility](#) | [Site Map](#) | [Contact USGS](#)

Follow [-](#) [-](#) [-](#) [-](#) [-](#)

[U.S. Department of the Interior](#) | [DOI Inspector General](#) | [White House](#) | [E-gov](#) | [No Fear Act](#) | [FOIA](#)

Ford State #001

Judah Oil
API#: 30-015-22512
Eddy County, NM
USGS Location Map

Legend

- 0.33 Miles
- Ford State #001
- USGS 322547104035001

USGS 322547104035001

Ford State #001

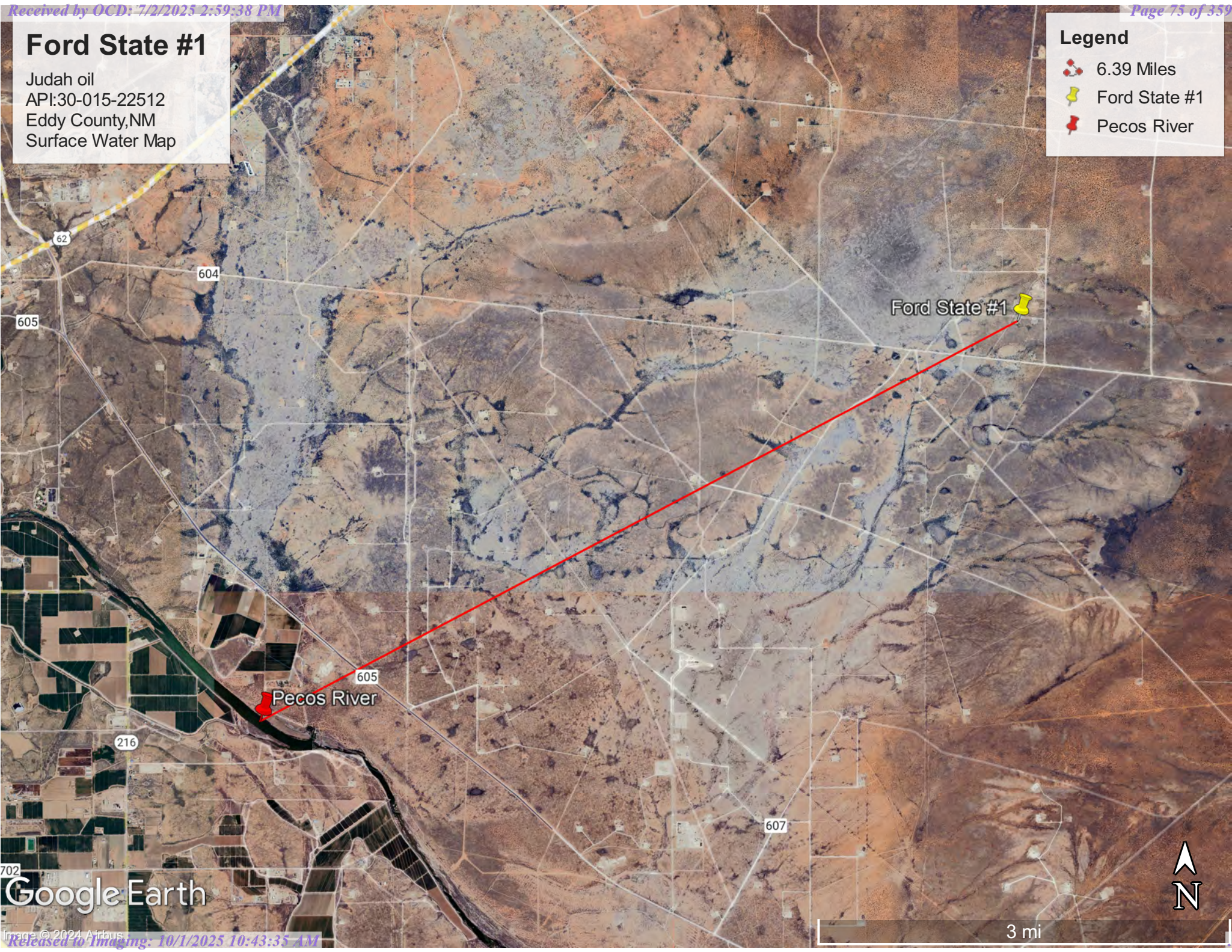


Ford State #1

Judah oil
API:30-015-22512
Eddy County,NM
Surface Water Map

Legend

- 6.39 Miles
- Ford State #1
- Pecos River



Google Earth



3 mi



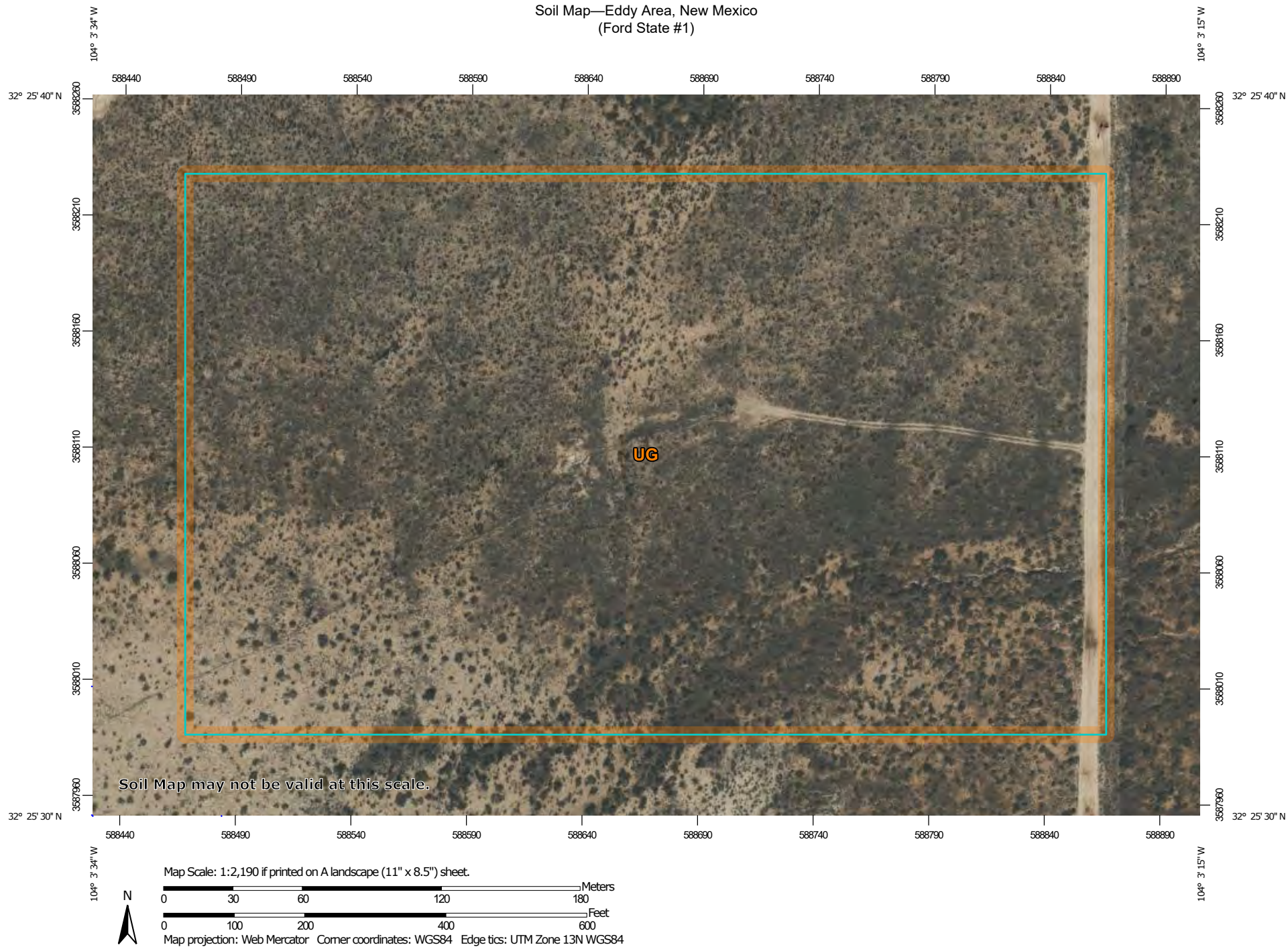
Pima Environmental Services

Appendix B

Soil Survey & Geological Data

FEMA Flood Map


Wetlands Map

Soil Map—Eddy Area, New Mexico
(Ford State #1)Natural Resources
Conservation ServiceWeb Soil Survey
National Cooperative Soil Survey4/1/2024
Page 1 of 3

Soil Map—Eddy Area, New Mexico
(Ford State #1)

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 19, Sep 7, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Nov 12, 2022—Dec 2, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
UG	Upton gravelly loam, 0 to 9 percent slopes	23.9	100.0%
Totals for Area of Interest		23.9	100.0%

Map Unit Description: Upton gravelly loam, 0 to 9 percent slopes---Eddy Area, New Mexico

Eddy Area, New Mexico

UG—Upton gravelly loam, 0 to 9 percent slopes

Map Unit Setting

National map unit symbol: 1w64

Elevation: 1,100 to 4,400 feet

Mean annual precipitation: 7 to 15 inches

Mean annual air temperature: 60 to 70 degrees F

Frost-free period: 200 to 240 days

Farmland classification: Not prime farmland

Map Unit Composition

Upton and similar soils: 96 percent

Minor components: 4 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Upton

Setting

Landform: Ridges, fans

Landform position (three-dimensional): Side slope, rise

Down-slope shape: Convex

Across-slope shape: Convex

Parent material: Residuum weathered from limestone

Typical profile

H1 - 0 to 9 inches: gravelly loam

H2 - 9 to 13 inches: gravelly loam

H3 - 13 to 21 inches: cemented

H4 - 21 to 60 inches: very gravelly loam

Properties and qualities

Slope: 0 to 9 percent

Depth to restrictive feature: 7 to 20 inches to petrocalcic

Drainage class: Well drained

Runoff class: High

Capacity of the most limiting layer to transmit water (Ksat): Low to moderately high (0.01 to 0.60 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 75 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Very low (about 1.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7s

Map Unit Description: Upton gravelly loam, 0 to 9 percent slopes---Eddy Area, New Mexico

Hydrologic Soil Group: D
Ecological site: R070BC025NM - Shallow
Hydric soil rating: No

Minor Components

Reagan

Percent of map unit: 1 percent
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Upton

Percent of map unit: 1 percent
Ecological site: R070BC025NM - Shallow
Hydric soil rating: No

Atoka

Percent of map unit: 1 percent
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Atoka

Percent of map unit: 1 percent
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 19, Sep 7, 2023






Ford State #001

Judah Oil
API#: 30-015-22512
Eddy County, NM
Geological Map

XTO BEU Federal 1-29 SWD

Legend

-  Ford State #001
-  Lacustrine and playa-lake deposits
-  Piedmont alluvial deposits

Ford State #001

Mosaic Booster pumps

Google Earth



1 mi

National Flood Hazard Layer FIRMMette



104°3'49"W 32°25'58"N



Released to Imaging: 10/1/2025 10:43:35 AM

1:6,000

104°3'12"W 32°25'28"N

Basemap Imagery Source: USGS National Map 2023

Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance
		17.5 Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

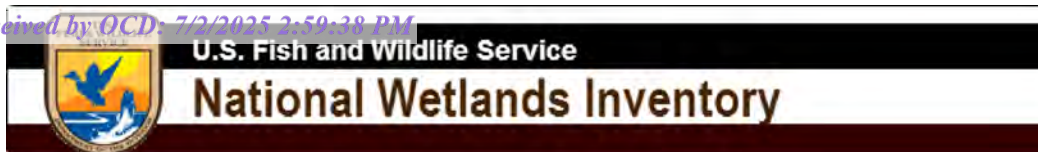


The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

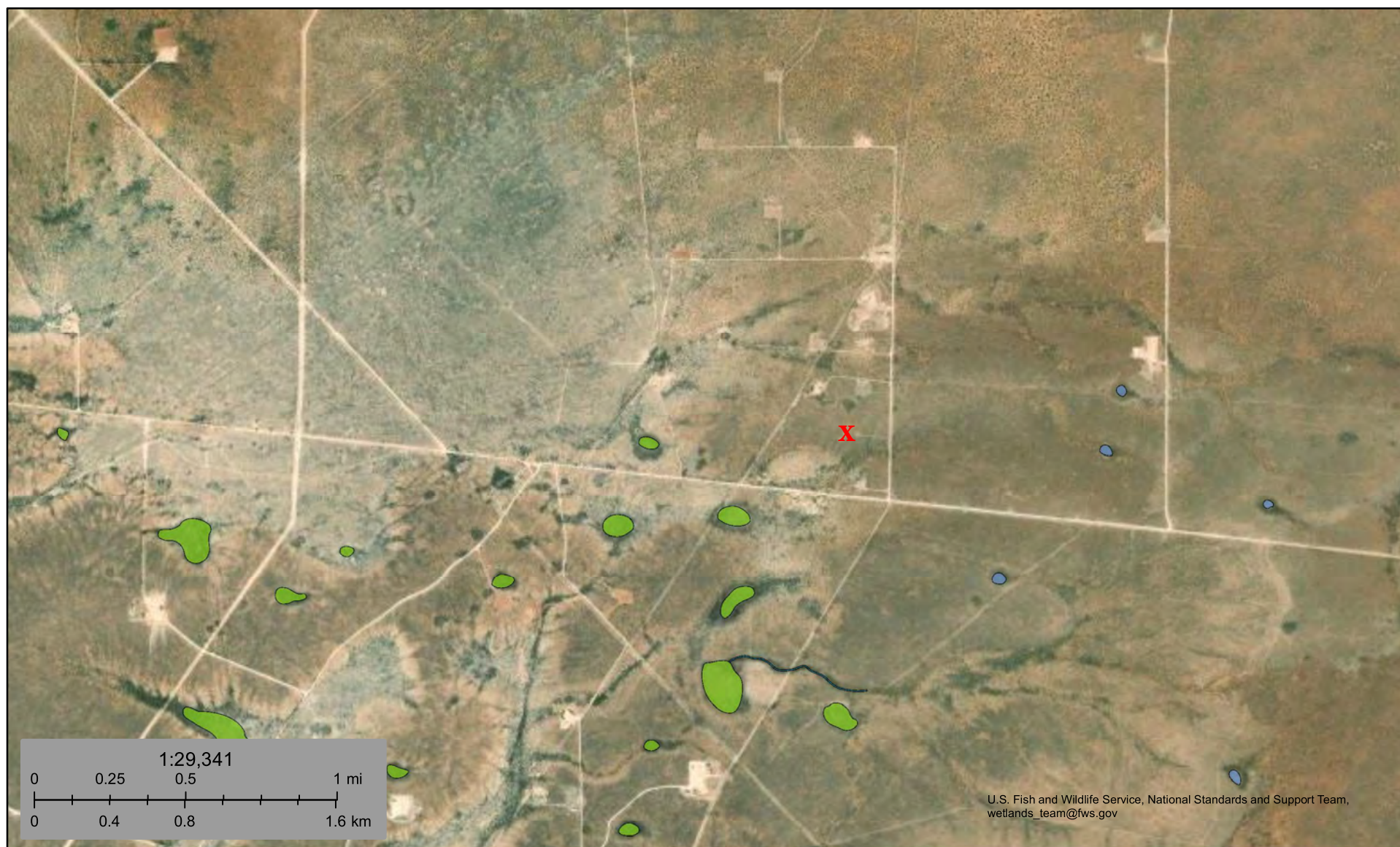
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 10/2/2023 at 2:37 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



FORD STATE #001



February 22, 2024

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

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



Pima Environmental Services

Appendix C
48-Hour Notification

OCD Permitting

Home Operator Data Action Status Action Search Results Action Status Item Details

[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	320232	Districts:	Artesia
Operator:	[245872] JUDAH OIL LLC	Counties:	Eddy
Description:	JUDAH OIL LLC [245872] , FORD STATE #001 , nKMW1106735785		
Status:	APPROVED		
Status Date:	03/05/2024		
References (2):	30-015-22512, nKMW1106735785		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nKMW1106735785
Incident Name	NKMW1106735785 FORD STATE #001 @ 30-015-22512
Incident Type	Oil Release
Incident Status	Remediation Plan Approved
Incident Well	[30-015-22512] FORD STATE #001

Location of Release Source

Site Name	FORD STATE #001
Date Release Discovered	02/04/2011
Surface Owner	State

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	40,000
What is the estimated number of samples that will be gathered	11
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/07/2024
Time sampling will commence	10:30 AM

Warning: Notification can not be less than two business days prior to conducting final sampling.

Please provide any information necessary for observers to contact samplers	Pima Environmental Services Email: sebastian@pimaoil.com phone: 619-721-4813
Please provide any information necessary for navigation to sampling site	From the BLM in Carlsbad, head east on 62/180 for 7.2 miles then turn right onto caliche road. Continue straight for 0.1 miles then turn left. Continue straight for 1.3 miles then turn left. Continue straight for 0.1 miles then turn left. Site is at the intersection of the road and the BLM land.

This submission type does not have acknowledgments, at this time.

Comments

No comments found for this submission.

Conditions

Summary: *aquinones* (3/5/2024), Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

Go Back



Pima Environmental Services

Appendix D

Photographic Documentation



JUDAH OIL
FORD STATE #1
SITE PHOTOGRAPHS

Assessment-







Pima Environmental Services

Appendix E

Laboratory Reports



Pima Environmental Services

Appendix F

Lea Land Disposal Manifest

INVOICE # 28565

Date: 8/6/2020

AFE Number:

Charge to: Ford State #1

Date(s) of Service: 07/27/20 - 07/28/20

Manifest #: See Attached List

Ship Via: Rockstar Packing LLC

Landfill located at Carlsbad, NM

TERMS: NET 30

Subtotal	\$4,033.00
Sales tax rate	5.500%
Sales tax	\$221.82
Total	\$4,254.82

Make all checks payable to LEA LAND, LLC

If you have any questions concerning this invoice, please contact:

Saralyn Hall at 405-519-1187 E-mail: shall119@cox.net

Thank you for your business!

Judah Oil Weights Statement

<i>Receive Date</i>	<i>Manifest Number</i>	<i>Lease Name</i>	<i>Weight (lbs.)</i>	<i>Weight (Tons)</i>
7/27/2020	137965	Ford State #1	161,880	80.94
7/27/2020	137966	Ford State #1	162,160	81.08
7/28/2020	137989	Ford State #1	40,420	20.21
7/28/2020	137990	Ford State #1	38,840	19.42
<i>TOTALS:</i>			403,300 <i>lbs.</i>	201.65 <i>Tons</i>

Lea Land Landfill New Mexico

Mile Market # 64 US Highway 62/180

30 miles East of Carlsbad, NM * (505) 887-4048



Souder, Miller & Associates ♦ 201 S. Halagueno St. ♦ Carlsbad, NM 88220

July 6, 2020

#5E29071-BG2

NMOCD District 2
 Victoria Venegas
 811 S First St.
 Artesia, New Mexico 88210

SUBJECT: Remediation Plan for the Ford State 1 Release (2RP-634), Carlsbad, New Mexico

Ms. Venegas:

On behalf of Judah Oil, LLC, Souder, Miller & Associates (SMA) has prepared this Remediation Plan that describes the delineation and proposed remediation for a release of liquids related to oil and gas production activities at the Ford State 1 site. The site is in Unit C, Section 2, Township 22S, Range 28E, Eddy County, New Mexico, on state land. Figure 1 illustrates the vicinity and site location on an USGS 7.5 minute quadrangle map.

Table 1 summarizes information regarding the release.

Table 1: Release Information and Closure Criteria			
Name	Ford State 1	Company	Judah Oil LLC
API Number	30-015-22512	Location	32.42858, -104.05852
Incident Number	2RP-634		
Estimated Date of Release	2/4/2011	Date Reported to NMOCD	3/3/2011
Land Owner	State	Reported To	NMOCD
Source of Release	A flowline was punctured due to a heavy equipment driving over it.		
Released Volume	42 BBLS, 42 BBLS	Released Material	Crude Oil & Produced Water
Recovered Volume	0	Net Release	84 BBLS
NMOCD Closure Criteria	>100 feet to groundwater		
SMA Response Dates	2/28/2020, 4/8/2020, 6/15/2020		

1.0 Background

On February 4, 2011, a release was discovered at the Ford State No.1 site due to a poly flowline rupture caused by a vehicle driving over it. Initial response activities were conducted by Judah Oil personnel, and included source elimination and site security activities, which were unable to recover any free-standing fluid. Figure 1 illustrates the vicinity and site location, Figures 2 and 3 illustrate the release location. The C-141 form is included in Appendix A.

2.0 Site Information and Closure Criteria

The Ford State No.1 is located approximately 10 miles from Carlsbad, New Mexico on State land at an elevation of approximately 3180 feet above mean sea level (amsl).

Based upon water well data (Appendix B), depth to groundwater in the area is estimated to be 140 feet below grade surface (bgs). There are no known water sources within ½-mile of the location, according to the New Mexico Office of the State Engineer (NMOSE) online water well database (https://gis.ose.state.nm.us/gisapps/ose_pod_locations/; accessed 7/2/2020). However, an exploratory well in the vicinity (0.47 miles to the north east) approximates depth to groundwater to be over 100 feet bgs. The nearest significant watercourse is an unnamed pond, located approximately 5,000 feet to the south. Figure 2 illustrates the site with 200 and 300-foot radii to indicate that it does not lie within a sensitive area as described in 19.15.29.12.C(4) NMAC. The site is not considered an “exploration, development, production or storage site” and therefore the top four feet must be remediated to the most stringent standards. Additionally, the release area did not occur on land considered “in-use”, as outlined by 19.15.29.13.D NMAC. Therefore, the release area shall be reclaimed within the upper four feet to meet the standards of 19.15.29.13.D(1).

Based on the information presented herein, the applicable NMOCDC Closure Criteria for this site is for groundwater depth of greater than 100 feet bgs in addition to the requirements of reclamation for the upper four feet of impacted soil. Table 2 demonstrates the Closure Criteria applicable to this location. Pertinent well data is attached in Appendix B.

3.0 Release Characterization Activities and Findings

On February 28, April 8, and June 15, 2020, SMA performed site delineation activities at the Ford State No.1 by collecting soil samples around the release site, using the guidance of Judah Oil personnel. Soil samples were field-screened for chloride using an electrical conductivity (EC) meter and for hydrocarbon impacts using a calibrated MiniRAE 3000 photoionization detector (PID) equipped with a 10.6 eV.

A total of eight (8) sample locations (S1-S8) were investigated using an anchor machine, to depths up to 11 feet bgs, in addition to four sidewalls samples (SW1-SW4) collected from the surface. A total of twenty-eight (28) samples were collected for laboratory analysis for total chloride using EPA Method 300.0; benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method 8021B; and motor, diesel and gasoline range organics (MRO, DRO, and GRO) by EPA Method 8015D. Locations for all samples are depicted on Figure 3.

Laboratory samples were collected in accordance with the sampling protocol included in Appendix C. Samples were placed into laboratory supplied glassware, labeled, and maintained on ice until delivery to Hall Environmental Analysis Laboratory in Albuquerque, New Mexico and Cardinal Laboratories in Hobbs, New Mexico (Appendix D).

As summarized in Table 3, results indicate that an area approximately 85 feet by 45 feet by 2-11 feet deep has been impacted.

Ford State #1 Remediation Plan (2RP-634)
July 6, 2020

Page 3 of 4

4.0 Proposed Soil Remediation Work Plan

SMA proposes excavation and removal of contaminated soil, along with the placement of a liner at the most impacted areas. The impacted area surrounding sample points (S1 & S5) will be excavated to four (4) feet bgs, followed by the placement of a 40-mil liner to prevent further migration of contaminants. The area surrounding sample point (S2) will be excavated to approximately two (2) feet bgs, and the area surrounding sample point (S3) will be excavated to three (3) feet bgs. SMA will guide the excavation by collecting composite soil samples for field screens using the methods above.

The release area will be excavated to the NMOCD Closure Criteria as demonstrated in the attached Table 2. In addition, the top four (4) feet of impacted areas off of the well pad will meet the Reclamation requirement of 19.15.29.13(D)(1).

Confirmation samples will be comprised of representative wall and base 5-point composite samples, in accordance with a systematic sampling approach, as defined by SW846 using Gilbert, 1987 equation 5.2.3 for Stratified Random Sampling (Appendix C). This systematic method meets the EPAs data quality assessment standards (DQA) for composite sampling.

Approximately 315 cubic yards of contaminated soil is expected to be removed and replaced with topsoil material from a nearby source in order to return the surface to previous contours. The contaminated soil will be transported for disposal at R360 Environmental Solutions near Hobbs, NM, an NMOCD permitted disposal facility. Upon approval by NMOCD, the projected timeline for completion of remediation activities is approximately 90 days.

5.0 Scope and Limitations

The scope of our services included: assessment sampling; verifying release stabilization, regulatory liaison, and preparing this remediation plan. All work has been performed in accordance with generally accepted professional environmental consulting practices for oil and gas releases in the Permian Basin in New Mexico.

If there are any questions regarding this report, please contact either Ashley Maxwell at 505-320-9241 or Shawna Chubbuck at 505-325-7535.

Submitted by:
SOUDER, MILLER & ASSOCIATES

Reviewed by:



Ashley Maxwell
Project Manager

Shawna Chubbuck
Senior Scientist

Ford State #1 Remediation Plan (2RP-634)
July 2, 2020

Page 4 of 4

ATTACHMENTS:

Figures:

Figure 1: Vicinity and Well Head Protection Map
Figure 2: Surface Water Radius Map
Figure 3: Site and Sample Location Map

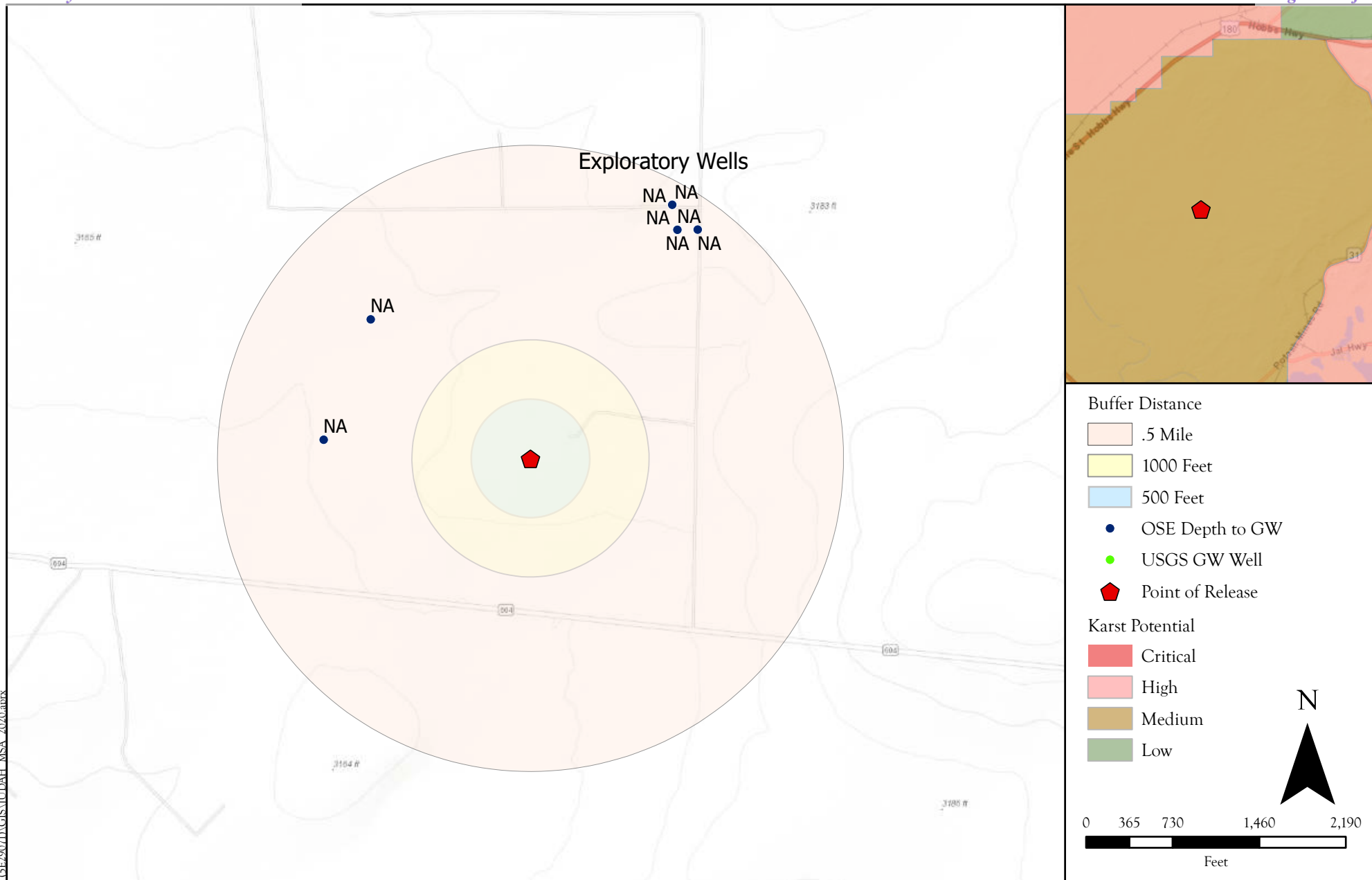
Tables:

Table 2: NMOCD Closure Criteria Justification
Table 3: Summary of Sample Results

Appendices:

Appendix A: Form C141
Appendix B: NMOSE Wells Report
Appendix C: VSP
Appendix D: Laboratory Analytical Reports

FIGURES



Site Map
Ford State #002-Judah Oil
S2- T22S- R28E Eddy County, New Mexico

Figure 1

P:\51 Judah 2020 MSA On Call Services (SEP200711) GIS\JUDAH MSA 2020.mxd
Date Saved:
7/2/2020

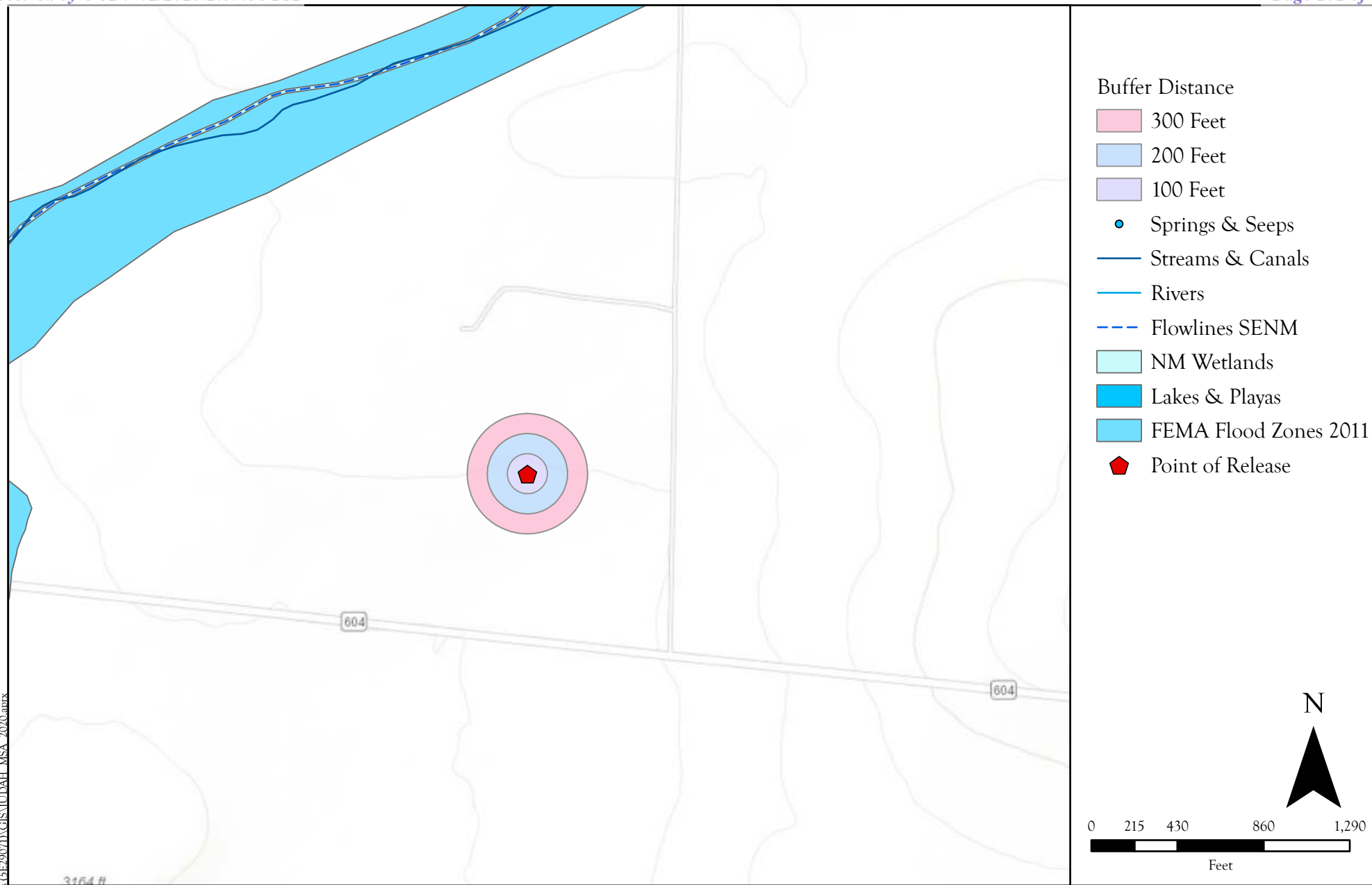
Revisions
By: _____ Date: _____ Descr: _____
By: _____ Date: _____ Descr: _____

Drawn Sebastian Orozco
Date 7/6/2020
Checked _____
Approved _____



201 South Halaguena Street
Carlsbad, New Mexico 88221
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Surface Water Protection Map
 Ford State #001- Judah Oil
 S2- T22S- R28E Eddy County, New Mexico

Figure 2

Revisions

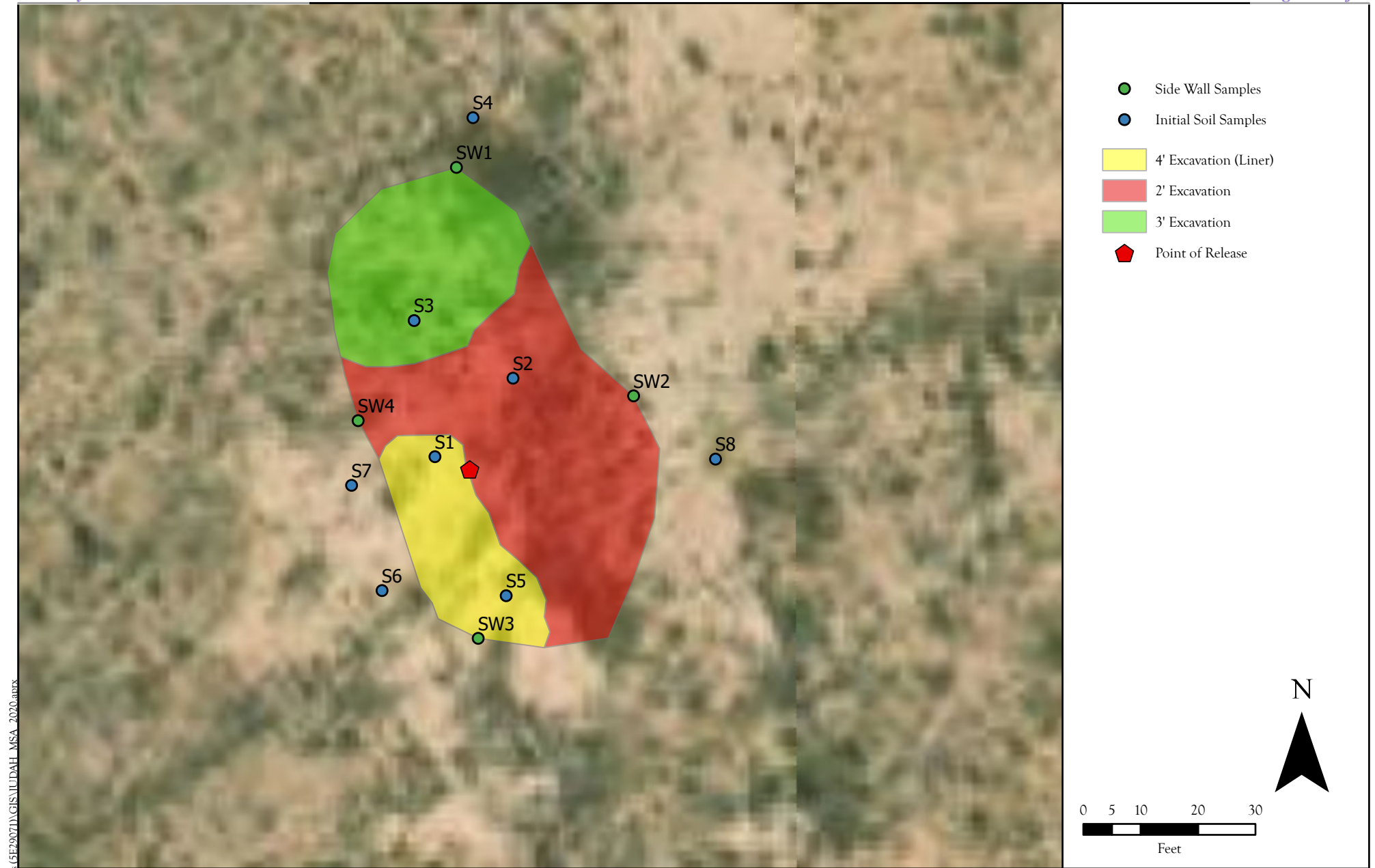
By: _____ Date: _____ Descr: _____
 By: _____ Date: _____ Descr: _____

Drawn Sebastian Orozco
 Date 7/2/2020
 Checked _____
 Approved _____



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Site and Sample Location Map
 Ford State #001- Judah Oil
 S2- T22S- R28E Eddy County, New Mexico

Figure 3

P:\51 Judah 2020 MSA On Call Services (SEP200711)\GIS\JUDAH MSA 2020.auxx
 Date Saved:
 7/2/2020

Revisions		
By: _____	Date: _____	Descr: _____
By: _____	Date: _____	Descr: _____

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Drawn	Sebastian Orozco
Date	7/2/2020
Checked	_____
Approved	_____



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TABLES

Table 2:
NMOCD Closure CriteriaJudah Oil LLC
Ford State #1 (2RP-634)

Site Information (19.15.29.11.A(2, 3, and 4) NMAC)		Source/Notes
Depth to Groundwater (feet bgs)	140	NMOSE
Horizontal Distance From All Water Sources Within 1/2 Mile (ft)	-	N/A
Horizontal Distance to Nearest Significant Watercourse (ft)	1,980	Unnamed Draw (North West)

Closure Criteria (19.15.29.12.B(4) and Table 1 NMAC)						
Depth to Groundwater		Closure Criteria (units in mg/kg)				
		Chloride *numerical limit or background, whichever is greater	TPH	GRO + DRO	BTEX	Benzene
< 50' BGS		600	100		50	10
51' to 100'		10000	2500	1000	50	10
>100'	X	20000	2500	1000	50	10
Surface Water	yes or no	if yes, then				
<300' from continuously flowing watercourse or other significant watercourse?	No	600	100		50	10
<200' from lakebed, sinkhole or playa lake?	No					
Water Well or Water Source						
<500 feet from spring or a private, domestic fresh water well used by less than 5 households for domestic or stock watering purposes?	No					
<1000' from fresh water well or spring?	No					
Human and Other Areas						
<300' from an occupied permanent residence, school, hospital, institution or church?	No					
within incorporated municipal boundaries or within a defined municipal fresh water well field?	No					
<100' from wetland?	No					
within area overlying a subsurface mine	No					
within an unstable area?	No (Med)					
within a 100-year floodplain?	No					

Table 3:
Summary of Sample Results

Judah Oil
Ford State #1 (RP#)

Sample ID	Sample Date	Depth (feet bgs)	Proposed Action/ Action Taken	BTEX mg/Kg	Benzene mg/Kg	GRO mg/Kg	DRO mg/Kg	MRO mg/Kg	Total TPH mg/Kg	Cl- mg/Kg
NMOCD Reclamation Requirements (0-4 ft)				50	10	1,000			100	600
NMOCD Closure Criteria (>4ft)				50	10	1,000			2,500	20,000
S1	4/8/2020	2	excavate	16.08	<0.12	490	5,800	2,300	8,590	330
		4	excavate	-	-	110	1,500	590	2,200	-
		6	excavate	-	-	<4.9	280	150	430	-
		11	excavate	-	-	<4.9	51	<47	51	-
S2	2/28/2020	1	excavate	<1.08	<0.12	<24	3000	3200	6200	130
		2	in- situ	<0.224	<0.025	<5.0	<9.1	<46	<60.1	250
		4	in- situ	-	-	<5.0	<9.5	<48	<62.5	-
		5	in- situ	-	-	<4.9	<9.7	<49	<63.6	-
S3	4/8/2020	2	excavate	<0.222	<0.025	<4.9	65	170	235	<60
		3	in- situ	-	-	<5.0	25	59	84	-
		4	in- situ	-	-	<5.0	10	<47	10	-
S4	2/28/2020	1	in- situ	<0.207	<0.023	<4.6	<9.6	<48	<62.2	<60
S5	2/28/2020	1	excavate	<1.08	<0.12	<24	69	200	269	200
	4/8/2020	2	excavate	2.15	<0.20	100	2,400	1,300	2,800	390
		3	excavate	-	-	52	1,300	790	2,142	-
		4	excavate	-	-	30	730	480	1,240	-
	6/15/2020	5	in- situ	<0.217	<0.024	<4.8	<9.1	<46	<60	<60
S6	4/8/2020	1	in- situ	<0.224	<0.025	<5.0	<10	<50	<65.0	190
		2	in- situ	<0.224	<0.025	<5.0	<9.5	<48	<62.5	220
		4	in- situ	-	-	<4.9	<9.8	<49	<63.7	-
S7	4/8/2020	1	in- situ	<0.221	<0.025	<4.9	23	<47	23	110
		2	in- situ	<0.224	<0.025	<5.0	<9.8	<49	<63.8	100
		4	in- situ	-	-	<4.9	11	<48	11	-
S8	2/28/2020	1	in- situ	<0.216	<0.024	<4.8	<9.8	<49	<63.6	140
SW1	4/8/2020	surface	in- situ	<0.222	<0.025	<4.9	<8.9	<45	<58.8	<60
SW2	4/8/2020	surface	in- situ	<0.222	<0.025	<4.9	<9.7	<48	<62.6	<60
SW3	4/8/2020	surface	in- situ	<1.11	<0.12	<25	<9.4	<47	<81.4	150
SW4	4/8/2020	surface	in- situ	<1.12	<0.12	<25	<9.0	<45	<79	<60

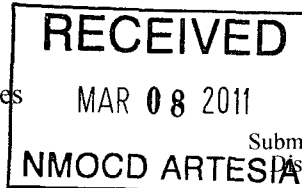
"-" = Not Analyzed

APPENDIX A

FORM C141

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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



Form C-141
Revised October 10, 2003
Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

NXMO 1106735785

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: Judah Oil, LLC <i>245872</i>	Contact: Blaise Campanella
Address: PO Box 568, Artesia, NM 88211-0568	Telephone No.: 575-748-5488 NMOCD 2RP No.: <i>634</i>
Facility Name: Ford State No. 1	Facility Type: Oil API No.: 30-015-22512
Surface Owner: State	Mineral Owner: State Lease No.: E4205

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	2	22S	28E	330	FNL	2310	FWL	Eddy

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release: Hydrocarbon and produced water.	Volume of Release: 42 bbls. oil * and 42 bbls. produced water	Volume Recovered: None due to duration, rapid horizontal and vertical absorption.
Source of Release: Split in poly flowline caused by vehicle driving over it.	Date and Hour of Occurrence: Estimated 4 February 2011.	Date and Hour of Discovery: 18 February 2011 1000 Hrs.
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher	
By Whom? Blaise Campanella / Cheryl Winkler	Date and Hour: Approximately 1600 Hrs. 3 March 2010*	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. N/A	
If a Watercourse was Impacted, Describe Fully.* N/A		

Describe Cause of Problem and Remedial Action Taken.* Upon discovery, the polyline was immediately repaired and the discharge ceased. Subsequently, Judah Oil has taken immediate, proactive steps to remove the contaminated soils to an authorized disposal facility as soon as possible. Samples will be taken and following that, the NMOCD shall be notified of the soil chloride levels such that discernment may be employed in implementing the *Corrective Action Plan* as quickly as possible. Following excavation, confirmation samples will be taken to verify compliance with NMOCD standards.

