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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	NAPP2113941916
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party XTO Energy	OGRID 5380
Contact Name Kyle Littrell	Contact Telephone 432-221-7331
Contact email kyle.littrell@exxonmobil.com	Incident # *(assigned by OCD)*
Contact mailing address 522 W. Mermod, Carlsbad, NM 88220	

Location of Release Source

Latitude 32.36264 Longitude -103.83853
(NAD 83 in decimal degrees to 5 decimal places)

Site Name James Ranch Unit DI 2	Site Type CTB
Date Release Discovered 5/17/2021	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
K	25	22S	30E	Eddy

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (*Name:* _____)

Nature and Volume of Release

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

☒ Crude Oil	Volume Released (bbls) 4.29	Volume Recovered (bbls) 0.00
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release	A sand blockage caused fluid to build up and release from flare in a small fire that extinguished itself on the ground. A third-party contractor has been retained for remediation activities.	

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2113941916
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? A release that results in the fire or is the result of a fire.

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
Yes, by Garrett Green to 'Mike Bratcher'; 'Victoria Venegas'; 'Rob Hamlet'; 'emily.hernandez@state.nm.us'; 'camorgan@blm.gov'; 'blm_nm_cfo_spill@blm.gov' on Tuesday, May 18, 2021 8:13 AM via email.

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.
- ☒ The impacted area has been secured to protect human health and the environment.
- ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- ☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:
NA

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

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

Printed Name: Kyle Littrell
Title: Environmental Manager
Signature:
Date: 5-19-21
email: kyle.littrell@exxonmobil.com
Telephone: 432-221-7331

OCD Only

Received by: Ramona Marcus
Date: 5/19/2021

NAPP2113941916

Location:	**JRU DI 2 CTB**	
Spill Date:	**5/17/2021**	
Area 1		
Approximate Area =	16066.00	sq. ft.
Average Saturation (or depth) of spill =	0.12	inches
Average Porosity Factor =	0.15	
VOLUME OF LEAK		
Total Crude Oil =	4.29	bbls
Total Produced Water =	0.00	bbls
TOTAL VOLUME OF LEAK		
Total Crude Oil =	**4.29**	**bbls**
Total Produced Water =	**0.00**	**bbls**
TOTAL VOLUME RECOVERED		
Total Crude Oil =	**0.00**	**bbls**
Total Produced Water =	**0.00**	**bbls**

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 28801

CONDITIONS OF APPROVAL

Operator:	OGRID:	Action Number:	Action Type:
XTO ENERGY, INC 6401 Holiday Hill Road Building #5 Midland, TX79707	5380	28801	C-141

OCD Reviewer	Condition
rmarcus	None

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2113941916
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

☒ 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.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2113941916
District RP	
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: Adrian Baker Title: SSHE Coordinator

Signature: Adrian Baker Date: 8/10/2021

email: Adrian.Baker@exxonmobil.com Telephone: (432)-236-3808

OCD Only

Received by: Date:

Incident ID	NAPP2113941916
District RP	
Facility ID	
Application ID	

Closure

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

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

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

☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

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

☒ Description of remediation activities

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

Printed Name: Adrian Baker Title: SSHE Coordinator

Signature: Adrian Baker Date: 8/10/2021

email: Adrian.Baker@exxonmobil.com Telephone: 432-236-3808

OCD Only

Received by: Date:

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

Closure Approved by: Date:

Printed Name: Title:

Incident ID	NAPP2113941916
District RP	
Facility ID	
Application ID	

Closure

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

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

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

☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

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

☒ Description of remediation activities

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

Printed Name: Adrian Baker Title: SSHE Coordinator

Signature: Adrian Baker Date: 8/10/2021

email: Adrian.Baker@exxonmobil.com Telephone: 432-236-3808

OCD Only

Received by: Robert Hamlet Date: 11/19/2021

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

Closure Approved by: Robert Hamlet Date: 11/19/2021

Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

WSP USA
3300 North "A" Street
Building 1, Unit 222
Midland, Texas 79705
432.704.5178

August 10, 2021

District II
New Mexico Oil Conservation Division
811 South First Street
Artesia, New Mexico 88210

RE: Closure Request
James Ranch Unit DI 2
Incident Number nAPP2113941916
Eddy County, New Mexico

To Whom It May Concern:

WSP USA Inc. (WSP) on behalf of XTO Energy, Inc. (XTO), presents the following Closure Request detailing site assessment and soil sampling activities at the James Ranch Unit DI 2 (Site) in Unit K, Section 25, Township 22 South, Range 30 East, in Eddy County, New Mexico (Figure 1). The purpose of the site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following a release of crude oil at the Site. Based on field observations, field screening activities, and soil sample analytical results, XTO is submitting this Closure Request and requesting no further action (NFA) for Incident Number nAPP2113941916.

RELEASE BACKGROUND

On May 17, 2021, a sand blockage caused fluid to build up and release from the flare. The fluid ignited and extinguished itself after reaching the ground. Approximately 4.29 barrels (bbls) of crude oil were released onto the caliche well pad and consumed by the fire. No fluids were recovered. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) via email on May 18, 2021 and submitted a Release Notification and Corrective Action Form C-141 (Form C-141) on May 19, 2021. The release was assigned Incident Number nAPP2113941916.

SITE CHARACTERIZATION

WSP characterized the Site according to Table 1, *Closure Criteria for Soils Impacted by a Release*, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is United States Geological Society (USGS) well 322215103502701, located approximately 0.59 miles northwest of the Site. The groundwater well has a reported depth to groundwater of 419 feet bgs and an unknown total depth. Ground surface elevation at the groundwater well location is 3,360 feet above mean sea level (amsl), which is approximately 20 feet higher in elevation than the Site. There are four additional

groundwater wells within a 2.5-mile radius of the Site that indicate regional depth to groundwater is greater than 100 feet bgs. The referenced well records are included in Attachment 1.

The closest continuously flowing or significant watercourse to the Site is an intermittent riverine, located approximately 5,107 feet northeast of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

CLOSURE CRITERIA

Based on the results of the Site Characterization, the following NMOCD Table 1 Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH)-gasoline range organics (GRO) and TPH-diesel range organics (DRO): 1,000 mg/kg
- TPH: 2,500 mg/kg
- Chloride: 20,000 mg/kg

SITE ASSESSMENT AND SOIL SAMPLING ACTIVITIES

On July 7, 2021, WSP personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. Eleven potholes (PH01 through PH11) were advanced using a track-mounted backhoe to a depth of approximately 2 feet bgs within the release extent. Delineation soil samples were collected from each pothole from depths of 1-foot and 2 feet bgs. Soil from the potholes was field screened for volatile aromatic hydrocarbons and chloride utilizing a calibrated photoionization detector (PID) and Hach® chloride QuanTab® test strips, respectively. Field screening results and observations for each pothole were logged on lithologic/soil sampling logs, which are included in Attachment 2. The release extent and delineation soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. All potholes were backfilled with soil removed. Photographic documentation was conducted during the site visit. Photographs are included in Attachment 3.

