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	NAPP2103630448
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 32.48981 Longitude -103.98737
(NAD 83 in decimal degrees to 5 decimal places)

Site Name BEU DI 28	Site Type CTB
Date Release Discovered 1/23/2021	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
O	9	21S	29E	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)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 220	Volume Recovered (bbls) 220
	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: Fluid leaked into impermeable containment from a hole in a 1/2" nipple connection due to internal corrosion. A 48-hour advance liner inspection notice was sent to NMOCD District 2. Liner was inspected and determined not to be operating as designed. A third-party contractor has been retained for remediation activities.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2103630448
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 equal to or greater than 25 barrels.

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
Yes, by Kyle Littrell to 'Bratcher, Mike, EMNRD'; 'Hamlet, Robert, EMNRD'; 'Venegas, Victoria, EMNRD'; 'emily.hernandez@state.nm.us'; 'BLM_NM_CFO_Spill@blm.gov'; 'Morgan, Crisha A' on Saturday, January 23, 2021 5:01 PM 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: 2-5-21
email: kyle.littrell@exxonmobil.com Telephone: 432-221-7331

OCD Only

Received by: Date:

Location:	**BEU DI 28 CTB**	
Spill Date:	**1/23/2021**	
Area 1		
Approximate Area =	1235.21	cu. ft.
VOLUME OF LEAK		
Total Produced Water =	220.00	bbls
TOTAL VOLUME OF LEAK		
Total Produced Water =	**220.00**	**bbls**
TOTAL VOLUME RECOVERED		
Total Produced Water =	**220.00**	**bbls**

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2103630448
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?	>110 (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.

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2103630448
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: Kyle Littrell Title: Environmental Manager

Signature: Date: 6/8/2021

email: Kyle_Littrell@exxonmobil.com Telephone: (432)-221-7331

OCD Only

Received by: Date:

Incident ID	NAPP2103630448
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: Kyle Littrell Title: Environmental Manager

Signature: Date: 6/8/2021

email: Kyle_Littrell@exxonmobil.com Telephone: 432-221-7331

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	NAPP2103630448
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.***

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☒ 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: Kyle Littrell Title: Environmental Manager

Signature: Date: 6/8/2021

email: Kyle_Littrell@exxonmobil.com Telephone: 432-221-7331

OCD Only

Received by: Robert Hamlet Date: 9/16/2021

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: 9/16/2021

Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

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

June 8, 2021

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

RE: Closure Request
BEU DI 28
Incident Number NAPP2103630448
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 BEU DI 28 (Site) in Unit O, Section 9, Township 21 South, Range 29 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 resulting from a release of produced water within lined containment at the Site. Based on field observations, field screening activities, and soil sample laboratory analytical results, XTO is submitting this Closure Request and requesting no further action (NFA) for Incident Number NAPP2103630448.

RELEASE BACKGROUND

On January 23, 2021, internal corrosion caused a nipple connection to rupture, resulting in the release of 220 barrels (bbls) of produced water into a lined steel containment. Approximately 220 bbls of produced water were recovered and returned to production. A 48-hour advance notice of liner inspection was provided via email to New Mexico Oil Conservation Division (NMOCD) District II office. A liner integrity inspection was conducted by XTO personnel following the fluid recovery and upon inspection, the liner was determined to be insufficient. XTO reported the release to the NMOCD immediately via email on January 23, 2021 and subsequently submitted a Form C-141 on February 5, 2021. The release was assigned Incident Number NAPP2103630448.

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 323035103582201, located approximately 1.6 miles northeast of the Site. The groundwater well has a reported depth to groundwater of 219 feet bgs and a total depth of 360 feet bgs. Ground surface elevation at the groundwater well location is 3,425 feet amsl, which is approximately 16 feet higher in elevation than the Site.

On April 21, 2019, a soil boring (C-4507) was drilled within 1 mile of the Site utilizing a track-mounted hollow stem rig. Soil boring C-4507 was drilled to a depth of 110 feet bgs. A WSP geologist logged and described soils continuously. No moisture or groundwater was encountered during drilling activities. The location of the borehole is approximately 1 mile west of the Site and is depicted on Figure 1. The borehole was left open for over 72 hours to allow for potential slow infill of groundwater. After the 72-hour waiting period without observing groundwater, it was confirmed that groundwater beneath the Site is greater than 110 feet bgs. The well record and log for C-4507 is included in Attachment 1. The borehole was properly abandoned with drill cuttings and hydrated bentonite chips. The borehole was drilled in a similar geologic setting and elevation as the Site. The combination of the additional borehole data with numerous data north of the Site on the opposing side of Quahada Ridge present multiple lines of evidence for depth to groundwater being greater than 100 feet, even though regional data are sparse. The Site is on the southern flank of Quahada Ridge and greater than 100 feet higher in elevation than the nearest drainage to the south. There are no nearby features, such as drainages, ponds, or wetland vegetation, indicative of shallow groundwater. All wells and topographic observations used for depth to groundwater determination are depicted on Figure 1 and 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 7,483 feet southeast 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 (medium 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 ACTIVITIES

On May 4, 2021, WSP personnel were at the Site to evaluate the release extent and conduct delineation activities. One borehole (BH01) was advanced via hand auger at the location of the tear in the liner to assess the vertical extent of impacted soil. Borehole BH01 was advanced to a depth of 2 feet bgs. Soil from the borehole was field screened for volatile aromatic hydrocarbons and chloride utilizing a calibrated photo-ionization detector (PID) and Hach® chloride QuanTab® test strips, respectively. Two delineation soil samples were collected from the borehole at depths of 0.5 feet and 2 feet bgs. Field screening results and observations for the borehole were logged on a lithologic/soil sampling log, which is included in Attachment 2. The borehole soil sample location is depicted on Figure 2. Photographic documentation of the delineation activities is included in Attachment 3. Following delineation activities, the tear in the liner was bonded and repaired by XTO to restore the integrity of the liner.