Describe Area Affected and Cleanup Action Taken.*

Please refer to the *Final Remediation Report* for details.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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. In addition, NMOCD 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.

Signature:	OIL CONSERVATION DIVISION	
Printed Name: Blaise Campanella	Approved by District Supervisor:	
Title: Member/Manager	Approval Date: 3/8/2011	Expiration Date:
E-mail Address: judahoil@yahoo.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 3 March 2011 Phone: 575-748-5488	REMEDATION per OCD Rules and Guidelines. SUBMIT REMEDIATION PROPOSAL BY: 4/8/2011	

* Attach Additional Sheets If Necessary

Incident ID	
District RP	2RP-634
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>140</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	
District RP	2RP-634
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	2RP-634
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☒ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☒ Extents of contamination must be fully delineated.
- ☒ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

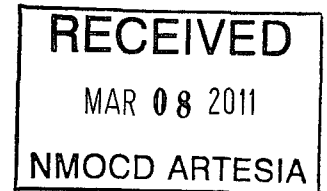
OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

Mr. James Blaise Campanella
Member/Manager
Judah Oil, LLC
PO Box 568
Artesia, NM 88211-0568



3 March 2011

Mr. Mike Bratcher
OIL CONSERVATION DIVISION
1301 West Grand Ave.
Artesia, NM 88210

Re: Ford State No. 1 Polyline Discharge *Corrective Action Plan*
U/L C Sec 2 22S 28E 330' FNL 2310' FWL State Lease No.: E4205
API No.: 30-015-22512
NMOCD 2RP No.: 634

Dear Mr. Bratcher:

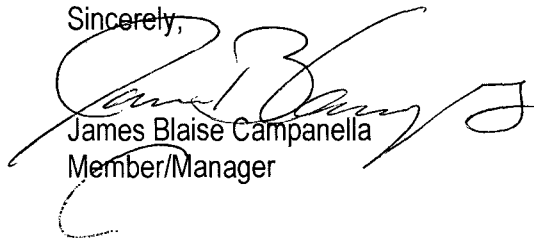
Judah Oil, LLC (Judah) herewith notifies the New Mexico Oil Conservation Division (NMOCD) that a hydrocarbon and produced water discharge occurred at the Ford State No. 1 which was discovered on 18 February 2011 by the pumper. The point of discharge occurred at a split that developed in the flowline running from the well to the remote tank battery when a geological survey crew drove across it.

Due to the fact that this point of discharge was approximately 640 feet from the Ford State No. 1 location and approximately 852 feet from the remote tank battery hidden in a dense grassy field exhibiting dull, straw-like winter killed vegetation supported within a noticeably undulating terrain, the discharge was not found immediately (photos enclosed). Production data indicates the discharge probably began on 4 February 2011 but remained unknown to the operator because the pumper apparently was not verifying or back checking his daily well production figures or he would have noticed something was wrong. When the monthly production figures reached Judah Oil's company office and the discrepancy was revealed, the pumper was severely reprimanded both for not notifying the office immediately and for repairing the flowline on 22 February 2011 and still not telling the office! However, the well was put back on line at this time.

Subsequently, Judah Oil has taken immediate proactive steps to remove the contaminated soils to an authorized disposal facility as soon as possible. Samples will be taken and following that, the NMOCD shall be notified of the soil chloride levels such that discernment may be employed in

implementing the *Corrective Action Plan* as quickly as possible. Following excavation, confirmation samples will be taken to verify compliance with NMOCD standards. Should you have questions, please call (575-748-5488).

Sincerely,

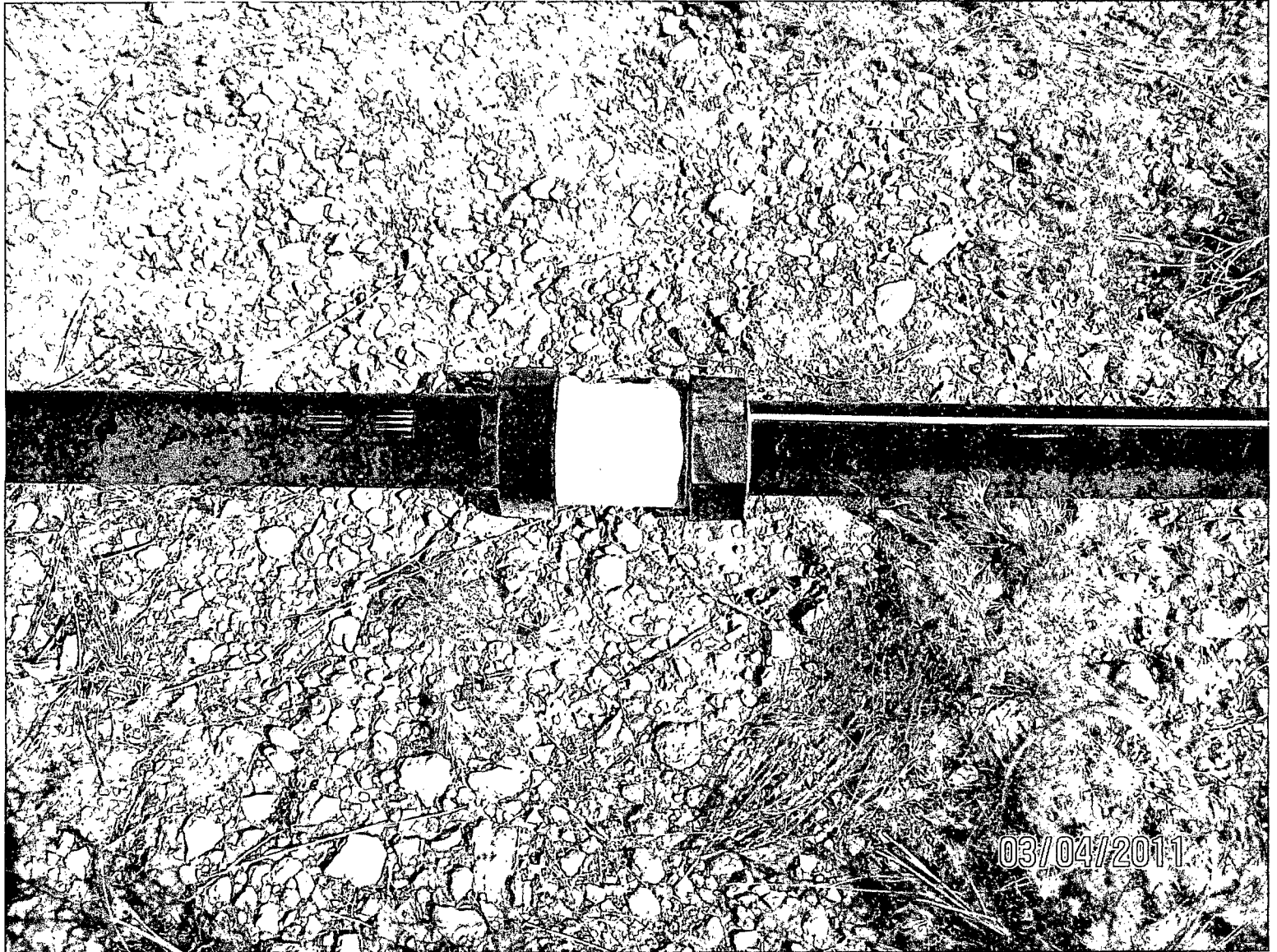


James Blaise Campanella
Member/Manager

Enclosures: Photos, Initial C-141







APPENDIX B

NMOSE WELLS REPORT

F lo.

NEW MEXICO OFFICE OF THE STATE ENGINEER

APPLICATION FOR PERMIT TO DRILL A WELL
WITH NO CONSUMPTIVE USE OF WATER

(check applicable box):

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

2.33850

- Purpose:
- ☐ Pollution Control And / Or Recovery ☐ Geo-Thermal
- ☒ Exploratory ☐ Construction Site De-Watering ☐ Other (Describe):
- ☐ Monitoring ☐ Mineral De-Watering

A separate permit will be required to apply water to beneficial use.

☐ Temporary Request - Requested Start Date: 5/20/2013

Requested End Date:

Plugging Plan of Operations Submitted? ☐ Yes ☒ No

1. APPLICANT(S)

Name: BOPCO, LP	Name:
Contact or Agent: check here if Agent <input checked="" type="checkbox"/> Ben J. Arguijo (Basin Environmental)	Contact or Agent: check here if Agent <input checked="" type="checkbox"/>
Mailing Address: 3100 Plains Hwy.	Mailing Address:
City: Lovington	City:
State: NM Zip Code: 88220	State: Zip Code:
Phone: (806)549-9597 <input type="checkbox"/> Home <input checked="" type="checkbox"/> Cell	Phone: <input type="checkbox"/> Home <input type="checkbox"/> Cell
Phone (Work):	Phone (Work):
E-mail (optional): bjarguijo@basinenv.com	E-mail (optional):

POD Renumbered

From: CP-1171

To: CP-01171 POD 1-5

FOR OSE INTERNAL USE

Application for Permit, Form wr-07, Rev 4/12/12

File Number: CP-1171	Trn Number: 527952
Trans Description (optional): POD 1-5	
Sub-Basin:	
PCW/LOG Due Date: 5-31-14	

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

Location Required: Coordinate location must be reported in NM State Plane (NAD 83), UTM (NAD 83), or Latitude/Longitude (Lat/Long - WGS84).

District II (Roswell) and District VII (Cimarron) customers, provide a PLSS location in addition to above.

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

Well Number (if known):	X or Easting or Longitude:	Y or Northing or Latitude:	Provide if known: -Public Land Survey System (PLSS) (Quarters or Halves, Section, Township, Range) OR - Hydrographic Survey Map & Tract; OR - Lot, Block & Subdivision; OR - Land Grant Name
SB-6 CP-1171 POD1	104 3 19.5 w	32 26 2.1 n	Unit Letter "J" (NW/SE), Section 35, Township 21 South, Range 28 East
SB-7 CP-1171 POD2	104 3 19.5 w	32 26 2.1 n	Unit Letter "J" (NW/SE), Section 35, Township 21 South, Range 28 East
SB-8 CP-1171 POD3	104 3 19.5 w	32 26 2.1 n	Unit Letter "J" (NW/SE), Section 35, Township 21 South, Range 28 East
SB-9 CP-1171 POD4	104 3 19.5 w	32 26 2.1 n	Unit Letter "J" (NW/SE), Section 35, Township 21 South, Range 28 East
SB-10 CP-1171 POD5	104 3 19.5 w	32 26 2.1 n	Unit Letter "J" (NW/SE), Section 35, Township 21 South, Range 28 East

NOTE: If more well locations need to be described, complete form WR-08 (Attachment 1 – POD Descriptions)

Additional well descriptions are attached: ☐ Yes ☒ No If yes, how many _____

Other description relating well to common landmarks, streets, or other: See attached Site Location Map.

Well is on land owned by: US Department Of The Interior - Bureau Of Land Management

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

Approximate depth of well (feet): 50.00

Outside diameter of well casing (inches): 0.00

Driller Name: Straub Corporation

Driller License Number: WD1478

3. ADDITIONAL STATEMENTS OR EXPLANATIONS

Up to five (5) soil borings will be drilled on-site to investigate the vertical and horizontal extent of contamination following a series of produced water and/or crude oil releases at BOPCO's Indian Flats Bass Federal Salt Water Disposal (SWD) site. The exact number, location(s), and depth(s) of the soil bore(s) will be determined on the drilling date by field-screens using a chloride test kit and/or Photo-Ionization Detector. Due to the depth to water at the location (approximately 140 feet below ground surface), it is unlikely that monitor wells will be required.

FOR OSE INTERNAL USE

Application for Permit, Form wr-07

File Number:

CP-1171

Trn Number:

527952

Page 2 of 3

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

SPECIFIC CONDITIONS OF APPROVAL

- 4 No water shall be appropriated and beneficially used under this permit.
- 7 The Permittee shall utilize the highest and best technology available to ensure conservation of water to the maximum extent practical.
- B The well shall be drilled by a driller licensed in the State of New Mexico in accordance with Section 72-12-12 New Mexico Statutes Annotated.
- C Driller's well record must be filed with the State Engineer within 20 days after the well is drilled or driven. Well record forms will be provided by the State Engineer upon request.
- C2 No water shall be diverted from this well except for testing purposes which shall not exceed ten (10) cumulative days, and well shall be plugged or capped on or before , unless a permit to use water from this well is acquired from the Office of the State Engineer.
- P The well shall be constructed, maintained, and operated to prevent inter-aquifer exchange of water and to prevent loss of hydraulic head between geologic zones.
- LOG The Point of Diversion CP 01171 POD1 must be completed and the Well Log filed on or before 05/31/2014.
- LOG The Point of Diversion CP 01171 POD2 must be completed and the Well Log filed on or before 05/31/2014.

Trn Desc: CP-1171 POD1-5 EXPL

File Number: CP 01171

Trn Number: 527952

page: 1

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

SPECIFIC CONDITIONS OF APPROVAL (Continued)

LOG The Point of Diversion CP 01171 POD3 must be completed and the Well Log filed on or before 05/31/2014.

LOG The Point of Diversion CP 01171 POD4 must be completed and the Well Log filed on or before 05/31/2014.

LOG The Point of Diversion CP 01171 POD5 must be completed and the Well Log filed on or before 05/31/2014.

ACTION OF STATE ENGINEER

Notice of Intention Rcvd:	Date Rcvd. Corrected:
Formal Application Rcvd: 05/14/2013	Pub. of Notice Ordered:
Date Returned - Correction:	Affidavit of Pub. Filed:

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

Witness my hand and seal this 22nd day of May A.D., 2013

Scott A. Verhines, P.E., State Engineer

By: 

Andy Morley

Trn Desc: CP-1171 POD1-5 EXPL

File Number: CP 01171

Trn Number: 527952

page: 2

2-32017

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

2.33950

Release Notification and Corrective Action

NMCD 1205242397

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company BOPCO, L.P.	260737	Contact Tony Savoie
Address 522 W. Mermod, Suite 704 Carlsbad, N.M. 88220		Telephone No. 432-556-8730
Facility Name: Indian Flats Bass Federal #1 SWD		Facility Type: E&P

30-015-24962

Surface Owner Federal	Mineral Owner Federal	Lease No. LC-067144
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LOCATION OF RELEASE

Unit Letter J	Section 35	Township 21S	Range 28E	Feet from the	North/South Line	Feet from the	East/West Line	County Eddy
------------------	---------------	-----------------	--------------	---------------	------------------	---------------	----------------	----------------

Latitude N 32.433905 Longitude W 104.055425

NATURE OF RELEASE

Type of Release: Produced water	Volume of Release: 200 bbls	Volume Recovered: 160 bbls
Source of Release: 1/2" fitting on the pump discharge line.	Date and Hour of Occurrence 2/8/12 time unknown	Date and Hour of Discovery 2/8/12 9:00 a.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher	
By Whom? Tony Savoie	Date and Hour 2/8/12 11:44 a.m.	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse	

RECEIVED

FEB 20 2012

NMOCD ARTESIA

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* a 1/2" fitting on the discharge of the salt water disposal pump broke. The fitting was replaced.

Describe Area Affected and Cleanup Action Taken.*The released fluid affected approximately 10,875 sq. ft. area around the pump, lease road and caliche well pad. The free standing fluid was picked up with a vacuum truck and the saturated soil was scraped up and stockpiled on-site.
The Site remediation for the produced water will follow the NMOCD guidelines for leaks and spills.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

OIL CONSERVATION DIVISION

Signature: Tony Savoie

Approved by District Supervisor:

Signed By: Mike Bratcher

Printed Name: Tony Savoie

Title: Waste Mgmt. & Remediation Specialist

Approval Date: FEB 21 2012

Expiration Date:

E-mail Address: TASavoie@BassPet.com

Conditions of Approval:

Attached ☐

Date: 2/20/12

Phone: 432-556-8730

Remediation per OCD Rules &
Guidelines. SUBMIT REMEDIATION
PROPOSAL NOT LATER THAN:
3/21/2012

2RP-1037

* Attach Additional Sheets If Necessary

2.33050

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
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side of form

Release Notification and Corrective Action

nJMW 1219350779		OPERATOR	<input checked="" type="checkbox"/> Initial Report	<input type="checkbox"/> Final Report
Name of Company BOPCO, L.P. 260737		Contact Tony Savoie		
Address 522 W. Mermod, Suite 704 Carlsbad, N.M. 88220		Telephone No. 432-556-8730		
Facility Name: Indian Flats Bass Federal #1 SWD		Facility Type: E&P		

Surface Owner Federal	Mineral Owner Federal	Lease No. LC-067144	APR
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Indian Flats Bass Fed #1

LOCATION OF RELEASE

30-015-24968

Unit Letter J	Section 35	Township 21S	Range 28E	Feet from the	North/South Line	Feet from the	East/West Line	County Eddy
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Latitude N 32.433905 Longitude W 104.055425

NATURE OF RELEASE

Type of Release: Produced water	Volume of Release: 50 bbls	Volume Recovered: 10 bbls
Source of Release: A SWD pump	Date and Hour of Occurrence 5/23/12 time unknown	Date and Hour of Discovery 5/23/12 9:00 a.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? NMOCD Emergency #104	
By Whom? Tony Savoie	Date and Hour 5/23/12 1:30 p.m.	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	
If a Watercourse was Impacted, Describe Fully.*		
Describe Cause of Problem and Remedial Action Taken.* A 1" valve was left open on the pump causing the sump to overflow. The valve was closed.		
Describe Area Affected and Cleanup Action Taken.* The released fluid affected approximately 8,000 sq. ft. area around the pump, lease road and caliche well pad. The free standing fluid was picked up with a vacuum truck and the saturated soil was scraped up and stockpiled on-site. The spill covered the same area as another spill reported on 2/8/12. The Site remediation for the produced water will follow the NMOCD guidelines for leaks and spills.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.		

Signature: Tony Savoie		OIL CONSERVATION DIVISION	
Printed Name: Tony Savoie		Approved by District Supervisor:	
Title: Waste Mgmt. & Remediation Specialist		Signed By: [Signature]	
E-mail Address: TASavoie@BassPet.com		Approval Date: JUL 11 2012 Expiration Date:	
Date: 6/24/12 Phone: 432-556-8730		Conditions of Approval:	
		Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary

Remediation per OCD Rules &
Guidelines. SUBMIT REMEDIATION
PROPOSAL NOT LATER THAN:

8/11/12

2RP-1208



District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

Operator ☒ Initial Report ☐ Final Report

Name of Company BOPCO, L.P. **Contact** Tony Savoie
Address 522 W. Mermod, Suite 704 Carlsbad, N.M. 88220 **Telephone No.** 432-556-8730
Facility Name: Indian Flats Bass Federal #1 SWD **Facility Type:** E&P

Surface Owner Federal **Mineral Owner Federal** **Lease No.** LG-067144-~~APL~~

Indian Flats Bass Fed #1

LOCATION OF RELEASE

30-015-24968

Unit Letter J	Section 35	Township 21S	Range 28E	Feet from the	North/South Line	Feet from the	East/West Line	County Eddy
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Latitude N 32.433905 Longitude W 104.055425

NATURE OF RELEASE

Type of Release: Produced water	Volume of Release: 80 bbls	Volume Recovered: 20 bbls
Source of Release: A salt water transfer pump.	Date and Hour of Occurrence 5/25/12 time unknown	Date and Hour of Discovery 5/25/12 9:00 a.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher	
By Whom? Tony Savoie	Date and Hour 5/25/12 11:40 a.m.	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	
If a Watercourse was Impacted, Describe Fully.*		
Describe Cause of Problem and Remedial Action Taken.* A gauge broke on the pump, water was sprayed outside the containment area on the caliche pad and road at the facility. The gauge was replaced.		
Describe Area Affected and Cleanup Action Taken.* The released fluid affected approximately 5,000 sq. ft. area around the pump, lease road and caliche well pad. The free standing fluid was picked up with a vacuum truck. The release is in the same location as previous spills of 2/8/12 and 5/23/12. An air rotary rig was used to determine the vertical extent of the first release. A rig will be re-scheduled to delineate the recent spills. The Site remediation for the produced water will follow the NMOCD guidelines for leaks and spills.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.		

Signature: <i>Tony Savoie</i>		OIL CONSERVATION DIVISION	
Printed Name: Tony Savoie		Approved by District Supervisor: Signed By <i>Mike Bratcher</i>	
Title: Waste Mgmt. & Remediation Specialist		Approval Date: JUL 11 2012	Expiration Date:
E-mail Address: TASavoie@BassPet.com		Conditions of Approval:	Attached <input type="checkbox"/>
Date: 6/24/12	Phone: 432-556-8730		

* Attach Additional Sheets If Necessary

Remediation per OCD Rules &
Guidelines. **SUBMIT REMEDIATION
PROPOSAL NOT LATER THAN:**

8/11/12

2RP-1209



2-32017

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-141
Revised October 10, 2003
Submit 2 Copies to appropriate
District Office in accordance
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side of form

Release Notification and Corrective Action

n-TMW 1219348842 OPERATOR ☒ Initial Report ☐ Final Report
Name of Company BOPCO, L.P. 260737 Contact Tony Savoie
Address 522 W. Mermod, Suite 704 Carlsbad, N.M. 88220 Telephone No. 432-556-8730
Facility Name: Indian Flats Bass Federal #1 Tank Battery Facility Type: E&P

Surface Owner Federal Mineral Owner Federal Lease No. LC-067144 APZ #

Indian Flats Bass Fed #1

LOCATION OF RELEASE

30-015-24968

Unit Letter J	Section 35	Township 21S	Range 28E	Feet from the	North/South Line	Feet from the	East/West Line	County Eddy
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Latitude N 32.433905 Longitude W 104.055425

NATURE OF RELEASE

Type of Release: Crude oil	Volume of Release: 15 bbls	Volume Recovered: 5 bbls
Source of Release: 3" fill line to the tanks.	Date and Hour of Occurrence 6/21/12 time 1:00 p.m.	Date and Hour of Discovery 6/21/12 1:00 p.m.
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* Crews were installing a new heater treater at the location when a 3" line coming from the flow line header to the tanks broke. A vacuum truck was on-site removing oil from the separators and was used to recover the spilled fluid.

Describe Area Affected and Cleanup Action Taken.* The released fluid affected approximately 1500 sq. ft. inside the tank battery earthen containment. The free standing fluid was picked up with a vacuum truck.

The Site remediation for the crude oil will follow the NMOCD guidelines for leaks and spills.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: <u>Tony Savoie</u>	OIL CONSERVATION DIVISION	
Printed Name: Tony Savoie	Approved by District Supervisor: Signed By <u>Mike Benavente</u>	
Title: Waste Mgmt. & Remediation Specialist	Approval Date: <u>6/11/2012</u>	Expiration Date:
E-mail Address: TASavoie@BassPet.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 6/24/12	Phone: 432-556-8730	

* Attach Additional Sheets If Necessary

Remediation per OCD Rules &
Guidelines. SUBMIT REMEDIATION
PROPOSAL NOT LATER THAN:

8/11/12

2RP-1207

RECEIVED

JUN 26 2012

NMOCD ARTESIA

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
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side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

nJMW1235328868
Name of Company BOPCO, L.P. 260737 Contact Tony Savoie
Address 522 W. Mermod, Suite 704 Carlsbad, N.M. 88220 Telephone No. 432-556-8730
Facility Name: Indian Flats Bass Federal #1 SWD Facility Type: E&P

Surface Owner Federal Mineral Owner Federal Lease No. LC-067144

LOCATION OF RELEASE

API#30-015-24968

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
J	35	21S	28E					Eddy

Latitude N 32.433905 Longitude W 104.055425

NATURE OF RELEASE

Type of Release: Produced water	Volume of Release: 80 bbls	Volume Recovered: 70 bbls
Source of Release: A salt water transfer pump.	Date and Hour of Occurrence 11/27/12 time unknown	Date and Hour of Discovery 11/27/12 1:00 p.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? NMOCD emergency #104	
By Whom? Tony Savoie	Date and Hour 11/27/12 2:30 p.m.	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

RECEIVED
DEC 17 2012
NMOCD ARTESIA

Describe Cause of Problem and Remedial Action Taken.* A backpressure valve broke on the pump, water was sprayed outside the containment area on the caliche pad and road at the facility. The valve was replaced.

Describe Area Affected and Cleanup Action Taken.* The released fluid affected approximately 4,500 sq. ft. area around the pump, lease road and caliche well pad. The free standing fluid was picked up with a vacuum truck. The release is in the same location as previous spills. An air rotary rig was used to determine the vertical extent of the first release. A rig was on location 12/12/12 and advanced 5 soil bores at various locations around the tank battery location, samples were collected to determine vertical extent. A remediation plan will be developed and submitted to the NMOCD.
The Site remediation for the produced water will follow the NMOCD guidelines for leaks and spills.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: Tony Savoie	OIL CONSERVATION DIVISION	
Printed Name: Tony Savoie	Approved by District Supervisor:	Signed By: Mike Benavidez
Title: Waste Mgmt. & Remediation Specialist	Approval Date: DEC 18 2012	Expiration Date:
E-mail Address: TASavoie@BassPet.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 12/17/12 Phone: 432-556-8730		

* Attach Additional Sheets If Necessary

Remediation per OCD Rules &
Guidelines. **SUBMIT REMEDIATION
PROPOSAL NOT LATER THAN:**
January 18, 2013

2RP-1457



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Carlsbad Field Office
620 E. Greene St.
Carlsbad, New Mexico 88220-6292
www.blm.gov/nm



In Reply Refer To:
3162.4 (NM-080)
NMLC067144

May 13, 2013

2-33050

NM Office of the State Engineer
Attn: Bill Duemling
1900 W. Second St.
Roswell, NM 99201

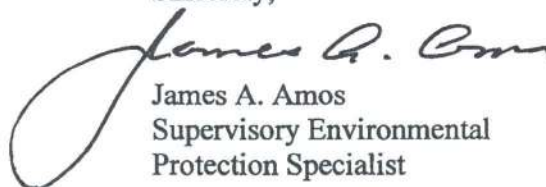
RE: NMLC067144; Indian Flats Bass Federal #1 SWD
NWSE, Section 35, T21S-R28E
Latitude: 32.433816, Longitude: -104.055308
Eddy County, New Mexico

Gentlemen:

The above well location has had recent spill events related to oil and gas operation on the above well location. In order to fully delineate the impacted sites, a drilling unit will be needed to complete the delineation. The Bureau of Land Management (land owner) authorizes the use of a drilling unit to accomplish the full delineation of the site.

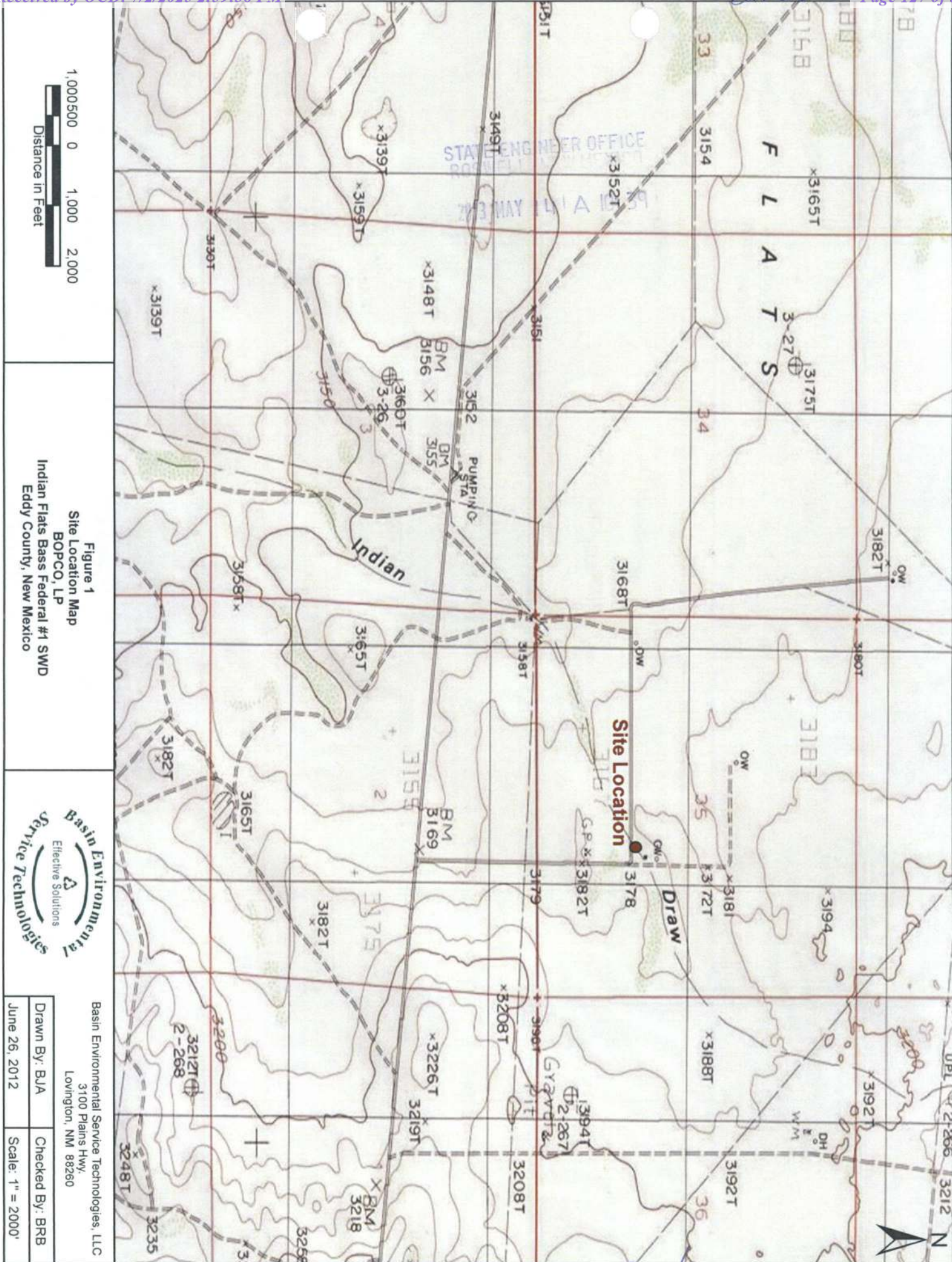
If there are any questions please call Jim Amos, Supervisory Environmental Protection Specialist, at (505) 234-5909.

Sincerely,


James A. Amos
Supervisory Environmental
Protection Specialist

STATE ENGINEER OFFICE
ROSSELL, NM 99201
2013 MAY 14 AM 10:30

CP-1171/527952



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

2.33050

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

ACKNOWLEDGEMENT

I, We (name of applicant(s)), Ben J. Arguijo

Print Name(s)

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

Applicant Signature

Applicant Signature

ACTION OF THE STATE ENGINEER

This application is:

☒ approved ☐ partially approved ☐ denied

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

Witness my hand and seal this 22nd day of May 20 13, for the State Engineer,

Scott A Verhines, P.E., State Engineer

By:

Signature

Print

Title: Andy Morley, District II Manager

Print

FOR OSE INTERNAL USE

Application for Permit, Form wr-07

File Number:

CP 1171

Trn Number:

527952

Page 3 of 3

Scott A. Verhines, P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

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

Trn Nbr: 527952
File Nbr: CP 01171

May. 22, 2013

BEN J ARGUIJO
BOPCO LP
3100 PLAINS HWY
LOVINGTON, NM 88260

Greetings:

Enclosed is your copy of the above numbered permit that has been approved subject to the conditions set forth on the approval page. In accordance with the conditions of approval, the well can only be tested for 10 cumulative days, and the well is to be plugged on or before 05/31/2014, unless a permit to use the water is acquired from this office.

A Well Record & Log (OSE Form wr-20) shall be filed in this office within twenty (20) days after completion of drilling, but no later than 05/31/2014.

Appropriate forms can be downloaded from the OSE website www.ose.state.nm.us or will be mailed upon request.

Sincerely,

Andy Morley
(575) 622-6521

Enclosure

File No.

C-3534

NEW MEXICO OFFICE OF THE STATE ENGINEER

APPLICATION FOR PERMIT TO DRILL A WELL
WITH NO CONSUMPTIVE USE OF WATER

(check applicable box):

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

Purpose: ☐ Pollution Control And / Or Recovery ☐ Geo-Thermal
☐ Exploratory ☐ Construction Site De-Watering ☐ Other (Describe):
☒ Monitoring ☐ Mineral De-Watering

A separate permit will be required to apply water to beneficial use.