The delineation soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil

samples were transported at or below 4 degrees Celsius (°C) under strict chain-of-custody (COC) procedures to Eurofins Laboratories (Eurofins) in Carlsbad, New Mexico, for analysis of BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

ANALYTICAL RESULTS

Laboratory analytical results for delineation pothole soil samples PH01/PH01A through PH11/PH11A, collected at 1-foot and 2 feet bgs, indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria. The laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included in Attachment 4.

CLOSURE REQUEST

Site assessment activities were conducted at the Site to assess for the presence or absence of impacted soil resulting from the May 17, 2021 crude oil fire. Laboratory analytical results for the soil samples collected within the release extent, indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Site Closure Criteria and compliant with the most stringent Table 1 Closure Criteria. Based on the soil sample analytical results, no impacted soil was identified, and no further remediation was required. As such, XTO respectfully requests no further action for Incident Number nAPP2113941916.

If you have any questions or comments, please do not hesitate to contact Ms. Ashley Ager at (970) 385-1096.

Sincerely,

WSP USA Inc.

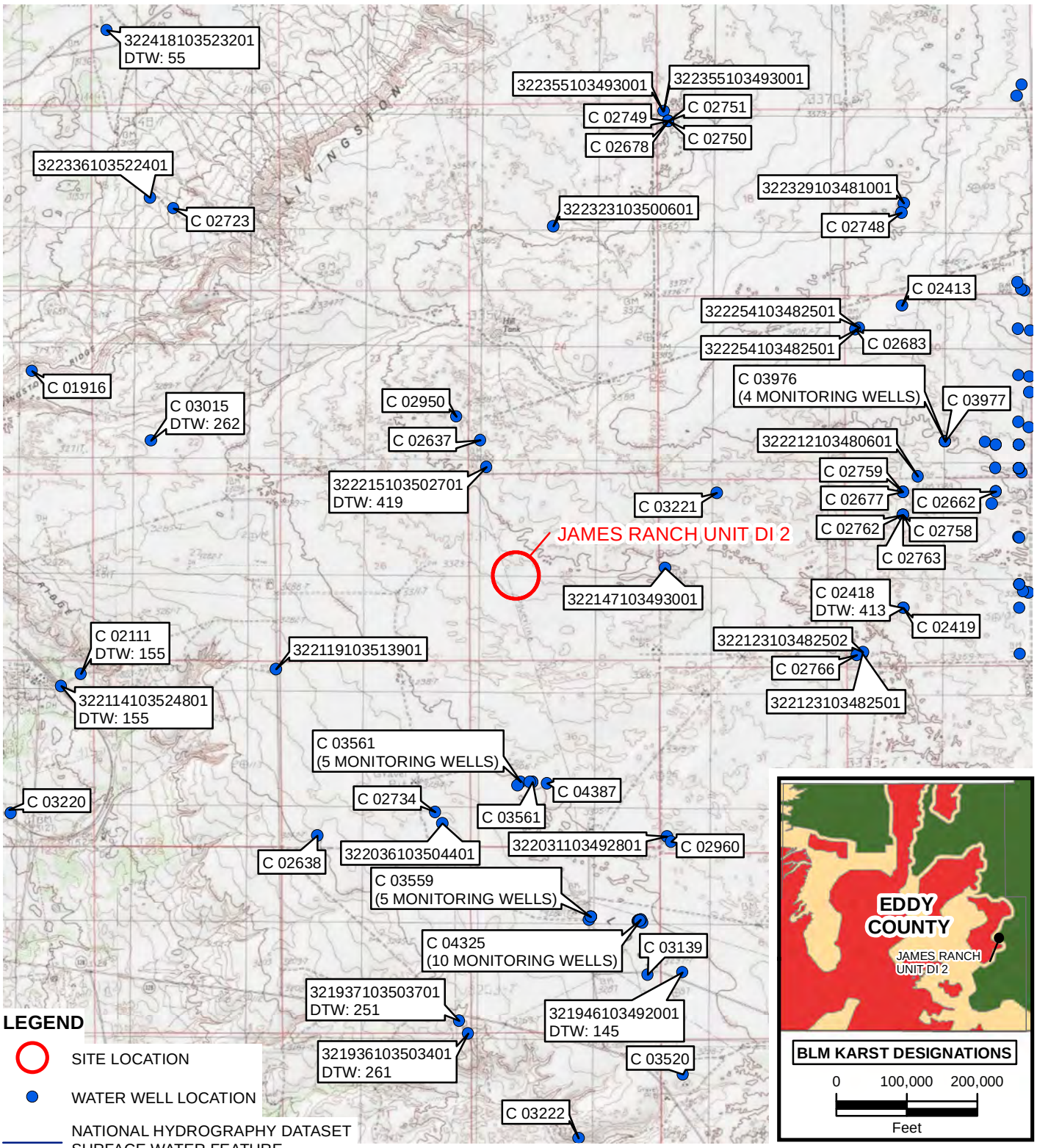
Kaleb Henry
Assistant Consultant, Geologist

Ashley L. Ager, P.G.
Managing Director, Geologist

cc: Adrian Baker, XTO
Bureau of Land Management

Attachments:

FIGURES



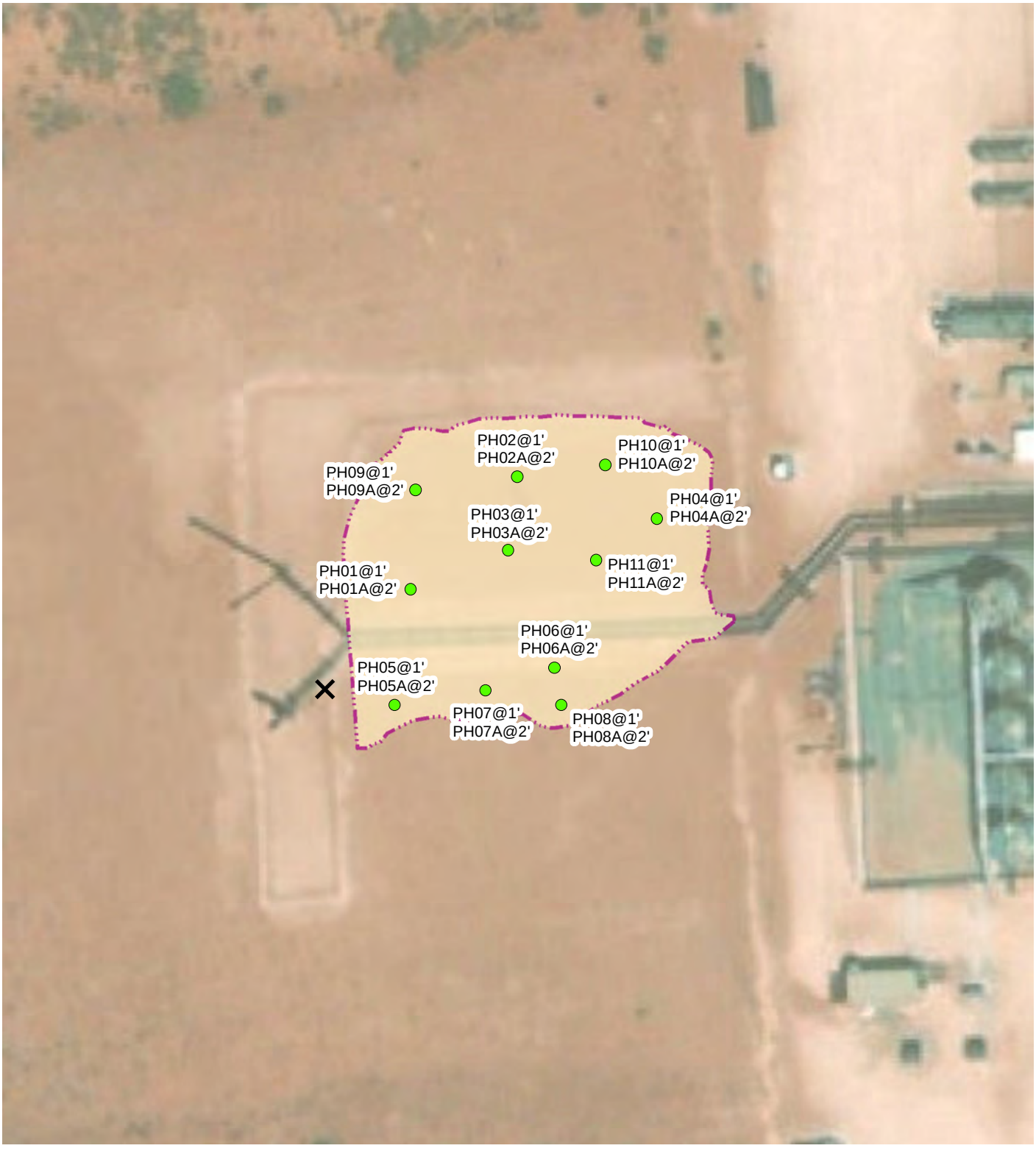
LEGEND

- SITE LOCATION
- WATER WELL LOCATION
- NATIONAL HYDROGRAPHY DATASET SURFACE WATER FEATURE
- NATIONAL WETLANDS INVENTORY SURFACE WATER FEATURE
- LOW KARST
- MEDIUM KARST
- HIGH KARST

DTW: DEPTH TO WATER IN FEET
BLM: BUREAU OF LAND MANAGEMENT
TD: TOTAL DEPTH IN FEET
NOTE: INCIDENT NUMBER nAPP2113941916

FIGURE 1
SITE LOCATION MAP
JAMES RANCH UNIT DI 2
UNIT K SEC 25 T22S R30E
EDDY COUNTY, NEW MEXICO
XTO ENERGY, INC

P:\XTO Energy\GIS\MXD\31403236.011.0129_JAMES RANCH UNIT DI 2\31403236.011.0129_FIG01_SL_RECEPTOR_2021.mxd



LEGEND

IMAGE COURTESY OF ESRI

- RELEASE LOCATION
- DELINEATION SOIL SAMPLE IN COMPLIANCE WITH APPLICABLE CLOSURE CRITERIA
- RELEASE EXTENT

0 50 100

Feet

N

NOTE: INCIDENT NUMBER nAPP2113941916
SAMPLE ID@DEPTH BELOW GROUND SURFACE (FEET)

FIGURE 2
DELINEATION SOIL SAMPLE LOCATIONS
JAMES RANCH UNIT DI 2
UNIT K SEC 25 T22S R30E
EDDY COUNTY, NEW MEXICO
XTO ENERGY, INC.

P:\XTO Energy\GIS\MXD\31403236.011.0129_JAMES RANCH UNIT DI 2\31403236.011_FIG02_DELINEATION_2021.mxd

TABLES

Table 1

Soil Analytical Results
James Ranch Unit DI 2
Incident Number nAPP2113941916
Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	TPH-ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Delineation Samples										
PH01	07/07/2021	1	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	5.12
PH01A	07/07/2021	2	<0.00200	<0.00400	<49.8	<49.8	<49.8	<49.8	<49.8	11.70
PH02	07/07/2021	1	<0.00199	<0.00398	61.2	<50.0	<50.0	<50.0	61.2	6.14
PH02A	07/07/2021	2	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	<50.0	5.07
PH03	07/07/2021	1	<0.00198	<0.00396	<49.8	<49.8	<49.8	<49.8	<49.8	5.62
PH03A	07/07/2021	2	<0.00202	<0.00403	<49.7	<49.7	<49.7	<49.7	<49.7	8.14
PH04	07/07/2021	1	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	8.48
PH04A	07/07/2021	2	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	7.08
PH05	07/07/2021	1	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	6.47
PH05A	07/07/2021	2	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	<49.9	6.74
PH06	07/07/2021	1	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	5.62
PH06A	07/07/2021	2	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	6.72
PH07	07/07/2021	1	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	5.97
PH07A	07/07/2021	2	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	5.93
PH08	07/07/2021	1	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	<4.98
PH08A	07/07/2021	2	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	<50.0	<5.05
PH09	07/07/2021	1	<0.00199	<0.00398	63.7	<49.9	<49.9	<49.9	63.7	<5.02
PH09A	07/07/2021	2	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	<50.0	<4.99
PH10	07/07/2021	1	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	<50.0	<4.99
PH10A	07/07/2021	2	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	<5.01

Table 1

Soil Analytical Results
James Ranch Unit DI 2 CTB
Incident Number nAPP2113941916
Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	TPH-ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
PH11	07/07/2021	1	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	1.07
PH11A	07/07/2021	2	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	11.5

ft - feet/foot
mg/kg - milligrams per kilograms
BTEX - benzene, toluene, ethylbenzene, and total xylenes
TPH - total petroleum hydrocarbons
DRO - diesel range organics
GRO - gasoline range organics
ORO - motor oil range organics
NMOCD - New Mexico Oil Conservation Division
NMAC - New Mexico Administrative Code
< - indicates result is less than the stated laboratory method practical quantitation limit
NE - Not Established
BOLD - indicates results exceed the higher of the background sample result or applicable regulatory standard

ATTACHMENT 1: REFERENCED WELL RECORDS

New Mexico Office of the State Engineer
Water Right Summary

WR File Number: C 03015 **Subbasin:** CUB **Cross Reference:** -

Primary Purpose: MON MONITORING WELL

Primary Status: PMT PERMIT

Total Acres: **Subfile:** - **Header:** -

Total Diversion: 0 **Cause/Case:** -

Owner: U.S. DEPT OF ENERGY - WIPP

Contact: HAROLD JOHNSON

Documents on File

Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/ To	Acres	Diversion	Consumptive
288525	EXPL	2003-11-25	PMT	LOG	C 03015 MONITORING WELL	T	0	0	

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Well Tag	Source	Q 64	Q16	Q4	Sec	Tws	Rng	X	Y	Other Location Desc
C 03015		Artesian	1	4	3	22	22S	30E	606099	3582353*	

***An (*) after northing value indicates UTM location was derived from PLSS - see Help**

Source

Acres	Diversion	CU	Use	Priority	Source	Description
0	0		MON		GW	

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	Twn	Rng	X	Y
	C 03015	1	4	3	22	22S	30E	606099	3582353*

Driller License: 331 **Driller Company:** SBQ2, LLC DBA STEWART BROTHERS DRILLING CO.