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 Xenco Laboratories (Eurofins Xenco) in Carlsbad, New Mexico, for analysis of BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-gasoline range organics (GRO), TPH- diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

SOIL ANALYTICAL RESULTS

Laboratory analytical results for delineation soil samples BH01 and BH01A, collected at depths of 0.5 feet and 2 feet bgs, indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included as Attachment 4.

CLOSURE REQUEST

Following the failed liner integrity inspection at the Site, WSP personnel advanced one borehole (BH01) within the lined containment to assess for the presence or absence of impacted soil resulting from the January 23, 2021 produced water release within lined containment. Two delineation soil samples were collected from the borehole (BH01) at depths of 0.5 feet and 2 feet bgs. Laboratory analytical results for the delineation soil samples indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria. Additionally, the release was vertically delineated to the most stringent Closure Criteria. The release was contained laterally by the lined containment and all released fluids were recovered during initial response activities. The tear in the liner was subsequently repaired.

Based on initial response efforts and soil sample laboratory analytical results compliant with the Closure Criteria, XTO respectfully requests NFA for Incident Number NAPP2103630448.

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

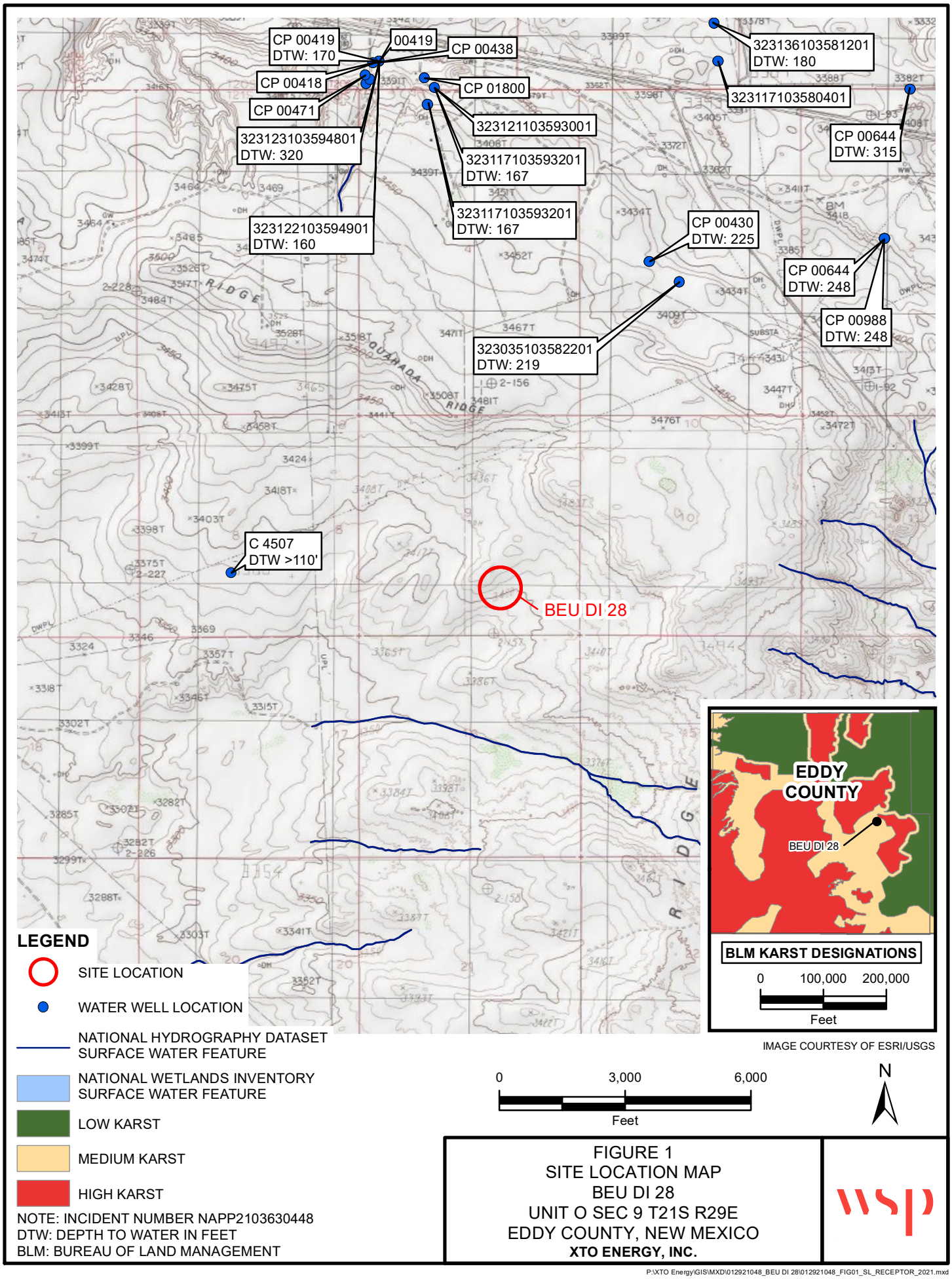
Ashley L. Ager, P.G.
Managing Director, Geologist

cc: Kyle Littrell, XTO
Bureau of Land Management

Attachments:

Figure 1	Site Location Map
Figure 2	Delineation Soil Sample Locations
Table 1	Soil Analytical Results
Attachment 1	Referenced Well Records
Attachment 2	Lithologic/Soil Sampling Logs
Attachment 3	Photographic Log
Attachment 4	Laboratory Analytical Reports

FIGURES



NOTE: INCIDENT NUMBER NAPP2103630448
DTW: DEPTH TO WATER IN FEET
BLM: BUREAU OF LAND MANAGEMENT

FIGURE 1
SITE LOCATION MAP
BEU DI 28
UNIT O SEC 9 T21S R29E
EDDY COUNTY, NEW MEXICO
XTO ENERGY, INC.