☒ Temporary Request - Requested Start Date: 2/1/12Requested End Date: ~~2/1/12~~

Unknown

Plugging Plan of Operations Submitted: ☐ Yes ☒ No

STATE ENGINEER OFFICE
 ROSWELL, NEW MEXICO
 1 2012 FEB 10 10:38

1. APPLICANT(S)

Name: Tony Savoie BOPCO L.P.	Name: U.S. Dept. of Interior -- BLM
Contact or Agent: check here if Agent <input type="checkbox"/> Contact: Tony Savoie	Contact or Agent: check here if Agent <input type="checkbox"/> James A. Amos
Mailing Address: 522 W. Mermod, Suite 704	Mailing Address: 620 East Greene Street
City: Carlsbad	City: Carlsbad
State: NM Zip Code: 88220	State: NM Zip Code: 88220-6292
Phone: 432-556-8730 <input type="checkbox"/> Home <input checked="" type="checkbox"/> Cell Phone (Work): 575-887-7329	Phone: <input type="checkbox"/> Home <input type="checkbox"/> Cell Phone (Work): 575-234-5909
E-mail (optional): tasavoie@basspet.com	E-mail (optional): James@blm.gov

1 2012 FEB 10 10:38

STATE ENGINEER OFFICE
ROSWELL, NEW MEXICO

FOR OSE INTERNAL USE

Application for Permit, Form wr-07, Rev 12/14/11

File Number: C-3534	Trn Number: 496111
Trans Description (optional): Monitor Well	
Sub-Basin: C	
PCW LOG Due Date: 02/28/2013	

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

Location Required: Coordinate location must be reported in NM State Plane (NAD 83), UTM (NAD 83), or Latitude/Longitude (Lat/Long - WGS84)			
<input type="checkbox"/> NM State Plane (NAD83) (Feet) <input type="checkbox"/> NM West Zone <input type="checkbox"/> NM East Zone <input type="checkbox"/> NM Central Zone		<input type="checkbox"/> UTM (NAD83) (Meters) <input type="checkbox"/> Zone 12N <input type="checkbox"/> Zone 13N	
<input checked="" type="checkbox"/> Lat/Long (WGS84) (to the nearest 1/10 th of second)			
Well Number (if known):	X or Easting or Longitude:	Y or Northing or Latitude:	Optional: Complete boxes labeled "Other" below with PLSS (Public Land Survey System, i.e. Quarters, Section, Township, Range); Hydrographic Survey Map & Tract; Lot, Block & Subdivision; OR Land Grant Name if known.
SITE B TMW-1 POD 1			N 32° 24' 58.38" W 104° 4' 19.89" NWSESWSE, Section 03, T.28S, R.28E
NOTE: If more well locations need to be described, complete form WR-08 (Attachment 1 – POD Descriptions) Additional well descriptions are attached: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, how many _____ Other description relating well to common landmarks, streets, or other: U.L.P Section 3, Twms. 22S, Range 28E			
Well is on land owned by: Blm			
Well Information: NOTE: If more than one (1) well needs to be described, provide attachment. Attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, how many _____			
Approximate depth of well (feet): 147.86		Outside diameter of well casing (inches): 2.00	
Driller Name: Straub		Driller License Number: WD 1478	

3. ADDITIONAL STATEMENTS OR EXPLANATIONS

The temporary well was drilled to gather information on the estimated depth to ground water in relationship to 3 other soil bores that were advanced at the site for vertical delineation at a flow line spill area. The estimated depth to water prior to drilling was between 150 to 180 feet below ground surface. Water was encountered at a depth of approximately 106 ft. below ground surface. A temporary well was set and water samples were collected for Chloride and BTEX analysis. The chloride concentration was <15 mg/kg and BTEX was <.001. The NMOCD would like for this well to be completed as sentry monitor well. It is not known how long we will be required to monitor the groundwater at this point.

2017 FEB 10 A 10:38

STATE ENGINEER OFFICE
ROSWELL, NEW MEXICO

FOR USE INTERNAL USE

Application for Permit, Form wr-07

File Number:

C-3534

Trn Number:

495111

Page 2 of 3

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

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

ACKNOWLEDGEMENT

I, We (name of applicant(s)), John A. "Tony" Savoie

Print Name(s)

James A. Anos (BIM-CFO)

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

Tony Savoie 2/10/12
Applicant Signature

James A. Anos 2-10-12
Applicant Signature

ACTION OF THE STATE ENGINEER

This application is:

☒ Approved

☐ partially approved

☐ denied

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

Witness my hand and seal this 16th day of February, 2012, for the State Engineer,

Scott A. Verhines, P.E.

State Engineer

By: Bill Duemling
Signature

Bill Duemling

Print

Title: Carlsbad Basin Supervisor

Print

FOR USE INTERNAL USE

Application for Permit, Form wr-07

File Number:

C-3534

Trn Number:

495111

NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO MONITOR

SPECIFIC CONDITIONS OF APPROVAL

- 4 No water shall be appropriated and beneficially used under this permit.
- B The well shall be drilled by a driller licensed in the State of New Mexico in accordance with Section 72-12-12 New Mexico Statutes Annotated.
- C Driller's well record must be filed with the State Engineer within 20 days after the well is drilled or driven. Well record forms will be provided by the State Engineer upon request.
- LOG The Point of Diversion C 03534 POD1 must be completed and the Well Log filed on or before 02/28/2013.

NO WATER SHALL BE DIVERTED FROM THIS WELL EXCEPT FOR TESTING PURPOSES WHICH SHALL NOT EXCEED TEN (10) CUMULATIVE DAYS UNLESS A PERMIT TO USE WATER FROM THIS WELL IS ACQUIRED FROM THE OFFICE OF THE STATE ENGINEER.

SHOULD THE PERMITTEE CHANGE THE PURPOSE OF USE TO OTHER THAN MONITORING PURPOSES, AN APPLICATION SHALL BE ACQUIRED FROM THE OFFICE OF THE STATE ENGINEER.

THE WELL SHALL BE CONSTRUCTED, MAINTAINED AND OPERATED THAT EACH WATER SHALL BE CONFINED TO THE AQUIFER IN WHICH IT IS ENCOUNTERED.

ACTION OF STATE ENGINEER

Notice of Intention Rcvd: Date Rcvd. Corrected:
Formal Application Rcvd: 02/10/2012 Pub. of Notice Ordered:
Date Returned - Correction: Affidavit of Pub. Filed:

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

Witness my hand and seal this 16 day of Feb A.D., 2012

Scott A. Verhines, P.E., State Engineer

By: 

Bill Duemling, Basin Supv.

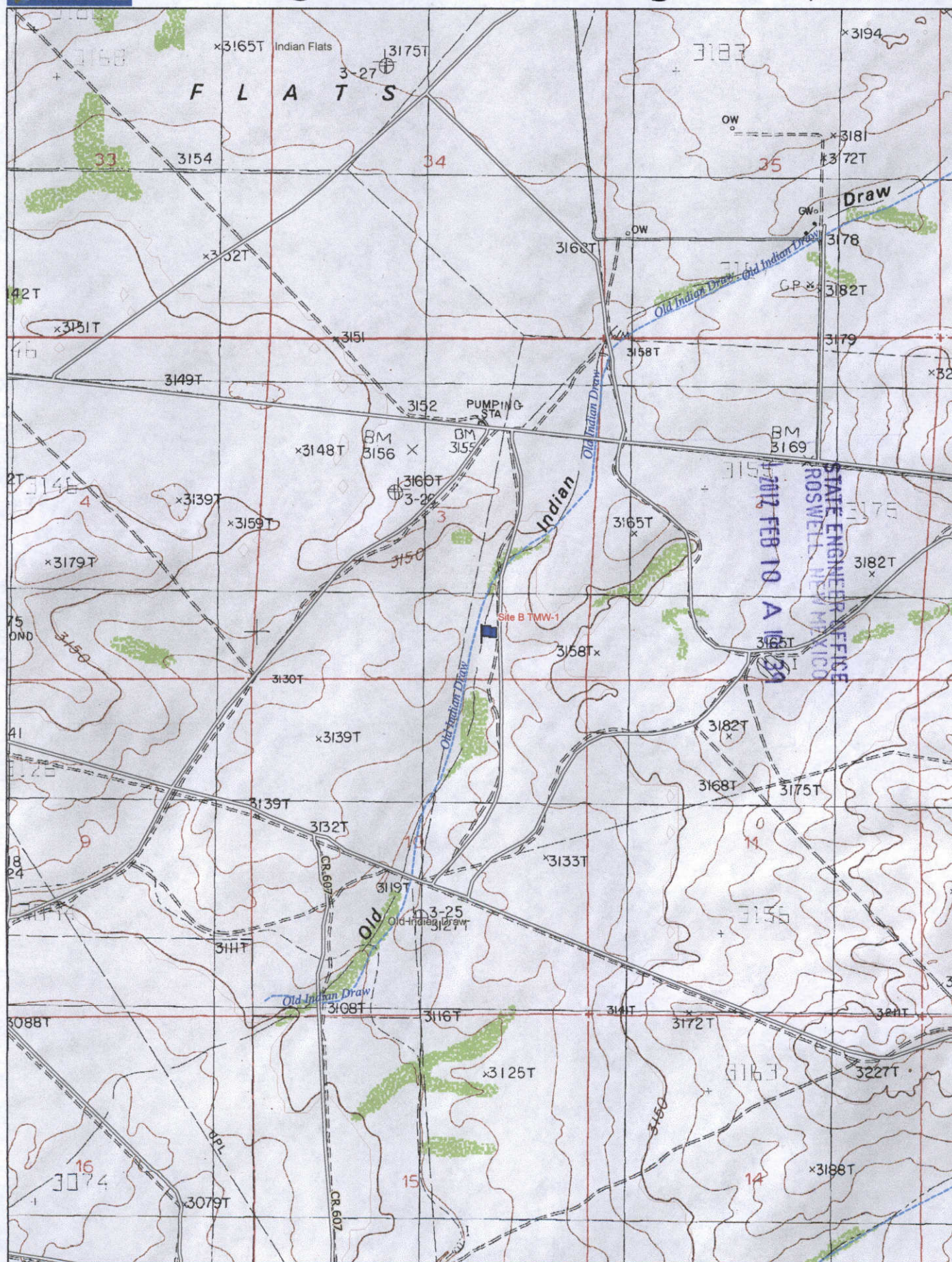
Trn Desc: C-03534-WATER QUALITY SAMPLING

File Number: C 03534

Trn Number: 495111



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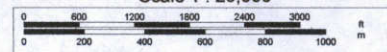


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www.delorme.com

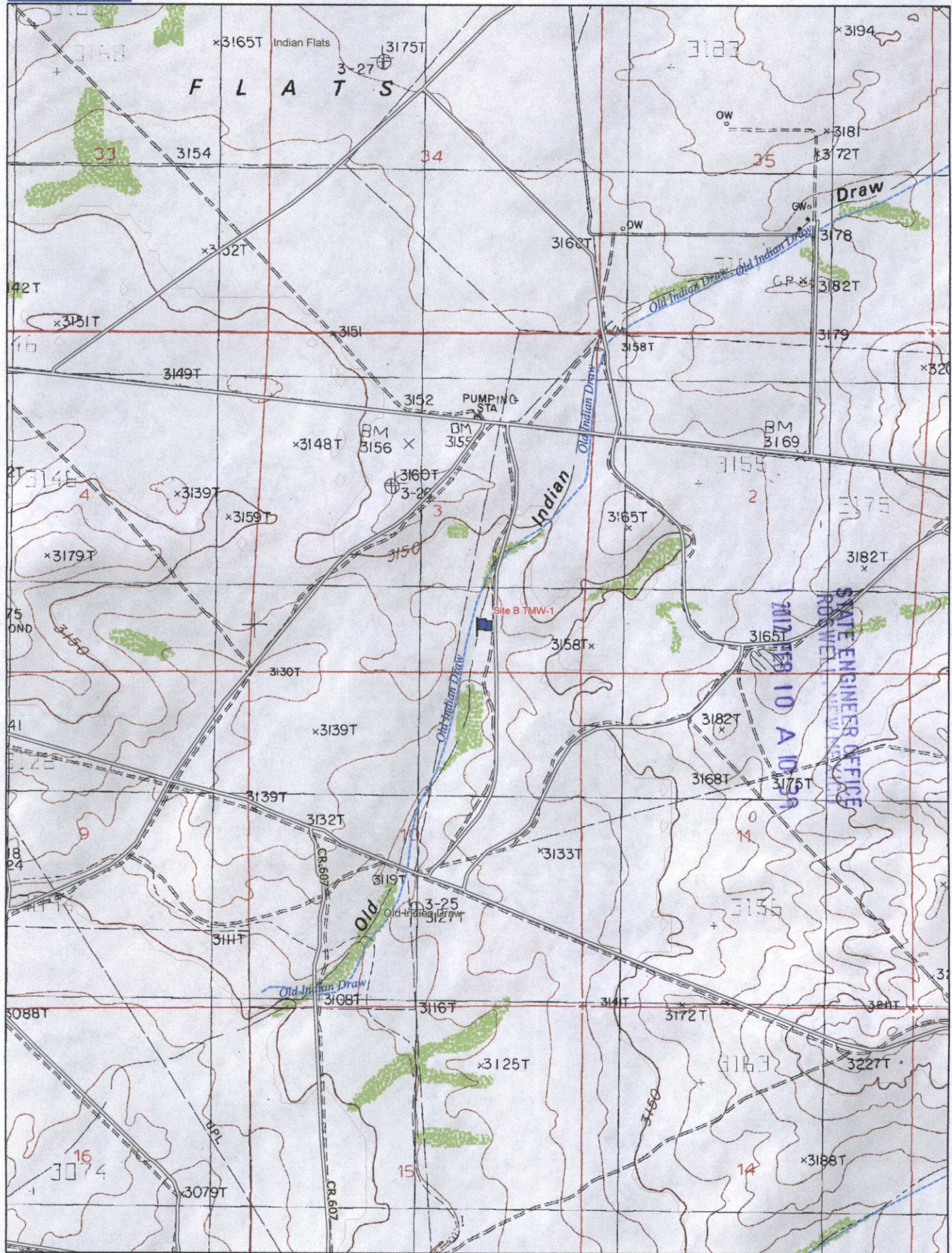
Scale 1 : 25,000



1" = 2,083.3 ft Data Zoom 13-0

DELORME

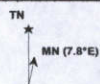
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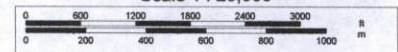
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Scale 1 : 25,000



1" = 2,083.3 ft

Data Zoom 13-0

Locator Tool Report**General Information:**

Application ID:30 Date: 02-15-2012 Time: 16:59:09

WR File Number: C-03534-POD1
Purpose: POINT OF DIVERSION

Applicant First Name: BOPCO LLP
Applicant Last Name: MONITOR WELL

GW Basin: CARLSBAD
County: EDDY

Critical Management Area Name(s): NONE
Special Condition Area Name(s): NONE
Land Grant Name: NON GRANT

PLSS Description (New Mexico Principal Meridian):

NW 1/4 of SE 1/4 of SW 1/4 of SE 1/4 of Section 03, Township 22S, Range 28E.

Coordinate System Details:**Geographic Coordinates:**

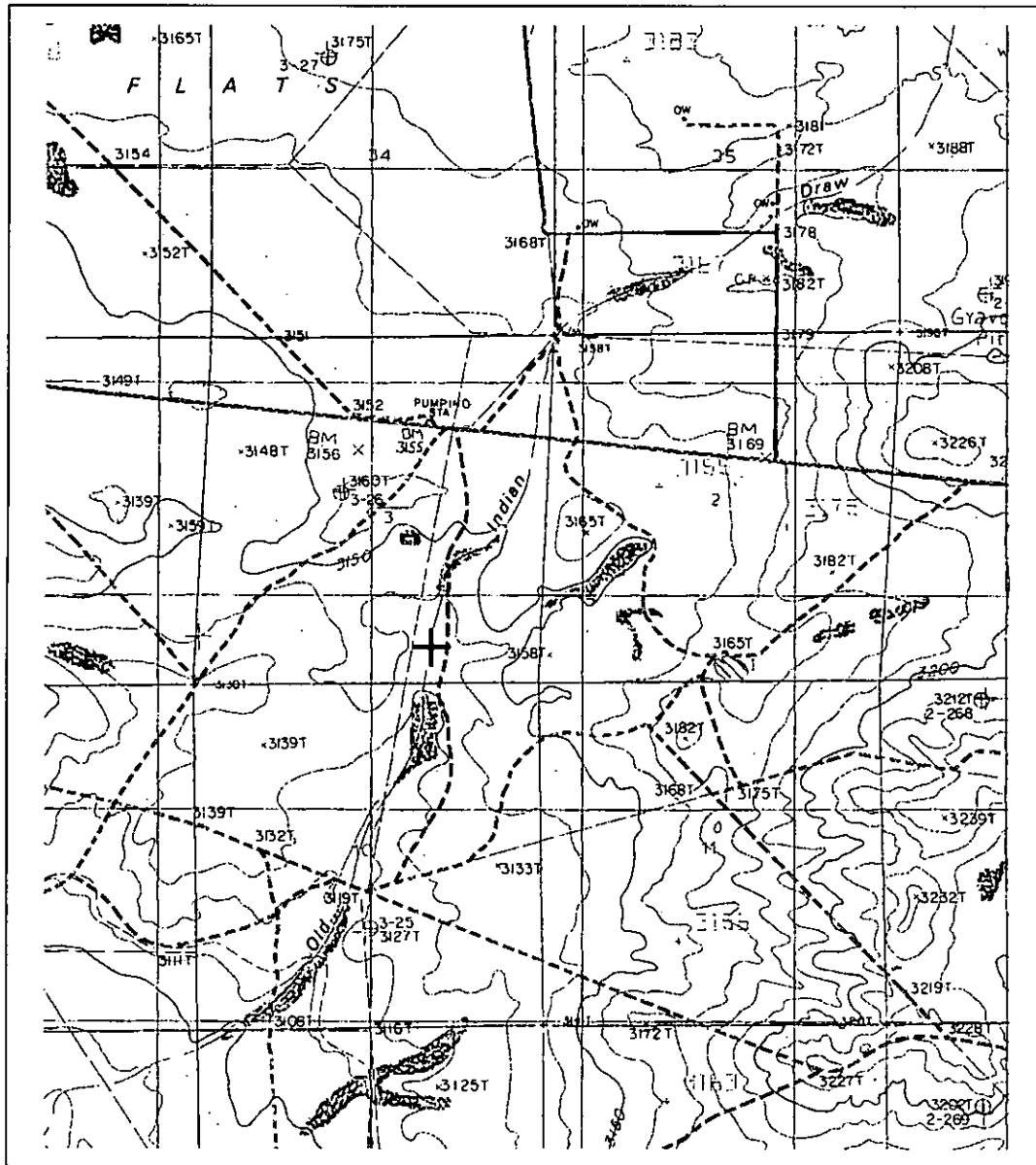
Latitude: 32 Degrees 24 Minutes 58.4 Seconds N
Longitude: 104 Degrees 4 Minutes 19.9 Seconds W

Universal Transverse Mercator Zone: 13N

NAD 1983(92) (Meters)	N: 3,586,950	E: 587,240
NAD 1983(92) (Survey Feet)	N: 11,768,186	E: 1,926,636
NAD 1927 (Meters)	N: 3,586,748	E: 587,289
NAD 1927 (Survey Feet)	N: 11,767,524	E: 1,926,797

State Plane Coordinate System Zone: New Mexico East

NAD 1983(92) (Meters)	N: 157,048	E: 189,562
NAD 1983(92) (Survey Feet)	N: 515,249	E: 621,921
NAD 1927 (Meters)	N: 157,030	E: 177,010
NAD 1927 (Survey Feet)	N: 515,189	E: 580,739

NEW MEXICO OFFICE OF STATE ENGINEER**Locator Tool Report**

WR File Number: C-03534-POD1 Scale: 1:34,654

Northing/Easting: UTM83(92) (Meter): N: 3,586,950 E: 587,240

Northing/Easting: SPCS83(92) (Feet): N: 515,249 E: 621,921

GW Basin: Carlsbad



Scott A. Verhines, P.E.
State Engineer

Roswell Office
1900 WEST SECOND STREET
ROS WELL, NM 88201

STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER

Trn Nbr: 495111
File Nbr: C 03534

Feb. 16, 2012

JAMES AMOS
U.S. DEPT. OF INTERIOR--BLM
620 EAST GREENE STREET
CARLSBAD, NM 88220-6292

Greetings:

Enclosed is your copy of the above numbered permit that has been approved subject to the conditions set forth on the approval page. In accordance with the conditions of approval, the well can only be tested for 10 cumulative days, and the well is to be plugged on or before 02/28/2013, unless a permit to use the water is acquired from this office.

A Well Record & Log (OSE Form wr-20) shall be filed in this office within twenty (20) days after completion of drilling, but no later than 02/28/2013.

Appropriate forms can be downloaded from the OSE website www.ose.state.nm.us or will be mailed upon request.

Sincerely,


Bill Duemling
(575) 622-6521

Enclosure

explore

APPENDIX C

VISUAL SAMPLING PLAN

(VSP)

VSP Sample Design Report for Using Stratified Sampling to Estimate the Population Proportion

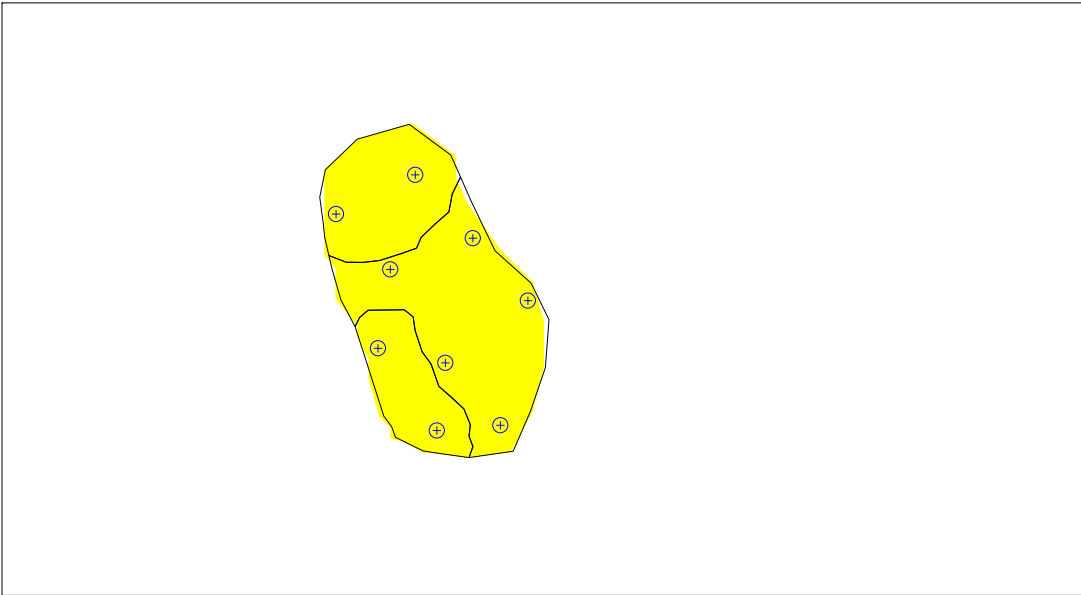
Summary

This report summarizes the stratified sampling design used, associated statistical assumptions, as well as general guidelines for conducting post-sampling data analysis. Sampling plan components presented here include how many sampling locations to choose and where within the sampling area to collect those samples. The type of medium to sample (i.e., soil, groundwater, etc.) and how to analyze the samples (in-situ, fixed laboratory, etc.) are addressed in other sections of the sampling plan. It is important to note that the decision for sample size calculation is determined for the combined strata, rather than any individual strata.

The following table summarizes the proportion stratified sampling design developed. A figure that shows sampling locations in the field and a table that lists sampling location coordinates are also provided below.

SUMMARY OF SAMPLING DESIGN	
Primary Objective of Design	Estimate the population proportion of all strata combined
Criteria for Determining Total Number of Samples	Achieve pre-specified precision of the estimated proportion for specified stratum costs, but no restriction on total costs
Sample Placement (Location) in the Field	Simple random sampling within each stratum
Formula for calculating number of sampling locations	From Gilbert (1987, page 51)
Method for calculating number of sampling locations in each stratum	Optimal Allocation
Calculated total number of samples	5
Stratum 1	2
Total area of all strata	419.90 m ²
Total cost of sampling ^a	

^a Including measurement analyses and fixed overhead costs. See the Cost of Sampling section for an explanation of the costs presented here.



Area: Area 1

X Coord	Y Coord	Label	Value	Type	Historical	Sample Area
-11583597.1222	3819434.2286			Random		
-11583591.7557	3819426.7407			Random		

Area: Area 2						
X Coord	Y Coord	Label	Value	Type	Historical	Sample Area
-11583593.7212	3819450.0337			Random		
-11583600.9426	3819446.4612			Random		

Area: Area 3						
X Coord	Y Coord	Label	Value	Type	Historical	Sample Area
-11583590.9808	3819432.8999			Random		
-11583595.9951	3819441.4186			Random		
-11583585.9664	3819427.2208			Random		
-11583588.4736	3819444.2581			Random		
-11583583.4592	3819438.5790			Random		

Primary Sampling Objective

The primary purpose of sampling at this site is to estimate the proportion for the entire site, i.e., for all strata combined, such that the estimated proportion has the minimum possible standard deviation under the condition that the sampling and measurement costs cannot exceed a specified amount. Preexisting information was used to divide the site into 1 non-overlapping strata that were expected to be more homogeneous internally than for the entire site (all strata combined). The expected variability of values within each stratum was estimated or approximated, and the stratum weights, W_h , were determined so that the total number of samples could be allocated appropriately among the strata.

Number of Total Samples: Calculation Equation and Inputs

The total number of samples is computed to achieve the pre-specified precision of the estimated population proportion for specified stratum costs, but no restriction on total costs. *Note that the calculation is for the total number of samples, i.e., for combined strata, rather than individual strata.*

The formula used to calculate the total number of samples is:

$$n = \frac{\left(\sum_{h=1}^L W_h \sqrt{P_h(1-P_h)} \sqrt{c_h} \right) \sum_{h=1}^L \frac{W_h \sqrt{P_h(1-P_h)}}{\sqrt{c_h}}}{V + \frac{1}{N} \sum_{h=1}^L W_h P_h (1-P_h)}$$

where

L is the number of strata, $h=1,2,\dots,L$,

P_h is the estimated proportion of measurements in stratum h ,

$W_h = N_h / N$ is the weight associated with stratum h ,

N_h is the total number of possible sampling locations (units) in stratum h ,

N is the total number of possible units in all strata combined, $N = \sum_{h=1}^L N_h$

V is the pre-specified variance or precision, and

c_h is the cost of collecting and measuring a sample in stratum h .

The values of these inputs that result in the calculated number of sampling locations are:

Parameter	Stratum
-----------	---------

	1
P_h	0.2
C_h	
W_h	78.5391

Parameter	Input Value
V	1

Allocation of Samples to Strata

The total number of samples is allocated to the individual strata on an optimal basis using the formula:

$$n_h = n \frac{N_h \sqrt{P_h(1-P_h)} / \sqrt{c_h}}{\sum_{h=1}^L N_h \sqrt{P_h(1-P_h)} / \sqrt{c_h}}$$

where

- n_h is the number of samples allocated to stratum h ,
- L is the number of strata,
- N_h is the total number of units in stratum h ,
- P_h is the proportion in stratum h ,
- c_h is the cost per population unit in stratum h .

n is the total number of units sampled in all strata,

$$n = \sum_{h=1}^L n_h$$

Using this formula, the number of samples allocated to each stratum is:

Stratum	Number of Samples
1	2
Total Samples	5

Method for Determining Sampling Locations

Five methods for determining sample locations are provided in VSP: 1) simple random sampling, 2) random sampling within grids, 3) systematic sampling with a random start, 4) systematic sampling with a fixed start and 5) adaptive grid sampling. One may use a different method for each stratum, based on the conceptual site model and decision to be made for a given stratum. For this site, sample locations were chosen using simple random sampling in each stratum.

Locating the sample points randomly within each stratum provides sampling locations that can, due to the random selection process, leave some areas of the stratum that are not well represented in the samples collected. This potential problem is not expected to result in inappropriate data for estimating the strata proportions or the entire site proportion if the population values in each stratum do not vary greatly among different portions of the stratum. If major spatial patterns of population values are expected to occur within a stratum, then systematic grid sampling is usually a better choice for that stratum.

Statistical Assumptions

The assumptions associated with the formulas for computing the number of samples are:

1. The estimated stratum proportions, P_h , are reasonable and representative of the stratum populations being sampled.
2. The sampling locations are selected using simple random sampling.
3. The stratum costs, C_h , and the fixed cost C_0 , are accurate.

The first and third assumptions will be assessed in a post data collection analysis. The second assumption is valid because simple random sampling is used.

Cost of Sampling

The total cost of the completed sampling program depends on several cost inputs, some of which are fixed, and others that are based on the number of samples collected and measured. Based on the numbers of samples determined above, the estimated total cost of sampling and analysis at this site is \$5,500.00, which averages out to a per sample cost of \$1,100.00. The following table summarizes the inputs and resulting cost estimates.

COST INFORMATION				
Stratum	Samples	Collection Cost Per Sample	Analytic Cost Per Sample	Total Cost
1	2			
2	2			
3	5			
Total Samples:	9		Subtotal:	
			Fixed Startup Cost:	
			Grand Total:	

Recommended Data Analysis Activities

Post data collection activities generally follow those outlined in EPA's Guidance for Data Quality Assessment (EPA, 2000). The data analysts will become familiar with the context of the problem and goals for data collection and assessment. The data will be verified and validated before being subjected to statistical or other analyses. Graphical and analytical tools will be used to verify to the extent possible the assumptions of any statistical analyses that are performed as well as to achieve a general understanding of the data. The data will be assessed to determine whether they are adequate in both quality and quantity to support the primary objective of sampling.

Estimates for the proportion of the population values will be calculated using the formulas appropriate for stratified sampling; these formulas are found in EPA QA/G-5S (EPA, 2001). Results of the exploratory and quantitative assessments of the data will be reported, along with conclusions that may be supported by them.

This report was automatically produced* by Visual Sample Plan (VSP) software version 7.12a.

This design was last modified 7/2/2020 9:48:15 AM.

Software and documentation available at <http://vsp.pnnl.gov>

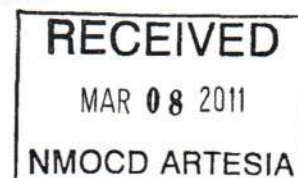
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* - The report contents may have been modified or reformatted by end-user of software.

APPENDIX D

LABORATORY ANALYTICAL REPORTS

Mr. James Blaise Campanella
Member/Manager
Judah Oil, LLC
PO Box 568
Artesia, NM 88211-0568



3 March 2011

Mr. Mike Bratcher
OIL CONSERVATION DIVISION
1301 West Grand Ave.
Artesia, NM 88210

Re: Ford State No. 1 Polyline Discharge *Corrective Action Plan*
U/L C Sec 2 22S 28E 330' FNL 2310' FWL State Lease No.: E4205
API No.: 30-015-22512
NMOCD 2RP No.: 634

Dear Mr. Bratcher:

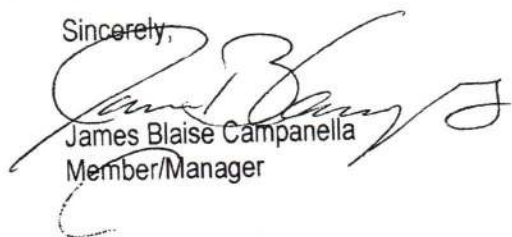
Judah Oil, LLC (Judah) herewith notifies the New Mexico Oil Conservation Division (NMOCD) that a hydrocarbon and produced water discharge occurred at the Ford State No. 1 which was discovered on 18 February 2011 by the pumper. The point of discharge occurred at a split that developed in the flowline running from the well to the remote tank battery when a geological survey crew drove across it.

Due to the fact that this point of discharge was approximately 640 feet from the Ford State No. 1 location and approximately 852 feet from the remote tank battery hidden in a dense grassy field exhibiting dull, straw-like winter killed vegetation supported within a noticeably undulating terrain, the discharge was not found immediately (photos enclosed). Production data indicates the discharge probably began on 4 February 2011 but remained unknown to the operator because the pumper apparently was not verifying or back checking his daily well production figures or he would have noticed something was wrong. When the monthly production figures reached Judah Oil's company office and the discrepancy was revealed, the pumper was severely reprimanded both for not notifying the office immediately and for repairing the flowline on 22 February 2011 and still not telling the office! However, the well was put back on line at this time.

Subsequently, Judah Oil has taken immediate proactive steps to remove the contaminated soils to an authorized disposal facility as soon as possible. Samples will be taken and following that, the NMOCD shall be notified of the soil chloride levels such that discernment may be employed in

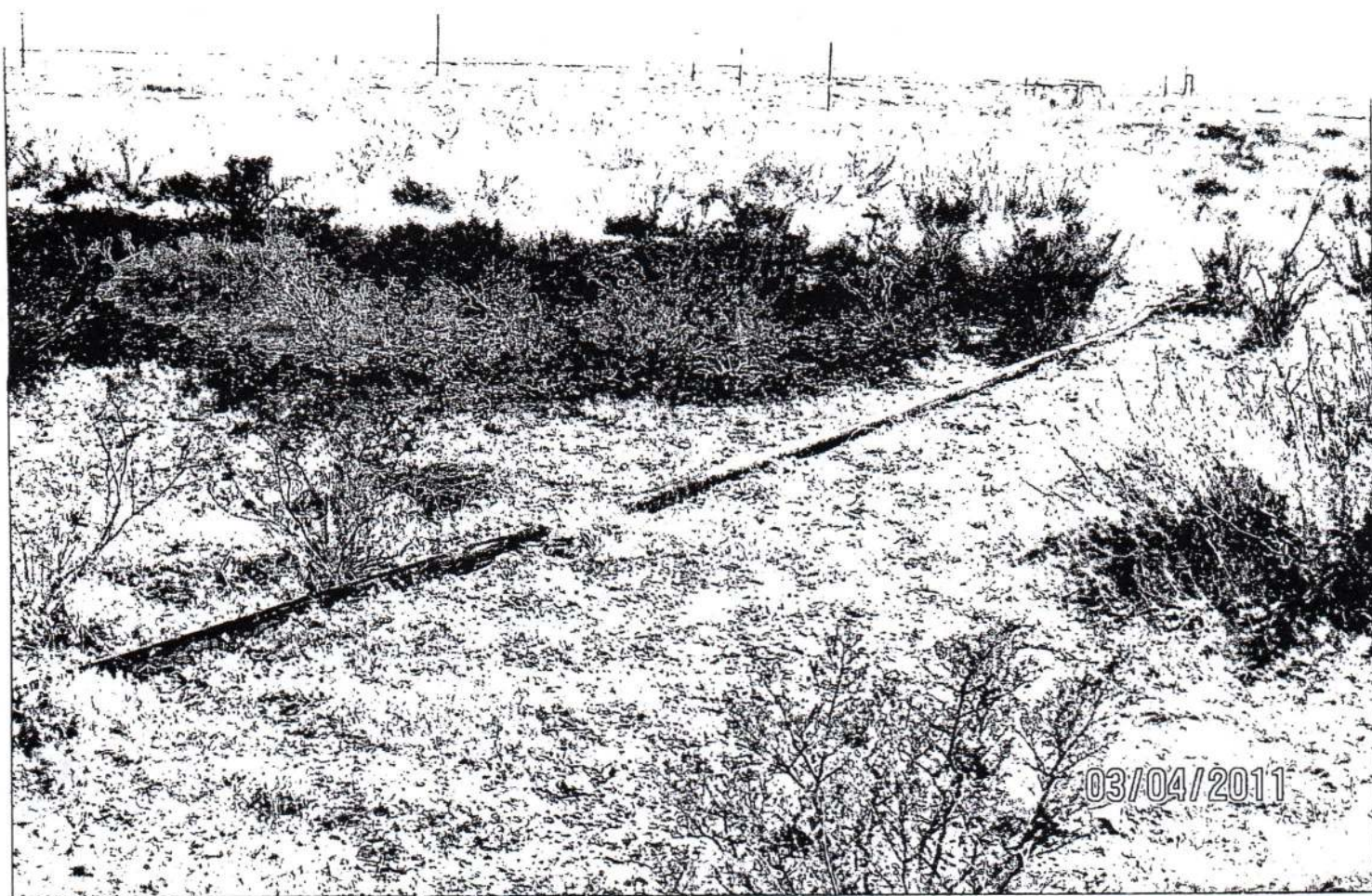
implementing the *Corrective Action Plan* as quickly as possible. Following excavation, confirmation samples will be taken to verify compliance with NMOCD standards. Should you have questions, please call (575-748-5488).

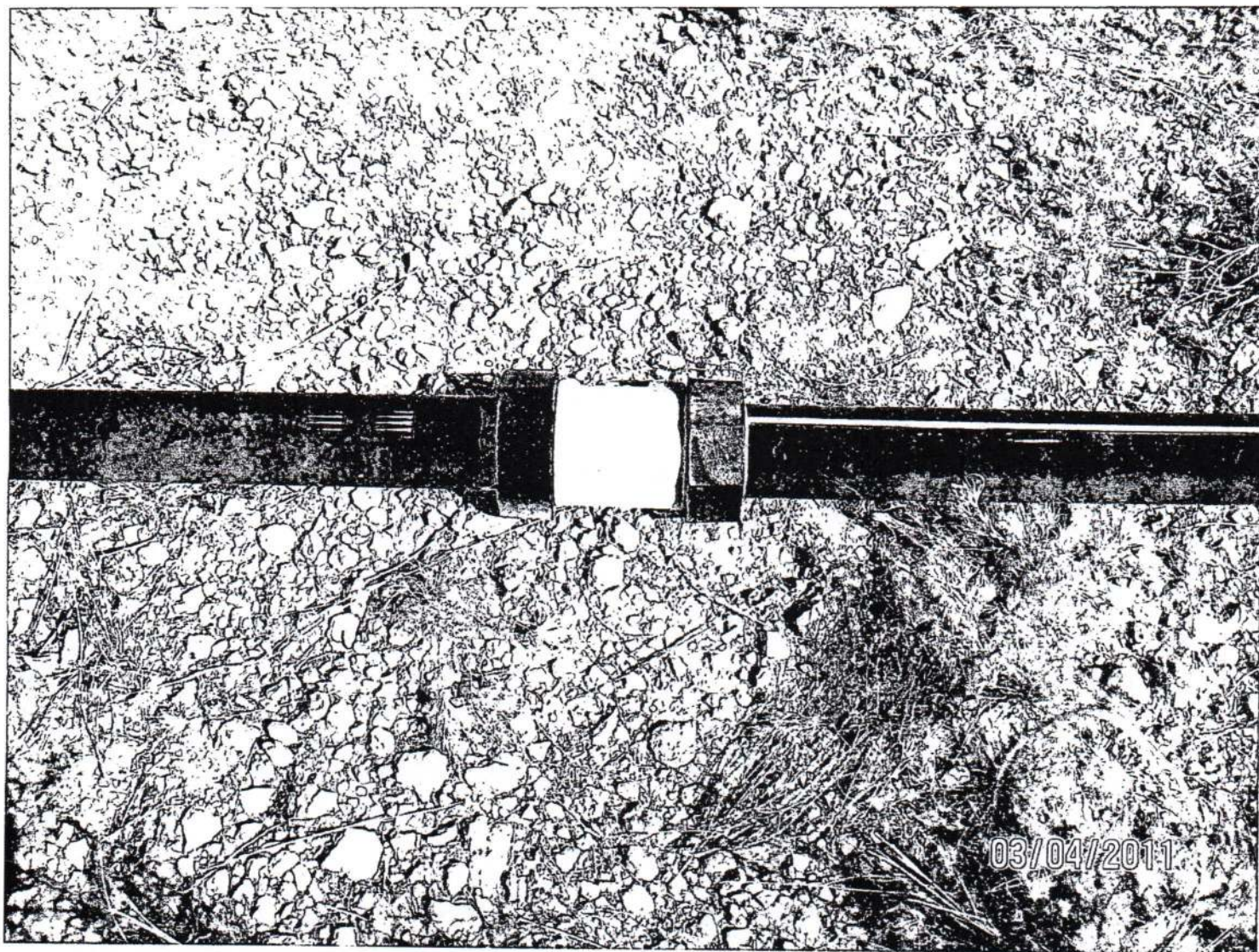
Sincerely,



James Blaise Campanella
Member/Manager

Enclosures: Photos, Initial C-141







Appendix G Invoices

Sundance Services, Inc.P.O. Box 1737
Eunice, NM 88231**Invoice**

DATE	INVOICE #
3/31/2011	58418

BILL TO
Judah Oil, LLC P.O. Box 568 Artesia, NM 88210

*Paid 5/16/11
ck #17058*

PROJECT	TERMS
FORD STAT...	