Driller Name:

Drill Start Date: 01/21/2004 **Drill Finish Date:** 01/25/2004 **Plug Date:**

Log File Date: 03/04/2004 **PCW Rcv Date:** **Source:** Artesian

Pump Type: **Pipe Discharge Size:** **Estimated Yield:**

Casing Size: 6.00 **Depth Well:** 1316 feet **Depth Water:** 262 feet

Water Bearing Stratifications:	Top	Bottom	Description
	362	385	Other/Unknown

Casing Perforations:	Top	Bottom
	261	386

***UTM location was derived from PLSS - see Help**

Click to hideNews Bulletins

- Explore the **NEW** USGS National Water Dashboard to access real-time data from over 13,500 stations nationwide.
- Full News

USGS 322215103502701 22S.30E.24.3334 P-14

Available data for this site SUMMARY OF ALL AVAILABLE DATA GO

Well Site

DESCRIPTION:

Latitude 32°22'15", Longitude 103°50'27" NAD27
Eddy County, New Mexico , Hydrologic Unit 13060011
Well depth: not determined.
Land surface altitude: 3,360 feet above NGVD29.
Well completed in "Other aquifers" (N9999OTHER) national aquifer.

AVAILABLE DATA:

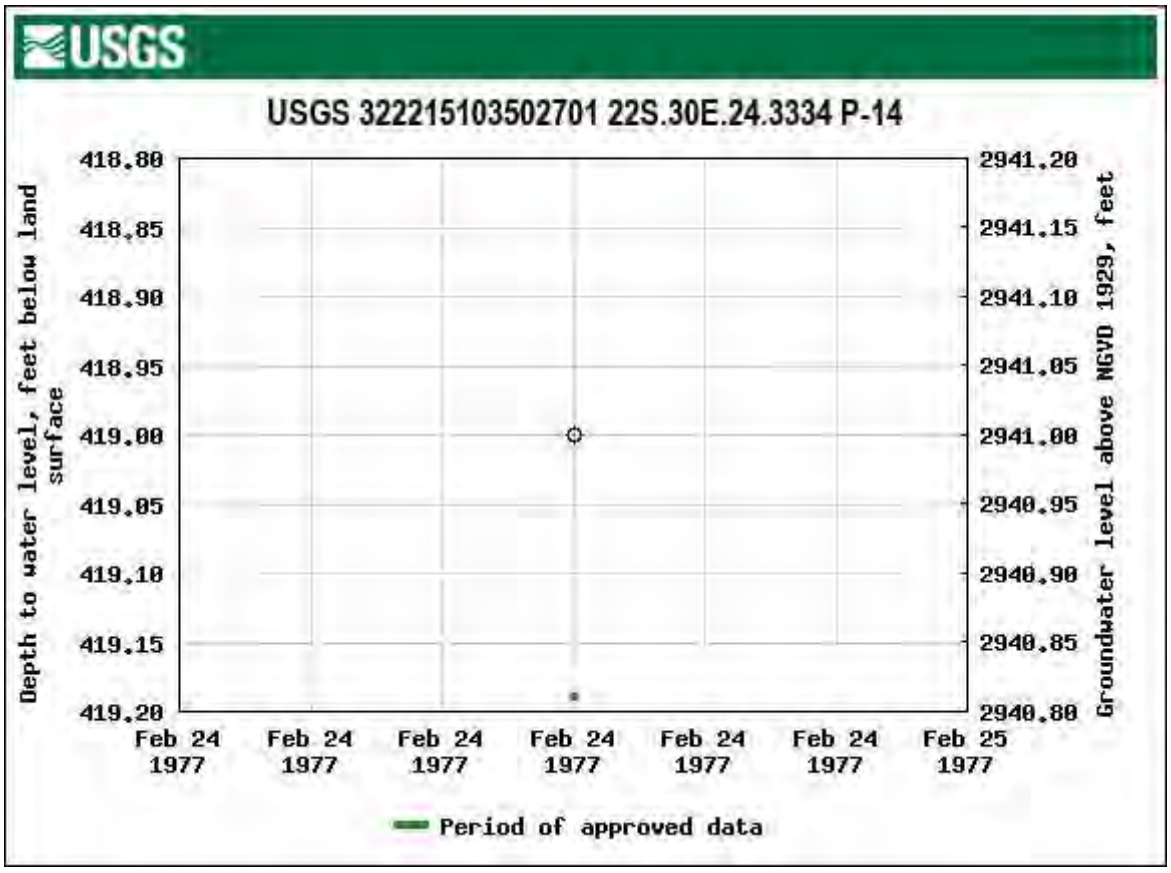
Data Type	Begin Date	End Date	Count
Field groundwater-level measurements	1977-02-24	1977-02-24	1
Field/Lab water-quality samples	1977-02-24	1977-03-14	2
Revisions	Unavailable (site:0) (timeseries:0)		

OPERATION:

Record for this site is maintained by the USGS New Mexico Water Science Center
Email questions about this site to New Mexico Water Science Center Water-Data Inquiries

Title: NWIS Site Information for USA: Site Inventory
URL: https://waterdata.usgs.gov/nwis/inventory?agency_code=USGS&site_no=322215103502701

Page Contact Information: New Mexico Water Data Support Team
Page Last Modified: 2021-06-08 11:27:20 EDT
0.28 0.26 caww01


USGS
USGS 322215103502701 22S.30E.24.3334 P-14
Depth to water level, feet below land surface
418.80
418.85
418.90
418.95
419.00
419.05
419.10
419.15
419.20
Groundwater level above NGVD 1929, feet
2941.20
2941.15
2941.10
2941.05
2941.00
2940.95
2940.90
2940.85
2940.80
Feb 24 1977
Feb 24 1977
Feb 24 1977
Feb 24 1977
Feb 24 1977
Feb 24 1977
Feb 25 1977
Period of approved data

ATTACHMENT 2: LITHOLOGIC/SAMPLING LOG

WSP USA

508 West Stevens Street
Carlsbad, New Mexico 88220

BH or PH Name: PH01	Date: 07/07/2021
Site Name: JRU DI2 CTB	
RP or Incident Number: nAPP2113941916	
WSP Job Number: 31403236.011.0129	

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: FS	Method: Backhoe		
Lat/Long: 32.362756, -103.838492	Field Screening: Hach chloride strips, PID	Hole Diameter: NA	Total Depth: 2 feet bgs

Comments: All chloride field screenings include a 40% correction factor
M-moist; D-dry; Y-yes; N-no