P:\XTO Energy\GIS\MXD\012921048_BEU DI 28\012921048_FIG01_SL_RECEPTOR_2021.mxd

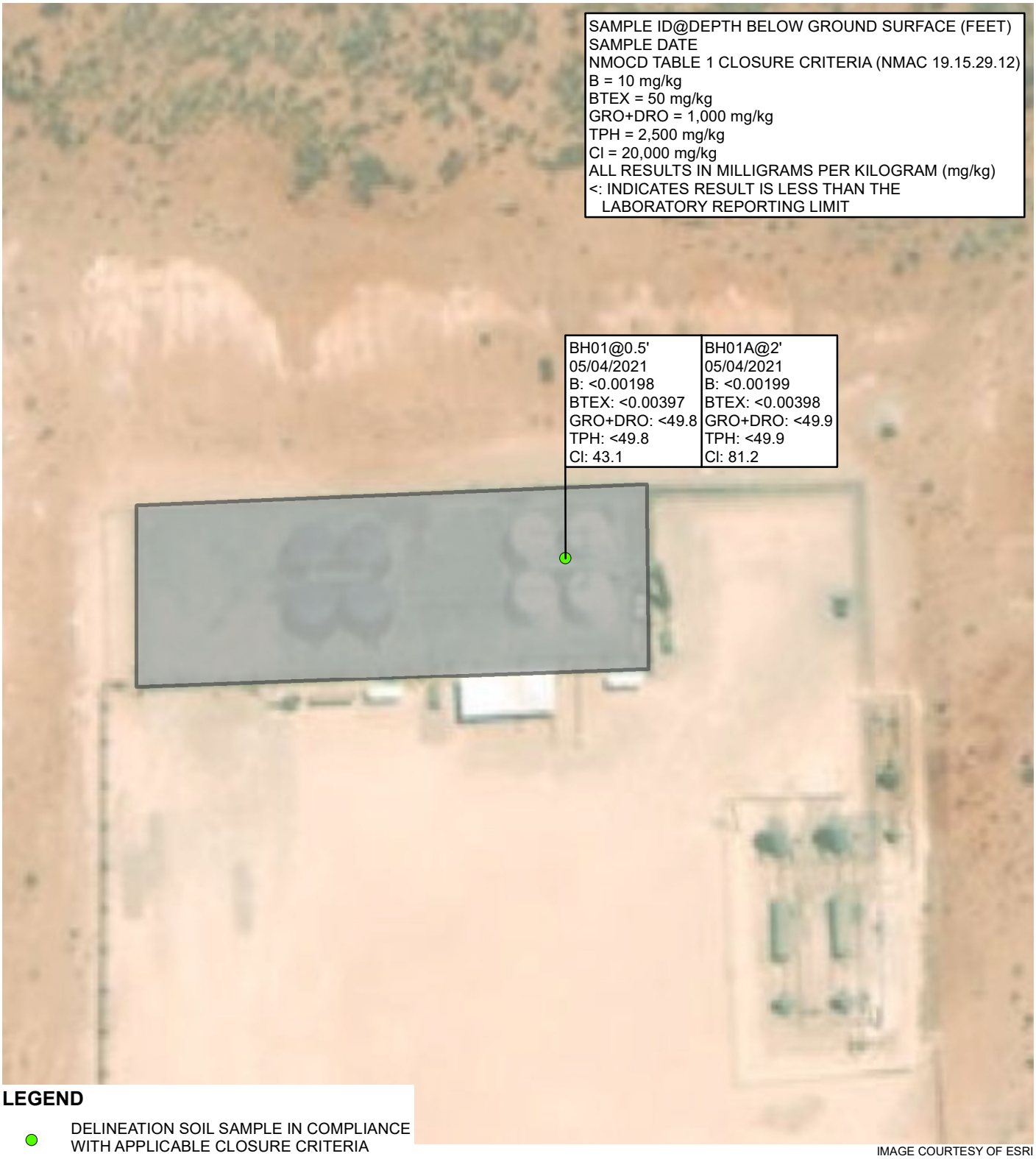


FIGURE 2
DELINEATION SOIL SAMPLE LOCATIONS
BEU DI 28
UNIT O SEC 9 T21S R29E
EDDY COUNTY, NEW MEXICO
XTO ENERGY, INC.

P:\XTO Energy\GIS\MXD\012921048_BEU DI 28\012921048_FIG02_DELINEATION_2021.mxd

TABLES

Table 1

Soil Analytical Results
BEU DI 28
Incident Number NAPP2103630448
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										
BH01	05/04/2021	0.5	<0.00198	<0.00397	<49.8	<49.8	<49.8	<49.8	<49.8	43.1
BH01A	05/04/2021	2	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	81.2

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
Text impated soil was removed
* - indicates sample was collected in area to be reclaimed after remediation is complete;
closure criteria for chloride concentration in the top 4 feet of soil is 600 mg/kg

ATTACHMENT 1: REFERENCED WELL RECORD

DESCRIPTION:

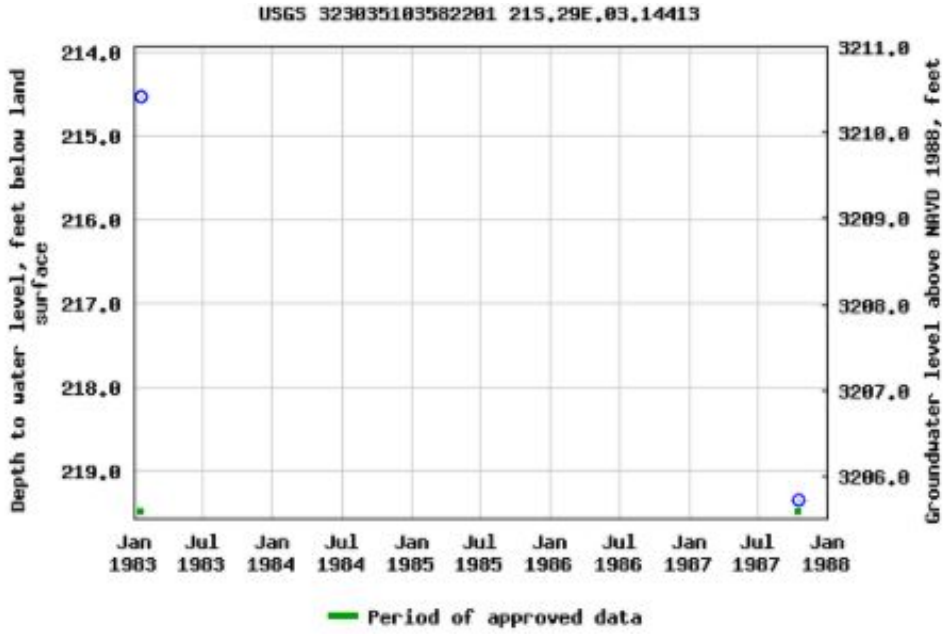
Latitude 32°30'35", Longitude 103°58'22" NAD27
Eddy County, New Mexico , Hydrologic Unit 13060011
Well depth: 360 feet
Land surface altitude: 3,425 feet above NAVD88.
Well completed in "Other aquifers" (N9999OTHER) national aquifer.
Well completed in "Seven Rivers Formation" (313SVRV) local aquifer

AVAILABLE DATA:

Data Type	Begin Date	End Date	Count
Field groundwater-level measurements	1983-01-18	1987-10-14	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



New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Twn	Rng	(NAD83 UTM in meters) X	Y
	CP 00430	1	4	1	03	21S	29E	596221	3597558*

Driller License:	46	**Driller Company:**	ABBOTT BROTHERS COMPANY		
Driller Name:	ABBOTT, MURRELL				
Drill Start Date:	04/04/1967	**Drill Finish Date:**	04/06/1967	**Plug Date:**	06/27/1967
Log File Date:	04/21/1967	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	7.00	**Depth Well:**	360 feet	**Depth Water:**	225 feet

Water Bearing Stratifications:	Top	Bottom	Description
	175	205	Other/Unknown
	345	350	Limestone/Dolomite/Chalk

Casing Perforations:	Top	Bottom
	310	360

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

Atkins
ENGINEERING ASSOCIATES INC.
2904 W 2nd St.
Roswell, NM 88201
voice: 575.624.2420
fax: 575.624.2421
www.atkinseng.com

05/05/2021

DII-NMOSE
1900 W 2nd Street
Roswell, NM 88201

Hand Delivered to the DII Office of the State Engineer

Re: Well Record C-4507 Pod1

To whom it may concern:

Attached please find a well record and a plugging record, in duplicate, for a one (1) soil borings, C-4507

If you have any questions, please contact me at 575.499.9244 or lucas@atkinseng.com.

Sincerely,

Lucas Middleton

Enclosures: as noted above

PLUGGING RECORD

NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: C-4507- POD1

Well owner: XTO ENERGY (Kyle Littrell) Phone No.: 432.682.8873

Mailing address: 6401 Holiday Hill Dr.

City: Midland State: Texas Zip code: 79707

II. WELL PLUGGING INFORMATION:

1) Name of well drilling company that plugged well: Jackie D. Atkins (Atkins Engineering Associates Inc.)

2) New Mexico Well Driller License No.: 1249 Expiration Date: 04/30/23

3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Shane Eldridge

4) Date well plugging began: 04/27/2021 Date well plugging concluded: 04/27/2021

5) GPS Well Location: Latitude: 32 deg, 29 min, 28.44 sec
Longitude: 104 deg, 0 min, 28.00 sec, WGS 84

6) Depth of well confirmed at initiation of plugging as: 110 ft below ground level (bgl), by the following manner: weighted tape

7) Static water level measured at initiation of plugging: n/a ft bgl

8) Date well plugging plan of operations was approved by the State Engineer: 01/29/2021

9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

Version: September 8, 2009
Page 1 of 2

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	0-10' Hydrated Bentonite	Approx. 15.8 gallons	16 gallons	Augers	
	10'-110' Drill Cuttings	Approx. 172 gallons	172 gallons	Boring	

MULTIPLY		BY		AND OBTAIN
cubic feet	x	7.4805	=	gallons
cubic yards	x	201.97	=	gallons

III. SIGNATURE:

I, Jackie D. Atkins, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Jack Atkins

Signature of Well Driller

05/05/2021

Date

Version: September 8, 2009
Page 2 of 2

2021-05-04_C-4507_Plugging Record_golden-forsign

Final Audit Report 2021-05-05

Created:	2021-05-05
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAusM-6cPyH0hTk8dumyZPnasZJw9Df5Tw

"2021-05-04_C-4507_Plugging Record_golden-forsign" History

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WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
POD1 (BH-01)	n/a	C-4507

WELL OWNER NAME(S)	PHONE (OPTIONAL)
XTO Energy (Kyle Littrell)	

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
6401 Holiday Hill Dr.	Midland	TX	79707

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	29	28.44	N
	LONGITUDE	104	0	28.00	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

NE SW Sec. 8 T21S R29E

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
1249	Jackie D. Atkins	Atkins Engineering Associates, Inc.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
04/21/2021	04/21/2021	temporary well material	110	n/a

COMPLETED WELL IS: ☐ ARTESIAN ☑ DRY HOLE ☐ SHALLOW (UNCONFINED) — STATIC WATER LEVEL IN COMPLETED WELL (FT): n/a

DRILLING FLUID: ☐ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☐ ROTARY ☐ HAMMER ☐ CABLE TOOL ☑ OTHER – SPECIFY: Hollow Stem Auger