QUANTITY	DESCRIPTION	RATE	AMOUNT												
346	Contaminated Soils - Exempt	18.00	6,228.00T												
	FORD STATE # 1 Sales Tax	6.8125%	424.28												
<table border="1"><tr><td></td><td></td><td></td><td></td></tr><tr><td colspan="4">Incoming mail</td></tr><tr><td colspan="4">04/11/11 04:10 PM</td></tr></table>								Incoming mail				04/11/11 04:10 PM			
Incoming mail															
04/11/11 04:10 PM															
Phone #	E-mail	Total													
575-394-2511	acarrillo@sundanceservices.com														
		Total	\$6,652.28												



SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. **164758**

LEASE OPERATOR/SHIPPER/COMPANY: **Judah Oil**

LEASE NAME: **Ford State #1**

TRANSPORTER COMPANY: **Munson Const.**

TIME **3:17** AM/PM **(M)**

DATE: **3/29/2011** VEHICLE NO: **01**

GENERATOR COMPANY
MAN'S NAME: **Blaze Campanelli**

CHARGE TO: **Judah Oil**

RIG NAME
AND NUMBER

TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description: **old**

RRC or API #

C-133#

VOLUME OF MATERIAL

☐ BBLs.

:

☒ YARD **22**

:

☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET. TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING • 432-586-5401 • www.PromoSupermarket.com



SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. **164719**

LEASE OPERATOR/SHIPPER/COMPANY: **Judah Oil**

LEASE NAME: **Ford State #1**

TRANSPORTER COMPANY: **Munson Const.**

TIME **11:23** AM/PM

DATE: **3/29/2011** VEHICLE NO: **01**

GENERATOR COMPANY
MAN'S NAME: **Blaze Campanilla**

CHARGE TO: **Judah Oil**

RIG NAME
AND NUMBER

TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description: **old**

RRC or API #

C-133#

VOLUME OF MATERIAL

☐ BBLs.

:

☒ YARD **22**

:

☐

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DRIVER: **Robert Romero**

(SIGNATURE)

FACILITY REPRESENTATIVE: **Connie Romero**

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING • 432-586-5401 • www.PromoSupermarket.com



SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. **164620**

LEASE OPERATOR/SHIPPER/COMPANY: **Judah Oil**

LEASE NAME: **Ford State #1**

TRANSPORTER COMPANY: **Munson Const**

TIME **2:51** AM/PM

DATE: **3/20/2011** VEHICLE NO: **01**

GENERATOR COMPANY
MAN'S NAME: **Blaze Campamall**

CHARGE TO: **Judah Oil**

RIG NAME
AND NUMBER

TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description: **old**

RRC or API #

C-133#

VOLUME OF MATERIAL ☐ BBLs.

☒ YARD **22**

☐

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DRIVER: **Robert Pacheco**

(SIGNATURE)

FACILITY REPRESENTATIVE: **Connie Romero**

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING • 432-586-5401 • www.PromoSupermarket.com



SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. **164584**

LEASE OPERATOR/SHIPPER/COMPANY: **Judah Oil**

LEASE NAME: **Ford State #1**

TRANSPORTER COMPANY: **Munson Const.**

TIME **10:28** AM/PM

DATE: **3/28/2011** VEHICLE NO: **01**

GENERATOR COMPANY
MAN'S NAME: **Blaze Campanelli**

CHARGE TO: **Judah Oil**

RIG NAME
AND NUMBER

TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description: **old**

RRC or API #

C-133#

VOLUME OF MATERIAL

☐ BBLs.

:

☒ YARD **22**

:

☐

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DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING • 432-586-5401 • www.PromoSupermarket.com



SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. **163637**

LEASE OPERATOR/SHIPPER/COMPANY:

Judah Oil

LEASE NAME:

Ford State #1

TRANSPORTER COMPANY:

Munson Const.

TIME *3:07 AM* (PM)

DATE:

3/17/11

VEHICLE NO:

01

GENERATOR COMPANY

MAN'S NAME:

Bhze Campanella

CHARGE TO:

Judah Oil

RIG NAME
AND NUMBER

TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description:

o/d

RRC or API #

C-133#

VOLUME OF MATERIAL

☐ BBLs.

:

☒ YARD *20*

:

☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

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SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. **163705**

LEASE OPERATOR/SHIPPER/COMPANY:

Judah Oil

LEASE NAME:

Ford State #1

TRANSPORTER COMPANY:

Munson Const.

TIME *10:41* AM/PM

DATE:

3/18/11

VEHICLE NO:

01

GENERATOR COMPANY

MAN'S NAME:

Blaze Campanella

CHARGE TO:

Judah Oil

RIG NAME
AND NUMBER

TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description:

old

RRC or API #

C-133#

VOLUME OF MATERIAL

☐ BBLs.

:

☒ YARD *20*

:

☐

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DRIVER:

(SIGNATURE)

Robert Pacheco

FACILITY REPRESENTATIVE:

(SIGNATURE)

J. Sta Cruz

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

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SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. **163749**

LEASE OPERATOR/SHIPPER/COMPANY: *Judah Oil*

LEASE NAME: *Ford State #1*

TRANSPORTER COMPANY: *Munson Const.*

TIME *2:16* AM/PM

DATE: *3/18/11* VEHICLE NO: *01*

GENERATOR COMPANY
MAN'S NAME: *Bhze Campanella*

CHARGE TO: *Judah Oil*

RIG NAME
AND NUMBER

TYPE OF MATERIAL

- | | | |
|---|---|-----------------------------------|
| <input type="checkbox"/> Production Water | <input type="checkbox"/> Drilling Fluids | <input type="checkbox"/> Rinsate |
| <input type="checkbox"/> Tank Bottoms | <input checked="" type="checkbox"/> Contaminated Soil | <input type="checkbox"/> Jet Out |
| <input type="checkbox"/> Solids | <input type="checkbox"/> BS&W Content: | <input type="checkbox"/> Call Out |

Description: *0/D*

RRC or API #

C-133#

VOLUME OF MATERIAL ☐ BBLs. : ☒ YARD *20* : ☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: *[Signature]*

(SIGNATURE)

FACILITY REPRESENTATIVE: *[Signature]*

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

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SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. **163907**

LEASE OPERATOR/SHIPPER/COMPANY:

LEASE NAME:

TRANSPORTER COMPANY:

TIME 11:14 AM/PM

DATE: 3/21/11

VEHICLE NO: 01

GENERATOR COMPANY
MAN'S NAME: Blaise Campanella

CHARGE TO:

RIG NAME
AND NUMBER

TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description: 010

RRC or API #

C-133#

VOLUME OF MATERIAL

☐ BBLs.

:

☒ YARD 22

:

☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING • 432-586-5401 • www.PromoSupermarket.com



SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. **163948**

LEASE OPERATOR/SHIPPER/COMPANY:

Judah Oil

LEASE NAME:

Ford State #1

TRANSPORTER COMPANY:

Munson Const.

TIME *3:02* AM/PM

DATE: *3/21/11*

VEHICLE NO:

01

GENERATOR COMPANY
MAN'S NAME:

Blaze Campanelli

CHARGE TO:

Judah Oil

RIG NAME
AND NUMBER

TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description:

old

RRC or API #

C-133#

VOLUME OF MATERIAL

☐ BBLs.

:

☒ YARD *22*

:

☐

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DRIVER:

(SIGNATURE)

Robert Luchero

FACILITY REPRESENTATIVE:

(SIGNATURE)

J. Sta. Cruz

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING • 432-586-5401 • www.PromoSupermarket.com



SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. **164041**

LEASE OPERATOR/SHIPPER/COMPANY: **Judah Oil Co.**

LEASE NAME: **Ford State #1**

TRANSPORTER COMPANY: **Munson Const.**

TIME **10:58 AM/PM**

DATE: **3/22/2011** VEHICLE NO: **01**

GENERATOR COMPANY
MAN'S NAME: **Blaze Camponella**

CHARGE TO: **Judah Oil Co.**

RIG NAME
AND NUMBER

TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description: **old**

RRC or API #

C-133#

VOLUME OF MATERIAL ☐ BBLs. : ☒ YARD **22** : ☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET. TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING • 432-586-5401 • www.PromoSupermarket.com



SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. **164198**

LEASE OPERATOR/SHIPPER/COMPANY: **Judah Oil**

LEASE NAME: **Ford State #1**

TRANSPORTER COMPANY: **Munson Const.**

TIME **11:09** AM/PM

DATE: **3/23/2011** VEHICLE NO: **01**

GENERATOR COMPANY
MAN'S NAME: **Blaze Campanella**

CHARGE TO: **Judah Oil**

RIG NAME
AND NUMBER

TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description: **old**

RRC or API #

C-133#

VOLUME OF MATERIAL

☐ BBLs.

:

☒ YARD

22

:

☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET. TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: **Robert Rubice**

(SIGNATURE)

FACILITY REPRESENTATIVE: **Connie Romero**

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING • 432-586-5401 • www.PromoSupermarket.com



SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. **164254**

LEASE OPERATOR/SHIPPER/COMPANY: **Judah Oil**

LEASE NAME: **Ford State #1**

TRANSPORTER COMPANY: **Munson Const.**

TIME **2:54** AM/PM **(M)**

DATE: **3/23/2011** VEHICLE NO: **01**

GENERATOR COMPANY
MAN'S NAME: **Baze Campanali**

CHARGE TO: **Judah Oil**

RIG NAME
AND NUMBER

TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description: _____

RRC or API #

C-133#

VOLUME OF MATERIAL ☐ BBLs. _____ : ☒ YARD **22** : ☐ _____

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

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DRIVER: _____

(SIGNATURE)

FACILITY REPRESENTATIVE: _____

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING • 432-586-5401 • www.PromoSupermarket.com



SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. **164330**

LEASE OPERATOR/SHIPPER/COMPANY: **Judah Oil**

LEASE NAME: **Ford State #1**

TRANSPORTER COMPANY: **Munson Const.**

TIME **10:43** AM/PM

DATE: **3/24/11** VEHICLE NO: **01**

GENERATOR COMPANY MAN'S NAME: **Blaze Campandola**

CHARGE TO: **Judah Oil**

RIG NAME
AND NUMBER

TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description: **OLD**

RRC or API #

C-133#

VOLUME OF MATERIAL ☐ BBLs. : ☒ YARD **22** : ☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

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DRIVER: **Robert P. Parker**

(SIGNATURE)

FACILITY REPRESENTATIVE: **D. Sta Cruz**

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING • 432-586-5401 • www.PromoSupermarket.com



SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. **164372**

LEASE OPERATOR/SHIPPER/COMPANY:

Judah Oil

LEASE NAME:

Ford State #1

TRANSPORTER COMPANY:

Munson Const.

TIME *2:14* AM/PM **PM**

DATE:

3/24/11

VEHICLE NO:

01

GENERATOR COMPANY
MAN'S NAME:

B. Campanella

CHARGE TO:

Judah Oil

RIG NAME
AND NUMBER

TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description:

01D

RRC or API #

C-133#

VOLUME OF MATERIAL

☐ BBLs.

:

☒ YARD

22

:

☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING • 432-586-5401 • www.PromoSupermarket.com



SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. **164425**

LEASE OPERATOR/SHIPPER/COMPANY: **Judah Oil**

LEASE NAME: **Ford State #1**

TRANSPORTER COMPANY: **Munson Const.**

TIME **10:27** AM/PM

DATE: **3/25/2011**

VEHICLE NO: **01**

GENERATOR COMPANY
MAN'S NAME: **Blaze Campanelli**

CHARGE TO: **Judah Oil**

RIG NAME
AND NUMBER

TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description: **old**

RRC or API #

C-133#

VOLUME OF MATERIAL

☐ BBLs.

:

☒ YARD **22**

☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET. TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

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DRIVER: **Robert Romero**

(SIGNATURE)

FACILITY REPRESENTATIVE: **Connie Romero**

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING • 432-586-5401 • www.PromoSupermarket.com



SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. **164447**

LEASE OPERATOR/SHIPPER/COMPANY: **Judah Oil**

LEASE NAME: **Ford State #1**

TRANSPORTER COMPANY: **Munson Const.**

TIME **1:56 AM** **PM**

DATE: **3/25/2011** VEHICLE NO: **01**

GENERATOR COMPANY
MAN'S NAME: **Blaze Campanilla**

CHARGE TO: **Judah Oil**

RIG NAME
AND NUMBER

TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description: **old**

RRC or API #

C-133#

VOLUME OF MATERIAL ☐ BBLs. _____ :

☒ YARD **22** :

☐ _____

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: **Robert Pacheco**

(SIGNATURE)

FACILITY REPRESENTATIVE: **Connie Romero**

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING • 432-586-5401 • www.PromoSupermarket.com

INVOICE # 28565

Date: 8/6/2020

AFE Number:

Charge to: Ford State #1

BLAISE CAMPANELLA
JUDAH OIL, LLC
P. O. BOX 568
ARTESIA, NM 88211

Date(s) of Service: 07/27/20 - 07/28/20

Manifest #: See Attached List

Ship Via: Rockstar Packing LLC

[illegible]**TERMS: NET 30**

Make all checks payable to LEA LAND, LLC

If you have any questions concerning this invoice, please contact:

Saralyn Hall at 405-519-1187 E-mail: shall119@cox.net

Thank you for your business!

Judah Oil Weights Statement

<i>Receive Date</i>	<i>Manifest Number</i>	<i>Lease Name</i>	<i>Weight (lbs.)</i>	<i>Weight (Tons)</i>
7/27/2020	137965	Ford State #1	161,880	80.94
7/27/2020	137966	Ford State #1	162,160	81.08
7/28/2020	137989	Ford State #1	40,420	20.21
7/28/2020	137990	Ford State #1	38,840	19.42
TOTALS:			403,300 <i>lbs.</i>	201.65 <i>Tons</i>

Lea Land Landfill New Mexico

Mile Market # 64 US Highway 62/180

30 miles East of Carlsbad, NM * (505) 887-4048

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

*Porras***NON-HAZARDOUS WASTE MANIFEST**

NO

137965

1. PAGE ___ OF ___

2. TRAILER NO.

*MS90***G**

3. COMPANY NAME

Judah Oil LLC
PHONE NO.

4. ADDRESS

P.O. Box 568

CITY

STATE

ZIP

5. PICK-UP DATE

7/27/2020

6. TNRCC I.D. NO.

E*(575) 748-5488**Artesia**NM**88211*

7. NAME OR DESCRIPTION OF WASTE SHIPPED:

8. CONTAINERS
No. Type9. TOTAL
QUANTITY10. UNIT
Wt/Vol.11. TEXAS
WASTE ID #**N**

a. Non-Regulated, Non Hazardous Waste

*1**CM***E**b. *33,460 28460***R**d. WT: *34620 31860 33480***A**

12. COMMENTS OR SPECIAL INSTRUCTIONS:

Ford State #1 3m.
STATE #1

13. WASTE PROFILE NO.

*TC 161880***T**

14. NAME

JOE ONTIVEROS

PHONE NO

575-887-4048

24-HOUR EMERGENCY NO.

O

15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

R

PRINTED/TYPED NAME

CO. MAN: JAMES CAMPANELLA

SIGNATURE

DATE

T

16. TRANSPORTER (1)

NAME: ROCKSTAR PACKING LLC

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT: ALAN JOHNSON

EMERGENCY PHONE: *(575) 703-0333*

18. TRANSPORTER (1): Acknowledgment of receipt of material

PRINTED/TYPED NAME

*Carlos Porras**7/27/2020*

SIGNATURE

[Signature]

DATE

17. TRANSPORTER (2)

NAME:

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

EMERGENCY PHONE:

19. TRANSPORTER (2): Acknowledgment of receipt of material

PRINTED/TYPED NAME

SIGNATURE

DATE

D

PERMIT NO.

WM-01-035 - New Mexico

ADDRESS:

Mile Marker 64, U.S. Hwy 62/180,
30 Miles East of Carlsbad, NM

PHONE:

575-887-4048

F**I****S****C****O****L****S****I****A****T****L**

21. DISPOSAL FACILITY'S CERTIFICATION: I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

[Signature]

CELL NO.

DATE

7/27/2020

TIME

10:05

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

*Brothers***NON-HAZARDOUS WASTE MANIFEST**NO **137966**

1. PAGE ___ OF ___

2. TRAILER NO. *320914*

G	3. COMPANY NAME Judah Oil LLC		4. ADDRESS P.O. Box 568		5. PICK-UP DATE 7/27/2020	
	PHONE NO. (575) 748-5488		CITY STATE ZIP Artesia NM 88211		6. TNRCC I.D. NO.	
E	7. NAME OR DESCRIPTION OF WASTE SHIPPED:				8. CONTAINERS No. Type	9. TOTAL QUANTITY
N	a. Non-Regulated, Non Hazardous Waste				1	CM
E	b. 30,460 30,080					
R	c.					
A	d. WT: 32,460 35,940 32,920					
T	12. COMMENTS OR SPECIAL INSTRUCTIONS: STATE # 1				13. WASTE PROFILE NO.	
O	14. IN CASE OF EMERGENCY OR SPILL, CONTACT					
R	NAME JOE ONTIVEROS		PHONE NO. 575-887-4048		24-HOUR EMERGENCY NO.	
T	15. GENERATOR'S CERTIFICATION: I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC					
R	PRINTED/TYPED NAME CO. MAN: JAMES CAMPANELLA			SIGNATURE		DATE
T	16. TRANSPORTER (1)			17. TRANSPORTER (2)		
R	NAME: ROCKSTAR PACKING LLC			NAME:		
A	TEXAS I.D. NO.			TEXAS I.D. NO.		
N	IN CASE OF EMERGENCY CONTACT: ALAN JOHNSON			IN CASE OF EMERGENCY CONTACT:		
S	EMERGENCY PHONE: (575) 703-0333			EMERGENCY PHONE:		
P	18. TRANSPORTER (1): Acknowledgment of receipt of material			19. TRANSPORTER (2): Acknowledgment of receipt of material		
O	PRINTED/TYPED NAME <i>Luis Quijada</i>			PRINTED/TYPED NAME		
R	SIGNATURE <i>Luis Quijada</i> DATE 7/27/2020			SIGNATURE DATE		
D	Lea Land, LLC		ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM		PHONE: 575-887-4048	
I	PERMIT NO. WM-01-035 - New Mexico		20. COMMENTS			
S	21. DISPOSAL FACILITY'S CERTIFICATION: I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.					
C	AUTHORIZED SIGNATURE <i>Antonio Gonzalez</i>		CELL NO.		DATE 7/27/2020	
O					TIME 10:10	
L						
Y						

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

ELT**NON-HAZARDOUS WASTE MANIFEST**NO **137989**

1. PAGE ___ OF ___

2. TRAILER NO. **No #****G**

3. COMPANY NAME

Judah Oil LLC
PHONE NO.

4. ADDRESS

P.O. Box 568

CITY

STATE

ZIP

5. PICK-UP DATE

7/28/2020

6. TNRCC I.D. NO.

E

(575) 748-5488

Artesia

NM

88211

N

7. NAME OR DESCRIPTION OF WASTE SHIPPED:

a. Non-Regulated, Non Hazardous Waste

8. CONTAINERS
No. Type

1

CM

9. TOTAL
QUANTITY10. UNIT
Wt/Vol.11. TEXAS
WASTE ID #**E**

b.

c.

R

d. WT: 40420

12. COMMENTS OR SPECIAL INSTRUCTIONS:

FORD STATE #1

13. WASTE PROFILE NO.

A**T**

14.

IN CASE OF EMERGENCY OR SPILL, CONTACT

NAME

PHONE NO

24-HOUR EMERGENCY NO.

JOE ONTIVEROS

575-887-4048

O15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC**R**

PRINTED/TYPED NAME

CO. MAN: JAMES CAMPANELLA

SIGNATURE

DATE

T

16.

TRANSPORTER (1)

NAME:

ROCKSTAR PACKING LLC

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT: ALAN JOHNSON

EMERGENCY PHONE: (575) 703-0333

18. **TRANSPORTER (1):** Acknowledgment of receipt of material

PRINTED/TYPED NAME

Victor H. Solis

7/28/2020

SIGNATURE

DATE

17.

TRANSPORTER (2)

NAME:

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

EMERGENCY PHONE:

19. **TRANSPORTER (2):** Acknowledgment of receipt of material

PRINTED/TYPED NAME

SIGNATURE

DATE

**D
I
S
P
O
S
I
T
A
L
Y**

PERMIT NO.

WM-01-035 - New Mexico

20. COMMENTS

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

Santos

CELL NO.

DATE 7/28/2020

TIME 11:05

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5

COPY 1

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

*Montes***NON-HAZARDOUS WASTE MANIFEST**NO **137990**

1. PAGE ___ OF ___

2. TRAILER NO.

03

G	3. COMPANY NAME Judah Oil LLC		4. ADDRESS P.O. Box 568		5. PICK-UP DATE 7/28/2020	
	PHONE NO. (575) 748-5488		CITY STATE ZIP Artesia NM 88211		6. TNRCC I.D. NO.	
E	7. NAME OR DESCRIPTION OF WASTE SHIPPED:				8. CONTAINERS No. Type	9. TOTAL QUANTITY
	a. Non-Regulated, Non Hazardous Waste				1	CM
	b.					
	c.					
R	d. WT: 38,840					
	12. COMMENTS OR SPECIAL INSTRUCTIONS: FORD STATE #1				13. WASTE PROFILE NO.	
A	14. IN CASE OF EMERGENCY OR SPILL, CONTACT					
	NAME JOE ONTIVEROS		PHONE NO. 575-887-4048		24-HOUR EMERGENCY NO.	
O	15. GENERATOR'S CERTIFICATION: I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC					
	PRINTED/TYPED NAME CO. MAN: JAMES CAMPANELLA			SIGNATURE		DATE
T	16. TRANSPORTER (1)			17. TRANSPORTER (2)		
	NAME: ROCKSTAR PACKING LLC			NAME:		
	TEXAS I.D. NO.			TEXAS I.D. NO.		
	IN CASE OF EMERGENCY CONTACT: ALAN JOHNSON			IN CASE OF EMERGENCY CONTACT:		
R	EMERGENCY PHONE: (575) 703-0333			EMERGENCY PHONE:		
	18. TRANSPORTER (1): Acknowledgment of receipt of material			19. TRANSPORTER (2): Acknowledgment of receipt of material		
	PRINTED/TYPED NAME Luis Vega <i>7/28/2020</i>			PRINTED/TYPED NAME		
	SIGNATURE <i>Luis Vega</i> DATE			SIGNATURE DATE		
D	Lea Land, LLC		ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM		PHONE: 575-887-4048	
	PERMIT NO. WM-01-035 - New Mexico		20. COMMENTS			
	21. DISPOSAL FACILITY'S CERTIFICATION: I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.					
I	AUTHORIZED SIGNATURE <i>Santos</i>		CELL NO.		DATE 7/28/2020	TIME 11:15

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5



SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. **164758**

LEASE OPERATOR/SHIPPER/COMPANY: **Judah Oil**

LEASE NAME: **Ford State #1**

TRANSPORTER COMPANY: **Munson Const.**

TIME **3:17** AM/PM **(AM)**

DATE: **3/29/2011** VEHICLE NO: **01**

GENERATOR COMPANY
MAN'S NAME: **Blaze Campanelli**

CHARGE TO: **Judah Oil**

RIG NAME
AND NUMBER

TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description: **old**

RRC or API #

C-133#

VOLUME OF MATERIAL

☐ BBLs.

:

☒ YARD **22**

:

☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET. TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING • 432-586-5401 • www.PromoSupermarket.com



SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. **164719**

LEASE OPERATOR/SHIPPER/COMPANY: **Judah Oil**

LEASE NAME: **Ford State #1**

TRANSPORTER COMPANY: **Munson Const.**

TIME **11:23** AM/PM

DATE: **3/29/2011** VEHICLE NO: **01**

GENERATOR COMPANY
MAN'S NAME: **Blaze Campanilla**

CHARGE TO: **Judah Oil**

RIG NAME
AND NUMBER

TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description: **old**

RRC or API #

C-133#

VOLUME OF MATERIAL

☐ BBLs.

:

☒ YARD **22**

:

☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: **Robert Romero**

(SIGNATURE)

FACILITY REPRESENTATIVE: **Connie Romero**

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING • 432-586-5401 • www.PromoSupermarket.com



SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. **164620**

LEASE OPERATOR/SHIPPER/COMPANY: **Judah Oil**

LEASE NAME: **Ford State #1**

TRANSPORTER COMPANY: **Munson Const**

TIME **2:51** AM/PM

DATE: **3/20/2011** VEHICLE NO: **01**

GENERATOR COMPANY
MAN'S NAME: **Blaze Campamall**

CHARGE TO: **Judah Oil**

RIG NAME
AND NUMBER

TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description: **old**

RRC or API #

C-133#

VOLUME OF MATERIAL ☐ BBLs.

☒ YARD **22**

☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET. TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

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DRIVER: **Robert Pacheco**

(SIGNATURE)

FACILITY REPRESENTATIVE: **Connie Romero**

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

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SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. **164584**

LEASE OPERATOR/SHIPPER/COMPANY: **Judah Oil**

LEASE NAME: **Ford State #1**

TRANSPORTER COMPANY: **Munson Const.**

TIME **10:28** AM/PM

DATE: **3/28/2011** VEHICLE NO: **01**

GENERATOR COMPANY
MAN'S NAME: **Blaze Campanelli**

CHARGE TO: **Judah Oil**

RIG NAME
AND NUMBER

TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description: **old**

RRC or API #

C-133#

VOLUME OF MATERIAL

☐ BBLs.

:

☒ YARD **22**

:

☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: **Robert Pacheco**

(SIGNATURE)

FACILITY REPRESENTATIVE: **Connie Romero**

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

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SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. **163637**

LEASE OPERATOR/SHIPPER/COMPANY:

Judah Oil

LEASE NAME:

Ford State #1

TRANSPORTER COMPANY:

Munson Const.

TIME *3:07 AM* (PM)

DATE:

3/17/11

VEHICLE NO:

01

GENERATOR COMPANY
MAN'S NAME:

Bhze Campanella

CHARGE TO:

Judah Oil

RIG NAME
AND NUMBER

TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description:

o/d

RRC or API #

C-133#

VOLUME OF MATERIAL

☐ BBLs.

:

☒ YARD

20

:

☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

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SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. **163705**

LEASE OPERATOR/SHIPPER/COMPANY:

Judah Oil

LEASE NAME:

Ford State #1

TRANSPORTER COMPANY:

Munson Const.

TIME *10:41* AM/PM

DATE:

3/18/11

VEHICLE NO:

01

GENERATOR COMPANY

MAN'S NAME:

Blaze Campanella

CHARGE TO:

Judah Oil

RIG NAME

AND NUMBER

TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description:

old

RRC or API #

C-133#

VOLUME OF MATERIAL

☐ BBLs.

:

☒ YARD *20*

:

☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER:

(SIGNATURE)

Robert Pacheco

FACILITY REPRESENTATIVE:

(SIGNATURE)

J. Sta Cruz

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

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SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. **163749**

LEASE OPERATOR/SHIPPER/COMPANY: *Judah Oil*

LEASE NAME: *Ford State #1*

TRANSPORTER COMPANY: *Munson Const.*

TIME *2:16* AM/PM

DATE: *3/18/11* VEHICLE NO: *01*

GENERATOR COMPANY
MAN'S NAME: *Bhze Campanella*

CHARGE TO: *Judah Oil*

RIG NAME
AND NUMBER

TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description: *0/D*

RRC or API #

C-133#

VOLUME OF MATERIAL

☐ BBLs.

:

☒ YARD *20*

:

☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: *[Signature]*

(SIGNATURE)

FACILITY REPRESENTATIVE: *[Signature]*

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

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SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. **163907**

LEASE OPERATOR/SHIPPER/COMPANY: *Judah Oil*

LEASE NAME: *Ford State #1*

TRANSPORTER COMPANY: *Munson Const.*

TIME *11:14* AM/PM

DATE: *3/21/11*

VEHICLE NO: *01*

GENERATOR COMPANY
MAN'S NAME: *Blaze Campanella*

CHARGE TO: *Judah Oil*

RIG NAME
AND NUMBER

TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description: *010*

RRC or API #

C-133#

VOLUME OF MATERIAL

☐ BBLs.

:

☒ YARD *22*

:

☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: *[Signature]*

(SIGNATURE)

FACILITY REPRESENTATIVE: *[Signature]*

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

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SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. **163948**

LEASE OPERATOR/SHIPPER/COMPANY:

Judah Oil

LEASE NAME:

Ford State #1

TRANSPORTER COMPANY:

Munson Const.

TIME *3:02* AM/PM

DATE: *3/21/11*

VEHICLE NO:

01

GENERATOR COMPANY
MAN'S NAME:

Blaze Campanelli

CHARGE TO:

Judah Oil

RIG NAME
AND NUMBER

TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description:

old

RRC or API #

C-133#

VOLUME OF MATERIAL

☐ BBLs.

:

☒ YARD *22*

:

☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER:

(SIGNATURE)

Robert Luchero

FACILITY REPRESENTATIVE:

(SIGNATURE)

J. Sta. Cruz

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING • 432-586-5401 • www.PromoSupermarket.com



SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. **164041**

LEASE OPERATOR/SHIPPER/COMPANY: **Judah Oil Co.**

LEASE NAME: **Ford State #1**

TRANSPORTER COMPANY: **Munson Const.**

TIME **10:58 AM/PM**

DATE: **3/22/2011** VEHICLE NO: **01**

GENERATOR COMPANY
MAN'S NAME: **Blaze Camponella**

CHARGE TO: **Judah Oil Co.**

RIG NAME
AND NUMBER

TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description: **old**

RRC or API #

C-133#

VOLUME OF MATERIAL ☐ BBLs. : ☒ YARD **22** : ☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET. TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING • 432-586-5401 • www.PromoSupermarket.com



SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. **164198**

LEASE OPERATOR/SHIPPER/COMPANY: **Judah Oil**

LEASE NAME: **Ford State #1**

TRANSPORTER COMPANY: **Munson Const.**

TIME **11:09** AM/PM

DATE: **3/23/2011** VEHICLE NO: **01**

GENERATOR COMPANY
MAN'S NAME: **Blaze Campanella**

CHARGE TO: **Judah Oil**

RIG NAME
AND NUMBER

TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description: **old**

RRC or API #

C-133#

VOLUME OF MATERIAL

☐ BBLs.

:

☒ YARD

22

:

☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET. TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: **Robert Rubice**

(SIGNATURE)

FACILITY REPRESENTATIVE: **Connie Romero**

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING • 432-586-5401 • www.PromoSupermarket.com



SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. **164254**

LEASE OPERATOR/SHIPPER/COMPANY: **Judah Oil**

LEASE NAME: **Ford State #1**

TRANSPORTER COMPANY: **Munson Const.**

TIME **2:54** AM/PM **(M)**

DATE: **3/23/2011** VEHICLE NO: **01**

GENERATOR COMPANY
MAN'S NAME: **Baze Campanali**

CHARGE TO: **Judah Oil**

RIG NAME
AND NUMBER

TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description: _____

RRC or API #

C-133#

VOLUME OF MATERIAL ☐ BBLs. _____ : ☒ YARD **22** : ☐ _____

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

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DRIVER: _____

(SIGNATURE)

FACILITY REPRESENTATIVE: _____

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING • 432-586-5401 • www.PromoSupermarket.com



SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. **164330**

LEASE OPERATOR/SHIPPER/COMPANY: **Judah Oil**

LEASE NAME: **Ford State #1**

TRANSPORTER COMPANY: **Munson Const.**

TIME **10:43** AM/PM

DATE: **3/24/11**

VEHICLE NO: **01**

GENERATOR COMPANY
MAN'S NAME: **Blaze Campandola**

CHARGE TO: **Judah Oil**

RIG NAME
AND NUMBER

TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description: **OLD**

RRC or API #

C-133#

VOLUME OF MATERIAL

☐ BBLs.

:

☒ YARD

:

☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: **Robert P. Parker**

(SIGNATURE)

FACILITY REPRESENTATIVE: **D. Sta Cruz**

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING • 432-586-5401 • www.PromoSupermarket.com



SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. **164372**

LEASE OPERATOR/SHIPPER/COMPANY: <u>Judah Oil</u>		
LEASE NAME: <u>Ford State #1</u>		
TRANSPORTER COMPANY: <u>Munson Const.</u>	TIME <u>2:14</u> AM/PM <u>AM</u>	
DATE: <u>3/24/11</u>	VEHICLE NO: <u>01</u>	GENERATOR COMPANY MAN'S NAME: <u>B. Campanella</u>
CHARGE TO: <u>Judah Oil</u>		RIG NAME AND NUMBER

TYPE OF MATERIAL

- | | | |
|---|---|-----------------------------------|
| <input type="checkbox"/> Production Water | <input type="checkbox"/> Drilling Fluids | <input type="checkbox"/> Rinsate |
| <input type="checkbox"/> Tank Bottoms | <input checked="" type="checkbox"/> Contaminated Soil | <input type="checkbox"/> Jet Out |
| <input type="checkbox"/> Solids | <input type="checkbox"/> BS&W Content: | <input type="checkbox"/> Call Out |

Description: 01D

RRC or API #

C-133#

VOLUME OF MATERIAL ☐ BBLs. : ☒ YARD 22 : ☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: [Signature]

(SIGNATURE)

FACILITY REPRESENTATIVE: [Signature]

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING • 432-586-5401 • www.PromoSupermarket.com



SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 164425

LEASE OPERATOR/SHIPPER/COMPANY: Judah Oil

LEASE NAME: Ford State #1

TRANSPORTER COMPANY: Munson Const.

TIME 10:27 AM/PM

DATE: 3/25/2011

VEHICLE NO: 01

GENERATOR COMPANY

MAN'S NAME: Blaze Campanelli

CHARGE TO: Judah Oil

RIG NAME
AND NUMBER

TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description: old

RRC or API #

C-133#

VOLUME OF MATERIAL

☐ BBLs.

:

☒ YARD

22

☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING • 432-586-5401 • www.PromoSupermarket.com



SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. **164447**

LEASE OPERATOR/SHIPPER/COMPANY: **Judah Oil**

LEASE NAME: **Ford State #1**

TRANSPORTER COMPANY: **Munson Const.**

TIME **1:56 AM** **PM**

DATE: **3/25/2011** VEHICLE NO: **01**

GENERATOR COMPANY
MAN'S NAME: **Blaze Campanilla**

CHARGE TO: **Judah Oil**

RIG NAME
AND NUMBER

TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description: **old**

RRC or API #

C-133#

VOLUME OF MATERIAL

☐ BBLs.

:

☒ YARD

22

:

☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: **Robert Pacheco**

(SIGNATURE)

FACILITY REPRESENTATIVE: **Connie Romero**

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING • 432-586-5401 • www.PromoSupermarket.com

INVOICE # 28565

Date: 8/6/2020

AFE Number:

Charge to: Ford State #1

Date(s) of Service: 07/27/20 - 07/28/20

Manifest #: See Attached List

Ship Via: Rockstar Packing LLC

TERMS: NET 30

Saralyn Hall at 405-519-1187 E-mail: shall119@cox.net

Released to Imaging: 10/1/2025 10:43:35 AM

Judah Oil Weights Statement

<i>Receive Date</i>	<i>Manifest Number</i>	<i>Lease Name</i>	<i>Weight (lbs.)</i>	<i>Weight (Tons)</i>
7/27/2020	137965	Ford State #1	161,880	80.94
7/27/2020	137966	Ford State #1	162,160	81.08
7/28/2020	137989	Ford State #1	40,420	20.21
7/28/2020	137990	Ford State #1	38,840	19.42
TOTALS:			403,300 <i>lbs.</i>	201.65 <i>Tons</i>

Lea Land Landfill New Mexico

Mile Market # 64 US Highway 62/180
30 miles East of Carlsbad, NM * (505) 887-4048

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

*Porras***NON-HAZARDOUS WASTE MANIFEST**

NO

137965

1. PAGE ___ OF ___

2. TRAILER NO.

*MS90***G**

3. COMPANY NAME

Judah Oil LLC
PHONE NO.

4. ADDRESS

P.O. Box 568

CITY

STATE

ZIP

5. PICK-UP DATE

7/27/2020

6. TNRCC I.D. NO.

E*(575) 748-5488**Artesia**NM**88211*

7. NAME OR DESCRIPTION OF WASTE SHIPPED:

8. CONTAINERS
No. Type9. TOTAL
QUANTITY10. UNIT
Wt/Vol.11. TEXAS
WASTE ID #**N**

a. Non-Regulated, Non Hazardous Waste

*1**CM***E***33,460 28460***R***WT: 34620 31860 33480***A**

12. COMMENTS OR SPECIAL INSTRUCTIONS:

Ford State #1 Im.
STATE #1

13. WASTE PROFILE NO.

*TC 161880***T**

14. NAME

JOE ONTIVEROS

PHONE NO

575-887-4048

24-HOUR EMERGENCY NO.

O

15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

R

PRINTED/TYPED NAME

CO. MAN: JAMES CAMPANELLA

SIGNATURE

DATE

T

16. TRANSPORTER (1)

NAME: ROCKSTAR PACKING LLC

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT: ALAN JOHNSON

EMERGENCY PHONE: *(575) 703-0333*

18. TRANSPORTER (1): Acknowledgment of receipt of material

PRINTED/TYPED NAME

Carlos Porras

SIGNATURE

[Signature]

DATE

7/27/2020

17. TRANSPORTER (2)

NAME:

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

EMERGENCY PHONE:

19. TRANSPORTER (2): Acknowledgment of receipt of material

PRINTED/TYPED NAME

SIGNATURE

DATE

D

PERMIT NO.

WM-01-035 - New Mexico

ADDRESS:

Mile Marker 64, U.S. Hwy 62/180,
30 Miles East of Carlsbad, NM

PHONE:

575-887-4048

F**I****S****C****O****L****S****I****A****T****L****Y**

21. DISPOSAL FACILITY'S CERTIFICATION: I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

[Signature]

CELL NO.

