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	NRM2012229165
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@xtoenergy.com	Incident # *(assigned by OCD)*
Contact mailing address 522 W. Mermod, Carlsbad, NM 88220	

Location of Release Source

Latitude 32.135955 Longitude -103.988452
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Corral Canyon 212H Gas Lift	Site Type Well Pad
Date Release Discovered 04/17/2020	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
B	16	25S	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) 5.21	Volume Recovered (bbls) 4.1
	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: The scrubber tank had taken excess fluid and overfilled, pushing produced water out of the top. 5.21 bbl PW was spilled, 4.1 bbl recovered. 1.11 bbl PW total impact to pad. A third party contractor has been retained to complete remediation activities.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NRM2012229165
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? N/A
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? N/A	

Initial Response

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

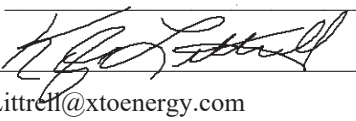
- [x] The source of the release has been stopped.
- [x] The impacted area has been secured to protect human health and the environment.
- [x] Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- [x] All free liquids and recoverable materials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

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

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

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

Printed Name: Kyle Littrell Title: SH&E Supervisor

Signature:  Date: 4-29-20

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

OCD Only

Received by: Ramona Marcus Date: 5/1/2020

NRM2012229165

Location:	Corral Canyon #212 Gas Lift	
Spill Date:	4/17/2020	

Area 1		
Approximate Area =	1268.00	sq. ft.
Average Saturation (or depth) of spill =	0.50	inches
Average Porosity Factor =	0.03	
VOLUME OF LEAK		
Total Produced Water =	4.38	bbls

Area 2		
Approximate Area =	317.00	sq. ft.
Average Saturation (or depth) of spill =	2.00	inches

Average Porosity Factor =	0.03	

VOLUME OF LEAK		
Total Produced Water =	0.28	bbls

Area 3		
Approximate Area =	2480.00	sq. ft.
Average Saturation (or depth) of spill =	0.50	inches

Average Porosity Factor =	0.03	

VOLUME OF LEAK		
Total Produced Water =	0.55	bbls

TOTAL VOLUME OF LEAK		
Total Produced Water =	**5.21**	**bbls**
TOTAL VOLUME RECOVERED		
Total Produced Water =	**4.10**	**bbls**

Incident ID	NRM2012229165
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.

State of New Mexico
Oil Conservation Division

Incident ID	NRM2012229165
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: 6/18/2021

email: Kyle.Littrell@exxonmobil.com Telephone: 432-221-7331

OCD Only

Received by: Date:

Incident ID	NRM2012229165
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: 6-18-2021

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	NRM2012229165
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.

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☒ Description of remediation activities

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Printed Name: Kyle Littrell Title: Environmental Manager

Signature: Date: 6-18-2021

email: Kyle.Littrell@exxonmobil.com Telephone: 432-221-7331

OCD Only

Received by: Robert Hamlet Date: 10/7/2021

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: 10/7/2021

Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

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

July 1, 2021

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

RE: Closure Request Addendum
Corral Canyon 212H Gas Lift
Incident Number NRM2012229165
Eddy County, New Mexico

To Whom it May Concern:

WSP USA Inc. (WSP) on behalf of XTO Energy, Inc. (XTO), presents the following addendum to a Closure Request submitted July 9, 2020. This Addendum provides an update to the depth to groundwater determination and delineation activities completed at the Corral Canyon 212H Gas Lift (Site), located in Unit B, Section 16, Township 25 South, Range 29 East, in Eddy County, New Mexico (Figure 1), in response to the denial of the Closure Request by the New Mexico Oil Conservation Division (NMOCD). In the denial, NMOCD expressed concern that the depth to groundwater assessment and horizontal delineation may not be sufficient. Based on the additional depth to groundwater determination and delineation activities described below, XTO is requesting no further action (NFA) for Incident Number NRM2012229165.