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	110	±6.5	Boring- HSA	--	--	--	--

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 06/30/17)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	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)
0	4	4	Sand w/ caliche, brown, no odor, no stain, m-f, well sorted, low consolidation	Y ✓ N	
4	9	5	Caliche, tan, low consolidation, brown sand, m-f grained, moderately sorted	Y ✓ N	
9	11	--	Sand w/ caliche, light brown, low consolidation, moderateley sorted,	Y ✓ N	
--	11	2	small tan caliche gravel	Y ✓ N	
11	110	99	Sand w/ caliche, light brown, low consolidation, moderateley sorted,	Y ✓ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

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: Golden 8 Fed Battery .Temporary well materials removed and the soil boring backfilled using drill cuttings from total depth to ten feet below ground surface, then hydrated bentonite chips from ten feet below ground surface to surface.
Logs adapted from WSP on-site geologist.

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Shane Eldridge

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 30 DAYS AFTER COMPLETION OF WELL DRILLING:

Jack Atkins — Jackie D. Atkins — 05/05/2021

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 06/30/2017)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 2 OF 2

2021-05-04_C-4507_OSE_Well Record and Log_golden-forsign

Final Audit Report 2021-05-05

Created:	2021-05-05
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAwFWBSMHf8LZfeG-H9rfnRsaIIPfQ_tG4

"2021-05-04_C-4507_OSE_Well Record and Log_golden-forsign " History

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Agreement completed.
2021-05-05 - 9:28:26 PM GMT

OSE DIT MAY 5 2021 PM 3:53

Adobe Sign

ATTACHMENT 2: LITHOLOGIC/SAMPLING LOG

WSP USA

508 West Stevens Street
Carlsbad, New Mexico 88220

BH or PH Name:	Date:
BH01	5/4/2021

Site Name: BEU DI 28

RP or Incident Number: NAPP2103630448

LTE Job Number: TE012921048

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: LAD	Method: Hand Auger

Lat/Long:	Field Screening: Chloride, PID	Hole Diameter: 3"	Total Depth: 2'

Comments:

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
dry	>179.2	0.2	n	BH01	0.5'	0	CCHE	CALICHE, dry, off white, trace silt, small angular gravel, no stain, no odor.
						1	SM	SAND, dry, light brown-tan, unconsolidated, large caliche gravel, no stain, no odor.
dry	>179.2	0.0	n	BH01A	2'	2		
								Auger Refusal
								Total Depth: 2 ft bgs

ATTACHMENT 3: PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG		
XTO Energy, Inc.	BEU DI 28 Eddy County, New Mexico	NAPP2103630448

Photo No.	Date
1	May 5, 2021

View of delineation soil sampling activities.

Photo No.	Date
2	May 5, 2021

View of delineation soil sampling activities following backfilling procedures.

ATTACHMENT 4: LABORATORY ANALYTICAL RESULTS

eurofins | Environment Testing America

ANALYTICAL REPORT

Job Number: 890-629-1

SDG Number: TE012921048

Job Description: BEU DI 28

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

Attention: Dan Moir

Approved for release.
Jessica Kramer
Project Manager
5/10/2021 11:09 AM

Jessica Kramer, Project Manager
1211 W. Florida Ave, Midland, TX, 79701
jessica.kramer@eurofinset.com
05/10/2021

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: BEU DI 28

Job ID: 890-629-1
SDG: TE012921048

Lab Sample ID:	890-629-1	890-629-2
Client Sample ID:	BH01	BH01A
Depth:	0.5	2
Matrix:	Solid	Solid
Date Collected:	05/04/2021 14:22	05/04/2021 14:52

Method: 8021B - Volatile Organic Compounds (GC)

	Prepared:	05/06/2021 11:00		05/06/2021 11:00	
	Analyzed:	05/06/2021 19:25		05/06/2021 19:46	
Analyte	**Unit/RL:**	mg/Kg	RL	mg/Kg	RL
Benzene		<0.00198 U	0.00198	<0.00199 U	0.00199
Toluene		<0.00198 U	0.00198	<0.00199 U	0.00199
Ethylbenzene		<0.00198 U	0.00198	<0.00199 U	0.00199
m-Xylene & p-Xylene		<0.00397 U	0.00397	<0.00398 U	0.00398
o-Xylene		<0.00198 U	0.00198	<0.00199 U	0.00199
Xylenes, Total		<0.00397 U	0.00397	<0.00398 U	0.00398
Total BTEX		<0.00397 U	0.00397	<0.00398 U	0.00398

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

	Prepared:	05/06/2021 16:52		05/06/2021 11:32	
	Analyzed:	05/07/2021 13:41		05/07/2021 05:14	
Analyte	**Unit/RL:**	mg/Kg	RL	mg/Kg	RL
Gasoline Range Organics (GRO)-C6-C10		<49.8 U	49.8	<49.9 U	49.9
Diesel Range Organics (Over C10-C28)		<49.8 U	49.8	<49.9 U	49.9
OIl Range Organics (Over C28-C36)		<49.8 U	49.8	<49.9 U	49.9
Total TPH		<49.8 U	49.8	<49.9 U	49.9

Method: 300.0 - Anions, Ion Chromatography - Soluble

	Prepared:				
	Analyzed:	05/07/2021 09:51		05/07/2021 10:07	
Analyte	**Unit/RL:**	mg/Kg	RL	mg/Kg	RL
Chloride		**43.1**	4.99	**81.2**	5.04

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-629-1
Laboratory Sample Delivery Group: TE012921048
Client Project/Site: BEU DI 28

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

Attn: Dan Moir

JKramer

Authorized for release by:
5/10/2021 11:08:44 AM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

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.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: WSP USA Inc.
Project/Site: BEU DI 28

Laboratory Job ID: 890-629-1
SDG: TE012921048

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Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-629-1
Project/Site: BEU DI 28 SDG: TE012921048

Qualifiers

GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: WSP USA Inc.
Project/Site: BEU DI 28

Job ID: 890-629-1
SDG: TE012921048

Job ID: 890-629-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-629-1

Receipt
The samples were received on 5/5/2021 10:35 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.8°C

Receipt Exceptions
The following samples analyzed for method BTEX 8021 were received and analyzed from an unpreserved bulk soil jar: BH01 (890-629-1) and BH01A (890-629-2).