DATE

7/27/2020

TIME

10:05

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

*Brothers***NON-HAZARDOUS WASTE MANIFEST**NO **137966**

1. PAGE ___ OF ___

2. TRAILER NO. *320914*

G	3. COMPANY NAME Judah Oil LLC		4. ADDRESS P.O. Box 568		5. PICK-UP DATE 7/27/2020	
	PHONE NO. (575) 748-5488		CITY STATE ZIP Artesia NM 88211		6. TNRCC I.D. NO.	
E	7. NAME OR DESCRIPTION OF WASTE SHIPPED:				8. CONTAINERS No. Type	9. TOTAL QUANTITY
N	a. Non-Regulated, Non Hazardous Waste				1	CM
E	b. <i>30,460 30,080</i>					
R	c.					
A	d. WT: <i>32,460 35,940 32,920</i>					
T	12. COMMENTS OR SPECIAL INSTRUCTIONS: STATE # 1 <i>10 162,160</i>					13. WASTE PROFILE NO.
O	14. IN CASE OF EMERGENCY OR SPILL, CONTACT					
R	NAME JOE ONTIVEROS		PHONE NO. 575-887-4048		24-HOUR EMERGENCY NO.	
T	15. GENERATOR'S CERTIFICATION: I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC					
R	PRINTED/TYPED NAME CO. MAN: JAMES CAMPANELLA			SIGNATURE		DATE
T	16. TRANSPORTER (1)			17. TRANSPORTER (2)		
R	NAME: ROCKSTAR PACKING LLC			NAME:		
A	TEXAS I.D. NO.			TEXAS I.D. NO.		
N	IN CASE OF EMERGENCY CONTACT: ALAN JOHNSON			IN CASE OF EMERGENCY CONTACT:		
S	EMERGENCY PHONE: (575) 703-0333			EMERGENCY PHONE:		
P	18. TRANSPORTER (1): Acknowledgment of receipt of material			19. TRANSPORTER (2): Acknowledgment of receipt of material		
O	PRINTED/TYPED NAME <i>Luis Quijada</i> 7/27/2020			PRINTED/TYPED NAME		
R	SIGNATURE <i>Luis Quijada</i> DATE			SIGNATURE DATE		
D	Lea Land, LLC		ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM		PHONE: 575-887-4048	
I	PERMIT NO. WM-01-035 - New Mexico		20. COMMENTS			
S	21. DISPOSAL FACILITY'S CERTIFICATION: I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.					
C	AUTHORIZED SIGNATURE <i>Antonio Gonzalez</i>		CELL NO.		DATE 7/27/2020	
O					TIME <i>10:10</i>	
L						

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

ELT**NON-HAZARDOUS WASTE MANIFEST**NO **137989**

1. PAGE ___ OF ___

2. TRAILER NO. **No #****G**

3. COMPANY NAME

Judah Oil LLC
PHONE NO.

4. ADDRESS

P.O. Box 568

CITY

STATE

ZIP

5. PICK-UP DATE

7/28/2020

6. TNRCC I.D. NO.

E**(575) 748-5488****Artesia****NM****88211**

7. NAME OR DESCRIPTION OF WASTE SHIPPED:

8. CONTAINERS
No. Type9. TOTAL
QUANTITY10. UNIT
Wt/Vol.11. TEXAS
WASTE ID #**N**a. **Non-Regulated, Non Hazardous Waste****1****CM****E**

b.

c.

Rd. **WT: 40420**

12. COMMENTS OR SPECIAL INSTRUCTIONS:

FORD STATE #1

13. WASTE PROFILE NO.

A

14.

IN CASE OF EMERGENCY OR SPILL, CONTACT

NAME

PHONE NO

24-HOUR EMERGENCY NO.

T**JOE ONTIVEROS****575-887-4048****O**15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC**R**

PRINTED/TYPED NAME

CO. MAN: JAMES CAMPANELLA

SIGNATURE

DATE

T16. **TRANSPORTER (1)**

NAME:

ROCKSTAR PACKING LLC

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT: **ALAN JOHNSON**EMERGENCY PHONE: **(575) 703-0333**18. **TRANSPORTER (1):** Acknowledgment of receipt of material

PRINTED/TYPED NAME

Victor H. Solis**7/28/2020**

SIGNATURE

DATE

17. **TRANSPORTER (2)**

NAME:

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

EMERGENCY PHONE:

19. **TRANSPORTER (2):** Acknowledgment of receipt of material

PRINTED/TYPED NAME

SIGNATURE

DATE

**D
F
I
S
P
O
S
I
T
A
L
Y****Lea Land, LLC**

ADDRESS:

**Mile Marker 64, U.S. Hwy 62/180,
30 Miles East of Carlsbad, NM**

PHONE:

575-887-4048

PERMIT NO.

WM-01-035 - New Mexico

20. COMMENTS

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

Santos

CELL NO.

DATE

7/28/2020

TIME

11:05

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

*Montes***NON-HAZARDOUS WASTE MANIFEST**

NO

137990

1. PAGE ____ OF ____

2. TRAILER NO.

03

G

3. COMPANY NAME

Judah Oil LLC

PHONE NO.

4. ADDRESS

P.O. Box 568

CITY

STATE

ZIP

5. PICK-UP DATE

7/28/2020

6. TNRCC I.D. NO.

E

(575) 748-5488

Artesia

NM

88211

N

7. NAME OR DESCRIPTION OF WASTE SHIPPED:

a. Non-Regulated, Non Hazardous Waste

E

b.

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d. WT: *38,840*

A

12. COMMENTS OR SPECIAL INSTRUCTIONS:

FORD STATE #1

13. WASTE PROFILE NO.

T

14.

IN CASE OF EMERGENCY OR SPILL, CONTACT

NAME

PHONE NO

24-HOUR EMERGENCY NO.

JOE ONTIVEROS

575-887-4048

O

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

R

PRINTED/TYPED NAME

SIGNATURE

DATE

CO. MAN: JAMES CAMPANELLA

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16. **TRANSPORTER (1)**

NAME: **ROCKSTAR PACKING LLC**

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT: **ALAN JOHNSON**

EMERGENCY PHONE: **(575) 703-0333**

17. **TRANSPORTER (2)**

NAME:

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

EMERGENCY PHONE:

18. **TRANSPORTER (1):** Acknowledgment of receipt of material

PRINTED/TYPED NAME *Luis Vega* *7/28/2020*

SIGNATURE *Luis Vega* DATE

19. **TRANSPORTER (2):** Acknowledgment of receipt of material

PRINTED/TYPED NAME

SIGNATURE DATE

Lea Land, LLC

ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM

PHONE: 575-887-4048

PERMIT NO. WM-01-035 - New Mexico

20. COMMENTS

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE *Santos Montalaz* CELL NO. DATE *7/28/2020* TIME *11:15*

Appendix G Lab Results Originals



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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	02/17/2025	Sampling Date:	02/17/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	FORD STATE 1	Sampling Condition:	Cool & Intact
Project Number:	JUD - 101	Sample Received By:	Alyssa Parras
Project Location:	JUDAH OIL 32.427621-104.059613		

Sample ID: SP 3 @ 7' (H250946-30)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/19/2025	ND	2.21	111	2.00	2.07		
Toluene*	<0.050	0.050	02/19/2025	ND	2.35	118	2.00	1.82		
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.40	120	2.00	1.78		
Total Xylenes*	<0.150	0.150	02/19/2025	ND	7.31	122	6.00	2.38		
Total BTEx	<0.300	0.300	02/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	02/18/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/18/2025	ND	211	105	200	0.663	
DRO >C10-C28*	83.0	10.0	02/18/2025	ND	195	97.3	200	0.388	
EXT DRO >C28-C36	29.8	10.0	02/18/2025	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

April 20, 2020

Ashley Maxwell
Souder, Miller & Associates
201 S Halagueno
Carlsbad, NM 88221
TEL:
FAX:

RE: Ford State 001

OrderNo.: 2004515

Dear Ashley Maxwell:

Hall Environmental Analysis Laboratory received 23 sample(s) on 4/10/2020 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,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2004515

Date Reported: 4/20/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: S1-2'

Project: Ford State 001

Collection Date: 4/8/2020 10:58:00 AM

Lab ID: 2004515-001

Matrix: SOIL

Received Date: 4/10/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	5800	96		mg/Kg	10	4/13/2020 10:34:57 AM	51740
Motor Oil Range Organics (MRO)	2300	480		mg/Kg	10	4/13/2020 10:34:57 AM	51740
Surr: DNOP	0	55.1-146	S	%Rec	10	4/13/2020 10:34:57 AM	51740
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	490	99		mg/Kg	20	4/14/2020 3:11:34 PM	51735
Surr: BFB	220	66.6-105	S	%Rec	20	4/14/2020 3:11:34 PM	51735

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
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 PQL Practical Quantitative 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

Page 1 of 30

Analytical Report

Lab Order 2004515

Date Reported: 4/20/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: S1-4'

Project: Ford State 001

Collection Date: 4/8/2020 11:02:00 AM

Lab ID: 2004515-002

Matrix: SOIL

Received Date: 4/10/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	1500	100		mg/Kg	10	4/13/2020 4:04:15 AM	51740
Motor Oil Range Organics (MRO)	590	500		mg/Kg	10	4/13/2020 4:04:15 AM	51740
Surr: DNOP	0	55.1-146	S	%Rec	10	4/13/2020 4:04:15 AM	51740
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	110	25		mg/Kg	5	4/14/2020 3:34:53 PM	51735
Surr: BFB	212	66.6-105	S	%Rec	5	4/14/2020 3:34:53 PM	51735

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not in Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 2 of 30

Analytical Report

Lab Order 2004515

Date Reported: 4/20/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: S1-6'

Project: Ford State 001

Collection Date: 4/8/2020 11:08:00 AM

Lab ID: 2004515-003

Matrix: SOIL

Received Date: 4/10/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	280	10		mg/Kg	1	4/13/2020 11:23:01 AM	51740
Motor Oil Range Organics (MRO)	150	50		mg/Kg	1	4/13/2020 11:23:01 AM	51740
Surr: DNOP	86.8	55.1-146		%Rec	1	4/13/2020 11:23:01 AM	51740
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/14/2020 3:58:14 PM	51735
Surr: BFB	135	66.6-105	S	%Rec	1	4/14/2020 3:58:14 PM	51735

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
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 PQL Practical Quantitative 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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Analytical Report

Lab Order 2004515

Date Reported: 4/20/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: S1-11'

Project: Ford State 001

Collection Date: 4/8/2020 11:40:00 AM

Lab ID: 2004515-004

Matrix: SOIL

Received Date: 4/10/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	51	9.5		mg/Kg	1	4/13/2020 4:52:21 AM	51740
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/13/2020 4:52:21 AM	51740
Surr: DNOP	92.4	55.1-146		%Rec	1	4/13/2020 4:52:21 AM	51740
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/14/2020 4:21:37 PM	51735
Surr: BFB	98.8	66.6-105		%Rec	1	4/14/2020 4:21:37 PM	51735

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2004515

Date Reported: 4/20/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: S2-2'

Project: Ford State 001

Collection Date: 4/8/2020 11:52:00 AM

Lab ID: 2004515-005

Matrix: SOIL

Received Date: 4/10/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	4/13/2020 5:16:28 AM	51740
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	4/13/2020 5:16:28 AM	51740
Surr: DNOP	78.7	55.1-146		%Rec	1	4/13/2020 5:16:28 AM	51740
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/14/2020 4:45:08 PM	51735
Surr: BFB	96.9	66.6-105		%Rec	1	4/14/2020 4:45:08 PM	51735

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2004515

Date Reported: 4/20/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: S2-4'

Project: Ford State 001

Collection Date: 4/8/2020 11:56:00 AM

Lab ID: 2004515-006

Matrix: SOIL

Received Date: 4/10/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	4/13/2020 5:40:30 AM	51740
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/13/2020 5:40:30 AM	51740
Surr: DNOP	87.0	55.1-146		%Rec	1	4/13/2020 5:40:30 AM	51740
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/14/2020 5:08:39 PM	51735
Surr: BFB	97.3	66.6-105		%Rec	1	4/14/2020 5:08:39 PM	51735

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2004515

Date Reported: 4/20/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: S2-5'

Project: Ford State 001

Collection Date: 4/8/2020 12:00:00 PM

Lab ID: 2004515-007

Matrix: SOIL

Received Date: 4/10/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/13/2020 6:04:56 AM	51740
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/13/2020 6:04:56 AM	51740
Surr: DNOP	83.9	55.1-146		%Rec	1	4/13/2020 6:04:56 AM	51740
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/14/2020 5:32:03 PM	51735
Surr: BFB	99.0	66.6-105		%Rec	1	4/14/2020 5:32:03 PM	51735

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 7 of 30

Analytical Report

Lab Order 2004515

Date Reported: 4/20/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: S3-2'

Project: Ford State 001

Collection Date: 4/8/2020 12:13:00 PM

Lab ID: 2004515-008

Matrix: SOIL

Received Date: 4/10/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	65	9.4		mg/Kg	1	4/13/2020 5:44:59 AM	51742
Motor Oil Range Organics (MRO)	170	47		mg/Kg	1	4/13/2020 5:44:59 AM	51742
Surr: DNOP	91.4	55.1-146		%Rec	1	4/13/2020 5:44:59 AM	51742
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/14/2020 5:55:24 PM	51738
Surr: BFB	97.5	66.6-105		%Rec	1	4/14/2020 5:55:24 PM	51738

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 8 of 30

Analytical Report

Lab Order 2004515

Date Reported: 4/20/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: S3-3'

Project: Ford State 001

Collection Date: 4/8/2020 12:19:00 PM

Lab ID: 2004515-009

Matrix: SOIL

Received Date: 4/10/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	25	9.3		mg/Kg	1	4/15/2020 1:29:03 PM	51742
Motor Oil Range Organics (MRO)	59	46		mg/Kg	1	4/15/2020 1:29:03 PM	51742
Surr: DNOP	110	55.1-146		%Rec	1	4/15/2020 1:29:03 PM	51742
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/14/2020 6:18:47 PM	51738
Surr: BFB	98.1	66.6-105		%Rec	1	4/14/2020 6:18:47 PM	51738

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
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative 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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Analytical Report

Lab Order 2004515

Date Reported: 4/20/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: S3-4'

Project: Ford State 001

Collection Date: 4/8/2020 12:20:00 PM

Lab ID: 2004515-010

Matrix: SOIL

Received Date: 4/10/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	10	9.5		mg/Kg	1	4/13/2020 7:19:58 AM	51742
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/13/2020 7:19:58 AM	51742
Surr: DNOP	84.2	55.1-146		%Rec	1	4/13/2020 7:19:58 AM	51742
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/14/2020 8:39:46 PM	51738
Surr: BFB	98.4	66.6-105		%Rec	1	4/14/2020 8:39:46 PM	51738

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
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 PQL Practical Quantitative 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

Page 10 of 30

Analytical Report

Lab Order 2004515

Date Reported: 4/20/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: S5-2'

Project: Ford State 001

Collection Date: 4/8/2020 10:38:00 AM

Lab ID: 2004515-011

Matrix: SOIL

Received Date: 4/10/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	2400	190		mg/Kg	20	4/13/2020 7:43:39 AM	51742
Motor Oil Range Organics (MRO)	1300	950		mg/Kg	20	4/13/2020 7:43:39 AM	51742
Surr: DNOP	0	55.1-146	S	%Rec	20	4/13/2020 7:43:39 AM	51742
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	100	50		mg/Kg	10	4/14/2020 9:03:21 PM	51738
Surr: BFB	159	66.6-105	S	%Rec	10	4/14/2020 9:03:21 PM	51738

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 11 of 30

Analytical Report

Lab Order 2004515

Date Reported: 4/20/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: S5-3'

Project: Ford State 001

Collection Date: 4/8/2020 10:45:00 AM

Lab ID: 2004515-012

Matrix: SOIL

Received Date: 4/10/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	1300	99		mg/Kg	10	4/13/2020 8:07:15 AM	51742
Motor Oil Range Organics (MRO)	790	500		mg/Kg	10	4/13/2020 8:07:15 AM	51742
Surr: DNOP	0	55.1-146	S	%Rec	10	4/13/2020 8:07:15 AM	51742
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	52	25		mg/Kg	5	4/14/2020 9:26:54 PM	51738
Surr: BFB	168	66.6-105	S	%Rec	5	4/14/2020 9:26:54 PM	51738

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
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative 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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Analytical Report

Lab Order 2004515

Date Reported: 4/20/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: S5-4'

Project: Ford State 001

Collection Date: 4/8/2020 10:47:00 AM

Lab ID: 2004515-013

Matrix: SOIL

Received Date: 4/10/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	730	93		mg/Kg	10	4/13/2020 8:54:31 AM	51742
Motor Oil Range Organics (MRO)	480	470		mg/Kg	10	4/13/2020 8:54:31 AM	51742
Surr: DNOP	0	55.1-146	S	%Rec	10	4/13/2020 8:54:31 AM	51742
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	30	25		mg/Kg	5	4/14/2020 9:50:20 PM	51738
Surr: BFB	136	66.6-105	S	%Rec	5	4/14/2020 9:50:20 PM	51738

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2004515

Date Reported: 4/20/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: S6-1'

Project: Ford State 001

Collection Date: 4/8/2020 12:43:00 PM

Lab ID: 2004515-014

Matrix: SOIL

Received Date: 4/10/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	4/13/2020 10:05:16 AM	51742
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/13/2020 10:05:16 AM	51742
Surr: DNOP	90.4	55.1-146		%Rec	1	4/13/2020 10:05:16 AM	51742
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/14/2020 10:13:50 PM	51738
Surr: BFB	94.7	66.6-105		%Rec	1	4/14/2020 10:13:50 PM	51738

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
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 PQL Practical Quantitative 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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Analytical Report

Lab Order 2004515

Date Reported: 4/20/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: S6-2'

Project: Ford State 001

Collection Date: 4/8/2020 12:45:00 PM

Lab ID: 2004515-015

Matrix: SOIL

Received Date: 4/10/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	4/13/2020 10:28:46 AM	51742
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/13/2020 10:28:46 AM	51742
Surr: DNOP	99.0	55,1-146		%Rec	1	4/13/2020 10:28:46 AM	51742
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/14/2020 10:37:16 PM	51738
Surr: BFB	95.5	66,6-105		%Rec	1	4/14/2020 10:37:16 PM	51738

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2004515

Date Reported: 4/20/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: S6-4'

Project: Ford State 001

Collection Date: 4/8/2020 12:53:00 PM

Lab ID: 2004515-016

Matrix: SOIL

Received Date: 4/10/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/13/2020 10:52:17 AM	51742
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/13/2020 10:52:17 AM	51742
Surr: DNOP	88.0	55.1-146		%Rec	1	4/13/2020 10:52:17 AM	51742
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/14/2020 11:00:46 PM	51738
Surr: BFB	93.0	66.6-105		%Rec	1	4/14/2020 11:00:46 PM	51738

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B.	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2004515

Date Reported: 4/20/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: S7-1'

Project: Ford State 001

Collection Date: 4/8/2020 12:30:00 PM

Lab ID: 2004515-017

Matrix: SOIL

Received Date: 4/10/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	23	9.5		mg/Kg	1	4/15/2020 1:53:05 PM	51742
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/15/2020 1:53:05 PM	51742
Surr: DNOP	77.6	55.1-146		%Rec	1	4/15/2020 1:53:05 PM	51742
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/14/2020 11:24:18 PM	51738
Surr: BFB	95.8	66.6-105		%Rec	1	4/14/2020 11:24:18 PM	51738

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2004515

Date Reported: 4/20/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: S7-2'

Project: Ford State 001

Collection Date: 4/8/2020 12:30:00 PM

Lab ID: 2004515-018

Matrix: SOIL

Received Date: 4/10/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/13/2020 11:39:18 AM	51742
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/13/2020 11:39:18 AM	51742
Surr: DNOP	82.0	55.1-146		%Rec	1	4/13/2020 11:39:18 AM	51742
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/14/2020 11:47:44 PM	51738
Surr: BFB	95.6	66.6-105		%Rec	1	4/14/2020 11:47:44 PM	51738

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

Qualifiers:	+	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2004515

Date Reported: 4/20/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: S7-4'

Project: Ford State 001

Collection Date: 4/8/2020 12:35:00 PM

Lab ID: 2004515-019

Matrix: SOIL

Received Date: 4/10/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	11	9.7		mg/Kg	1	4/13/2020 12:02:48 PM	51742
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/13/2020 12:02:48 PM	51742
Surr: DNOP	78.9	55.1-146		%Rec	1	4/13/2020 12:02:48 PM	51742
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/15/2020 12:11:10 AM	51738
Surr: BFB	97.6	66.6-105		%Rec	1	4/15/2020 12:11:10 AM	51738

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.
 H Holding times for preparation or analysis exceeded.
 ND Not Detected at the Reporting Limit.
 PQL Practical Quantitative 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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Analytical Report

Lab Order 2004515

Date Reported: 4/20/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: SW 1

Project: Ford State 001

Collection Date: 4/8/2020 1:22:00 PM

Lab ID: 2004515-020

Matrix: SOIL

Received Date: 4/10/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	4/14/2020 5:08:24 PM	51782
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	4/16/2020 8:33:36 AM	51849
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	4/16/2020 8:33:36 AM	51849
Surr: DNOP	89.5	55.1-146		%Rec	1	4/16/2020 8:33:36 AM	51849
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/15/2020 12:34:34 AM	51738
Surr: BFB	97.0	66.6-105		%Rec	1	4/15/2020 12:34:34 AM	51738
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	4/15/2020 12:34:34 AM	51738
Toluene	ND	0.049		mg/Kg	1	4/15/2020 12:34:34 AM	51738
Ethylbenzene	ND	0.049		mg/Kg	1	4/15/2020 12:34:34 AM	51738
Xylenes, Total	ND	0.099		mg/Kg	1	4/15/2020 12:34:34 AM	51738
Surr: 4-Bromofluorobenzene	99.5	80-120		%Rec	1	4/15/2020 12:34:34 AM	51738

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2004515

Date Reported: 4/20/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: SW 2

Project: Ford State 001

Collection Date: 4/8/2020 1:27:00 PM

Lab ID: 2004515-021

Matrix: SOIL

Received Date: 4/10/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	4/14/2020 5:20:49 PM	51782
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/13/2020 12:49:50 PM	51742
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/13/2020 12:49:50 PM	51742
Surr: DNOP	65.0	55.1-146		%Rec	1	4/13/2020 12:49:50 PM	51742
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/15/2020 12:57:58 AM	51738
Surr: BFB	93.2	66.6-105		%Rec	1	4/15/2020 12:57:58 AM	51738
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	4/15/2020 12:57:58 AM	51738
Toluene	ND	0.049		mg/Kg	1	4/15/2020 12:57:58 AM	51738
Ethylbenzene	ND	0.049		mg/Kg	1	4/15/2020 12:57:58 AM	51738
Xylenes, Total	ND	0.099		mg/Kg	1	4/15/2020 12:57:58 AM	51738
Surr: 4-Bromofluorobenzene	97.4	80-120		%Rec	1	4/15/2020 12:57:58 AM	51738

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2004515

Date Reported: 4/20/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: SW 3

Project: Ford State 001

Collection Date: 4/8/2020 1:31:00 PM

Lab ID: 2004515-022

Matrix: SOIL

Received Date: 4/10/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	150	60		mg/Kg	20	4/14/2020 5:33:13 PM	51782
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	4/13/2020 1:13:28 PM	51742
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/13/2020 1:13:28 PM	51742
Surr: DNOP	66.8	55.1-146		%Rec	1	4/13/2020 1:13:28 PM	51742
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	25	D	mg/Kg	5	4/15/2020 1:21:21 AM	51738
Surr: BFB	95.6	66.6-105	D	%Rec	5	4/15/2020 1:21:21 AM	51738
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.12	D	mg/Kg	5	4/15/2020 1:21:21 AM	51738
Toluene	ND	0.25	D	mg/Kg	5	4/15/2020 1:21:21 AM	51738
Ethylbenzene	ND	0.25	D	mg/Kg	5	4/15/2020 1:21:21 AM	51738
Xylenes, Total	ND	0.49	D	mg/Kg	5	4/15/2020 1:21:21 AM	51738
Surr: 4-Bromofluorobenzene	97.9	80-120	D	%Rec	5	4/15/2020 1:21:21 AM	51738

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
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative 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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Analytical Report

Lab Order 2004515

Date Reported: 4/20/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: SW 4

Project: Ford State 001

Collection Date: 4/8/2020 1:36:00 PM

Lab ID: 2004515-023

Matrix: SOIL

Received Date: 4/10/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	4/14/2020 6:10:27 PM	51782
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	4/16/2020 8:57:16 AM	51849
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	4/16/2020 8:57:16 AM	51849
Surr: DNOP	82.9	55.1-146		%Rec	1	4/16/2020 8:57:16 AM	51849
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	25	D	mg/Kg	5	4/15/2020 1:44:43 AM	51738
Surr: BFB	92.8	66.6-105	D	%Rec	5	4/15/2020 1:44:43 AM	51738
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.12	D	mg/Kg	5	4/15/2020 1:44:43 AM	51738
Toluene	ND	0.25	D	mg/Kg	5	4/15/2020 1:44:43 AM	51738
Ethylbenzene	ND	0.25	D	mg/Kg	5	4/15/2020 1:44:43 AM	51738
Xylenes, Total	ND	0.50	D	mg/Kg	5	4/15/2020 1:44:43 AM	51738
Surr: 4-Bromofluorobenzene	97.5	80-120	D	%Rec	5	4/15/2020 1:44:43 AM	51738

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
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 PQL Practical Quantitative 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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QC SUMMARY REPORT

WO#: 2004515

Hall Environmental Analysis Laboratory, Inc.

20-Apr-20

Client: Souder, Miller & Associates

Project: Ford State 001

Sample ID: MB-51782	SampType: mblk	TestCode: EPA Method 300.0: Anions
Client ID: PBS	Batch ID: 51782	RunNo: 68129
Prep Date: 4/14/2020	Analysis Date: 4/14/2020	SeqNo: 2355256 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	ND	1.5

Sample ID: LCS-51782	SampType: lcs	TestCode: EPA Method 300.0: Anions
Client ID: LCSS	Batch ID: 51782	RunNo: 68129
Prep Date: 4/14/2020	Analysis Date: 4/14/2020	SeqNo: 2355257 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	14	1.5 15.00 0 94.2 90 110

Qualifiers:

* Value exceeds Maximum Contaminant Level	B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix	E Value above quantitation range
H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit	P Sample pH Not In Range
PQL Practical Quantitative Limit	RL Reporting Limit
S % Recovery outside of range due to dilution or matrix	

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QC SUMMARY REPORT

WO#: 2004515

Hall Environmental Analysis Laboratory, Inc.

20-Apr-20

Client: Souder, Miller & Associates

Project: Ford State 001

Sample ID: LCS-51740	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 51740	RunNo: 68050								
Prep Date: 4/11/2020	Analysis Date: 4/12/2020	SeqNo: 2352100 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	94.2	70	130			
Surr: DNOP	4.0		5.000		79.6	55.1	146			

Sample ID: MB-51740	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 51740	RunNo: 68050								
Prep Date: 4/11/2020	Analysis Date: 4/12/2020	SeqNo: 2352102 Units: mg/Kg								
Analyte	Result	PQL	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	5.9		10.00		59.3	55.1	146			

Sample ID: MB-51742	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 51742	RunNo: 68052								
Prep Date: 4/11/2020	Analysis Date: 4/13/2020	SeqNo: 2352273 Units: mg/Kg								
Analyte	Result	PQL	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	8.2		10.00		81.7	55.1	146			

Sample ID: LCS-51742	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 51742	RunNo: 68052								
Prep Date: 4/11/2020	Analysis Date: 4/13/2020	SeqNo: 2352274 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	97.6	70	130			
Surr: DNOP	4.8		5.000		96.4	55.1	146			

Sample ID: 2004515-008AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S3-2'	Batch ID: 51742	RunNo: 68052								
Prep Date: 4/11/2020	Analysis Date: 4/13/2020	SeqNo: 2352276 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	110	10	49.95	64.98	97.9	47.4	136			
Surr: DNOP	5.3		4.995		107	55.1	146			

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 Quantitative 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

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2004515

20-Apr-20

Client: Souder, Miller & Associates

Project: Ford State 001

Sample ID: 2004515-008AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S3-2'	Batch ID: 51742	RunNo: 68052								
Prep Date: 4/11/2020	Analysis Date: 4/13/2020	SeqNo: 2352277 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	110	9.8	48.78	64.98	95.4	47.4	136	2.11	43.4	
Surr: DNOP	5.4		4.878		110	55.1	146	0	0	

Sample ID: MB-51849	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 51849	RunNo: 68131								
Prep Date: 4/16/2020	Analysis Date: 4/16/2020	SeqNo: 2356515 Units: mg/Kg								
Analyte	Result	PQL	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	8.7		10.00		86.8	55.1	146			

Sample ID: LCS-51849	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 51849	RunNo: 68131								
Prep Date: 4/16/2020	Analysis Date: 4/16/2020	SeqNo: 2356517 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	92.5	70	130			
Surr: DNOP	4.3		5.000		85.7	55.1	146			

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 Quantitative 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

Page 26 of 30

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2004515

20-Apr-20

Client: Souder, Miller & Associates

Project: Ford State 001

Sample ID: mb-51735	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 51735	RunNo: 68118								
Prep Date: 4/11/2020	Analysis Date: 4/14/2020	SeqNo: 2354646 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	970		1000		96.6	66.6	105			

Sample ID: lcs-51735	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 51735	RunNo: 68118								
Prep Date: 4/11/2020	Analysis Date: 4/14/2020	SeqNo: 2354647 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	90.6	80	120			
Surr: BFB	1000		1000		104	66.6	105			

Sample ID: mb-51738	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 51738	RunNo: 68118								
Prep Date: 4/11/2020	Analysis Date: 4/14/2020	SeqNo: 2354670 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	970		1000		97.3	66.6	105			

Sample ID: lcs-51738	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 51738	RunNo: 68118								
Prep Date: 4/11/2020	Analysis Date: 4/14/2020	SeqNo: 2354671 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	87.8	80	120			
Surr: BFB	1100		1000		106	66.6	105			S

Sample ID: 2004515-009ams	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: S3-3'	Batch ID: 51738	RunNo: 68118								
Prep Date: 4/11/2020	Analysis Date: 4/14/2020	SeqNo: 2354674 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	24.98	0	89.0	69.1	142			
Surr: BFB	1100		999.0		109	66.6	105			S

Sample ID: 2004515-009amsd	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: S3-3'	Batch ID: 51738	RunNo: 68118								
Prep Date: 4/11/2020	Analysis Date: 4/14/2020	SeqNo: 2354675 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

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 Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- F Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

WO#: 2004515

Hall Environmental Analysis Laboratory, Inc.

20-Apr-20

Client: Souder, Miller & Associates

Project: Ford State 001

Sample ID: 2004515-009amsd	SampType: MSD		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: S3-3'	Batch ID: 51738		RunNo: 68118							
Prep Date: 4/11/2020	Analysis Date: 4/14/2020		SeqNo: 2354675		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	4.9	24.73	0	82.0	69.1	142	9.22	20	
Surr: BFB	1100		989.1		108	66.6	105	0	0	S

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

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QC SUMMARY REPORT

WO#: 2004515

Hall Environmental Analysis Laboratory, Inc.

20-Apr-20

Client: Souder, Miller & Associates

Project: Ford State 001

Sample ID: mb-51735	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 51735	RunNo: 68086								
Prep Date: 4/11/2020	Analysis Date: 4/13/2020	SeqNo: 2353636 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.99		1.000		99.0	80	120			

Sample ID: LCS-51735	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 51735	RunNo: 68086								
Prep Date: 4/11/2020	Analysis Date: 4/13/2020	SeqNo: 2353637 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		100	80	120			

Sample ID: mb-51738	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 51738	RunNo: 68086								
Prep Date: 4/11/2020	Analysis Date: 4/13/2020	SeqNo: 2353660 Units: mg/Kg								
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	0.98		1.000		98.3	80	120			

Sample ID: LCS-51738	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 51738	RunNo: 68086								
Prep Date: 4/11/2020	Analysis Date: 4/13/2020	SeqNo: 2353661 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	1.000	0	89.0	80	120			
Toluene	0.91	0.050	1.000	0	91.4	80	120			
Ethylbenzene	0.94	0.050	1.000	0	94.3	80	120			
Xylenes, Total	2.8	0.10	3.000	0	94.0	80	120			
Surr: 4-Bromofluorobenzene	0.99		1.000		98.6	80	120			

Sample ID: 2004515-008ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: S3-2'	Batch ID: 51738	RunNo: 68086								
Prep Date: 4/11/2020	Analysis Date: 4/13/2020	SeqNo: 2353663 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.97	0.098	0.9833	0	99.1	21.6	180			
Benzene	0.88	0.025	0.9833	0	89.4	78.5	119			
Toluene	0.90	0.049	0.9833	0.01325	90.2	75.7	123			
Ethylbenzene	0.93	0.049	0.9833	0	94.2	74.3	126			

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 Quantitative 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

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2004515

20-Apr-20

Client: Souder, Miller & Associates

Project: Ford State 001

Sample ID: 2004515-008ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: S3-2'	Batch ID: 51738	RunNo: 68086								
Prep Date: 4/11/2020	Analysis Date: 4/13/2020	SeqNo: 2353663 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Xylenes, Total	2.8	0.098	2.950	0.01909	93.4	72.9	130			
Surr: 4-Bromofluorobenzene	0.98		0.9833		99.6	80	120			

Sample ID: 2004515-008amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: S3-2'	Batch ID: 51738	RunNo: 68086								
Prep Date: 4/11/2020	Analysis Date: 4/13/2020	SeqNo: 2353664 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	0.9911	0	90.6	78.5	119	2.15	20	
Toluene	0.92	0.050	0.9911	0.01325	91.9	75.7	123	2.62	20	
Ethylbenzene	0.95	0.050	0.9911	0	95.4	74.3	126	2.03	20	
Xylenes, Total	2.8	0.099	2.973	0.01909	95.1	72.9	130	2.56	20	
Surr: 4-Bromofluorobenzene	0.98		0.9911		99.4	80	120	0	0	

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 Quantitative 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



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: SMA-CARLSBAD

Work Order Number: 2004515

RcptNo: 1

Received By: Isaiah Ortiz 4/10/2020 8:25:00 AM

Completed By: Desiree Dominguez 4/10/2020 9:45:10 AM

Reviewed By: LB 4/10/20

Chain of Custody

1. Is Chain of Custody sufficiently complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
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 VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐
- # of preserved bottles checked for pH:
(<2 or >12 unless noted)
Adjusted?
Checked by: JR 4/10/20

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.8	Good	Not Present			

Chain-of-Custody Record

Client: SMA

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)Accreditation: ☐ Az Compliance☐ NELAC ☐ Other☐ EDD (Type)

Project Manager:

Ashley Maxwell

Sampler: SO

On Ice: ☒ Yes ☐ No

of Coolers: 4, 7, 10, 1 CF 10 (°C)

Cooler Temp (including CF): 10

Container Type and #

Preservative Type

HEAL No. 2004515

Cooler Temp (°C)

Type and #

Cooler Temp (°C)

Cooler Temp (°C)

Cooler Temp (°C)

Cooler Temp (°C)

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Cooler Temp (°C)

Cooler Temp (°C)

Date: 1/9/20

Time: 1300

Relinquished by: [Signature]

Date: 1/9/20

Time: 1900

Relinquished by: [Signature]

Date: 1/9/20

Time: 1900

Relinquished by: [Signature]

Turn-Around Time: 5 day

☒ Standard ☐ Rush

Project Name:

Ford State #001

Project #:

Project #:

Project #:

Project #:

Project #:

Project #:

Project #:

Project #:

Project #:

Project #:

Project #:

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Date: 4/9/20

Remarks:

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Date: 4/9/20

Remarks:

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Via:

Date: 4/9/20

Time: 1300

Received by: [Signature]

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Date: 4/9/20

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Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

March 10, 2020

Ashley Maxwell
Souder, Miller & Associates
201 S Halagueno
Carlsbad, NM 88221
TEL: (575) 689-8801
FAX

RE: Ford State 001

OrderNo.: 2002D03

Dear Ashley Maxwell:

Hall Environmental Analysis Laboratory received 6 sample(s) on 2/29/2020 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,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2002D03

Date Reported: 3/10/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: Comp (1)-1'

Project: Ford State 001

Collection Date: 2/28/2020 3:40:00 PM

Lab ID: 2002D03-001

Matrix: SOIL

Received Date: 2/29/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	74	60		mg/Kg	20	3/4/2020 10:54:39 PM	50887
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	2300	190		mg/Kg	20	3/9/2020 12:07:42 PM	50842
Motor Oil Range Organics (MRO)	2400	970		mg/Kg	20	3/9/2020 12:07:42 PM	50842
Surr: DNOP	0	55.1-146	S	%Rec	20	3/9/2020 12:07:42 PM	50842
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	69	23	D	mg/Kg	5	3/6/2020 12:07:54 PM	50833
Surr: BFB	170	66.6-105	SD	%Rec	5	3/6/2020 12:07:54 PM	50833
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.12	D	mg/Kg	5	3/6/2020 12:07:54 PM	50833
Toluene	ND	0.23	D	mg/Kg	5	3/6/2020 12:07:54 PM	50833
Ethylbenzene	ND	0.23	D	mg/Kg	5	3/6/2020 12:07:54 PM	50833
Xylenes, Total	0.59	0.46	D	mg/Kg	5	3/6/2020 12:07:54 PM	50833
Surr: 4-Bromofluorobenzene	94.4	80-120	D	%Rec	5	3/6/2020 12:07:54 PM	50833

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
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 PQL Practical Quantitative 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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Analytical Report

Lab Order 2002D03

Date Reported: 3/10/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: Comp (2)-1'

Project: Ford State 001

Collection Date: 2/28/2020 3:50:00 PM

Lab ID: 2002D03-002

Matrix: SOIL

Received Date: 2/29/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	78	60		mg/Kg	20	3/4/2020 11:07:00 PM	50887
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	60	9.7		mg/Kg	1	3/9/2020 12:47:20 PM	50842
Motor Oil Range Organics (MRO)	110	49		mg/Kg	1	3/9/2020 12:47:20 PM	50842
Surr: DNOP	89.4	55.1-146		%Rec	1	3/9/2020 12:47:20 PM	50842
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	3/6/2020 12:31:33 PM	50833
Surr: BFB	83.5	66.6-105		%Rec	1	3/6/2020 12:31:33 PM	50833
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	3/6/2020 12:31:33 PM	50833
Toluene	ND	0.046		mg/Kg	1	3/6/2020 12:31:33 PM	50833
Ethylbenzene	ND	0.046		mg/Kg	1	3/6/2020 12:31:33 PM	50833
Xylenes, Total	ND	0.093		mg/Kg	1	3/6/2020 12:31:33 PM	50833
Surr: 4-Bromofluorobenzene	92.5	80-120		%Rec	1	3/6/2020 12:31:33 PM	50833

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2002D03

Date Reported: 3/10/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: S2-1'

Project: Ford State 001

Collection Date: 2/28/2020 1:35:00 PM

Lab ID: 2002D03-003

Matrix: SOIL

Received Date: 2/29/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	130	60		mg/Kg	20	3/4/2020 11:19:21 PM	50887
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	3000	200		mg/Kg	20	3/9/2020 1:09:23 PM	50842
Motor Oil Range Organics (MRO)	3200	980		mg/Kg	20	3/9/2020 1:09:23 PM	50842
Surr: DNOP	0	55.1-146	S	%Rec	20	3/9/2020 1:09:23 PM	50842
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	24	D	mg/Kg	5	3/6/2020 12:55:10 PM	50833
Surr: BFB	110	66.6-105	SD	%Rec	5	3/6/2020 12:55:10 PM	50833
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.12	D	mg/Kg	5	3/6/2020 12:55:10 PM	50833
Toluene	ND	0.24	D	mg/Kg	5	3/6/2020 12:55:10 PM	50833
Ethylbenzene	ND	0.24	D	mg/Kg	5	3/6/2020 12:55:10 PM	50833
Xylenes, Total	ND	0.48	D	mg/Kg	5	3/6/2020 12:55:10 PM	50833
Surr: 4-Bromofluorobenzene	86.5	80-120	D	%Rec	5	3/6/2020 12:55:10 PM	50833

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
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative 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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Analytical Report

Lab Order 2002D03

Date Reported: 3/10/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: S4-1'

Project: Ford State 001

Collection Date: 2/28/2020 1:40:00 PM

Lab ID: 2002D03-004

Matrix: SOIL

Received Date: 2/29/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	3/4/2020 11:31:43 PM	50887
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	3/4/2020 9:27:35 PM	50842
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/4/2020 9:27:35 PM	50842
Surr: DNOP	87.9	55.1-146		%Rec	1	3/4/2020 9:27:35 PM	50842
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	3/6/2020 1:18:43 PM	50833
Surr: BFB	80.9	66.6-105		%Rec	1	3/6/2020 1:18:43 PM	50833
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	3/6/2020 1:18:43 PM	50833
Toluene	ND	0.046		mg/Kg	1	3/6/2020 1:18:43 PM	50833
Ethylbenzene	ND	0.046		mg/Kg	1	3/6/2020 1:18:43 PM	50833
Xylenes, Total	ND	0.092		mg/Kg	1	3/6/2020 1:18:43 PM	50833
Surr: 4-Bromofluorobenzene	90.2	80-120		%Rec	1	3/6/2020 1:18:43 PM	50833

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2002D03

Date Reported: 3/10/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: S5-1'

Project: Ford State 001

Collection Date: 2/28/2020 2:00:00 PM

Lab ID: 2002D03-005

Matrix: SOIL

Received Date: 2/29/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	200	59		mg/Kg	20	3/4/2020 11:44:04 PM	50887
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	69	9.8		mg/Kg	1	3/9/2020 1:53:39 PM	50842
Motor Oil Range Organics (MRO)	200	49		mg/Kg	1	3/9/2020 1:53:39 PM	50842
Surr: DNOP	89.0	55.1-146		%Rec	1	3/9/2020 1:53:39 PM	50842
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	24	D	mg/Kg	5	3/6/2020 1:42:05 PM	50833
Surr: BFB	78.3	66.6-105	D	%Rec	5	3/6/2020 1:42:05 PM	50833
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.12	D	mg/Kg	5	3/6/2020 1:42:05 PM	50833
Toluene	ND	0.24	D	mg/Kg	5	3/6/2020 1:42:05 PM	50833
Ethylbenzene	ND	0.24	D	mg/Kg	5	3/6/2020 1:42:05 PM	50833
Xylenes, Total	ND	0.48	D	mg/Kg	5	3/6/2020 1:42:05 PM	50833
Surr: 4-Bromofluorobenzene	87.1	80-120	D	%Rec	5	3/6/2020 1:42:05 PM	50833

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
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative 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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Analytical Report

Lab Order 2002D03

Date Reported: 3/10/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: S8-1'

Project: Ford State 001

Collection Date: 2/28/2020 2:38:00 PM

Lab ID: 2002D03-006

Matrix: SOIL

Received Date: 2/29/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	140	60		mg/Kg	20	3/4/2020 11:56:26 PM	50887
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	3/4/2020 9:45:46 PM	50842
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/4/2020 9:45:46 PM	50842
Surr: DNOP	99.3	55.1-146		%Rec	1	3/4/2020 9:45:46 PM	50842
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/6/2020 2:05:27 PM	50833
Surr: BFB	80.1	66.6-105		%Rec	1	3/6/2020 2:05:27 PM	50833
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	3/6/2020 2:05:27 PM	50833
Toluene	ND	0.048		mg/Kg	1	3/6/2020 2:05:27 PM	50833
Ethylbenzene	ND	0.048		mg/Kg	1	3/6/2020 2:05:27 PM	50833
Xylenes, Total	ND	0.096		mg/Kg	1	3/6/2020 2:05:27 PM	50833
Surr: 4-Bromofluorobenzene	88.2	80-120		%Rec	1	3/6/2020 2:05:27 PM	50833

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
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 PQL Practical Quantitative 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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QC SUMMARY REPORT

WO#: 2002D03

Hall Environmental Analysis Laboratory, Inc.