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						0	SP	0-2' SAND, dry, brown, poorly graded, fine-very fine grain, no stain no odor
D	<179	1.3	N	PH01	1	1		
D	<179	0.5	N	PH01A	2	2	CCHE	2' CALICHE, dry, tan, well-moderate consolidation, no stain, no odor

TD @ 2 feet bgs

WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220	BH or PH Name: PH02	Date: 07/07/2021
	Site Name: JRU DI2 CTB	
	RP or Incident Number: nAPP2113941916	
	WSP Job Number: 31403236.011.0129	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: FS	Method: Backhoe
Lat/Long: 32.362865, -103.838369	Field Screening: Hach chloride strips, PID	Hole Diameter: NA	Total Depth: 2 feet bgs

Comments: All chloride field screenings include a 40% correction factor
M-moist; D-dry; Y-yes; N-no

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						0	SP	0-2' SAND, dry, brown, poorly graded, fine-very fine grain, no stain no odor
D	<179	0.1	N	PH02	1	1		
D	<179	0.3	N	PH02A	2	2	CCHE	2' CALICHE, dry, tan, well-moderate consolidation, no stain, no odor

TD @ 2 feet bgs

WSP USA

508 West Stevens Street
Carlsbad, New Mexico 88220

BH or PH Name: PH03	Date: 07/07/2021
Site Name: JRU DI2 CTB	
RP or Incident Number: nAPP2113941916	
WSP Job Number: 31403236.011.0129	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: FS / Method: Backhoe
Lat/Long: 32.362786, -103.838326	Field Screening: Hach chloride strips, PID / Hole Diameter: NA / Total Depth: 2 feet bgs

Comments: All chloride field screenings include a 40% correction factor
M-moist; D-dry; Y-yes; N-no

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						0	SP	0-2' SAND, dry, brown, poorly graded, fine-very fine grain, no stain no odor
D	<179	0.2	N	PH03	1	1		
D	<179	0.1	N	PH03A	2	2	CCHE	2' CALICHE, dry, tan, well-moderate consolidation, no stain, no odor

TD @ 2 feet bgs

WSP USA

508 West Stevens Street
Carlsbad, New Mexico 88220

BH or PH Name: PH04	Date: 07/07/2021
Site Name: JRU DI2 CTB	
RP or Incident Number: nAPP2113941916	
WSP Job Number: 31403236.011.0129	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: FS / Method: Backhoe
Lat/Long: 32.362824, -103.838209	Field Screening: Hach chloride strips, PID / Hole Diameter: NA / Total Depth: 2 feet bgs

Comments: All chloride field screenings include a 40% correction factor
M-moist; D-dry; Y-yes; N-no

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						0	SP	0-2' SAND, dry, brown, poorly graded, fine-very fine grain, no stain no odor
D	<179	0.4	N	PH04	1	1		
D	<179	0.3	N	PH04A	2	2	CCHE	2' CALICHE, dry, tan, well-moderate consolidation, no stain, no odor

TD @ 2 feet bgs

WSP USA

508 West Stevens Street
Carlsbad, New Mexico 88220

BH or PH Name: PH05	Date: 07/07/2021
Site Name: JRU DI2 CTB	
RP or Incident Number: nAPP2113941916	
WSP Job Number: 31403236.011.0129	

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: FS	Method: Backhoe		
Lat/Long: 32.362644, -103.838501	Field Screening: Hach chloride strips, PID	Hole Diameter: NA	Total Depth: 2 feet bgs

Comments: All chloride field screenings include a 40% correction factor
M-moist; D-dry; Y-yes; N-no

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						0	SP	0-2' SAND, dry, brown, poorly graded, fine-very fine grain, no stain no odor
D	<179	0.0	N	PH05	1	1		
D	<179	0.1	N	PH05A	2	2	CCHE	2' CALICHE, dry, tan, well-moderate consolidation, no stain, no odor

TD @ 2 feet bgs

WSP USA

508 West Stevens Street
Carlsbad, New Mexico 88220

BH or PH Name: PH06	Date: 07/07/2021
Site Name: JRU DI2 CTB	
RP or Incident Number: nAPP2113941916	
WSP Job Number: 31403236.011.0129	

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: FS	Method: Backhoe		
Lat/Long: 32.362677, -103.838304	Field Screening: Hach chloride strips, PID	Hole Diameter: NA	Total Depth: 2 feet bgs

Comments: All chloride field screenings include a 40% correction factor
M-moist; D-dry; Y-yes; N-no

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						0	SP	0-2' SAND, dry, brown, poorly graded, fine-very fine grain, no stain no odor
D	<179	0.3	N	PH06	1	1		
D	<179	0.2	N	PH06A	2	2	CCHE	2' CALICHE, dry, tan, well-moderate consolidation, no stain, no odor

TD @ 2 feet bgs

WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220	BH or PH Name: PH07	Date: 07/07/2021
	Site Name: JRU DI2 CTB	
	RP or Incident Number: nAPP2113941916	
	WSP Job Number: 31403236.011.0129	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: FS	Method: Backhoe
Lat/Long: 32.362659, -103.838385	Field Screening: Hach chloride strips, PID	Hole Diameter: NA	Total Depth: 2 feet bgs

Comments: All chloride field screenings include a 40% correction factor
M-moist; D-dry; Y-yes; N-no

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						0	SP	0-2' SAND, dry, brown, poorly graded, fine-very fine grain, no stain no odor
D	<179	0.8	N	PH07	1	1		
D	<179	1.3	N	PH07A	2	2		2' some caliche gravel

TD @2 feet bgs

WSP USA
508 West Stevens Street
Carlsbad, New Mexico 88220

BH or PH Name: PH08	Date: 07/07/2021
Site Name: JRU DI2 CTB	
RP or Incident Number: nAPP2113941916	
WSP Job Number: 31403236.011.0129	

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: FS	Method: Backhoe		
Lat/Long: 32.362643, -103.838320	Field Screening: Hach chloride strips, PID	Hole Diameter: NA	Total Depth: 2 feet bgs

Comments: All chloride field screenings include a 40% correction factor
M-moist; D-dry; Y-yes; N-no

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						0	SP	0-2' SAND, dry, brown, poorly graded, fine-very fine grain, no stain no odor
D	<179	0.8	N	PH08	1	1		
D	<179	0.1	N	PH08A	2	2	CCHE	2' CALICHE, dry, tan, well-moderate consolidation, no stain, no odor

TD @ 2 feet bgs

WSP USA

508 West Stevens Street
Carlsbad, New Mexico 88220

BH or PH Name: PH09	Date: 07/07/2021
Site Name: JRU DI2 CTB	
RP or Incident Number: nAPP2113941916	
WSP Job Number: 31403236.011.0129	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: FS / Method: Backhoe
Lat/Long: 32.362851, -103.838465	Field Screening: Hach chloride strips, PID / Hole Diameter: NA / Total Depth: 2 feet bgs