GC VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: WSP USA Inc.
Project/Site: BEU DI 28

Job ID: 890-629-1
SDG: TE012921048

Client Sample ID: BH01

Lab Sample ID: 890-629-1
Matrix: Solid
Date Collected: 05/04/21 14:22
Date Received: 05/05/21 10:35
Sample Depth: - 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		05/06/21 11:00	05/06/21 19:25	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/06/21 11:00	05/06/21 19:25	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/06/21 11:00	05/06/21 19:25	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		05/06/21 11:00	05/06/21 19:25	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/06/21 11:00	05/06/21 19:25	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		05/06/21 11:00	05/06/21 19:25	1
Total BTEX	<0.00397	U	0.00397		mg/Kg		05/06/21 11:00	05/06/21 19:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*05/06/21 11:00*	*05/06/21 19:25*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*05/06/21 11:00*	*05/06/21 19:25*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/06/21 16:52	05/07/21 13:41	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/06/21 16:52	05/07/21 13:41	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/06/21 16:52	05/07/21 13:41	1
Total TPH	<49.8	U	49.8		mg/Kg		05/06/21 16:52	05/07/21 13:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*05/06/21 16:52*	*05/07/21 13:41*	*1*
o-Terphenyl	*106*		*70 - 130*	*05/06/21 16:52*	*05/07/21 13:41*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**43.1**		4.99		mg/Kg			05/07/21 09:51	1

Client Sample ID: BH01A

Lab Sample ID: 890-629-2
Matrix: Solid
Date Collected: 05/04/21 14:52
Date Received: 05/05/21 10:35
Sample Depth: - 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/06/21 11:00	05/06/21 19:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/06/21 11:00	05/06/21 19:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/06/21 11:00	05/06/21 19:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/06/21 11:00	05/06/21 19:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/06/21 11:00	05/06/21 19:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/06/21 11:00	05/06/21 19:46	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		05/06/21 11:00	05/06/21 19:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*05/06/21 11:00*	*05/06/21 19:46*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*05/06/21 11:00*	*05/06/21 19:46*	*1*

Client Sample Results

Client: WSP USA Inc.
Project/Site: BEU DI 28

Job ID: 890-629-1
SDG: TE012921048

Client Sample ID: BH01A

Date Collected: 05/04/21 14:52
Date Received: 05/05/21 10:35
Sample Depth: - 2

Lab Sample ID: 890-629-2

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/06/21 11:32	05/07/21 05:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/06/21 11:32	05/07/21 05:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/06/21 11:32	05/07/21 05:14	1
Total TPH	<49.9	U	49.9		mg/Kg		05/06/21 11:32	05/07/21 05:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*05/06/21 11:32*	*05/07/21 05:14*	*1*
o-Terphenyl	*104*		*70 - 130*	*05/06/21 11:32*	*05/07/21 05:14*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**81.2**		5.04		mg/Kg			05/07/21 10:07	1

Surrogate Summary

Client: WSP USA Inc.
Project/Site: BEU DI 28

Job ID: 890-629-1
SDG: TE012921048

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-629-1	BH01	98	94
890-629-2	BH01A	97	95
LCS 880-2756/1-A	Lab Control Sample	110	107
LCSD 880-2756/2-A	Lab Control Sample Dup	108	109
MB 880-2756/5-A	Method Blank	91	93

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-629-1	BH01	94	106
890-629-2	BH01A	97	104
LCS 880-2771/2-A	Lab Control Sample	105	105
LCS 880-2794/2-A	Lab Control Sample	97	102
LCSD 880-2771/3-A	Lab Control Sample Dup	105	104
LCSD 880-2794/3-A	Lab Control Sample Dup	105	111
MB 880-2771/1-A	Method Blank	96	105
MB 880-2794/1-A	Method Blank	91	101

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: WSP USA Inc.
Project/Site: BEU DI 28

Job ID: 890-629-1
SDG: TE012921048

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-2756/5-A
Matrix: Solid
Analysis Batch: 2758

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 2756

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/06/21 08:25	05/06/21 11:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/06/21 08:25	05/06/21 11:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/06/21 08:25	05/06/21 11:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/06/21 08:25	05/06/21 11:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/06/21 08:25	05/06/21 11:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/06/21 08:25	05/06/21 11:55	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		05/06/21 08:25	05/06/21 11:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*05/06/21 08:25*	*05/06/21 11:55*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*05/06/21 08:25*	*05/06/21 11:55*	*1*

Lab Sample ID: LCS 880-2756/1-A
Matrix: Solid
Analysis Batch: 2758

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 2756

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.1079		mg/Kg		108	70 - 130		
Toluene			0.100	0.1028		mg/Kg		103	70 - 130		
Ethylbenzene			0.100	0.1049		mg/Kg		105	70 - 130		
m-Xylene & p-Xylene			0.200	0.2250		mg/Kg		112	70 - 130		
o-Xylene			0.100	0.1130		mg/Kg		113	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: LCSD 880-2756/2-A
Matrix: Solid
Analysis Batch: 2758

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 2756

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.1057		mg/Kg		106	70 - 130	2	35
Toluene			0.100	0.1002		mg/Kg		100	70 - 130	3	35
Ethylbenzene			0.100	0.1010		mg/Kg		101	70 - 130	4	35
m-Xylene & p-Xylene			0.200	0.2169		mg/Kg		108	70 - 130	4	35
o-Xylene			0.100	0.1095		mg/Kg		110	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*