10-Mar-20

Client: Souder, Miller & Associates

Project: Ford State 001

Sample ID: MB-50887	SampType: mbk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 50887	RunNo: 67015								
Prep Date: 3/4/2020	Analysis Date: 3/4/2020	SeqNo: 2307606 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-50887	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 50887	RunNo: 67015								
Prep Date: 3/4/2020	Analysis Date: 3/4/2020	SeqNo: 2307607 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.1	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

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QC SUMMARY REPORT

WO#: 2002D03

Hall Environmental Analysis Laboratory, Inc.

10-Mar-20

Client: Souder, Miller & Associates

Project: Ford State 001

Sample ID: LCS-50842	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 50842	RunNo: 67011								
Prep Date: 3/3/2020	Analysis Date: 3/4/2020	SeqNo: 2306911 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	10	50.00	0	84.8	70	130			
Surr: DNOP	4.6		5.000		92.2	55.1	146			

Sample ID: MB-50842	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 50842	RunNo: 67011								
Prep Date: 3/3/2020	Analysis Date: 3/4/2020	SeqNo: 2306913 Units: mg/Kg								
Analyte	Result	PQL	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	11		10.00		105	55.1	146			

Sample ID: LCS-50931	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 50931	RunNo: 67107								
Prep Date: 3/6/2020	Analysis Date: 3/9/2020	SeqNo: 2312091 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.3		5.000		85.8	55.1	146			

Sample ID: MB-50931	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 50931	RunNo: 67107								
Prep Date: 3/6/2020	Analysis Date: 3/9/2020	SeqNo: 2312093 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.1		10.00		91.5	55.1	146			

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 Quantitative 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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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2002D03

10-Mar-20

Client: Souder, Miller & Associates

Project: Ford State 001

Sample ID: mb-50833	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 50833	RunNo: 67050								
Prep Date: 3/3/2020	Analysis Date: 3/6/2020	SeqNo: 2307829 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	840		1000		83.5	66.6	105			

Sample ID: lcs-50833	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 50833	RunNo: 67050								
Prep Date: 3/3/2020	Analysis Date: 3/6/2020	SeqNo: 2307830 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	82.2	80	120			
Surr: BFB	880		1000		87.8	66.6	105			

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 Quantitative 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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QC SUMMARY REPORT

WO#: 2002D03

Hall Environmental Analysis Laboratory, Inc.

10-Mar-20

Client: Souder, Miller & Associates

Project: Ford State 001

Sample ID: mb-50833	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 50833	RunNo: 67050								
Prep Date: 3/3/2020	Analysis Date: 3/6/2020	SeqNo: 2307876 Units: mg/Kg								
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	0.92		1.000		92.2	80	120			

Sample ID: LCS-50833	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 50833	RunNo: 67050								
Prep Date: 3/3/2020	Analysis Date: 3/6/2020	SeqNo: 2307877 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	97.3	80	120			
Toluene	1.0	0.050	1.000	0	100	80	120			
Ethylbenzene	1.0	0.050	1.000	0	102	80	120			
Xylenes, Total	3.1	0.10	3.000	0	102	80	120			
Surr: 4-Bromofluorobenzene	0.96		1.000		95.7	80	120			

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 Quantitative 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



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: SMA-CARLSBAD

Work Order Number: 2002D03

RcptNo: 1

Received By: Erin Melendrez 2/29/2020 8:00:00 AM
Completed By: Erin Melendrez 2/29/2020 11:29:12 AM
Reviewed By: EUM 3/2/20

UAG
UAG

Chain of Custody

1. Is Chain of Custody sufficiently complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
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 VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted? _____

Checked by: DAD 3/2/20

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.8	Good				
2	1.4	Good				



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

June 23, 2020

Ashley Maxwell
Souder, Miller & Associates
201 S Halagueno
Carlsbad, NM 88221
TEL: (575) 689-8801
FAX: (505) 327-1496

RE: Ford State #1

OrderNo.: 2006854

Dear Ashley Maxwell:

Hall Environmental Analysis Laboratory received 1 sample(s) on 6/17/2020 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,

A handwritten signature in black ink, appearing to read 'Andy Freeman'.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2006854

Date Reported: 6/23/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: S5-5'

Project: Ford State #1

Collection Date: 6/15/2020 10:30:00 AM

Lab ID: 2006854-001

Matrix: SOIL

Received Date: 6/17/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	6/21/2020 11:52:40 PM	53209
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	6/19/2020 10:21:15 PM	53169
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	6/19/2020 10:21:15 PM	53169
Surr: DNOP	90.0	55.1-146		%Rec	1	6/19/2020 10:21:15 PM	53169
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/20/2020 1:33:50 AM	53137
Surr: BFB	81.0	66.6-105		%Rec	1	6/20/2020 1:33:50 AM	53137
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	6/20/2020 1:33:50 AM	53137
Toluene	ND	0.048		mg/Kg	1	6/20/2020 1:33:50 AM	53137
Ethylbenzene	ND	0.048		mg/Kg	1	6/20/2020 1:33:50 AM	53137
Xylenes, Total	ND	0.097		mg/Kg	1	6/20/2020 1:33:50 AM	53137
Surr: 4-Bromofluorobenzene	105	80-120		%Rec	1	6/20/2020 1:33:50 AM	53137

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 1 of 5

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2006854

23-Jun-20

Client: Souder, Miller & Associates

Project: Ford State #1

Sample ID: MB-53209	SampType: mblk	TestCode: EPA Method 300.0: Anions
Client ID: PBS	Batch ID: 53209	RunNo: 69792
Prep Date: 6/21/2020	Analysis Date: 6/21/2020	SeqNo: 2423510 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	ND	1.5

Sample ID: LCS-53209	SampType: lcs	TestCode: EPA Method 300.0: Anions
Client ID: LCSS	Batch ID: 53209	RunNo: 69792
Prep Date: 6/21/2020	Analysis Date: 6/21/2020	SeqNo: 2423511 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	14	1.5 15.00 0 94.3 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 Quantitative Limit
S % Recovery outside of range due to dilution or matrix

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

Page 2 of 5

QC SUMMARY REPORT

WO#: 2006854

Hall Environmental Analysis Laboratory, Inc.

23-Jun-20

Client: Souder, Miller & Associates

Project: Ford State #1

Sample ID: LCS-53169	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 53169	RunNo: 69757								
Prep Date: 6/19/2020	Analysis Date: 6/19/2020	SeqNo: 2421977 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	10	50.00	0	102	70	130			
Surr: DNOP	4.4		5.000		88.0	55.1	146			

Sample ID: MB-53169	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 53169	RunNo: 69757								
Prep Date: 6/19/2020	Analysis Date: 6/19/2020	SeqNo: 2421979 Units: mg/Kg								
Analyte	Result	PQL	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	9.6		10.00		95.6	55.1	146			

Sample ID: LCS-53187	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 53187	RunNo: 69768								
Prep Date: 6/19/2020	Analysis Date: 6/20/2020	SeqNo: 2422440 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	6.5		5.000		131	55.1	146			

Sample ID: MB-53187	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 53187	RunNo: 69768								
Prep Date: 6/19/2020	Analysis Date: 6/20/2020	SeqNo: 2422443 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	12		10.00		115	55.1	146			

Qualifiers:

* Value exceeds Maximum Contaminant Level	B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix	E Value above quantitation range
H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit	P Sample pH Not In Range
PQL Practical Quantitative Limit	RL Reporting Limit
S % Recovery outside of range due to dilution or matrix	

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2006854

23-Jun-20

Client: Souder, Miller & Associates**Project:** Ford State #1

Sample ID: lcs-53137	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 53137	RunNo: 69769								
Prep Date: 6/17/2020	Analysis Date: 6/19/2020	SeqNo: 2422183 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	90.8	80	120			
Surr: BFB	910		1000		90.9	66.6	105			

Sample ID: mb-53137	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 53137	RunNo: 69769								
Prep Date: 6/17/2020	Analysis Date: 6/19/2020	SeqNo: 2422184 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	830		1000		83.2	66.6	105			

Qualifiers:

* Value exceeds Maximum Contaminant Level	B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix	E Value above quantitation range
H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit	P Sample pH Not In Range
PQL Practical Quantitative Limit	RL Reporting Limit
S % Recovery outside of range due to dilution or matrix	

Page 4 of 5

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2006854

23-Jun-20

Client: Souder, Miller & Associates

Project: Ford State #1

Sample ID: LCS-53137	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 53137	RunNo: 69769								
Prep Date: 6/17/2020	Analysis Date: 6/19/2020	SeqNo: 2422214 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.025	1.000	0	97.6	80	120			
Toluene	1.0	0.050	1.000	0	101	80	120			
Ethylbenzene	1.0	0.050	1.000	0	99.8	80	120			
Xylenes, Total	3.0	0.10	3.000	0	101	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		107	80	120			

Sample ID: mb-53137	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 53137	RunNo: 69769								
Prep Date: 6/17/2020	Analysis Date: 6/19/2020	SeqNo: 2422215 Units: mg/Kg								
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	1.1		1.000		107	80	120			

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | F Value above quantitation range |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of range due to dilution or matrix | |

Page 5 of 5



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Souder, Miller & Associates

Work Order Number: 2006854

RcptNo: 1

Received By: Emily Mocho 6/17/2020 9:10:00 AM

Completed By: Juan Rojas 6/17/2020 9:58:23 AM

Reviewed By: *EM 6/17/20*

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
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 VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved bottles checked for pH: 50
6/17/20
(<2 or >12 unless noted)
Adjusted? _____
Checked by: _____

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____ Date: _____
By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding: _____
Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.4	Good				

Report to:
Gio Gomez



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Ford State #1

Work Order: E403139

Job Number: 21064-0001

Received: 3/15/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/21/24

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 3/21/24

Gio Gomez
PO Box 247
Plains, TX 79355-0247



Project Name: Ford State #1
Workorder: E403139
Date Received: 3/15/2024 6:45:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/15/2024 6:45:00AM, under the Project Name: Ford State #1.

The analytical test results summarized in this report with the Project Name: Ford State #1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Ford State #1	Reported: 03/21/24 15:18
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
P1 -2'	E403139-01A	Soil	03/07/24	03/15/24	Glass Jar, 2 oz.
P1 -6'	E403139-02A	Soil	03/07/24	03/15/24	Glass Jar, 2 oz.
P2 -2'	E403139-03A	Soil	03/07/24	03/15/24	Glass Jar, 2 oz.
P2 -6'	E403139-04A	Soil	03/07/24	03/15/24	Glass Jar, 2 oz.
P3 -2'	E403139-05A	Soil	03/07/24	03/15/24	Glass Jar, 2 oz.
P3 -6'	E403139-06A	Soil	03/07/24	03/15/24	Glass Jar, 2 oz.
P4 -2'	E403139-07A	Soil	03/07/24	03/15/24	Glass Jar, 2 oz.
P4 -6'	E403139-08A	Soil	03/07/24	03/15/24	Glass Jar, 2 oz.
P5 -2'	E403139-09A	Soil	03/07/24	03/15/24	Glass Jar, 2 oz.
P5 -6'	E403139-10A	Soil	03/07/24	03/15/24	Glass Jar, 2 oz.
P6 -2'	E403139-11A	Soil	03/07/24	03/15/24	Glass Jar, 2 oz.
P6 -6'	E403139-12A	Soil	03/07/24	03/15/24	Glass Jar, 2 oz.
P7 -2'	E403139-13A	Soil	03/07/24	03/15/24	Glass Jar, 2 oz.
P7 -6'	E403139-14A	Soil	03/07/24	03/15/24	Glass Jar, 2 oz.
P8 -2'	E403139-15A	Soil	03/07/24	03/15/24	Glass Jar, 2 oz.
P8 -6'	E403139-16A	Soil	03/07/24	03/15/24	Glass Jar, 2 oz.
P9 -2'	E403139-17A	Soil	03/07/24	03/15/24	Glass Jar, 2 oz.
P9 -6'	E403139-18A	Soil	03/07/24	03/15/24	Glass Jar, 2 oz.
SW1 -Surface	E403139-19A	Soil	03/07/24	03/15/24	Glass Jar, 2 oz.
SW2 -Surface	E403139-20A	Soil	03/07/24	03/15/24	Glass Jar, 2 oz.
SW3 -Surface	E403139-21A	Soil	03/07/24	03/15/24	Glass Jar, 2 oz.
SW4 -Surface	E403139-22A	Soil	03/07/24	03/15/24	Glass Jar, 2 oz.
SW5 -Surface	E403139-23A	Soil	03/07/24	03/15/24	Glass Jar, 2 oz.
SW6 -Surface	E403139-24A	Soil	03/07/24	03/15/24	Glass Jar, 2 oz.
SW7 -Surface	E403139-25A	Soil	03/07/24	03/15/24	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Ford State #1
Project Number: 21064-0001
Project Manager: Gio Gomez

Reported:
3/21/2024 3:18:38PM

P1 -2' E403139-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411140
Benzene	ND	0.0250	1	03/15/24	03/19/24	
Ethylbenzene	ND	0.0250	1	03/15/24	03/19/24	
Toluene	ND	0.0250	1	03/15/24	03/19/24	
o-Xylene	ND	0.0250	1	03/15/24	03/19/24	
p,m-Xylene	ND	0.0500	1	03/15/24	03/19/24	
Total Xylenes	ND	0.0250	1	03/15/24	03/19/24	
<i>Surrogate: Bromofluorobenzene</i>		110 %	70-130	03/15/24	03/19/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.7 %	70-130	03/15/24	03/19/24	
<i>Surrogate: Toluene-d8</i>		107 %	70-130	03/15/24	03/19/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411140
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/24	03/19/24	
<i>Surrogate: Bromofluorobenzene</i>		110 %	70-130	03/15/24	03/19/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.7 %	70-130	03/15/24	03/19/24	
<i>Surrogate: Toluene-d8</i>		107 %	70-130	03/15/24	03/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2411146
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/24	03/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/24	03/18/24	
<i>Surrogate: n-Nonane</i>		98.5 %	50-200	03/15/24	03/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2412039
Chloride	ND	20.0	1	03/19/24	03/20/24	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Ford State #1
Project Number: 21064-0001
Project Manager: Gio Gomez

Reported:
3/21/2024 3:18:38PM

P1 -6'
E403139-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411140
Benzene	ND	0.0250	1	03/15/24	03/19/24	
Ethylbenzene	ND	0.0250	1	03/15/24	03/19/24	
Toluene	ND	0.0250	1	03/15/24	03/19/24	
o-Xylene	ND	0.0250	1	03/15/24	03/19/24	
p,m-Xylene	ND	0.0500	1	03/15/24	03/19/24	
Total Xylenes	ND	0.0250	1	03/15/24	03/19/24	
Surrogate: Bromofluorobenzene		109 %	70-130	03/15/24	03/19/24	
Surrogate: 1,2-Dichloroethane-d4		94.2 %	70-130	03/15/24	03/19/24	
Surrogate: Toluene-d8		108 %	70-130	03/15/24	03/19/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411140
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/24	03/19/24	
Surrogate: Bromofluorobenzene		109 %	70-130	03/15/24	03/19/24	
Surrogate: 1,2-Dichloroethane-d4		94.2 %	70-130	03/15/24	03/19/24	
Surrogate: Toluene-d8		108 %	70-130	03/15/24	03/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2411146
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/24	03/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/24	03/18/24	
Surrogate: n-Nonane		102 %	50-200	03/15/24	03/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2412039
Chloride	ND	20.0	1	03/19/24	03/20/24	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Ford State #1
Project Number: 21064-0001
Project Manager: Gio Gomez

Reported:
3/21/2024 3:18:38PM

P2 -2'

E403139-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411140
Benzene	ND	0.0250	1	03/15/24	03/19/24	
Ethylbenzene	ND	0.0250	1	03/15/24	03/19/24	
Toluene	ND	0.0250	1	03/15/24	03/19/24	
o-Xylene	ND	0.0250	1	03/15/24	03/19/24	
p,m-Xylene	ND	0.0500	1	03/15/24	03/19/24	
Total Xylenes	ND	0.0250	1	03/15/24	03/19/24	
Surrogate: Bromofluorobenzene		110 %	70-130	03/15/24	03/19/24	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130	03/15/24	03/19/24	
Surrogate: Toluene-d8		108 %	70-130	03/15/24	03/19/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411140
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/24	03/19/24	
Surrogate: Bromofluorobenzene		110 %	70-130	03/15/24	03/19/24	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130	03/15/24	03/19/24	
Surrogate: Toluene-d8		108 %	70-130	03/15/24	03/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2411146
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/24	03/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/24	03/18/24	
Surrogate: n-Nonane		98.3 %	50-200	03/15/24	03/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2412039
Chloride	ND	20.0	1	03/19/24	03/20/24	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Ford State #1
Project Number: 21064-0001
Project Manager: Gio Gomez

Reported:
3/21/2024 3:18:38PM

P2 -6'

E403139-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411140
Benzene	ND	0.0250	1	03/15/24	03/19/24	
Ethylbenzene	ND	0.0250	1	03/15/24	03/19/24	
Toluene	ND	0.0250	1	03/15/24	03/19/24	
o-Xylene	ND	0.0250	1	03/15/24	03/19/24	
p,m-Xylene	ND	0.0500	1	03/15/24	03/19/24	
Total Xylenes	ND	0.0250	1	03/15/24	03/19/24	
Surrogate: Bromofluorobenzene		110 %	70-130	03/15/24	03/19/24	
Surrogate: 1,2-Dichloroethane-d4		93.0 %	70-130	03/15/24	03/19/24	
Surrogate: Toluene-d8		108 %	70-130	03/15/24	03/19/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411140
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/24	03/19/24	
Surrogate: Bromofluorobenzene		110 %	70-130	03/15/24	03/19/24	
Surrogate: 1,2-Dichloroethane-d4		93.0 %	70-130	03/15/24	03/19/24	
Surrogate: Toluene-d8		108 %	70-130	03/15/24	03/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2411146
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/24	03/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/24	03/18/24	
Surrogate: n-Nonane		103 %	50-200	03/15/24	03/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2412039
Chloride	ND	20.0	1	03/19/24	03/20/24	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Ford State #1
Project Number: 21064-0001
Project Manager: Gio Gomez

Reported:
3/21/2024 3:18:38PM

P3 -2'

E403139-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411140
Benzene	ND	0.0250	1	03/15/24	03/19/24	
Ethylbenzene	ND	0.0250	1	03/15/24	03/19/24	
Toluene	ND	0.0250	1	03/15/24	03/19/24	
o-Xylene	ND	0.0250	1	03/15/24	03/19/24	
p,m-Xylene	ND	0.0500	1	03/15/24	03/19/24	
Total Xylenes	ND	0.0250	1	03/15/24	03/19/24	
Surrogate: Bromofluorobenzene		107 %	70-130	03/15/24	03/19/24	
Surrogate: 1,2-Dichloroethane-d4		92.8 %	70-130	03/15/24	03/19/24	
Surrogate: Toluene-d8		105 %	70-130	03/15/24	03/19/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411140
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/24	03/19/24	
Surrogate: Bromofluorobenzene		107 %	70-130	03/15/24	03/19/24	
Surrogate: 1,2-Dichloroethane-d4		92.8 %	70-130	03/15/24	03/19/24	
Surrogate: Toluene-d8		105 %	70-130	03/15/24	03/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2411146
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/24	03/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/24	03/18/24	
Surrogate: n-Nonane		100 %	50-200	03/15/24	03/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2412039
Chloride	ND	20.0	1	03/19/24	03/20/24	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Ford State #1
Project Number: 21064-0001
Project Manager: Gio Gomez

Reported:
3/21/2024 3:18:38PM

P3 -6'

E403139-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411140
Benzene	ND	0.0250	1	03/15/24	03/19/24	
Ethylbenzene	ND	0.0250	1	03/15/24	03/19/24	
Toluene	ND	0.0250	1	03/15/24	03/19/24	
o-Xylene	ND	0.0250	1	03/15/24	03/19/24	
p,m-Xylene	ND	0.0500	1	03/15/24	03/19/24	
Total Xylenes	ND	0.0250	1	03/15/24	03/19/24	
Surrogate: Bromofluorobenzene		107 %	70-130	03/15/24	03/19/24	
Surrogate: 1,2-Dichloroethane-d4		93.9 %	70-130	03/15/24	03/19/24	
Surrogate: Toluene-d8		106 %	70-130	03/15/24	03/19/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411140
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/24	03/19/24	
Surrogate: Bromofluorobenzene		107 %	70-130	03/15/24	03/19/24	
Surrogate: 1,2-Dichloroethane-d4		93.9 %	70-130	03/15/24	03/19/24	
Surrogate: Toluene-d8		106 %	70-130	03/15/24	03/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2411146
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/24	03/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/24	03/18/24	
Surrogate: n-Nonane		99.9 %	50-200	03/15/24	03/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2412039
Chloride	ND	20.0	1	03/19/24	03/20/24	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Ford State #1
Project Number: 21064-0001
Project Manager: Gio Gomez

Reported:
3/21/2024 3:18:38PM

P4 -2'

E403139-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411140
Benzene	ND	0.0250	1	03/15/24	03/19/24	
Ethylbenzene	ND	0.0250	1	03/15/24	03/19/24	
Toluene	ND	0.0250	1	03/15/24	03/19/24	
o-Xylene	ND	0.0250	1	03/15/24	03/19/24	
p,m-Xylene	ND	0.0500	1	03/15/24	03/19/24	
Total Xylenes	ND	0.0250	1	03/15/24	03/19/24	
Surrogate: Bromofluorobenzene		106 %	70-130	03/15/24	03/19/24	
Surrogate: 1,2-Dichloroethane-d4		92.6 %	70-130	03/15/24	03/19/24	
Surrogate: Toluene-d8		106 %	70-130	03/15/24	03/19/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411140
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/24	03/19/24	
Surrogate: Bromofluorobenzene		106 %	70-130	03/15/24	03/19/24	
Surrogate: 1,2-Dichloroethane-d4		92.6 %	70-130	03/15/24	03/19/24	
Surrogate: Toluene-d8		106 %	70-130	03/15/24	03/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2411146
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/24	03/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/24	03/18/24	
Surrogate: n-Nonane		89.3 %	50-200	03/15/24	03/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2412039
Chloride	ND	20.0	1	03/19/24	03/20/24	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Ford State #1
Project Number: 21064-0001
Project Manager: Gio Gomez

Reported:
3/21/2024 3:18:38PM

P4 -6'

E403139-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411140
Benzene	ND	0.0250	1	03/15/24	03/19/24	
Ethylbenzene	ND	0.0250	1	03/15/24	03/19/24	
Toluene	ND	0.0250	1	03/15/24	03/19/24	
o-Xylene	ND	0.0250	1	03/15/24	03/19/24	
p,m-Xylene	ND	0.0500	1	03/15/24	03/19/24	
Total Xylenes	ND	0.0250	1	03/15/24	03/19/24	
Surrogate: Bromofluorobenzene		107 %	70-130	03/15/24	03/19/24	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	70-130	03/15/24	03/19/24	
Surrogate: Toluene-d8		108 %	70-130	03/15/24	03/19/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411140
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/24	03/19/24	
Surrogate: Bromofluorobenzene		107 %	70-130	03/15/24	03/19/24	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	70-130	03/15/24	03/19/24	
Surrogate: Toluene-d8		108 %	70-130	03/15/24	03/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2411146
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/24	03/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/24	03/18/24	
Surrogate: n-Nonane		101 %	50-200	03/15/24	03/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2412039
Chloride	ND	20.0	1	03/19/24	03/20/24	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Ford State #1
Project Number: 21064-0001
Project Manager: Gio Gomez

Reported:
3/21/2024 3:18:38PM

P5 -2'

E403139-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411140
Benzene	ND	0.0250	1	03/15/24	03/19/24	
Ethylbenzene	ND	0.0250	1	03/15/24	03/19/24	
Toluene	ND	0.0250	1	03/15/24	03/19/24	
o-Xylene	ND	0.0250	1	03/15/24	03/19/24	
p,m-Xylene	ND	0.0500	1	03/15/24	03/19/24	
Total Xylenes	ND	0.0250	1	03/15/24	03/19/24	
Surrogate: Bromofluorobenzene		109 %	70-130	03/15/24	03/19/24	
Surrogate: 1,2-Dichloroethane-d4		94.6 %	70-130	03/15/24	03/19/24	
Surrogate: Toluene-d8		107 %	70-130	03/15/24	03/19/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411140
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/24	03/19/24	
Surrogate: Bromofluorobenzene		109 %	70-130	03/15/24	03/19/24	
Surrogate: 1,2-Dichloroethane-d4		94.6 %	70-130	03/15/24	03/19/24	
Surrogate: Toluene-d8		107 %	70-130	03/15/24	03/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2411146
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/24	03/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/24	03/18/24	
Surrogate: n-Nonane		99.6 %	50-200	03/15/24	03/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2412039
Chloride	ND	20.0	1	03/19/24	03/20/24	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Ford State #1
Project Number: 21064-0001
Project Manager: Gio Gomez

Reported:
3/21/2024 3:18:38PM

P5 -6'

E403139-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411140
Benzene	ND	0.0250	1	03/15/24	03/19/24	
Ethylbenzene	ND	0.0250	1	03/15/24	03/19/24	
Toluene	ND	0.0250	1	03/15/24	03/19/24	
o-Xylene	ND	0.0250	1	03/15/24	03/19/24	
p,m-Xylene	ND	0.0500	1	03/15/24	03/19/24	
Total Xylenes	ND	0.0250	1	03/15/24	03/19/24	
Surrogate: Bromofluorobenzene		107 %	70-130	03/15/24	03/19/24	
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130	03/15/24	03/19/24	
Surrogate: Toluene-d8		107 %	70-130	03/15/24	03/19/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411140
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/24	03/19/24	
Surrogate: Bromofluorobenzene		107 %	70-130	03/15/24	03/19/24	
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130	03/15/24	03/19/24	
Surrogate: Toluene-d8		107 %	70-130	03/15/24	03/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2411146
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/24	03/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/24	03/18/24	
Surrogate: n-Nonane		96.0 %	50-200	03/15/24	03/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2412039
Chloride	ND	20.0	1	03/19/24	03/20/24	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Ford State #1
Project Number: 21064-0001
Project Manager: Gio Gomez

Reported:
3/21/2024 3:18:38PM

P6 -2'

E403139-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411140
Benzene	ND	0.0250	1	03/15/24	03/19/24	
Ethylbenzene	ND	0.0250	1	03/15/24	03/19/24	
Toluene	ND	0.0250	1	03/15/24	03/19/24	
o-Xylene	ND	0.0250	1	03/15/24	03/19/24	
p,m-Xylene	ND	0.0500	1	03/15/24	03/19/24	
Total Xylenes	ND	0.0250	1	03/15/24	03/19/24	
Surrogate: Bromofluorobenzene		105 %	70-130	03/15/24	03/19/24	
Surrogate: 1,2-Dichloroethane-d4		92.9 %	70-130	03/15/24	03/19/24	
Surrogate: Toluene-d8		106 %	70-130	03/15/24	03/19/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411140
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/24	03/19/24	
Surrogate: Bromofluorobenzene		105 %	70-130	03/15/24	03/19/24	
Surrogate: 1,2-Dichloroethane-d4		92.9 %	70-130	03/15/24	03/19/24	
Surrogate: Toluene-d8		106 %	70-130	03/15/24	03/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2411146
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/24	03/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/24	03/18/24	
Surrogate: n-Nonane		100 %	50-200	03/15/24	03/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2412039
Chloride	ND	20.0	1	03/19/24	03/20/24	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Ford State #1
Project Number: 21064-0001
Project Manager: Gio Gomez

Reported:
3/21/2024 3:18:38PM

P6 -6'

E403139-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411140
Benzene	ND	0.0250	1	03/15/24	03/19/24	
Ethylbenzene	ND	0.0250	1	03/15/24	03/19/24	
Toluene	ND	0.0250	1	03/15/24	03/19/24	
o-Xylene	ND	0.0250	1	03/15/24	03/19/24	
p,m-Xylene	ND	0.0500	1	03/15/24	03/19/24	
Total Xylenes	ND	0.0250	1	03/15/24	03/19/24	
Surrogate: Bromofluorobenzene		107 %	70-130	03/15/24	03/19/24	
Surrogate: 1,2-Dichloroethane-d4		93.2 %	70-130	03/15/24	03/19/24	
Surrogate: Toluene-d8		107 %	70-130	03/15/24	03/19/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411140
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/24	03/19/24	
Surrogate: Bromofluorobenzene		107 %	70-130	03/15/24	03/19/24	
Surrogate: 1,2-Dichloroethane-d4		93.2 %	70-130	03/15/24	03/19/24	
Surrogate: Toluene-d8		107 %	70-130	03/15/24	03/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2411146
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/24	03/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/24	03/18/24	
Surrogate: n-Nonane		100 %	50-200	03/15/24	03/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2412039
Chloride	ND	20.0	1	03/19/24	03/20/24	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Ford State #1
Project Number: 21064-0001
Project Manager: Gio Gomez

Reported:
3/21/2024 3:18:38PM

P7 -2'

E403139-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411140
Benzene	ND	0.0250	1	03/15/24	03/19/24	
Ethylbenzene	ND	0.0250	1	03/15/24	03/19/24	
Toluene	ND	0.0250	1	03/15/24	03/19/24	
o-Xylene	ND	0.0250	1	03/15/24	03/19/24	
p,m-Xylene	ND	0.0500	1	03/15/24	03/19/24	
Total Xylenes	ND	0.0250	1	03/15/24	03/19/24	
Surrogate: Bromofluorobenzene		108 %	70-130	03/15/24	03/19/24	
Surrogate: 1,2-Dichloroethane-d4		94.2 %	70-130	03/15/24	03/19/24	
Surrogate: Toluene-d8		106 %	70-130	03/15/24	03/19/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411140
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/24	03/19/24	
Surrogate: Bromofluorobenzene		108 %	70-130	03/15/24	03/19/24	
Surrogate: 1,2-Dichloroethane-d4		94.2 %	70-130	03/15/24	03/19/24	
Surrogate: Toluene-d8		106 %	70-130	03/15/24	03/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2411146
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/24	03/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/24	03/18/24	
Surrogate: n-Nonane		102 %	50-200	03/15/24	03/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2412039
Chloride	ND	20.0	1	03/19/24	03/20/24	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Ford State #1
Project Number: 21064-0001
Project Manager: Gio Gomez

Reported:
3/21/2024 3:18:38PM

P7 -6'

E403139-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411140
Benzene	ND	0.0250	1	03/15/24	03/19/24	
Ethylbenzene	ND	0.0250	1	03/15/24	03/19/24	
Toluene	ND	0.0250	1	03/15/24	03/19/24	
o-Xylene	ND	0.0250	1	03/15/24	03/19/24	
p,m-Xylene	ND	0.0500	1	03/15/24	03/19/24	
Total Xylenes	ND	0.0250	1	03/15/24	03/19/24	
Surrogate: Bromofluorobenzene		109 %	70-130	03/15/24	03/19/24	
Surrogate: 1,2-Dichloroethane-d4		90.7 %	70-130	03/15/24	03/19/24	
Surrogate: Toluene-d8		109 %	70-130	03/15/24	03/19/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411140
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/24	03/19/24	
Surrogate: Bromofluorobenzene		109 %	70-130	03/15/24	03/19/24	
Surrogate: 1,2-Dichloroethane-d4		90.7 %	70-130	03/15/24	03/19/24	
Surrogate: Toluene-d8		109 %	70-130	03/15/24	03/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2411146
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/24	03/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/24	03/18/24	
Surrogate: n-Nonane		103 %	50-200	03/15/24	03/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2412039
Chloride	ND	20.0	1	03/19/24	03/20/24	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Ford State #1
Project Number: 21064-0001
Project Manager: Gio Gomez

Reported:
3/21/2024 3:18:38PM

P8 -2'

E403139-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411140
Benzene	ND	0.0250	1	03/15/24	03/19/24	
Ethylbenzene	ND	0.0250	1	03/15/24	03/19/24	
Toluene	ND	0.0250	1	03/15/24	03/19/24	
o-Xylene	ND	0.0250	1	03/15/24	03/19/24	
p,m-Xylene	ND	0.0500	1	03/15/24	03/19/24	
Total Xylenes	ND	0.0250	1	03/15/24	03/19/24	
Surrogate: Bromofluorobenzene		109 %	70-130	03/15/24	03/19/24	
Surrogate: 1,2-Dichloroethane-d4		94.1 %	70-130	03/15/24	03/19/24	
Surrogate: Toluene-d8		106 %	70-130	03/15/24	03/19/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411140
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/24	03/19/24	
Surrogate: Bromofluorobenzene		109 %	70-130	03/15/24	03/19/24	
Surrogate: 1,2-Dichloroethane-d4		94.1 %	70-130	03/15/24	03/19/24	
Surrogate: Toluene-d8		106 %	70-130	03/15/24	03/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2411146
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/24	03/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/24	03/18/24	
Surrogate: n-Nonane		99.7 %	50-200	03/15/24	03/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2412039
Chloride	ND	20.0	1	03/19/24	03/20/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Ford State #1	Reported: 3/21/2024 3:18:38PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

P8 -6'

E403139-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411140
Benzene	ND	0.0250	1	03/15/24	03/19/24	
Ethylbenzene	ND	0.0250	1	03/15/24	03/19/24	
Toluene	ND	0.0250	1	03/15/24	03/19/24	
o-Xylene	ND	0.0250	1	03/15/24	03/19/24	
p,m-Xylene	ND	0.0500	1	03/15/24	03/19/24	
Total Xylenes	ND	0.0250	1	03/15/24	03/19/24	
Surrogate: Bromofluorobenzene		105 %	70-130	03/15/24	03/19/24	
Surrogate: 1,2-Dichloroethane-d4		92.4 %	70-130	03/15/24	03/19/24	
Surrogate: Toluene-d8		106 %	70-130	03/15/24	03/19/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411140
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/24	03/19/24	
Surrogate: Bromofluorobenzene		105 %	70-130	03/15/24	03/19/24	
Surrogate: 1,2-Dichloroethane-d4		92.4 %	70-130	03/15/24	03/19/24	
Surrogate: Toluene-d8		106 %	70-130	03/15/24	03/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2411146
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/24	03/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/24	03/18/24	
Surrogate: n-Nonane		103 %	50-200	03/15/24	03/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2412039
Chloride	ND	20.0	1	03/19/24	03/20/24	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Ford State #1
Project Number: 21064-0001
Project Manager: Gio Gomez

Reported:
3/21/2024 3:18:38PM

P9 -2'