Comments: All chloride field screenings include a 40% correction factor
M-moist; D-dry; Y-yes; N-no

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						0	SP	0-2' SAND, dry, brown, poorly graded, fine-very fine grain, no stain no odor
D	<179	0.9	N	PH09	1	1		
D	<179	0.1	N	PH09A	2	2	CCHE	2' CALICHE, dry, tan, well-moderate consolidation, no stain, no odor

TD @ 2 feet bgs

WSP USA

508 West Stevens Street
Carlsbad, New Mexico 88220

BH or PH Name: PH10	Date: 07/07/2021
Site Name: JRU DI2 CTB	
RP or Incident Number: nAPP2113941916	
WSP Job Number: 31403236.011.0129	

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: FS	Method: Backhoe		
Lat/Long: 32.362876, -103.838268	Field Screening: Hach chloride strips, PID	Hole Diameter: NA	Total Depth: 2 feet bgs

Comments: All chloride field screenings include a 40% correction factor
M-moist; D-dry; Y-yes; N-no

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						0	SP	0-2' SAND, dry, brown, poorly graded, fine-very fine grain, no stain no odor
D	<179	1.2	N	PH10	1	1		
D	<179	0.1	N	PH10A	2	2	CCHE	2' CALICHE, dry, tan, well-moderate consolidation, no stain, no odor

TD @ 2 feet bgs

WSP USA
508 West Stevens Street
Carlsbad, New Mexico 88220

BH or PH Name: PH11	Date: 07/07/2021
Site Name: JRU DI2 CTB	
RP or Incident Number: nAPP2113941916	
WSP Job Number: 31403236.011.0129	

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: FS	Method: Backhoe		
Lat/Long: 32.362771, -103.838242	Field Screening: Hach chloride strips, PID	Hole Diameter: NA	Total Depth: 2 feet bgs

Comments: All chloride field screenings include a 40% correction factor
M-moist; D-dry; Y-yes; N-no

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						0	SP	0-2' SAND, dry, brown, poorly graded, fine-very fine grain, no stain no odor
D	<179	0.0	N	PH11	1	1		
D	<179	0.0	N	PH11A	2	2		2' abundant caliche gravel

TD @2 feet bgs

ATTACHMENT 3: PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG		
XTO Energy, Inc.	James Ranch Unit DI 2 Eddy County, New Mexico	nAPP2113941916

Photo No.	Date
1	July 7, 2021

Southwest facing view of delineation activities.

Photo No.	Date
2	July 7, 2021

Southwest facing view of release extent during delineation activites.

ATTACHMENT 4: LABORATORY ANALYTICAL RESULTS

eurofins | Environment Testing America

ANALYTICAL REPORT

Job Number: 890-915-1

SDG Number: Eddy County

Job Description: JRU D12 CTB

For:
WSP USA Inc.
2777 N. Stemmons Freeway
Suite 1600
Dallas, TX 75207

Attention: Kalei Jennings

Approved for release.
Jessica Kramer
Project Manager
7/16/2021 2:12 PM

Jessica Kramer, Project Manager
1211 W. Florida Ave, Midland, TX, 79701
jessica.kramer@eurofinset.com
07/16/2021

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Eurofins Xenco, Carlsbad
1089 N Canal St., Carlsbad, NM 88220
Tel (575) 988-3199 Fax (575) 988-3199 www.EurofinsUS.com

Client Sample Result Summary

Client: WSP USA Inc.
Project/Site: JRU D12 CTB

Job ID: 890-915-1
SDG: Eddy County

Lab Sample ID:	890-915-1	890-915-2	890-915-3	890-915-4	890-915-5
Client Sample ID:	PH01	PH01A	PH02	PH02A	PH03
Depth:	1	2	1	2	1
Matrix:	Solid	Solid	Solid	Solid	Solid
Date Collected:	07/07/2021 09:20	07/07/2021 09:32	07/07/2021 09:44	07/07/2021 09:48	07/07/2021 09:58

Method: 8021B - Volatile Organic Compounds (GC)

Prepared:	07/10/2021 10:40		07/10/2021 10:40		07/10/2021 10:40		07/10/2021 10:40		07/10/2021 10:40	
Analyzed:	07/11/2021 13:09		07/11/2021 13:30		07/11/2021 13:50		07/11/2021 14:11		07/11/2021 14:31	
Analyte	**Unit/RL:** mg/Kg	RL	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL
Benzene	<0.00200 U	0.00200	<0.00200 U	0.00200	<0.00199 U	0.00199	<0.00200 U	0.00200	<0.00198 U	0.00198
Toluene	<0.00200 U	0.00200	<0.00200 U	0.00200	<0.00199 U	0.00199	<0.00200 U	0.00200	<0.00198 U	0.00198
Ethylbenzene	<0.00200 U	0.00200	<0.00200 U	0.00200	<0.00199 U	0.00199	<0.00200 U	0.00200	<0.00198 U	0.00198
m-Xylene & p-Xylene	<0.00399 U	0.00399	<0.00400 U	0.00400	<0.00398 U	0.00398	<0.00400 U	0.00400	<0.00396 U	0.00396
o-Xylene	<0.00200 U	0.00200	<0.00200 U	0.00200	<0.00199 U	0.00199	<0.00200 U	0.00200	<0.00198 U	0.00198
Xylenes, Total	<0.00399 U	0.00399	<0.00400 U	0.00400	<0.00398 U	0.00398	<0.00400 U	0.00400	<0.00396 U	0.00396
Total BTEX	<0.00399 U	0.00399	<0.00400 U	0.00400	<0.00398 U	0.00398	<0.00400 U	0.00400	<0.00396 U	0.00396

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Prepared:	07/12/2021 11:44		07/12/2021 11:44		07/12/2021 11:44		07/12/2021 11:44		07/12/2021 11:44	
Analyzed:	07/14/2021 01:46		07/14/2021 02:49		07/14/2021 03:09		07/14/2021 03:30		07/14/2021 03:51	
Analyte	**Unit/RL:** mg/Kg	RL	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL
Gasoline Range Organics (GRO)-C6-C10	<50.0 U	50.0	<49.8 U	49.8	<50.0 U	50.0	<50.0 U	50.0	<49.8 U	49.8
Diesel Range Organics (Over C10-C28)	<50.0 U F2	50.0	<49.8 U	49.8	**61.2**	50.0	<50.0 U	50.0	<49.8 U	49.8
OII Range Organics (Over C28-C36)	<50.0 U	50.0	<49.8 U	49.8	<50.0 U	50.0	<50.0 U	50.0	<49.8 U	49.8
Total TPH	<50.0 U	50.0	<49.8 U	49.8	**61.2**	50.0	<50.0 U	50.0	<49.8 U	49.8

Method: 300.0 - Anions, Ion Chromatography - Soluble

Prepared:										
Analyzed:	07/16/2021 01:33		07/16/2021 01:39		07/16/2021 01:44		07/16/2021 01:50		07/16/2021 01:55	
Analyte	**Unit/RL:** mg/Kg	RL	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL
Chloride	**5.12**	4.95	**11.7**	4.95	**6.14**	5.04	**5.07**	5.05	**5.62**	4.99