QC Sample Results

Client: WSP USA Inc.
Project/Site: BEU DI 28

Job ID: 890-629-1
SDG: TE012921048

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

Lab Sample ID: MB 880-2771/1-A
Matrix: Solid
Analysis Batch: 2795

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 2771

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/06/21 11:32	05/06/21 21:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/06/21 11:32	05/06/21 21:36	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/06/21 11:32	05/06/21 21:36	1
Total TPH	<50.0	U	50.0		mg/Kg		05/06/21 11:32	05/06/21 21:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*05/06/21 11:32*	*05/06/21 21:36*	*1*
o-Terphenyl	*105*		*70 - 130*	*05/06/21 11:32*	*05/06/21 21:36*	*1*

Lab Sample ID: LCS 880-2771/2-A
Matrix: Solid
Analysis Batch: 2795

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 2771

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	830.9		mg/Kg		83	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1091		mg/Kg		109	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*105*		*70 - 130*
o-Terphenyl	*105*		*70 - 130*

Lab Sample ID: LCSD 880-2771/3-A
Matrix: Solid
Analysis Batch: 2795

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 2771

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	866.9		mg/Kg		87	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	1079		mg/Kg		108	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*105*		*70 - 130*
o-Terphenyl	*104*		*70 - 130*

Lab Sample ID: MB 880-2794/1-A
Matrix: Solid
Analysis Batch: 2814

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 2794

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/06/21 16:52	05/07/21 11:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/06/21 16:52	05/07/21 11:15	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/06/21 16:52	05/07/21 11:15	1
Total TPH	<50.0	U	50.0		mg/Kg		05/06/21 16:52	05/07/21 11:15	1

QC Sample Results

Client: WSP USA Inc.
Project/Site: BEU DI 28

Job ID: 890-629-1
SDG: TE012921048

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	05/06/21 16:52	05/07/21 11:15	1
o-Terphenyl	101		70 - 130	05/06/21 16:52	05/07/21 11:15	1

Lab Sample ID: LCS 880-2794/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 2814 — **Prep Batch: 2794**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	925.4		mg/Kg		93	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1044		mg/Kg		104	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	102		70 - 130

Lab Sample ID: LCSD 880-2794/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 2814 — **Prep Batch: 2794**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1018		mg/Kg		102	70 - 130	10	20
Diesel Range Organics (Over C10-C28)			1000	1135		mg/Kg		113	70 - 130	8	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	111		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-2803/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 2806

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/07/21 09:29	1

Lab Sample ID: LCS 880-2803/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 2806

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	240.8		mg/Kg		96	90 - 110		

Lab Sample ID: LCSD 880-2803/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 2806

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	240.3		mg/Kg		96	90 - 110	0	20

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: BEU DI 28

Job ID: 890-629-1
SDG: TE012921048

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-629-1 MS
Matrix: Solid
Analysis Batch: 2806

Client Sample ID: BH01
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	43.1		250	291.9		mg/Kg		100	90 - 110		

Lab Sample ID: 890-629-1 MSD
Matrix: Solid
Analysis Batch: 2806

Client Sample ID: BH01
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	43.1		250	279.4		mg/Kg		95	90 - 110	4	20

QC Association Summary

Client: WSP USA Inc.
Project/Site: BEU DI 28

Job ID: 890-629-1
SDG: TE012921048

GC VOA

Prep Batch: 2756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-629-1	BH01	Total/NA	Solid	5035	
890-629-2	BH01A	Total/NA	Solid	5035	
MB 880-2756/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-2756/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-2756/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 2758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-629-1	BH01	Total/NA	Solid	8021B	2756
890-629-2	BH01A	Total/NA	Solid	8021B	2756
MB 880-2756/5-A	Method Blank	Total/NA	Solid	8021B	2756
LCS 880-2756/1-A	Lab Control Sample	Total/NA	Solid	8021B	2756
LCSD 880-2756/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	2756

GC Semi VOA

Prep Batch: 2771

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-629-2	BH01A	Total/NA	Solid	8015NM Prep	
MB 880-2771/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-2771/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-2771/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 2794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-629-1	BH01	Total/NA	Solid	8015NM Prep	
MB 880-2794/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-2794/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-2794/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 2795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-629-2	BH01A	Total/NA	Solid	8015B NM	2771
MB 880-2771/1-A	Method Blank	Total/NA	Solid	8015B NM	2771
LCS 880-2771/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	2771
LCSD 880-2771/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	2771

Analysis Batch: 2814

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-629-1	BH01	Total/NA	Solid	8015B NM	2794
MB 880-2794/1-A	Method Blank	Total/NA	Solid	8015B NM	2794
LCS 880-2794/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	2794
LCSD 880-2794/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	2794

HPLC/IC

Leach Batch: 2803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-629-1	BH01	Soluble	Solid	DI Leach	
890-629-2	BH01A	Soluble	Solid	DI Leach	
MB 880-2803/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-2803/2-A	Lab Control Sample	Soluble	Solid	DI Leach	

QC Association Summary

Client: WSP USA Inc.
Project/Site: BEU DI 28

Job ID: 890-629-1
SDG: TE012921048

HPLC/IC (Continued)

Leach Batch: 2803 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-2803/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-629-1 MS	BH01	Soluble	Solid	DI Leach	
890-629-1 MSD	BH01	Soluble	Solid	DI Leach	

Analysis Batch: 2806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-629-1	BH01	Soluble	Solid	300.0	2803
890-629-2	BH01A	Soluble	Solid	300.0	2803
MB 880-2803/1-A	Method Blank	Soluble	Solid	300.0	2803
LCS 880-2803/2-A	Lab Control Sample	Soluble	Solid	300.0	2803
LCSD 880-2803/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2803
890-629-1 MS	BH01	Soluble	Solid	300.0	2803
890-629-1 MSD	BH01	Soluble	Solid	300.0	2803