E403139-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411140
Benzene	ND	0.0250	1	03/15/24	03/19/24	
Ethylbenzene	ND	0.0250	1	03/15/24	03/19/24	
Toluene	ND	0.0250	1	03/15/24	03/19/24	
o-Xylene	ND	0.0250	1	03/15/24	03/19/24	
p,m-Xylene	ND	0.0500	1	03/15/24	03/19/24	
Total Xylenes	ND	0.0250	1	03/15/24	03/19/24	
Surrogate: Bromofluorobenzene		109 %	70-130	03/15/24	03/19/24	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130	03/15/24	03/19/24	
Surrogate: Toluene-d8		106 %	70-130	03/15/24	03/19/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411140
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/24	03/19/24	
Surrogate: Bromofluorobenzene		109 %	70-130	03/15/24	03/19/24	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130	03/15/24	03/19/24	
Surrogate: Toluene-d8		106 %	70-130	03/15/24	03/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2411146
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/24	03/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/24	03/18/24	
Surrogate: n-Nonane		101 %	50-200	03/15/24	03/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2412039
Chloride	ND	20.0	1	03/19/24	03/20/24	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Ford State #1
Project Number: 21064-0001
Project Manager: Gio Gomez

Reported:
3/21/2024 3:18:38PM

P9 -6'

E403139-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411140
Benzene	ND	0.0250	1	03/15/24	03/19/24	
Ethylbenzene	ND	0.0250	1	03/15/24	03/19/24	
Toluene	ND	0.0250	1	03/15/24	03/19/24	
o-Xylene	ND	0.0250	1	03/15/24	03/19/24	
p,m-Xylene	ND	0.0500	1	03/15/24	03/19/24	
Total Xylenes	ND	0.0250	1	03/15/24	03/19/24	
Surrogate: Bromofluorobenzene		104 %	70-130	03/15/24	03/19/24	
Surrogate: 1,2-Dichloroethane-d4		94.3 %	70-130	03/15/24	03/19/24	
Surrogate: Toluene-d8		107 %	70-130	03/15/24	03/19/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411140
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/24	03/19/24	
Surrogate: Bromofluorobenzene		104 %	70-130	03/15/24	03/19/24	
Surrogate: 1,2-Dichloroethane-d4		94.3 %	70-130	03/15/24	03/19/24	
Surrogate: Toluene-d8		107 %	70-130	03/15/24	03/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2411146
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/24	03/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/24	03/18/24	
Surrogate: n-Nonane		99.9 %	50-200	03/15/24	03/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2412039
Chloride	ND	20.0	1	03/19/24	03/20/24	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Ford State #1
Project Number: 21064-0001
Project Manager: Gio Gomez

Reported:
3/21/2024 3:18:38PM

SW1 -Surface

E403139-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411140
Benzene	ND	0.0250	1	03/15/24	03/19/24	
Ethylbenzene	ND	0.0250	1	03/15/24	03/19/24	
Toluene	ND	0.0250	1	03/15/24	03/19/24	
o-Xylene	ND	0.0250	1	03/15/24	03/19/24	
p,m-Xylene	ND	0.0500	1	03/15/24	03/19/24	
Total Xylenes	ND	0.0250	1	03/15/24	03/19/24	
Surrogate: Bromofluorobenzene		110 %	70-130	03/15/24	03/19/24	
Surrogate: 1,2-Dichloroethane-d4		94.6 %	70-130	03/15/24	03/19/24	
Surrogate: Toluene-d8		107 %	70-130	03/15/24	03/19/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411140
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/24	03/19/24	
Surrogate: Bromofluorobenzene		110 %	70-130	03/15/24	03/19/24	
Surrogate: 1,2-Dichloroethane-d4		94.6 %	70-130	03/15/24	03/19/24	
Surrogate: Toluene-d8		107 %	70-130	03/15/24	03/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2411146
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/24	03/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/24	03/18/24	
Surrogate: n-Nonane		105 %	50-200	03/15/24	03/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2412039
Chloride	ND	20.0	1	03/19/24	03/20/24	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Ford State #1
Project Number: 21064-0001
Project Manager: Gio Gomez

Reported:
3/21/2024 3:18:38PM

SW2 -Surface

E403139-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411140
Benzene	ND	0.0250	1	03/15/24	03/19/24	
Ethylbenzene	ND	0.0250	1	03/15/24	03/19/24	
Toluene	ND	0.0250	1	03/15/24	03/19/24	
o-Xylene	ND	0.0250	1	03/15/24	03/19/24	
p,m-Xylene	ND	0.0500	1	03/15/24	03/19/24	
Total Xylenes	ND	0.0250	1	03/15/24	03/19/24	
Surrogate: Bromofluorobenzene		109 %	70-130	03/15/24	03/19/24	
Surrogate: 1,2-Dichloroethane-d4		91.9 %	70-130	03/15/24	03/19/24	
Surrogate: Toluene-d8		107 %	70-130	03/15/24	03/19/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411140
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/24	03/19/24	
Surrogate: Bromofluorobenzene		109 %	70-130	03/15/24	03/19/24	
Surrogate: 1,2-Dichloroethane-d4		91.9 %	70-130	03/15/24	03/19/24	
Surrogate: Toluene-d8		107 %	70-130	03/15/24	03/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2411146
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/24	03/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/24	03/18/24	
Surrogate: n-Nonane		106 %	50-200	03/15/24	03/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2412039
Chloride	ND	20.0	1	03/19/24	03/20/24	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Ford State #1
Project Number: 21064-0001
Project Manager: Gio Gomez

Reported:
3/21/2024 3:18:38PM

SW3 -Surface

E403139-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2411138	
Benzene	ND	0.0250	1	03/15/24	03/15/24	
Ethylbenzene	ND	0.0250	1	03/15/24	03/15/24	
Toluene	ND	0.0250	1	03/15/24	03/15/24	
o-Xylene	ND	0.0250	1	03/15/24	03/15/24	
p,m-Xylene	ND	0.0500	1	03/15/24	03/15/24	
Total Xylenes	ND	0.0250	1	03/15/24	03/15/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.5 %	70-130		03/15/24	03/15/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2411138	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/24	03/15/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.3 %	70-130		03/15/24	03/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2411143	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/24	03/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/24	03/18/24	
<i>Surrogate: n-Nonane</i>						
	61.6 %	50-200		03/15/24	03/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2412038	
Chloride	ND	20.0	1	03/19/24	03/20/24	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Ford State #1
Project Number: 21064-0001
Project Manager: Gio Gomez

Reported:
3/21/2024 3:18:38PM

SW4 -Surface

E403139-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2411138	
Benzene	ND	0.0250	1	03/15/24	03/15/24	
Ethylbenzene	ND	0.0250	1	03/15/24	03/15/24	
Toluene	ND	0.0250	1	03/15/24	03/15/24	
o-Xylene	ND	0.0250	1	03/15/24	03/15/24	
p,m-Xylene	ND	0.0500	1	03/15/24	03/15/24	
Total Xylenes	ND	0.0250	1	03/15/24	03/15/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.7 %	70-130		03/15/24	03/15/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2411138	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/24	03/15/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.0 %	70-130		03/15/24	03/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2411143	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/24	03/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/24	03/18/24	
<i>Surrogate: n-Nonane</i>						
	83.5 %	50-200		03/15/24	03/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2412038	
Chloride	ND	20.0	1	03/19/24	03/20/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Ford State #1	Reported: 3/21/2024 3:18:38PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

SW5 -Surface
E403139-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG		Batch: 2411138	
Benzene	ND	0.0250	1	03/15/24	03/16/24	
Ethylbenzene	ND	0.0250	1	03/15/24	03/16/24	
Toluene	ND	0.0250	1	03/15/24	03/16/24	
o-Xylene	ND	0.0250	1	03/15/24	03/16/24	
p,m-Xylene	ND	0.0500	1	03/15/24	03/16/24	
Total Xylenes	ND	0.0250	1	03/15/24	03/16/24	
Surrogate: 4-Bromochlorobenzene-PID	94.2 %	70-130		03/15/24	03/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG		Batch: 2411138	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/24	03/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.9 %	70-130		03/15/24	03/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2411143	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/24	03/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/24	03/18/24	
Surrogate: n-Nonane	68.7 %	50-200		03/15/24	03/18/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2412038	
Chloride	ND	20.0	1	03/19/24	03/20/24	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Ford State #1
Project Number: 21064-0001
Project Manager: Gio Gomez

Reported:
3/21/2024 3:18:38PM

SW6 -Surface

E403139-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: EG		Batch: 2411138
Benzene	ND	0.0250	1	03/15/24	03/16/24	
Ethylbenzene	ND	0.0250	1	03/15/24	03/16/24	
Toluene	ND	0.0250	1	03/15/24	03/16/24	
o-Xylene	ND	0.0250	1	03/15/24	03/16/24	
p,m-Xylene	ND	0.0500	1	03/15/24	03/16/24	
Total Xylenes	ND	0.0250	1	03/15/24	03/16/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.3 %	70-130		03/15/24	03/16/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: EG		Batch: 2411138
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/24	03/16/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.9 %	70-130		03/15/24	03/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2411143
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/24	03/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/24	03/18/24	
<i>Surrogate: n-Nonane</i>						
	82.6 %	50-200		03/15/24	03/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2412038
Chloride	ND	20.0	1	03/19/24	03/20/24	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Ford State #1
Project Number: 21064-0001
Project Manager: Gio Gomez

Reported:
3/21/2024 3:18:38PM

SW7 -Surface

E403139-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2411138	
Benzene	ND	0.0250	1	03/15/24	03/16/24	
Ethylbenzene	ND	0.0250	1	03/15/24	03/16/24	
Toluene	ND	0.0250	1	03/15/24	03/16/24	
o-Xylene	ND	0.0250	1	03/15/24	03/16/24	
p,m-Xylene	ND	0.0500	1	03/15/24	03/16/24	
Total Xylenes	ND	0.0250	1	03/15/24	03/16/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.9 %	70-130		03/15/24	03/16/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2411138	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/24	03/16/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.3 %	70-130		03/15/24	03/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2411143	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/24	03/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/24	03/18/24	
<i>Surrogate: n-Nonane</i>						
	80.0 %	50-200		03/15/24	03/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2412038	
Chloride	ND	20.0	1	03/19/24	03/20/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Ford State #1	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	3/21/2024 3:18:38PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2411140-BLK1)

Prepared: 03/15/24 Analyzed: 03/19/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.546		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.457		0.500		91.3	70-130			
Surrogate: Toluene-d8	0.538		0.500		108	70-130			

LCS (2411140-BS1)

Prepared: 03/15/24 Analyzed: 03/19/24

Benzene	2.65	0.0250	2.50		106	70-130			
Ethylbenzene	2.66	0.0250	2.50		106	70-130			
Toluene	2.84	0.0250	2.50		114	70-130			
o-Xylene	2.69	0.0250	2.50		108	70-130			
p,m-Xylene	5.42	0.0500	5.00		108	70-130			
Total Xylenes	8.11	0.0250	7.50		108	70-130			
Surrogate: Bromofluorobenzene	0.540		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.2	70-130			
Surrogate: Toluene-d8	0.532		0.500		106	70-130			

Matrix Spike (2411140-MS1)

Source: E403139-05

Prepared: 03/15/24 Analyzed: 03/19/24

Benzene	2.64	0.0250	2.50	ND	105	48-131			
Ethylbenzene	2.63	0.0250	2.50	ND	105	45-135			
Toluene	2.81	0.0250	2.50	ND	112	48-130			
o-Xylene	2.70	0.0250	2.50	ND	108	43-135			
p,m-Xylene	5.34	0.0500	5.00	ND	107	43-135			
Total Xylenes	8.04	0.0250	7.50	ND	107	43-135			
Surrogate: Bromofluorobenzene	0.533		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.5	70-130			
Surrogate: Toluene-d8	0.530		0.500		106	70-130			

Matrix Spike Dup (2411140-MSD1)

Source: E403139-05

Prepared: 03/15/24 Analyzed: 03/19/24

Benzene	2.64	0.0250	2.50	ND	106	48-131	0.0947	23	
Ethylbenzene	2.68	0.0250	2.50	ND	107	45-135	1.92	27	
Toluene	2.87	0.0250	2.50	ND	115	48-130	2.24	24	
o-Xylene	2.75	0.0250	2.50	ND	110	43-135	1.85	27	
p,m-Xylene	5.46	0.0500	5.00	ND	109	43-135	2.19	27	
Total Xylenes	8.21	0.0250	7.50	ND	109	43-135	2.07	27	
Surrogate: Bromofluorobenzene	0.537		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.5	70-130			
Surrogate: Toluene-d8	0.533		0.500		107	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Ford State #1	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	3/21/2024 3:18:38PM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2411138-BLK1) Prepared: 03/15/24 Analyzed: 03/15/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.57		8.00		94.6	70-130			

LCS (2411138-BS1) Prepared: 03/15/24 Analyzed: 03/15/24

Benzene	5.02	0.0250	5.00		100	70-130			
Ethylbenzene	5.03	0.0250	5.00		101	70-130			
Toluene	5.00	0.0250	5.00		100	70-130			
o-Xylene	4.97	0.0250	5.00		99.3	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.1	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.63		8.00		95.3	70-130			

Matrix Spike (2411138-MS1) Source: E403138-31 Prepared: 03/15/24 Analyzed: 03/15/24

Benzene	5.04	0.0250	5.00	ND	101	54-133			
Ethylbenzene	5.04	0.0250	5.00	ND	101	61-133			
Toluene	5.04	0.0250	5.00	ND	101	61-130			
o-Xylene	5.00	0.0250	5.00	ND	100	63-131			
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131			
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.63		8.00		95.3	70-130			

Matrix Spike Dup (2411138-MSD1) Source: E403138-31 Prepared: 03/15/24 Analyzed: 03/15/24

Benzene	5.07	0.0250	5.00	ND	101	54-133	0.688	20	
Ethylbenzene	5.07	0.0250	5.00	ND	101	61-133	0.514	20	
Toluene	5.07	0.0250	5.00	ND	101	61-130	0.520	20	
o-Xylene	5.02	0.0250	5.00	ND	100	63-131	0.364	20	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131	0.536	20	
Total Xylenes	15.2	0.0250	15.0	ND	102	63-131	0.480	20	
Surrogate: 4-Bromochlorobenzene-PID	7.65		8.00		95.6	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Ford State #1	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	3/21/2024 3:18:38PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2411138-BLK1) Prepared: 03/15/24 Analyzed: 03/15/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.46		8.00		93.3	70-130			

LCS (2411138-BS2) Prepared: 03/15/24 Analyzed: 03/15/24

Gasoline Range Organics (C6-C10)	51.9	20.0	50.0		104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.3	70-130			

Matrix Spike (2411138-MS2) Source: E403138-31 Prepared: 03/15/24 Analyzed: 03/15/24

Gasoline Range Organics (C6-C10)	50.1	20.0	50.0	ND	100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.64		8.00		95.5	70-130			

Matrix Spike Dup (2411138-MSD2) Source: E403138-31 Prepared: 03/15/24 Analyzed: 03/15/24

Gasoline Range Organics (C6-C10)	51.1	20.0	50.0	ND	102	70-130	1.88	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		8.00		94.4	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Ford State #1	Reported: 3/21/2024 3:18:38PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2411140-BLK1)

Prepared: 03/15/24 Analyzed: 03/19/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.546		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.457		0.500		91.3	70-130			
Surrogate: Toluene-d8	0.538		0.500		108	70-130			

LCS (2411140-BS2)

Prepared: 03/15/24 Analyzed: 03/19/24

Gasoline Range Organics (C6-C10)	58.5	20.0	50.0		117	70-130			
Surrogate: Bromofluorobenzene	0.550		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.1	70-130			
Surrogate: Toluene-d8	0.549		0.500		110	70-130			

Matrix Spike (2411140-MS2)

Source: E403139-05

Prepared: 03/15/24 Analyzed: 03/19/24

Gasoline Range Organics (C6-C10)	56.1	20.0	50.0	ND	112	70-130			
Surrogate: Bromofluorobenzene	0.563		0.500		113	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.2	70-130			
Surrogate: Toluene-d8	0.550		0.500		110	70-130			

Matrix Spike Dup (2411140-MSD2)

Source: E403139-05

Prepared: 03/15/24 Analyzed: 03/19/24

Gasoline Range Organics (C6-C10)	56.3	20.0	50.0	ND	113	70-130	0.361	20	
Surrogate: Bromofluorobenzene	0.549		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.6	70-130			
Surrogate: Toluene-d8	0.542		0.500		108	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Ford State #1	Reported: 3/21/2024 3:18:38PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2411143-BLK1)					Prepared: 03/15/24 Analyzed: 03/18/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	43.8		50.0		87.7	50-200			

LCS (2411143-BS1)					Prepared: 03/15/24 Analyzed: 03/18/24				
Diesel Range Organics (C10-C28)	236	25.0	250		94.4	38-132			
Surrogate: n-Nonane	43.1		50.0		86.3	50-200			

Matrix Spike (2411143-MS1)					Source: E403126-03		Prepared: 03/15/24 Analyzed: 03/18/24		
Diesel Range Organics (C10-C28)	357	25.0	250	168	75.7	38-132			
Surrogate: n-Nonane	42.1		50.0		84.2	50-200			

Matrix Spike Dup (2411143-MSD1)					Source: E403126-03		Prepared: 03/15/24 Analyzed: 03/18/24		
Diesel Range Organics (C10-C28)	353	25.0	250	168	74.1	38-132	1.11	20	
Surrogate: n-Nonane	42.1		50.0		84.2	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Ford State #1	Reported: 3/21/2024 3:18:38PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2411146-BLK1) Prepared: 03/15/24 Analyzed: 03/18/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.0		50.0		112	50-200			

LCS (2411146-BS1) Prepared: 03/15/24 Analyzed: 03/18/24

Diesel Range Organics (C10-C28)	274	25.0	250		110	38-132			
Surrogate: n-Nonane	50.3		50.0		101	50-200			

Matrix Spike (2411146-MS1) Source: E403139-05 Prepared: 03/15/24 Analyzed: 03/18/24

Diesel Range Organics (C10-C28)	285	25.0	250	ND	114	38-132			
Surrogate: n-Nonane	48.6		50.0		97.2	50-200			

Matrix Spike Dup (2411146-MSD1) Source: E403139-05 Prepared: 03/15/24 Analyzed: 03/18/24

Diesel Range Organics (C10-C28)	290	25.0	250	ND	116	38-132	1.72	20	
Surrogate: n-Nonane	49.6		50.0		99.2	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Ford State #1	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	3/21/2024 3:18:38PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2412038-BLK1)					Prepared: 03/19/24 Analyzed: 03/19/24				
Chloride	ND	20.0							
LCS (2412038-BS1)					Prepared: 03/19/24 Analyzed: 03/19/24				
Chloride	250	20.0	250		100	90-110			
LCS Dup (2412038-BSD1)					Prepared: 03/19/24 Analyzed: 03/19/24				
Chloride	252	20.0	250		101	90-110	0.626	20	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Ford State #1	Reported: 3/21/2024 3:18:38PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Anions by EPA 300.0/9056A

Analyst: WF

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2412039-BLK1)					Prepared: 03/19/24 Analyzed: 03/20/24				
Chloride	ND	20.0							
LCS (2412039-BS1)					Prepared: 03/19/24 Analyzed: 03/20/24				
Chloride	250	20.0	250		99.8	90-110			
LCS Dup (2412039-BSD1)					Prepared: 03/19/24 Analyzed: 03/20/24				
Chloride	253	20.0	250		101	90-110	1.33	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.
Therefore, hand calculated values may differ slightly.

Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Ford State #1	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	03/21/24 15:18

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

Page 1 of 3

Client: Pima Environmental Services				Bill To				Lab Use Only				TAT				EPA Program			
Project: Ford State #1				Attention: Judah Oil				Lab # 403139				1D 2D 3D Standard				CWA SDWA			
Project Manager: Glo Gomez				Address:				21004-001				X							
Address: 5614 N. Lovington Hwy.				City, State, Zip				Analysis and Method								RCRA			
City, State, Zip Hobbs, NM. 88240				Phone:															
Phone: 806-782-1151				Email:															
Email: glo@pimaoil.com				Pima Project # 21-4															
Report due by:																			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC NM	BDOC TX	State					
10:37	3/7	S		P1-2'	1							X		NM	CO	UT	AZ	TX	
10:43				P1-6'	2									Y					
10:56				P2-2'	3														
11:08				P2-6'	4														
11:17				P3-2'	5														
11:26				P3-6'	6														
11:32				P4-2'	7														
11:44				P4-6'	8														
11:59				P5-2'	9														
12:08				P5-6'	10														
Additional Instructions: Bill Pima																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.												Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Received on ice: (Y) N							
Karime Adame		3/14/24		12:14		Michelle Gough		3/14/24		12:16									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Michelle Gough		3/14/24		1530		AG		3/15/24		0645									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		AVG Temp °C 4							
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA							
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

Project Information

Chain of Custody

Page 2 of 3

Client: Pima Environmental Services Project: Ford State #1 Project Manager: Glo Gomez Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 806-782-1151 Email: glo@pimaoil.com Report due by:					Bill To Attention: Judah Gil Address: City, State, Zip: Phone: Email: Pima Project # 21-4					Lab Use Only Lab ID: 403139 USE NUMBER: 21064-00		TAT 1D 2D 3D Standard				EPA Program CWA SDWA					
												Analysis and Method				RCRA					
										DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX								State NM CO UT AZ TX			
																		Remarks			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number																
12:11	3/7	S		P6-2'	11								X								
12:23				P6-6'	12																
12:38				P7-2'	13																
12:46				P7-6'	14																
12:52				P8-2'	15																
1:17				P8-6'	16																
1:28				P9-2'	17																
1:37				P9-6'	18																
1:46				sw1-Surface	19																
1:58				sw2-Surface	20																
Additional Instructions: Bill Pima																					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																					
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5 °C on subsequent days.																					
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 T2 T3 AVG Temp °C 4									
Karime Adams		3/14/24		12:14		Michelle Gough		3-14-24		12:16											
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time											
Michelle Gough		3-14-24		1530		[Signature]		3/15/24		0645											
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time											
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																					
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																					
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																					

Project Information

Chain of Custody

Page 3 of 3

Client: Pima Environmental Services Project: Ford Stake #1 Project Manager: Gio Gomez Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 806-782-1151 Email: gio@pimaoil.com Report due by:					Bill To: Judah Oil Attention: Address: City, State, Zip: Phone: Email: Pima Project # 21-4					Lab Use Only		TAT				EPA Program													
										Lab Work		Lab Number		1D	2D	3D	Standard	CWA	SDWA										
										E-903139		21064-0001					Y												
										Analysis and Method																			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM	BGDOC TX			State											
																	NM	CO	UT	AZ	TX								
																	X								Remarks				
2:16	3/17	S		SW3 - Surface	21									X															
2:27				SW4 - Surface	22																								
2:32				SW5 - Surface	23																								
2:46				SW6 - Surface	24																								
2:53				SW7 - Surface	25																								
Additional Instructions: Bill Pima																													
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5 °C on subsequent days.												
Sampled by: Karime Adame Date 3/14/24 Time 12:16 Received by: Michelle Goyl Date 3-14-24 Time 12:16																	Received on Ice: Lab Use Only Y/N												
Relinquished by: (Signature) Michelle Goyl Date 3-14-24 Time 1530 Received by: (Signature) [Signature] Date 3/15/24 Time 0645																	T1 _____ T2 _____ T3 _____												
Relinquished by: (Signature) _____ Date _____ Time _____ Received by: (Signature) _____ Date _____ Time _____																	AVG Temp °C 4												
Sample Matrix: S - Soil, sd - Solid, sg - Sludge, A - Aqueous, O - Other _____																	Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA												
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																													

Envirotech Analytical Laboratory

Printed: 3/15/2024 11:53:00AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Pima Environmental Services-Carlsbad	Date Received:	03/15/24 06:45	Work Order ID:	E403139
Phone:	(575) 631-6977	Date Logged In:	03/14/24 17:02	Logged In By:	Alexa Michaels
Email:	gio@pimaoil.com	Due Date:	03/21/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client InstructionComments/Resolution

No. of containers and Sampled by were not documented on COC by client.

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

April 20, 2020

Ashley Maxwell
Souder, Miller & Associates
201 S Halagueno
Carlsbad, NM 88221
TEL:
FAX:

RE: Ford State 001

OrderNo.: 2004515

Dear Ashley Maxwell:

Hall Environmental Analysis Laboratory received 23 sample(s) on 4/10/2020 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,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2004515

Date Reported: 4/20/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: S1-2'

Project: Ford State 001

Collection Date: 4/8/2020 10:58:00 AM

Lab ID: 2004515-001

Matrix: SOIL

Received Date: 4/10/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	5800	96		mg/Kg	10	4/13/2020 10:34:57 AM	51740
Motor Oil Range Organics (MRO)	2300	480		mg/Kg	10	4/13/2020 10:34:57 AM	51740
Surr: DNOP	0	55.1-146	S	%Rec	10	4/13/2020 10:34:57 AM	51740
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	490	99		mg/Kg	20	4/14/2020 3:11:34 PM	51735
Surr: BFB	220	66.6-105	S	%Rec	20	4/14/2020 3:11:34 PM	51735

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2004515

Date Reported: 4/20/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: S1-4'

Project: Ford State 001

Collection Date: 4/8/2020 11:02:00 AM

Lab ID: 2004515-002

Matrix: SOIL

Received Date: 4/10/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	1500	100		mg/Kg	10	4/13/2020 4:04:15 AM	51740
Motor Oil Range Organics (MRO)	590	500		mg/Kg	10	4/13/2020 4:04:15 AM	51740
Surr: DNOP	0	55.1-146	S	%Rec	10	4/13/2020 4:04:15 AM	51740
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	110	25		mg/Kg	5	4/14/2020 3:34:53 PM	51735
Surr: BFB	212	66.6-105	S	%Rec	5	4/14/2020 3:34:53 PM	51735

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2004515

Date Reported: 4/20/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: S1-6'

Project: Ford State 001

Collection Date: 4/8/2020 11:08:00 AM

Lab ID: 2004515-003

Matrix: SOIL

Received Date: 4/10/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	280	10		mg/Kg	1	4/13/2020 11:23:01 AM	51740
Motor Oil Range Organics (MRO)	150	50		mg/Kg	1	4/13/2020 11:23:01 AM	51740
Surr: DNOP	86.8	55.1-146		%Rec	1	4/13/2020 11:23:01 AM	51740
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/14/2020 3:58:14 PM	51735
Surr: BFB	135	66.6-105	S	%Rec	1	4/14/2020 3:58:14 PM	51735

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2004515

Date Reported: 4/20/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: S1-11'

Project: Ford State 001

Collection Date: 4/8/2020 11:40:00 AM

Lab ID: 2004515-004

Matrix: SOIL

Received Date: 4/10/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	51	9.5		mg/Kg	1	4/13/2020 4:52:21 AM	51740
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/13/2020 4:52:21 AM	51740
Surr: DNOP	92.4	55.1-146		%Rec	1	4/13/2020 4:52:21 AM	51740
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/14/2020 4:21:37 PM	51735
Surr: BFB	98.8	66.6-105		%Rec	1	4/14/2020 4:21:37 PM	51735

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2004515

Date Reported: 4/20/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: S2-2'

Project: Ford State 001

Collection Date: 4/8/2020 11:52:00 AM

Lab ID: 2004515-005

Matrix: SOIL

Received Date: 4/10/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	4/13/2020 5:16:28 AM	51740
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	4/13/2020 5:16:28 AM	51740
Surr: DNOP	78.7	55.1-146		%Rec	1	4/13/2020 5:16:28 AM	51740
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/14/2020 4:45:08 PM	51735
Surr: BFB	96.9	66.6-105		%Rec	1	4/14/2020 4:45:08 PM	51735

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2004515

Date Reported: 4/20/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: S2-4'

Project: Ford State 001

Collection Date: 4/8/2020 11:56:00 AM

Lab ID: 2004515-006

Matrix: SOIL

Received Date: 4/10/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	4/13/2020 5:40:30 AM	51740
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/13/2020 5:40:30 AM	51740
Surr: DNOP	87.0	55.1-146		%Rec	1	4/13/2020 5:40:30 AM	51740
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/14/2020 5:08:39 PM	51735
Surr: BFB	97.3	66.6-105		%Rec	1	4/14/2020 5:08:39 PM	51735

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2004515

Date Reported: 4/20/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: S2-5'

Project: Ford State 001

Collection Date: 4/8/2020 12:00:00 PM

Lab ID: 2004515-007

Matrix: SOIL

Received Date: 4/10/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/13/2020 6:04:56 AM	51740
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/13/2020 6:04:56 AM	51740
Surr: DNOP	83.9	55.1-146		%Rec	1	4/13/2020 6:04:56 AM	51740
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/14/2020 5:32:03 PM	51735
Surr: BFB	99.0	66.6-105		%Rec	1	4/14/2020 5:32:03 PM	51735

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2004515

Date Reported: 4/20/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: S3-2'

Project: Ford State 001

Collection Date: 4/8/2020 12:13:00 PM

Lab ID: 2004515-008

Matrix: SOIL

Received Date: 4/10/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	65	9.4		mg/Kg	1	4/13/2020 5:44:59 AM	51742
Motor Oil Range Organics (MRO)	170	47		mg/Kg	1	4/13/2020 5:44:59 AM	51742
Surr: DNOP	91.4	55.1-146		%Rec	1	4/13/2020 5:44:59 AM	51742
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/14/2020 5:55:24 PM	51738
Surr: BFB	97.5	66.6-105		%Rec	1	4/14/2020 5:55:24 PM	51738

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2004515

Date Reported: 4/20/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: S3-3'

Project: Ford State 001

Collection Date: 4/8/2020 12:19:00 PM

Lab ID: 2004515-009

Matrix: SOIL

Received Date: 4/10/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	25	9.3		mg/Kg	1	4/15/2020 1:29:03 PM	51742
Motor Oil Range Organics (MRO)	59	46		mg/Kg	1	4/15/2020 1:29:03 PM	51742
Surr: DNOP	110	55.1-146		%Rec	1	4/15/2020 1:29:03 PM	51742
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/14/2020 6:18:47 PM	51738
Surr: BFB	98.1	66.6-105		%Rec	1	4/14/2020 6:18:47 PM	51738

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2004515

Date Reported: 4/20/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: S3-4'

Project: Ford State 001

Collection Date: 4/8/2020 12:20:00 PM

Lab ID: 2004515-010

Matrix: SOIL

Received Date: 4/10/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	10	9.5		mg/Kg	1	4/13/2020 7:19:58 AM	51742
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/13/2020 7:19:58 AM	51742
Surr: DNOP	84.2	55.1-146		%Rec	1	4/13/2020 7:19:58 AM	51742
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/14/2020 8:39:46 PM	51738
Surr: BFB	98.4	66.6-105		%Rec	1	4/14/2020 8:39:46 PM	51738

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2004515

Date Reported: 4/20/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: S5-2'

Project: Ford State 001

Collection Date: 4/8/2020 10:38:00 AM

Lab ID: 2004515-011

Matrix: SOIL

Received Date: 4/10/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	2400	190		mg/Kg	20	4/13/2020 7:43:39 AM	51742
Motor Oil Range Organics (MRO)	1300	950		mg/Kg	20	4/13/2020 7:43:39 AM	51742
Surr: DNOP	0	55.1-146	S	%Rec	20	4/13/2020 7:43:39 AM	51742
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	100	50		mg/Kg	10	4/14/2020 9:03:21 PM	51738
Surr: BFB	159	66.6-105	S	%Rec	10	4/14/2020 9:03:21 PM	51738

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2004515

Date Reported: 4/20/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: S5-3'

Project: Ford State 001

Collection Date: 4/8/2020 10:45:00 AM

Lab ID: 2004515-012

Matrix: SOIL

Received Date: 4/10/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	1300	99		mg/Kg	10	4/13/2020 8:07:15 AM	51742
Motor Oil Range Organics (MRO)	790	500		mg/Kg	10	4/13/2020 8:07:15 AM	51742
Surr: DNOP	0	55.1-146	S	%Rec	10	4/13/2020 8:07:15 AM	51742
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	52	25		mg/Kg	5	4/14/2020 9:26:54 PM	51738
Surr: BFB	168	66.6-105	S	%Rec	5	4/14/2020 9:26:54 PM	51738

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2004515

Date Reported: 4/20/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: S5-4'

Project: Ford State 001

Collection Date: 4/8/2020 10:47:00 AM

Lab ID: 2004515-013

Matrix: SOIL

Received Date: 4/10/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	730	93		mg/Kg	10	4/13/2020 8:54:31 AM	51742
Motor Oil Range Organics (MRO)	480	470		mg/Kg	10	4/13/2020 8:54:31 AM	51742
Surr: DNOP	0	55.1-146	S	%Rec	10	4/13/2020 8:54:31 AM	51742
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	30	25		mg/Kg	5	4/14/2020 9:50:20 PM	51738
Surr: BFB	136	66.6-105	S	%Rec	5	4/14/2020 9:50:20 PM	51738

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2004515

Date Reported: 4/20/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: S6-1'

Project: Ford State 001

Collection Date: 4/8/2020 12:43:00 PM

Lab ID: 2004515-014

Matrix: SOIL

Received Date: 4/10/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	4/13/2020 10:05:16 AM	51742
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/13/2020 10:05:16 AM	51742
Surr: DNOP	90.4	55.1-146		%Rec	1	4/13/2020 10:05:16 AM	51742
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/14/2020 10:13:50 PM	51738
Surr: BFB	94.7	66.6-105		%Rec	1	4/14/2020 10:13:50 PM	51738

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2004515

Date Reported: 4/20/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: S6-2'

Project: Ford State 001

Collection Date: 4/8/2020 12:45:00 PM

Lab ID: 2004515-015

Matrix: SOIL

Received Date: 4/10/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	4/13/2020 10:28:46 AM	51742
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/13/2020 10:28:46 AM	51742
Surr: DNOP	99.0	55.1-146		%Rec	1	4/13/2020 10:28:46 AM	51742
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/14/2020 10:37:16 PM	51738
Surr: BFB	95.5	66.6-105		%Rec	1	4/14/2020 10:37:16 PM	51738

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2004515

Date Reported: 4/20/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: S6-4'

Project: Ford State 001

Collection Date: 4/8/2020 12:53:00 PM

Lab ID: 2004515-016

Matrix: SOIL

Received Date: 4/10/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/13/2020 10:52:17 AM	51742
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/13/2020 10:52:17 AM	51742
Surr: DNOP	88.0	55.1-146		%Rec	1	4/13/2020 10:52:17 AM	51742
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/14/2020 11:00:46 PM	51738
Surr: BFB	93.0	66.6-105		%Rec	1	4/14/2020 11:00:46 PM	51738

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2004515

Date Reported: 4/20/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: S7-1'

Project: Ford State 001

Collection Date: 4/8/2020 12:30:00 PM

Lab ID: 2004515-017

Matrix: SOIL

Received Date: 4/10/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	23	9.5		mg/Kg	1	4/15/2020 1:53:05 PM	51742
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/15/2020 1:53:05 PM	51742
Surr: DNOP	77.6	55.1-146		%Rec	1	4/15/2020 1:53:05 PM	51742
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/14/2020 11:24:18 PM	51738
Surr: BFB	95.8	66.6-105		%Rec	1	4/14/2020 11:24:18 PM	51738

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2004515

Date Reported: 4/20/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: S7-2'

Project: Ford State 001

Collection Date: 4/8/2020 12:30:00 PM

Lab ID: 2004515-018

Matrix: SOIL

Received Date: 4/10/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/13/2020 11:39:18 AM	51742
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/13/2020 11:39:18 AM	51742
Surr: DNOP	82.0	55.1-146		%Rec	1	4/13/2020 11:39:18 AM	51742
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/14/2020 11:47:44 PM	51738
Surr: BFB	95.6	66.6-105		%Rec	1	4/14/2020 11:47:44 PM	51738

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2004515

Date Reported: 4/20/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: S7-4'

Project: Ford State 001

Collection Date: 4/8/2020 12:35:00 PM

Lab ID: 2004515-019

Matrix: SOIL

Received Date: 4/10/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	11	9.7		mg/Kg	1	4/13/2020 12:02:48 PM	51742
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/13/2020 12:02:48 PM	51742
Surr: DNOP	78.9	55.1-146		%Rec	1	4/13/2020 12:02:48 PM	51742
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/15/2020 12:11:10 AM	51738
Surr: BFB	97.6	66.6-105		%Rec	1	4/15/2020 12:11:10 AM	51738

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2004515

Date Reported: 4/20/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: SW 1

Project: Ford State 001

Collection Date: 4/8/2020 1:22:00 PM

Lab ID: 2004515-020

Matrix: SOIL

Received Date: 4/10/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	4/14/2020 5:08:24 PM	51782
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	4/16/2020 8:33:36 AM	51849
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	4/16/2020 8:33:36 AM	51849
Surr: DNOP	89.5	55.1-146		%Rec	1	4/16/2020 8:33:36 AM	51849
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/15/2020 12:34:34 AM	51738
Surr: BFB	97.0	66.6-105		%Rec	1	4/15/2020 12:34:34 AM	51738
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	4/15/2020 12:34:34 AM	51738
Toluene	ND	0.049		mg/Kg	1	4/15/2020 12:34:34 AM	51738
Ethylbenzene	ND	0.049		mg/Kg	1	4/15/2020 12:34:34 AM	51738
Xylenes, Total	ND	0.099		mg/Kg	1	4/15/2020 12:34:34 AM	51738
Surr: 4-Bromofluorobenzene	99.5	80-120		%Rec	1	4/15/2020 12:34:34 AM	51738

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order 2004515

Date Reported: 4/20/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: SW 2

Project: Ford State 001

Collection Date: 4/8/2020 1:27:00 PM

Lab ID: 2004515-021

Matrix: SOIL

Received Date: 4/10/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	4/14/2020 5:20:49 PM	51782
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/13/2020 12:49:50 PM	51742
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/13/2020 12:49:50 PM	51742
Surr: DNOP	65.0	55.1-146		%Rec	1	4/13/2020 12:49:50 PM	51742
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/15/2020 12:57:58 AM	51738
Surr: BFB	93.2	66.6-105		%Rec	1	4/15/2020 12:57:58 AM	51738
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	4/15/2020 12:57:58 AM	51738
Toluene	ND	0.049		mg/Kg	1	4/15/2020 12:57:58 AM	51738
Ethylbenzene	ND	0.049		mg/Kg	1	4/15/2020 12:57:58 AM	51738
Xylenes, Total	ND	0.099		mg/Kg	1	4/15/2020 12:57:58 AM	51738
Surr: 4-Bromofluorobenzene	97.4	80-120		%Rec	1	4/15/2020 12:57:58 AM	51738