Client Sample Result Summary

Client: WSP USA Inc.
Project/Site: JRU D12 CTB

Job ID: 890-915-1
SDG: Eddy County

Lab Sample ID:	890-915-6	890-915-7	890-915-8	890-915-9	890-915-10
Client Sample ID:	PH03A	PH04	PH04A	PH05	PH05A
Depth:	2	1	2	1	2
Matrix:	Solid	Solid	Solid	Solid	Solid
Date Collected:	07/07/2021 10:00	07/07/2021 10:04	07/07/2021 10:10	07/07/2021 10:15	07/07/2021 10:17

Method: 8021B - Volatile Organic Compounds (GC)

Prepared:	07/10/2021 10:40		07/10/2021 10:40		07/10/2021 10:40		07/10/2021 11:25		07/10/2021 11:25	
Analyzed:	07/11/2021 14:51		07/11/2021 15:12		07/11/2021 15:32		07/11/2021 19:10		07/11/2021 19:30	
Analyte **Unit/RL:**	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL
Benzene	<0.00202 U	0.00202	<0.00200 U	0.00200	<0.00200 U	0.00200	<0.00199 U	0.00199	<0.00200 U	0.00200
Toluene	<0.00202 U	0.00202	<0.00200 U	0.00200	<0.00200 U	0.00200	<0.00199 U	0.00199	<0.00200 U	0.00200
Ethylbenzene	<0.00202 U	0.00202	<0.00200 U	0.00200	<0.00200 U	0.00200	<0.00199 U	0.00199	<0.00200 U	0.00200
m-Xylene & p-Xylene	<0.00403 U	0.00403	<0.00401 U	0.00401	<0.00399 U	0.00399	<0.00398 U	0.00398	<0.00400 U	0.00400
o-Xylene	<0.00202 U	0.00202	<0.00200 U	0.00200	<0.00200 U	0.00200	<0.00199 U	0.00199	<0.00200 U	0.00200
Xylenes, Total	<0.00403 U	0.00403	<0.00401 U	0.00401	<0.00399 U	0.00399	<0.00398 U	0.00398	<0.00400 U	0.00400
Total BTEX	<0.00403 U	0.00403	<0.00401 U	0.00401	<0.00399 U	0.00399	<0.00398 U	0.00398	<0.00400 U	0.00400

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Prepared:	07/12/2021 11:44		07/12/2021 11:44		07/12/2021 11:44		07/12/2021 11:44		07/12/2021 11:44	
Analyzed:	07/14/2021 04:12		07/14/2021 04:32		07/14/2021 04:53		07/14/2021 05:14		07/14/2021 05:35	
Analyte **Unit/RL:**	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL
Gasoline Range Organics (GRO)-C6-C10	<49.7 U	49.7	<49.9 U	49.9	<50.0 U	50.0	<50.0 U	50.0	<49.9 U	49.9
Diesel Range Organics (Over C10-C28)	<49.7 U	49.7	<49.9 U	49.9	<50.0 U	50.0	<50.0 U	50.0	<49.9 U	49.9
OII Range Organics (Over C28-C36)	<49.7 U	49.7	<49.9 U	49.9	<50.0 U	50.0	<50.0 U	50.0	<49.9 U	49.9
Total TPH	<49.7 U	49.7	<49.9 U	49.9	<50.0 U	50.0	<50.0 U	50.0	<49.9 U	49.9

Method: 300.0 - Anions, Ion Chromatography - Soluble

Prepared:										
Analyzed:	07/16/2021 02:11		07/16/2021 02:17		07/16/2021 02:33		07/16/2021 02:38		07/16/2021 02:43	
Analyte **Unit/RL:**	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL
Chloride	**8.14**	5.03	**8.48**	4.97	**7.08**	4.99	**6.47**	5.04	**6.74**	5.02

Client Sample Result Summary

Client: WSP USA Inc.
Project/Site: JRU D12 CTB

Job ID: 890-915-1
SDG: Eddy County

Lab Sample ID:	890-915-11	890-915-12	890-915-13	890-915-14	890-915-15
Client Sample ID:	PH06	PH06A	PH07	PH07A	PH08
Depth:	1	2	1	2	1
Matrix:	Solid	Solid	Solid	Solid	Solid
Date Collected:	07/07/2021 10:20	07/07/2021 10:23	07/07/2021 10:35	07/07/2021 12:38	07/07/2021 12:40

Method: 8021B - Volatile Organic Compounds (GC)

Prepared:	07/10/2021 11:25		07/10/2021 11:25		07/10/2021 11:25		07/10/2021 11:25		07/10/2021 11:25	
Analyzed:	07/11/2021 19:51		07/11/2021 20:11		07/11/2021 20:32		07/11/2021 20:52		07/11/2021 21:13	
Analyte	**Unit/RL:** mg/Kg	RL	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL
Benzene	<0.00200 U	0.00200	<0.00202 U	0.00202	<0.00200 U	0.00200	<0.00200 U	0.00200	<0.00199 U	0.00199
Toluene	<0.00200 U	0.00200	<0.00202 U	0.00202	<0.00200 U	0.00200	<0.00200 U	0.00200	<0.00199 U	0.00199
Ethylbenzene	<0.00200 U	0.00200	<0.00202 U	0.00202	<0.00200 U	0.00200	<0.00200 U	0.00200	<0.00199 U	0.00199
m-Xylene & p-Xylene	<0.00399 U	0.00399	<0.00404 U	0.00404	<0.00401 U	0.00401	<0.00401 U	0.00401	<0.00398 U	0.00398
o-Xylene	<0.00200 U	0.00200	<0.00202 U	0.00202	<0.00200 U	0.00200	<0.00200 U	0.00200	<0.00199 U	0.00199
Xylenes, Total	<0.00399 U	0.00399	<0.00404 U	0.00404	<0.00401 U	0.00401	<0.00401 U	0.00401	<0.00398 U	0.00398
Total BTEX	<0.00399 U	0.00399	<0.00404 U	0.00404	<0.00401 U	0.00401	<0.00401 U	0.00401	<0.00398 U	0.00398

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Prepared:	07/12/2021 11:44		07/12/2021 11:44		07/12/2021 11:44		07/12/2021 11:44		07/12/2021 11:44	
Analyzed:	07/14/2021 06:16		07/14/2021 06:36		07/14/2021 06:57		07/14/2021 07:18		07/14/2021 07:38	
Analyte	**Unit/RL:** mg/Kg	RL	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL
Gasoline Range Organics (GRO)-C6-C10	<50.0 U	50.0	<50.0 U	50.0	<49.9 U	49.9	<49.9 U	49.9	<49.9 U	49.9
Diesel Range Organics (Over C10-C28)	<50.0 U	50.0	<50.0 U	50.0	<49.9 U	49.9	<49.9 U	49.9	<49.9 U	49.9
OII Range Organics (Over C28-C36)	<50.0 U	50.0	<50.0 U	50.0	<49.9 U	49.9	<49.9 U	49.9	<49.9 U	49.9
Total TPH	<50.0 U	50.0	<50.0 U	50.0	<49.9 U	49.9	<49.9 U	49.9	<49.9 U	49.9