Lab Chronicle

Client: WSP USA Inc.
Project/Site: BEU DI 28

Job ID: 890-629-1
SDG: TE012921048

Client Sample ID: BH01
Date Collected: 05/04/21 14:22
Date Received: 05/05/21 10:35

Lab Sample ID: 890-629-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2756	05/06/21 11:00	KL	XM
Total/NA	Analysis	8021B		1	2758	05/06/21 19:25	KL	XM
Total/NA	Prep	8015NM Prep			2794	05/06/21 16:52	DM	XM
Total/NA	Analysis	8015B NM		1	2814	05/07/21 13:41	AJ	XM
Soluble	Leach	DI Leach			2803	05/06/21 17:18	SC	XM
Soluble	Analysis	300.0		1	2806	05/07/21 09:51	CH	XM

Client Sample ID: BH01A
Date Collected: 05/04/21 14:52
Date Received: 05/05/21 10:35

Lab Sample ID: 890-629-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2756	05/06/21 11:00	KL	XM
Total/NA	Analysis	8021B		1	2758	05/06/21 19:46	KL	XM
Total/NA	Prep	8015NM Prep			2771	05/06/21 11:32	DM	XM
Total/NA	Analysis	8015B NM		1	2795	05/07/21 05:14	AJ	XM
Soluble	Leach	DI Leach			2803	05/06/21 17:18	SC	XM
Soluble	Analysis	300.0		1	2806	05/07/21 10:07	CH	XM

Laboratory References:

XM = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: WSP USA Inc.
Project/Site: BEU DI 28

Job ID: 890-629-1
SDG: TE012921048

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

Method Summary

Client: WSP USA Inc.
Project/Site: BEU DI 28

Job ID: 890-629-1
SDG: TE012921048

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XM
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XM
300.0	Anions, Ion Chromatography	MCAWW	XM
5035	Closed System Purge and Trap	SW846	XM
8015NM Prep	Microextraction	SW846	XM
DI Leach	Deionized Water Leaching Procedure	ASTM	XM

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

XM = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: WSP USA Inc.
Project/Site: BEU DI 28

Job ID: 890-629-1
SDG: TE012921048

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-629-1	BH01	Solid	05/04/21 14:22	05/05/21 10:35	- 0.5
890-629-2	BH01A	Solid	05/04/21 14:52	05/05/21 10:35	- 2

Chain of Custody

XENCO LABORATORIES

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296
Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)

Work Order No: _____

www.xenco.com Page 1 of 1

Project Manager:	Tacoma Morrissey	Bill to: (if different)	Kyle Littrell
Company Name:	WSP USA Inc.	Company Name:	XTO Energy
Address:	3300 North A Street	Address:	3104 E Green Street
City, State ZIP:	Midland, TX 79705	City, State ZIP:	Carlsbad, NM 88220
Phone:	432.236.3849	Email:	luis.delval@wsp.com; tacoma.morrissey@wsp.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	BEU DI 28	Turn Around	
Project Number:	TE012921048	Routine	☒
P.O. Number:	CC:10807501001	Rush:	
Sampler's Name:	Luis Del Val	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Temperature (°C):	5.0/4.6	Thermometer ID	
Received Intact:	(Yes) No		IR-007
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes (No) N/A	Total Containers:	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 0=8021)	Chloride (EPA 300.0)
BH01	S	5/4/2021	1422	0.5'	1	X	X	X
BH01A	S	5/4/2021	1452	2'	1	X	X	X

ANALYSIS REQUEST

890-629 Chain of Custody

Work Order Notes

Incident #
NAPP2103630448
API:
30-015-36455

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		5.5.21 1035	2		
3			4		
5			6		

Revised Date 051418 Rev. 2018.1

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad NM 88220
Phone 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler	Lab PM: Kramer Jessica	Carrier Tracking No(s)	COC No: 890-201 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica kramer@eurofinset.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Louisiana NELAP - Texas		Job #: 890-629-1
Address: 1211 W Florida Ave	Due Date Requested: 5/11/2021			
City: Midland	TAT Requested (days):			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: BEU DI 28	Project #: 89000004			
Site:	SSOW#:			

Analysis Requested

Preservation Codes

A HCL	M Hexane
B NaOH	N None
C Zn Acetate	O AsNaO2
D Nitric Acid	P - Na2O4S
E NaHSO4	Q Na2SO3
F MeOH	R Na2S2O3
G Amchlor	S H2SO4
H Ascorbic Acid	T TSP Dodecahydrate
I Ice	U Acetone
J DI Water	V MCAA
K EDTA	W pH 4-5
L EDA	Z other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_NM/8015NM_S_Prep Full TPH	300_ORGFM_28D/DI_LEACH Chloride	8021B/5035FP_Calc BTEX	Total Number of containers	Special Instructions/Note
			Preservation Code:								
BH01 (890-629-1)	5/4/21	14 22 Mountain		Solid			X	X	X	1	
BH01A (890-629-2)	5/4/21	14 52 Mountain		Solid			X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Date/Time:	Company		Date/Time:	Company
Relinquished by: Ace Cafe 5-5-21			Received by:	5-6-21 11:00am	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks

Ver: 11/01/2020

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-629-1
SDG Number: TE012921048

Login Number: 629
List Number: 1
Creator: Ordonez, Gabby

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-629-1
SDG Number: TE012921048

Login Number: 629
List Number: 2
Creator: Copeland, Tatiana

List Source: Eurofins Midland
List Creation: 05/06/21 11:20 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

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 33388

CONDITIONS

Operator:	OGRID:
XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	5380
	Action Number: 33388
	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 #NAPP2103630448 BEU DI 28 CTB, thank you. This closure is approved.	9/16/2021