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order 2004515

Date Reported: 4/20/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: SW 3

Project: Ford State 001

Collection Date: 4/8/2020 1:31:00 PM

Lab ID: 2004515-022

Matrix: SOIL

Received Date: 4/10/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	150	60		mg/Kg	20	4/14/2020 5:33:13 PM	51782
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	4/13/2020 1:13:28 PM	51742
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/13/2020 1:13:28 PM	51742
Surr: DNOP	66.8	55.1-146		%Rec	1	4/13/2020 1:13:28 PM	51742
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	25	D	mg/Kg	5	4/15/2020 1:21:21 AM	51738
Surr: BFB	95.6	66.6-105	D	%Rec	5	4/15/2020 1:21:21 AM	51738
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.12	D	mg/Kg	5	4/15/2020 1:21:21 AM	51738
Toluene	ND	0.25	D	mg/Kg	5	4/15/2020 1:21:21 AM	51738
Ethylbenzene	ND	0.25	D	mg/Kg	5	4/15/2020 1:21:21 AM	51738
Xylenes, Total	ND	0.49	D	mg/Kg	5	4/15/2020 1:21:21 AM	51738
Surr: 4-Bromofluorobenzene	97.9	80-120	D	%Rec	5	4/15/2020 1:21:21 AM	51738

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order 2004515

Date Reported: 4/20/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: SW 4

Project: Ford State 001

Collection Date: 4/8/2020 1:36:00 PM

Lab ID: 2004515-023

Matrix: SOIL

Received Date: 4/10/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	4/14/2020 6:10:27 PM	51782
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	4/16/2020 8:57:16 AM	51849
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	4/16/2020 8:57:16 AM	51849
Surr: DNOP	82.9	55.1-146		%Rec	1	4/16/2020 8:57:16 AM	51849
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	25	D	mg/Kg	5	4/15/2020 1:44:43 AM	51738
Surr: BFB	92.8	66.6-105	D	%Rec	5	4/15/2020 1:44:43 AM	51738
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.12	D	mg/Kg	5	4/15/2020 1:44:43 AM	51738
Toluene	ND	0.25	D	mg/Kg	5	4/15/2020 1:44:43 AM	51738
Ethylbenzene	ND	0.25	D	mg/Kg	5	4/15/2020 1:44:43 AM	51738
Xylenes, Total	ND	0.50	D	mg/Kg	5	4/15/2020 1:44:43 AM	51738
Surr: 4-Bromofluorobenzene	97.5	80-120	D	%Rec	5	4/15/2020 1:44:43 AM	51738

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2004515

20-Apr-20

Client: Souder, Miller & Associates

Project: Ford State 001

Sample ID: MB-51782		SampType: mblk		TestCode: EPA Method 300.0: Anions						
Client ID: PBS		Batch ID: 51782		RunNo: 68129						
Prep Date: 4/14/2020		Analysis Date: 4/14/2020		SeqNo: 2355256			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-51782		SampType: lcs		TestCode: EPA Method 300.0: Anions						
Client ID: LCSS		Batch ID: 51782		RunNo: 68129						
Prep Date: 4/14/2020		Analysis Date: 4/14/2020		SeqNo: 2355257			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.2	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 Quantitative 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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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2004515

20-Apr-20

Client: Souder, Miller & Associates**Project:** Ford State 001

Sample ID: LCS-51740		SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: LCSS		Batch ID: 51740			RunNo: 68050					
Prep Date: 4/11/2020		Analysis Date: 4/12/2020			SeqNo: 2352100		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	94.2	70	130			
Surr: DNOP	4.0		5.000		79.6	55.1	146			

Sample ID: MB-51740		SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: PBS		Batch ID: 51740			RunNo: 68050					
Prep Date: 4/11/2020		Analysis Date: 4/12/2020			SeqNo: 2352102		Units: mg/Kg			
Analyte	Result	PQL	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	5.9		10.00		59.3	55.1	146			

Sample ID: MB-51742		SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: PBS		Batch ID: 51742			RunNo: 68052					
Prep Date: 4/11/2020		Analysis Date: 4/13/2020			SeqNo: 2352273		Units: mg/Kg			
Analyte	Result	PQL	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	8.2		10.00		81.7	55.1	146			

Sample ID: LCS-51742		SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: LCSS		Batch ID: 51742			RunNo: 68052					
Prep Date: 4/11/2020		Analysis Date: 4/13/2020			SeqNo: 2352274		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	97.6	70	130			
Surr: DNOP	4.8		5.000		96.4	55.1	146			

Sample ID: 2004515-008AMS		SampType: MS			TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: S3-2'		Batch ID: 51742			RunNo: 68052					
Prep Date: 4/11/2020		Analysis Date: 4/13/2020			SeqNo: 2352276		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	110	10	49.95	64.98	97.9	47.4	136			
Surr: DNOP	5.3		4.995		107	55.1	146			

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 Quantitative 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

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2004515

20-Apr-20

Client: Souder, Miller & Associates**Project:** Ford State 001

Sample ID: 2004515-008AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S3-2'	Batch ID: 51742	RunNo: 68052								
Prep Date: 4/11/2020	Analysis Date: 4/13/2020	SeqNo: 2352277			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	110	9.8	48.78	64.98	95.4	47.4	136	2.11	43.4	
Surr: DNOP	5.4		4.878		110	55.1	146	0	0	

Sample ID: MB-51849	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 51849	RunNo: 68131								
Prep Date: 4/16/2020	Analysis Date: 4/16/2020	SeqNo: 2356515			Units: mg/Kg					
Analyte	Result	PQL	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	8.7		10.00		86.8	55.1	146			

Sample ID: LCS-51849	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 51849	RunNo: 68131								
Prep Date: 4/16/2020	Analysis Date: 4/16/2020	SeqNo: 2356517			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	92.5	70	130			
Surr: DNOP	4.3		5.000		85.7	55.1	146			

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 Quantitative 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

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2004515

20-Apr-20

Client: Souder, Miller & Associates**Project:** Ford State 001

Sample ID: mb-51735	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 51735			RunNo: 68118						
Prep Date: 4/11/2020	Analysis Date: 4/14/2020			SeqNo: 2354646		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	970		1000		96.6	66.6	105			

Sample ID: lcs-51735	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 51735			RunNo: 68118						
Prep Date: 4/11/2020	Analysis Date: 4/14/2020			SeqNo: 2354647		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	90.6	80	120			
Surr: BFB	1000		1000		104	66.6	105			

Sample ID: mb-51738	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 51738			RunNo: 68118						
Prep Date: 4/11/2020	Analysis Date: 4/14/2020			SeqNo: 2354670		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	970		1000		97.3	66.6	105			

Sample ID: lcs-51738	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 51738			RunNo: 68118						
Prep Date: 4/11/2020	Analysis Date: 4/14/2020			SeqNo: 2354671		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	87.8	80	120			
Surr: BFB	1100		1000		106	66.6	105			S

Sample ID: 2004515-009ams	SampType: MS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: S3-3'	Batch ID: 51738			RunNo: 68118						
Prep Date: 4/11/2020	Analysis Date: 4/14/2020			SeqNo: 2354674		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	24.98	0	89.0	69.1	142			
Surr: BFB	1100		999.0		109	66.6	105			S

Sample ID: 2004515-009amsd	SampType: MSD			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: S3-3'	Batch ID: 51738			RunNo: 68118						
Prep Date: 4/11/2020	Analysis Date: 4/14/2020			SeqNo: 2354675		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

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 Quantitative 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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2004515

20-Apr-20

Client: Souder, Miller & Associates**Project:** Ford State 001

Sample ID: 2004515-009amsd		SampType: MSD		TestCode: EPA Method 8015D: Gasoline Range						
Client ID: S3-3'		Batch ID: 51738		RunNo: 68118						
Prep Date: 4/11/2020		Analysis Date: 4/14/2020		SeqNo: 2354675		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	4.9	24.73	0	82.0	69.1	142	9.22	20	
Surr: BFB	1100		989.1		108	66.6	105	0	0	S

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 Quantitative 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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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2004515

20-Apr-20

Client: Souder, Miller & Associates**Project:** Ford State 001

Sample ID: mb-51735	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch ID: 51735			RunNo: 68086						
Prep Date: 4/11/2020	Analysis Date: 4/13/2020			SeqNo: 2353636			Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.99		1.000		99.0	80	120			

Sample ID: LCS-51735	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: 51735			RunNo: 68086						
Prep Date: 4/11/2020	Analysis Date: 4/13/2020			SeqNo: 2353637			Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		100	80	120			

Sample ID: mb-51738	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch ID: 51738			RunNo: 68086						
Prep Date: 4/11/2020	Analysis Date: 4/13/2020			SeqNo: 2353660			Units: mg/Kg			
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	0.98		1.000		98.3	80	120			

Sample ID: LCS-51738	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: 51738			RunNo: 68086						
Prep Date: 4/11/2020	Analysis Date: 4/13/2020			SeqNo: 2353661			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	1.000	0	89.0	80	120			
Toluene	0.91	0.050	1.000	0	91.4	80	120			
Ethylbenzene	0.94	0.050	1.000	0	94.3	80	120			
Xylenes, Total	2.8	0.10	3.000	0	94.0	80	120			
Surr: 4-Bromofluorobenzene	0.99		1.000		98.6	80	120			

Sample ID: 2004515-008ams	SampType: MS			TestCode: EPA Method 8021B: Volatiles						
Client ID: S3-2'	Batch ID: 51738			RunNo: 68086						
Prep Date: 4/11/2020	Analysis Date: 4/13/2020			SeqNo: 2353663			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.97	0.098	0.9833	0	99.1	21.6	180			
Benzene	0.88	0.025	0.9833	0	89.4	78.5	119			
Toluene	0.90	0.049	0.9833	0.01325	90.2	75.7	123			
Ethylbenzene	0.93	0.049	0.9833	0	94.2	74.3	126			

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 Quantitative 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

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2004515

20-Apr-20

Client: Souder, Miller & Associates**Project:** Ford State 001

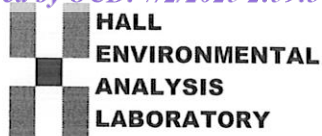
Sample ID: 2004515-008ams		SampType: MS			TestCode: EPA Method 8021B: Volatiles						
Client ID: S3-2'		Batch ID: 51738			RunNo: 68086						
Prep Date: 4/11/2020		Analysis Date: 4/13/2020			SeqNo: 2353663		Units: mg/Kg				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Xylenes, Total		2.8	0.098	2.950	0.01909	93.4	72.9	130			
Surr: 4-Bromofluorobenzene		0.98		0.9833		99.6	80	120			

Sample ID: 2004515-008amsd		SampType: MSD		TestCode: EPA Method 8021B: Volatiles						
Client ID: S3-2'		Batch ID: 51738		RunNo: 68086						
Prep Date: 4/11/2020		Analysis Date: 4/13/2020		SeqNo: 2353664		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	0.9911	0	90.6	78.5	119	2.15	20	
Toluene	0.92	0.050	0.9911	0.01325	91.9	75.7	123	2.62	20	
Ethylbenzene	0.95	0.050	0.9911	0	95.4	74.3	126	2.03	20	
Xylenes, Total	2.8	0.099	2.973	0.01909	95.1	72.9	130	2.56	20	
Surr: 4-Bromofluorobenzene	0.98		0.9911		99.4	80	120	0	0	

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 Quantitative 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



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: **SMA-CARLSBAD**Work Order Number: **2004515**

RcptNo: 1

Received By: **Isaiah Ortiz** 4/10/2020 8:25:00 AMCompleted By: **Desiree Dominguez** 4/10/2020 9:45:10 AMReviewed By: *LB* *4/10/20**I-Ox**DD*

Chain of Custody

1. Is Chain of Custody sufficiently complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C Yes ☒ No ☐ NA ☐
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 VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: *JR 4/10/20*

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.8	Good	Not Present			

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Chain-of-Custody Record									
Client: SMA		Turn-Around Time: 5 days							
Mailing Address:		<input checked="" type="checkbox"/> Standard		<input type="checkbox"/> Rush		Project Name:			
		Project #:							
Phone #:		Project Manager:							
email or Fax#:		Sampler: SO							
QA/QC Package:		On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No							
<input checked="" type="checkbox"/> Standard		<input type="checkbox"/> Level 4 (Full Validation)		<input type="checkbox"/> Az Compliance		<input type="checkbox"/> NELAC			
<input type="checkbox"/> EDD (Type)		<input type="checkbox"/> Other		# of Coolers: 4.7-10.1 (CF) 10 (°C)					
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.			
4/18/20	10:47	Soil	S5-4'	402	Cool	2004515	-013		
	12:43		S6-1'				-014		
	12:45		S6-2'				-015		
	12:53		S6-4'				-016		
	12:30		S7-1'				-017		
	12:30		S7-2'				-018		
	12:35		S7-4'				-019		
	1:22		SW1				-020		
	1:27		SW2				-021		
	1:31		SW3				-022		
	1:36		SW4				-023		
Relinquished by:		Relinquished by:		Relinquished by:		Relinquished by:		Relinquished by:	
Date:	Time:	Date:	Time:	Date:	Time:	Date:	Time:	Date:	Time:
4/19/20	1302	4/19/20	1302	4/19/20	1302	4/19/20	1302	4/19/20	1302
Date:	Time:	Date:	Time:	Date:	Time:	Date:	Time:	Date:	Time:
4/19/20	1900	4/19/20	1900	4/19/20	1900	4/19/20	1900	4/19/20	1900

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

March 10, 2020

Ashley Maxwell
Souder, Miller & Associates
201 S Halagueno
Carlsbad, NM 88221
TEL: (575) 689-8801
FAX

RE: Ford State 001

OrderNo.: 2002D03

Dear Ashley Maxwell:

Hall Environmental Analysis Laboratory received 6 sample(s) on 2/29/2020 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,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2002D03

Date Reported: 3/10/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: Comp (1)-1'

Project: Ford State 001

Collection Date: 2/28/2020 3:40:00 PM

Lab ID: 2002D03-001

Matrix: SOIL

Received Date: 2/29/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	74	60		mg/Kg	20	3/4/2020 10:54:39 PM	50887
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	2300	190		mg/Kg	20	3/9/2020 12:07:42 PM	50842
Motor Oil Range Organics (MRO)	2400	970		mg/Kg	20	3/9/2020 12:07:42 PM	50842
Surr: DNOP	0	55.1-146	S	%Rec	20	3/9/2020 12:07:42 PM	50842
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	69	23	D	mg/Kg	5	3/6/2020 12:07:54 PM	50833
Surr: BFB	170	66.6-105	SD	%Rec	5	3/6/2020 12:07:54 PM	50833
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.12	D	mg/Kg	5	3/6/2020 12:07:54 PM	50833
Toluene	ND	0.23	D	mg/Kg	5	3/6/2020 12:07:54 PM	50833
Ethylbenzene	ND	0.23	D	mg/Kg	5	3/6/2020 12:07:54 PM	50833
Xylenes, Total	0.59	0.46	D	mg/Kg	5	3/6/2020 12:07:54 PM	50833
Surr: 4-Bromofluorobenzene	94.4	80-120	D	%Rec	5	3/6/2020 12:07:54 PM	50833

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 1 of 10

Analytical Report

Lab Order 2002D03

Date Reported: 3/10/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: Comp (2)-1'

Project: Ford State 001

Collection Date: 2/28/2020 3:50:00 PM

Lab ID: 2002D03-002

Matrix: SOIL

Received Date: 2/29/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	78	60		mg/Kg	20	3/4/2020 11:07:00 PM	50887
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	60	9.7		mg/Kg	1	3/9/2020 12:47:20 PM	50842
Motor Oil Range Organics (MRO)	110	49		mg/Kg	1	3/9/2020 12:47:20 PM	50842
Surr: DNOP	89.4	55.1-146		%Rec	1	3/9/2020 12:47:20 PM	50842
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	3/6/2020 12:31:33 PM	50833
Surr: BFB	83.5	66.6-105		%Rec	1	3/6/2020 12:31:33 PM	50833
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	3/6/2020 12:31:33 PM	50833
Toluene	ND	0.046		mg/Kg	1	3/6/2020 12:31:33 PM	50833
Ethylbenzene	ND	0.046		mg/Kg	1	3/6/2020 12:31:33 PM	50833
Xylenes, Total	ND	0.093		mg/Kg	1	3/6/2020 12:31:33 PM	50833
Surr: 4-Bromofluorobenzene	92.5	80-120		%Rec	1	3/6/2020 12:31:33 PM	50833

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2002D03

Date Reported: 3/10/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: S2-1'

Project: Ford State 001

Collection Date: 2/28/2020 1:35:00 PM

Lab ID: 2002D03-003

Matrix: SOIL

Received Date: 2/29/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	130	60		mg/Kg	20	3/4/2020 11:19:21 PM	50887
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	3000	200		mg/Kg	20	3/9/2020 1:09:23 PM	50842
Motor Oil Range Organics (MRO)	3200	980		mg/Kg	20	3/9/2020 1:09:23 PM	50842
Surr: DNOP	0	55.1-146	S	%Rec	20	3/9/2020 1:09:23 PM	50842
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	24	D	mg/Kg	5	3/6/2020 12:55:10 PM	50833
Surr: BFB	110	66.6-105	SD	%Rec	5	3/6/2020 12:55:10 PM	50833
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.12	D	mg/Kg	5	3/6/2020 12:55:10 PM	50833
Toluene	ND	0.24	D	mg/Kg	5	3/6/2020 12:55:10 PM	50833
Ethylbenzene	ND	0.24	D	mg/Kg	5	3/6/2020 12:55:10 PM	50833
Xylenes, Total	ND	0.48	D	mg/Kg	5	3/6/2020 12:55:10 PM	50833
Surr: 4-Bromofluorobenzene	86.5	80-120	D	%Rec	5	3/6/2020 12:55:10 PM	50833

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order 2002D03

Date Reported: 3/10/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: S4-1'

Project: Ford State 001

Collection Date: 2/28/2020 1:40:00 PM

Lab ID: 2002D03-004

Matrix: SOIL

Received Date: 2/29/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	3/4/2020 11:31:43 PM	50887
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	3/4/2020 9:27:35 PM	50842
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/4/2020 9:27:35 PM	50842
Surr: DNOP	87.9	55.1-146		%Rec	1	3/4/2020 9:27:35 PM	50842
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	3/6/2020 1:18:43 PM	50833
Surr: BFB	80.9	66.6-105		%Rec	1	3/6/2020 1:18:43 PM	50833
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	3/6/2020 1:18:43 PM	50833
Toluene	ND	0.046		mg/Kg	1	3/6/2020 1:18:43 PM	50833
Ethylbenzene	ND	0.046		mg/Kg	1	3/6/2020 1:18:43 PM	50833
Xylenes, Total	ND	0.092		mg/Kg	1	3/6/2020 1:18:43 PM	50833
Surr: 4-Bromofluorobenzene	90.2	80-120		%Rec	1	3/6/2020 1:18:43 PM	50833

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2002D03

Date Reported: 3/10/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: S5-1'

Project: Ford State 001

Collection Date: 2/28/2020 2:00:00 PM

Lab ID: 2002D03-005

Matrix: SOIL

Received Date: 2/29/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	200	59		mg/Kg	20	3/4/2020 11:44:04 PM	50887
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	69	9.8		mg/Kg	1	3/9/2020 1:53:39 PM	50842
Motor Oil Range Organics (MRO)	200	49		mg/Kg	1	3/9/2020 1:53:39 PM	50842
Surr: DNOP	89.0	55.1-146		%Rec	1	3/9/2020 1:53:39 PM	50842
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	24	D	mg/Kg	5	3/6/2020 1:42:05 PM	50833
Surr: BFB	78.3	66.6-105	D	%Rec	5	3/6/2020 1:42:05 PM	50833
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.12	D	mg/Kg	5	3/6/2020 1:42:05 PM	50833
Toluene	ND	0.24	D	mg/Kg	5	3/6/2020 1:42:05 PM	50833
Ethylbenzene	ND	0.24	D	mg/Kg	5	3/6/2020 1:42:05 PM	50833
Xylenes, Total	ND	0.48	D	mg/Kg	5	3/6/2020 1:42:05 PM	50833
Surr: 4-Bromofluorobenzene	87.1	80-120	D	%Rec	5	3/6/2020 1:42:05 PM	50833

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order 2002D03

Date Reported: 3/10/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: S8-1'

Project: Ford State 001

Collection Date: 2/28/2020 2:38:00 PM

Lab ID: 2002D03-006

Matrix: SOIL

Received Date: 2/29/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	140	60		mg/Kg	20	3/4/2020 11:56:26 PM	50887
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	3/4/2020 9:45:46 PM	50842
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/4/2020 9:45:46 PM	50842
Surr: DNOP	99.3	55.1-146		%Rec	1	3/4/2020 9:45:46 PM	50842
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/6/2020 2:05:27 PM	50833
Surr: BFB	80.1	66.6-105		%Rec	1	3/6/2020 2:05:27 PM	50833
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	3/6/2020 2:05:27 PM	50833
Toluene	ND	0.048		mg/Kg	1	3/6/2020 2:05:27 PM	50833
Ethylbenzene	ND	0.048		mg/Kg	1	3/6/2020 2:05:27 PM	50833
Xylenes, Total	ND	0.096		mg/Kg	1	3/6/2020 2:05:27 PM	50833
Surr: 4-Bromofluorobenzene	88.2	80-120		%Rec	1	3/6/2020 2:05:27 PM	50833

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2002D03
10-Mar-20

Client: Souder, Miller & Associates
Project: Ford State 001

Sample ID: MB-50887		SampType: mblk		TestCode: EPA Method 300.0: Anions						
Client ID: PBS		Batch ID: 50887		RunNo: 67015						
Prep Date: 3/4/2020		Analysis Date: 3/4/2020		SeqNo: 2307606		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-50887		SampType: lcs		TestCode: EPA Method 300.0: Anions						
Client ID: LCSS		Batch ID: 50887		RunNo: 67015						
Prep Date: 3/4/2020		Analysis Date: 3/4/2020		SeqNo: 2307607		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.1	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 Quantitative 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

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2002D03

10-Mar-20

Client: Souder, Miller & Associates**Project:** Ford State 001

Sample ID: LCS-50842	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 50842	RunNo: 67011								
Prep Date: 3/3/2020	Analysis Date: 3/4/2020	SeqNo: 2306911 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	10	50.00	0	84.8	70	130			
Surr: DNOP	4.6		5.000		92.2	55.1	146			

Sample ID: MB-50842	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 50842	RunNo: 67011								
Prep Date: 3/3/2020	Analysis Date: 3/4/2020	SeqNo: 2306913 Units: mg/Kg								
Analyte	Result	PQL	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	11		10.00		105	55.1	146			

Sample ID: LCS-50931	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 50931	RunNo: 67107								
Prep Date: 3/6/2020	Analysis Date: 3/9/2020	SeqNo: 2312091 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.3		5.000		85.8	55.1	146			

Sample ID: MB-50931	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 50931	RunNo: 67107								
Prep Date: 3/6/2020	Analysis Date: 3/9/2020	SeqNo: 2312093 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.1		10.00		91.5	55.1	146			

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 Quantitative 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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: 2002D03
10-Mar-20

Client: Souder, Miller & Associates
Project: Ford State 001

Sample ID: mb-50833	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 50833	RunNo: 67050								
Prep Date: 3/3/2020	Analysis Date: 3/6/2020	SeqNo: 2307829		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	840		1000		83.5	66.6	105			

Sample ID: lcs-50833	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 50833	RunNo: 67050								
Prep Date: 3/3/2020	Analysis Date: 3/6/2020	SeqNo: 2307830		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	82.2	80	120			
Surr: BFB	880		1000		87.8	66.6	105			

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 Quantitative 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

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**WO#: **2002D03****10-Mar-20****Client:** Souder, Miller & Associates**Project:** Ford State 001

Sample ID: mb-50833	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 50833	RunNo: 67050								
Prep Date: 3/3/2020	Analysis Date: 3/6/2020	SeqNo: 2307876	Units: mg/Kg							
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	0.92		1.000		92.2	80	120			

Sample ID: LCS-50833	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 50833	RunNo: 67050								
Prep Date: 3/3/2020	Analysis Date: 3/6/2020	SeqNo: 2307877	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	97.3	80	120			
Toluene	1.0	0.050	1.000	0	100	80	120			
Ethylbenzene	1.0	0.050	1.000	0	102	80	120			
Xylenes, Total	3.1	0.10	3.000	0	102	80	120			
Surr: 4-Bromofluorobenzene	0.96		1.000		95.7	80	120			

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 Quantitative 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



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: SMA-CARLSBAD

Work Order Number: 2002D03

RcptNo: 1

Received By: Erin Melendrez

2/29/2020 8:00:00 AM

Completed By: Erin Melendrez

2/29/2020 11:29:12 AM

Reviewed By: EUM

3/2/20

Chain of Custody

1. Is Chain of Custody sufficiently complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
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 VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted? _____

Checked by: DAD 3/2/20

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.8	Good				
2	1.4	Good				

Chain-of-Custody Record

Client: SMA - Carlsbad

Mailing Address: 201 S. Halagueno St.
Carlsbad NM 88220

Phone #: _____

email or Fax#: Ashley Maxwell @ sandermiller

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other _____

☐ EDD (Type) _____

Project Manager:

Ashley Maxwell

Sampler:

56V/BAT

On Ice:

☒ Yes ☐ No# of Coolers: 2Cooler Temp (including CF): 4.1 - 0.3 (CD) = 3.8 (°C)

HEAL No:

2002003

Container Type and #

(1) - 402

Preservative Type

cool

-001

-002

-003

-004

-005

-006

Date

2/28/20

Sample Name

Comp (1) - 1'

Comp (2) - 1'

S2 - 1'

S4 - 1'

S5 - 1'

S8 - 1'

Time

3:40

3:50

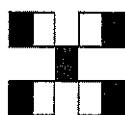
1:35

1:40

2:00

2:38

Remarks:

Received by: Cheryl Taylor Date: 2/28/20 Time: 16:05Relinquished by: Selestean ChavezReceived by: Witt Date: 2/28/20 Time: 19:00Relinquished by: Witt

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

TPH: 8015D (GRO / DRO / MRO) ☒

8081 Pesticides/8082 PCBs ☐

EDB (Method 504.1) ☐

PAHs by 8310 or 8270SIMS ☐

RCRA 8 Metals ☐

Cl⁻, F⁻, Br⁻, NO₃⁻, NO₂⁻, PO₄³⁻, SO₄²⁻ ☒

8260 (VOA) ☐

8270 (Semi-VOA) ☐

Total Coliform (Present/Absent) ☐

BTEX MTBE / TMBs (8021) ☒



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

June 23, 2020

Ashley Maxwell
Souder, Miller & Associates
201 S Halagueno
Carlsbad, NM 88221
TEL: (575) 689-8801
FAX: (505) 327-1496

RE: Ford State #1

OrderNo.: 2006854

Dear Ashley Maxwell:

Hall Environmental Analysis Laboratory received 1 sample(s) on 6/17/2020 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,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2006854

Date Reported: 6/23/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: S5-5'

Project: Ford State #1

Collection Date: 6/15/2020 10:30:00 AM

Lab ID: 2006854-001

Matrix: SOIL

Received Date: 6/17/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	6/21/2020 11:52:40 PM	53209
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	6/19/2020 10:21:15 PM	53169
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	6/19/2020 10:21:15 PM	53169
Surr: DNOP	90.0	55.1-146		%Rec	1	6/19/2020 10:21:15 PM	53169
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/20/2020 1:33:50 AM	53137
Surr: BFB	81.0	66.6-105		%Rec	1	6/20/2020 1:33:50 AM	53137
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	6/20/2020 1:33:50 AM	53137
Toluene	ND	0.048		mg/Kg	1	6/20/2020 1:33:50 AM	53137
Ethylbenzene	ND	0.048		mg/Kg	1	6/20/2020 1:33:50 AM	53137
Xylenes, Total	ND	0.097		mg/Kg	1	6/20/2020 1:33:50 AM	53137
Surr: 4-Bromofluorobenzene	105	80-120		%Rec	1	6/20/2020 1:33:50 AM	53137

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2006854

23-Jun-20

Client: Souder, Miller & Associates

Project: Ford State #1

Sample ID: MB-53209		SampType: mblk		TestCode: EPA Method 300.0: Anions						
Client ID: PBS		Batch ID: 53209		RunNo: 69792						
Prep Date: 6/21/2020		Analysis Date: 6/21/2020		SeqNo: 2423510			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-53209		SampType: lcs		TestCode: EPA Method 300.0: Anions						
Client ID: LCSS		Batch ID: 53209		RunNo: 69792						
Prep Date: 6/21/2020		Analysis Date: 6/21/2020		SeqNo: 2423511			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.3	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 Quantitative 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

Page 2 of 5

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2006854

23-Jun-20

Client: Souder, Miller & Associates**Project:** Ford State #1

Sample ID: LCS-53169	SampType: LCS				TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: LCSS	Batch ID: 53169				RunNo: 69757					
Prep Date: 6/19/2020	Analysis Date: 6/19/2020				SeqNo: 2421977	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	10	50.00	0	102	70	130			
Surr: DNOP	4.4		5.000		88.0	55.1	146			

Sample ID: MB-53169	SampType: MBLK				TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: PBS	Batch ID: 53169				RunNo: 69757					
Prep Date: 6/19/2020	Analysis Date: 6/19/2020				SeqNo: 2421979	Units: mg/Kg				
Analyte	Result	PQL	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	9.6		10.00		95.6	55.1	146			

Sample ID: LCS-53187	SampType: LCS				TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: LCSS	Batch ID: 53187				RunNo: 69768					
Prep Date: 6/19/2020	Analysis Date: 6/20/2020				SeqNo: 2422440	Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	6.5		5.000		131	55.1	146			

Sample ID: MB-53187	SampType: MBLK				TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: PBS	Batch ID: 53187				RunNo: 69768					
Prep Date: 6/19/2020	Analysis Date: 6/20/2020				SeqNo: 2422443	Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	12		10.00		115	55.1	146			

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 Quantitative 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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2006854

23-Jun-20

Client: Souder, Miller & Associates

Project: Ford State #1

Sample ID: lcs-53137	SampType: LCS				TestCode: EPA Method 8015D: Gasoline Range					
Client ID: LCSS	Batch ID: 53137				RunNo: 69769					
Prep Date: 6/17/2020	Analysis Date: 6/19/2020				SeqNo: 2422183	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	90.8	80	120			
Surr: BFB	910		1000		90.9	66.6	105			

Sample ID: mb-53137	SampType: MBLK				TestCode: EPA Method 8015D: Gasoline Range					
Client ID: PBS	Batch ID: 53137				RunNo: 69769					
Prep Date: 6/17/2020	Analysis Date: 6/19/2020				SeqNo: 2422184	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	830		1000		83.2	66.6	105			

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 Quantitative 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

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2006854

23-Jun-20

Client: Souder, Miller & Associates**Project:** Ford State #1

Sample ID: LCS-53137	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: 53137			RunNo: 69769						
Prep Date: 6/17/2020	Analysis Date: 6/19/2020			SeqNo: 2422214		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.025	1.000	0	97.6	80	120			
Toluene	1.0	0.050	1.000	0	101	80	120			
Ethylbenzene	1.0	0.050	1.000	0	99.8	80	120			
Xylenes, Total	3.0	0.10	3.000	0	101	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		107	80	120			

Sample ID: mb-53137	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch ID: 53137			RunNo: 69769						
Prep Date: 6/17/2020	Analysis Date: 6/19/2020			SeqNo: 2422215		Units: mg/Kg				
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	1.1		1.000		107	80	120			

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 Quantitative 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



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Souder, Miller & Associates

Work Order Number: 2006854

RcptNo: 1

Received By: Emily Mocho 6/17/2020 9:10:00 AM

Completed By: Juan Rojas 6/17/2020 9:58:23 AM

Reviewed By: *em 6/17/20*

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
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 VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels? Yes ☒ No ☐
(Note discrepancies on chain of custody)
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met? Yes ☒ No ☐
(If no, notify customer for authorization.)

of preserved bottles checked for pH: 50
6/17/20
(<2 or >12 unless noted)
Adjusted? _____
Checked by: _____

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____ Date: _____
By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding: _____
Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.4	Good				

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Chain-of-Custody Record									
Client: SMA		Turn-Around Time: 5 day <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush							
Mailing Address:		Project Name: Ford State #1							
Phone #:		Project Manager: Ashley Maxwell							
email or Fax#: Sebastian.Orozco@Sondermiller.com		Sampler: SD							
QA/QC Package:		On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No							
<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Level 4 (Full Validation)		# of Coolers: 1							
Accreditation: <input type="checkbox"/> Az Compliance		Cooler Temp (including CF): 3.4 ± 0 = 3.4 (°C)							
<input type="checkbox"/> NELAC <input type="checkbox"/> Other		Container Type and #		Preservative Type		HEAL No.			
<input type="checkbox"/> EDD (Type)		Date		Time		Matrix		Sample Name	
		6/15/20		10:30		Soil		SS-51	
Date:		Time:		Relinquished by:		Received by:		Date	
6/16/20		11:00		Sebastian Orozco		Ashley Maxwell		6/16/20 13:00	
Date:		Time:		Relinquished by:		Received by:		Date	
6/16/20		1900		Sebastian Orozco		Ashley Maxwell		6/17/20 9:10	

If necessary, samples submitted to Hal-Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

QUESTIONS

Action 480264

QUESTIONS

Operator: JUDAH OIL LLC PO Box 568 Artesia, NM 88211	OGRID: 245872
	Action Number: 480264
	Action Type: [C-141] Revegetation Report C-141 (C-141-v-Revegetation)

QUESTIONS

Prerequisites	
Incident ID (n#)	nKMW1106735785
Incident Name	NKMW1106735785 FORD STATE #001 @ 30-015-22512
Incident Type	Oil Release
Incident Status	Re-vegetation Report Received
Incident Well	[30-015-22512] FORD STATE #001

Location of Release Source

Please answer all the questions in this group.

Site Name	FORD STATE #001
Date Release Discovered	02/04/2011
Surface Owner	State

Incident Details

Please answer all the questions in this group.

Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Cause: Human Error Flow Line - Production Crude Oil Released: 4 BBL Recovered: 0 BBL Lost: 4 BBL.
Produced Water Released (bbls) Details	Cause: Human Error Flow Line - Production Produced Water Released: 15 BBL Recovered: 0 BBL Lost: 15 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 480264

QUESTIONS (continued)

Operator: JUDAH OIL LLC PO Box 568 Artesia, NM 88211	OGRID: 245872
	Action Number: 480264
	Action Type: [C-141] Revegetation Report C-141 (C-141-v-Revegetation)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Ashlie Quinones Title: office manager Email: ashlie@judahoil.com Date: 07/02/2025
--	--

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QUESTIONS, Page 3

Action 480264

QUESTIONS (continued)

Operator: JUDAH OIL LLC PO Box 568 Artesia, NM 88211	OGRID: 245872
	Action Number: 480264
	Action Type: [C-141] Revegetation Report C-141 (C-141-v-Revegetation)

QUESTIONS

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

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	390
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	8590
GRO+DRO (EPA SW-846 Method 8015M)	5800
BTEX (EPA SW-846 Method 8021B or 8260B)	16
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	03/17/2011
On what date will (or did) the final sampling or liner inspection occur	02/17/2025
On what date will (or was) the remediation complete(d)	07/29/2020
What is the estimated surface area (in square feet) that will be reclaimed	4500
What is the estimated volume (in cubic yards) that will be reclaimed	556
What is the estimated surface area (in square feet) that will be remediated	4500
What is the estimated volume (in cubic yards) that will be remediated	556
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 480264

QUESTIONS (continued)

Operator: JUDAH OIL LLC PO Box 568 Artesia, NM 88211	OGRID: 245872
	Action Number: 480264
	Action Type: [C-141] Revegetation Report C-141 (C-141-v-Revegetation)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fEEM0112342028 LEA LAND LANDFILL
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	No
OR is the off-site disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Ashlie Quinones Title: office manager Email: ashlie@judahoil.com Date: 07/02/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 480264

QUESTIONS (continued)

Operator: JUDAH OIL LLC PO Box 568 Artesia, NM 88211	OGRID: 245872
	Action Number: 480264
	Action Type: [C-141] Revegetation Report C-141 (C-141-v-Revegetation)

QUESTIONS

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

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 6

Action 480264

QUESTIONS (continued)

Operator: JUDAH OIL LLC PO Box 568 Artesia, NM 88211	OGRID: 245872
	Action Number: 480264
	Action Type: [C-141] Revegetation Report C-141 (C-141-v-Revegetation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	431817
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/17/2025
What was the (estimated) number of samples that were to be gathered	1
What was the sampling surface area in square feet	200

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	4500
What was the total volume (cubic yards) remediated	556
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	4500
What was the total volume (in cubic yards) reclaimed	556
Summarize any additional remediation activities not included by answers (above)	confirmation sampling of 9 samples were done on March 7, 2024. Results of ND were obtained from all samples.
<i>The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Ashlie Quinones Title: office manager Email: ashlie@judahoil.com Date: 07/02/2025

Sante Fe Main Office
Phone: (505) 476-3441

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QUESTIONS, Page 7

Action 480264

QUESTIONS (continued)

Operator: JUDAH OIL LLC PO Box 568 Artesia, NM 88211	OGRID: 245872
	Action Number: 480264
	Action Type: [C-141] Revegetation Report C-141 (C-141-v-Revegetation)

QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	4500
What was the total volume of replacement material (in cubic yards) for this site	556
<i>Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.</i>	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeded commence(d)	07/28/2020
Summarize any additional reclamation activities not included by answers (above)	Judah Oil, LLC respectfully request a variance under 19.15.29.14.B NMAC. Pictures are attached to report of current vegetative state.
<i>The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeded plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.</i>	
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I hereby agree and sign off to the above statement	Name: Ashlie Quinones Title: office manager Email: ashlie@judahoil.com Date: 07/02/2025

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QUESTIONS, Page 8

Action 480264

QUESTIONS (continued)

Operator: JUDAH OIL LLC PO Box 568 Artesia, NM 88211	OGRID: 245872
	Action Number: 480264
	Action Type: [C-141] Revegetation Report C-141 (C-141-v-Revegetation)

QUESTIONS

Revegetation Report	
<i>Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.</i>	
Requesting a restoration complete approval with this submission	Yes
What was the total revegetation surface area (in square feet) for this site	4500
<i>Per Paragraph (2) of Subsection D of 19.15.29.13 NMAC the responsible party must reseed disturbed area in the first favorable growing season following closure of the site.</i>	
On what date did the reseeded commence	07/29/2020
On what date was the vegetative cover inspected	06/09/2025
What was the life form ratio compared to pre-disturbance levels	87.5
What was the total percent plant cover compared to pre-disturbance levels	82.4
Summarize any additional revegetation activities not included by answers (above)	The subject area vegetative coverage is 117.82% of the average reference cover, which is better than the pre-disturbance levels.
<i>The responsible party must attach information demonstrating they have complied with all applicable re-vegetation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any life form ratio and percent plant cover sampling diagrams or other relevant field notes, photographs of re-vegetated areas, and a narrative of the re-vegetation activities. Refer to 19.15.29.13 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Ashlie Quinones Title: office manager Email: ashlie@judahoil.com Date: 07/02/2025
<i>Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.</i>	

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CONDITIONS

Action 480264

CONDITIONS

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	Action Number: 480264
	Action Type: [C-141] Revegetation Report C-141 (C-141-v-Revegetation)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	The revegetation report has been approved pursuant to 19.15.29.13 E. NMAC. The acceptance of this 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; or if the location fails to revegetate properly. In addition, OCD approval does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.	10/1/2025