Method: 300.0 - Anions, Ion Chromatography - Soluble

Prepared:										
Analyzed:	07/16/2021 02:49		07/16/2021 02:54		07/16/2021 03:00		07/16/2021 03:05		07/14/2021 17:52	
Analyte	**Unit/RL:** mg/Kg	RL	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL
Chloride	**5.62**	5.01	**6.72**	5.00	**5.97**	5.03	**5.93**	4.98	<4.98 U	4.98

Client Sample Result Summary

Client: WSP USA Inc.
Project/Site: JRU D12 CTB

Job ID: 890-915-1
SDG: Eddy County

Lab Sample ID:	890-915-16	890-915-17	890-915-18	890-915-19	890-915-20
Client Sample ID:	PH08A	PH09	PH09A	PH10	PH10A
Depth:	2	1	2	1	2
Matrix:	Solid	Solid	Solid	Solid	Solid
Date Collected:	07/07/2021 12:42	07/07/2021 12:57	07/07/2021 12:59	07/07/2021 13:03	07/07/2021 13:07

Method: 8021B - Volatile Organic Compounds (GC)

Prepared:	07/10/2021 11:25		07/10/2021 11:25		07/10/2021 11:25		07/10/2021 11:25		07/10/2021 11:25	
Analyzed:	07/11/2021 21:33		07/11/2021 21:53		07/11/2021 22:14		07/12/2021 00:03		07/12/2021 00:24	
Analyte	**Unit/RL:** mg/Kg	RL	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL
Benzene	<0.00202 U	0.00202	<0.00199 U	0.00199	<0.00200 U	0.00200	<0.00200 U	0.00200	<0.00201 U	0.00201
Toluene	<0.00202 U	0.00202	<0.00199 U	0.00199	<0.00200 U	0.00200	<0.00200 U	0.00200	<0.00201 U	0.00201
Ethylbenzene	<0.00202 U	0.00202	<0.00199 U	0.00199	<0.00200 U	0.00200	<0.00200 U	0.00200	<0.00201 U	0.00201
m-Xylene & p-Xylene	<0.00403 U	0.00403	<0.00398 U	0.00398	<0.00400 U	0.00400	<0.00400 U	0.00400	<0.00402 U	0.00402
o-Xylene	<0.00202 U	0.00202	<0.00199 U	0.00199	<0.00200 U	0.00200	<0.00200 U	0.00200	<0.00201 U	0.00201
Xylenes, Total	<0.00403 U	0.00403	<0.00398 U	0.00398	<0.00400 U	0.00400	<0.00400 U	0.00400	<0.00402 U	0.00402
Total BTEX	<0.00403 U	0.00403	<0.00398 U	0.00398	<0.00400 U	0.00400	<0.00400 U	0.00400	<0.00402 U	0.00402

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Prepared:	07/12/2021 11:44		07/12/2021 13:20		07/12/2021 13:20		07/12/2021 13:20		07/12/2021 13:20	
Analyzed:	07/14/2021 07:59		07/14/2021 07:38		07/14/2021 07:59		07/14/2021 08:20		07/14/2021 08:41	
Analyte	**Unit/RL:** mg/Kg	RL	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL
Gasoline Range Organics (GRO)-C6-C10	<50.0 U	50.0	<49.9 U	49.9	<50.0 U	50.0	<50.0 U	50.0	<49.9 U	49.9
Diesel Range Organics (Over C10-C28)	<50.0 U	50.0	**63.7**	49.9	<50.0 U	50.0	<50.0 U	50.0	<49.9 U	49.9
OII Range Organics (Over C28-C36)	<50.0 U	50.0	<49.9 U	49.9	<50.0 U	50.0	<50.0 U	50.0	<49.9 U	49.9
Total TPH	<50.0 U	50.0	**63.7**	49.9	<50.0 U	50.0	<50.0 U	50.0	<49.9 U	49.9

Method: 300.0 - Anions, Ion Chromatography - Soluble

Prepared:										
Analyzed:	07/14/2021 18:09		07/14/2021 18:14		07/14/2021 18:20		07/14/2021 18:25		07/14/2021 19:20	
Analyte	**Unit/RL:** mg/Kg	RL	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL
Chloride	<5.05 U	5.05	<5.02 U	5.02	<4.99 U	4.99	<4.99 U	4.99	<5.01 U	5.01

Client Sample Result Summary

Client: WSP USA Inc.
Project/Site: JRU D12 CTB

Job ID: 890-915-1
SDG: Eddy County

Lab Sample ID:	890-915-21	890-915-22
Client Sample ID:	PH11	PH11A
Depth:	1	2
Matrix:	Solid	Solid
Date Collected:	07/07/2021 13:10	07/07/2021 13:12

Method: 8021B - Volatile Organic Compounds (GC)

	Prepared:	07/10/2021 11:25		07/10/2021 11:25	
	Analyzed:	07/12/2021 00:44		07/12/2021 01:05	
Analyte	**Unit/RL:**	mg/Kg	RL	mg/Kg	RL
Benzene		<0.00199 U	0.00199	<0.00199 U	0.00199
Toluene		<0.00199 U	0.00199	<0.00199 U	0.00199
Ethylbenzene		<0.00199 U	0.00199	<0.00199 U	0.00199
m-Xylene & p-Xylene		<0.00398 U	0.00398	<0.00398 U	0.00398
o-Xylene		<0.00199 U	0.00199	<0.00199 U	0.00199
Xylenes, Total		<0.00398 U	0.00398	<0.00398 U	0.00398
Total BTEX		<0.00398 U	0.00398	<0.00398 U	0.00398

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

	Prepared:	07/12/2021 13:20		07/12/2021 13:20	
	Analyzed:	07/14/2021 09:02		07/14/2021 09:23	
Analyte	**Unit/RL:**	mg/Kg	RL	mg/Kg	RL
Gasoline Range Organics (GRO)-C6-C10		<49.9 U	49.9	<50.0 U	50.0
Diesel Range Organics (Over C10-C28)		<49.9 U	49.9	<50.0 U	50.0
OII Range Organics (Over C28-C36)		<49.9 U	49.9	<50.0 U	50.0
Total TPH		<49.9 U	49.9	<50.0 U	50.0

Method: 300.0 - Anions, Ion Chromatography - Soluble

	Prepared:				
	Analyzed:	07/14/2021 19:26		07/14/2021 19:31	
Analyte	**Unit/RL:**	mg/Kg	RL	mg/Kg	RL
Chloride		**1.07**	0.500	**11.5**	5.04

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 41933

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 41933
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2113941916 JAMES RANCH UNIT DI 2 CTB, thank you. This closure is approved.	11/19/2021