BACKGROUND

On July 9, 2020, WSP submitted a Closure Request to the NMOCD for the April 17, 2020 scrubber tank overflow release of 5.21 barrels (bbls) of produced water onto the well pad. A vacuum truck was immediately dispatched to the Site to recover freestanding fluids; approximately 4.1 bbls of produced water were recovered. XTO reported the release to the NMOCD on a Form C-141 on April 29, 2020 and was subsequently assigned Incident Number NRM2012229165.

The Closure Request detailed site characterization 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). Based on the site characterization, the following Closure Criteria were applied:

- 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 were completed to delineate the lateral and vertical extent of impacted soil resulting from the produced water release at the Site. Based on laboratory analytical results for the delineation soil samples (Figure 2), approximately 22 cubic yards of impacted soil were excavated and transported offsite for disposal. Closure was requested based on laboratory analytical results for the final excavation and delineation soil samples indicating benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria.

On September 25, 2020, NMOCD denied the Closure Request for Incident Number NRM2012229165 for the following reasons:

- *Please continue to horizontally delineate sample points to 600 mg/kg for chlorides and TPH to 100 mg/kg on the outer edges/periphery and include sample points in your next report after closure criteria limits have been met. Surface sample points and sidewalls on the edge of the release need to be delineated to 600 mg/kg for chlorides and 100 mg/kg for TPH for the spill to be horizontally delineated. Generally, the top one foot sample suffices for immediate horizontal evaluation and deeper contamination would likely be identified during actual remediation.*
- *When nearby wells are used to determine depth to groundwater, the wells should be no further than ½ mile away from the site, and data should be no more than 25 years old, and well construction information should be provided. If evidence of depth to ground water within a ½ mile radius of the site cannot be provided, impacted soils will need to meet Table 1 Closure Criteria for ground water at a depth of 50 feet or less.*
    - *If you feel the depth to groundwater is >100', a shallow borehole can be drilled to 101' allowing for verification of the depth. If water is not visible after reaching bottom-hole and waiting 72 hours, the OCD will accept this as evidence. We would just need a copy of the driller's log.*

ADDITIONAL DEPTH TO GROUNDWATER ASSESSMENT ACTIVITIES

In an effort to confirm the depth to groundwater determination, WSP oversaw installation a soil boring within 0.5 miles of the Site utilizing a truck-mounted hollow-stem auger rig. Soil boring C-04503 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 Well Record and Log is included in Attachment 1. The location of the borehole is approximately 402 feet west of the site and is provided 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 borehole was properly abandoned with drill cuttings and hydrated bentonite chips. Based on the confirmed depth to water greater than 110 feet bgs, the Table 1 Closure Criteria identified in the original Closure Request are applicable and appropriate for protection of groundwater at this Site.

ADDITIONAL DELINEATION ACTIVITIES

On May 7, 2021, WSP personnel returned to the Site to collect additional lateral delineation soil samples. Four soil samples (SS05 through SS08) were collected from a depth of 0.5 feet bgs around the release extent to confirm the lateral extent of the release. The soil sample locations and the release extent are depicted on the attached Figure 2. Laboratory analytical results for soil samples SS05 through SS08 indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with Closure Criteria and provided lateral delineation to below the most stringent Table 1 Closure Criteria. The soil sample analytical results are summarized on Table 1 and the complete laboratory analytical reports are included in Attachment 2.

CLOSURE REQUEST

Site assessment and excavation activities were completed at the Site to address the impacted soil resulting from the April 17, 2020 release of produced water at the Site. Based on the confirmed depth to water greater than 100 feet bgs, laboratory analytical results below the Closure Criteria in the delineation and excavation soil samples, and lateral delineation to below the most stringent Table 1 Closure Criteria, XTO respectfully requests no further action for Incident Number NRM2012229165.

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

Sincerely,

WSP USA, INC.

Elizabeth Naka
Assistant Consultant

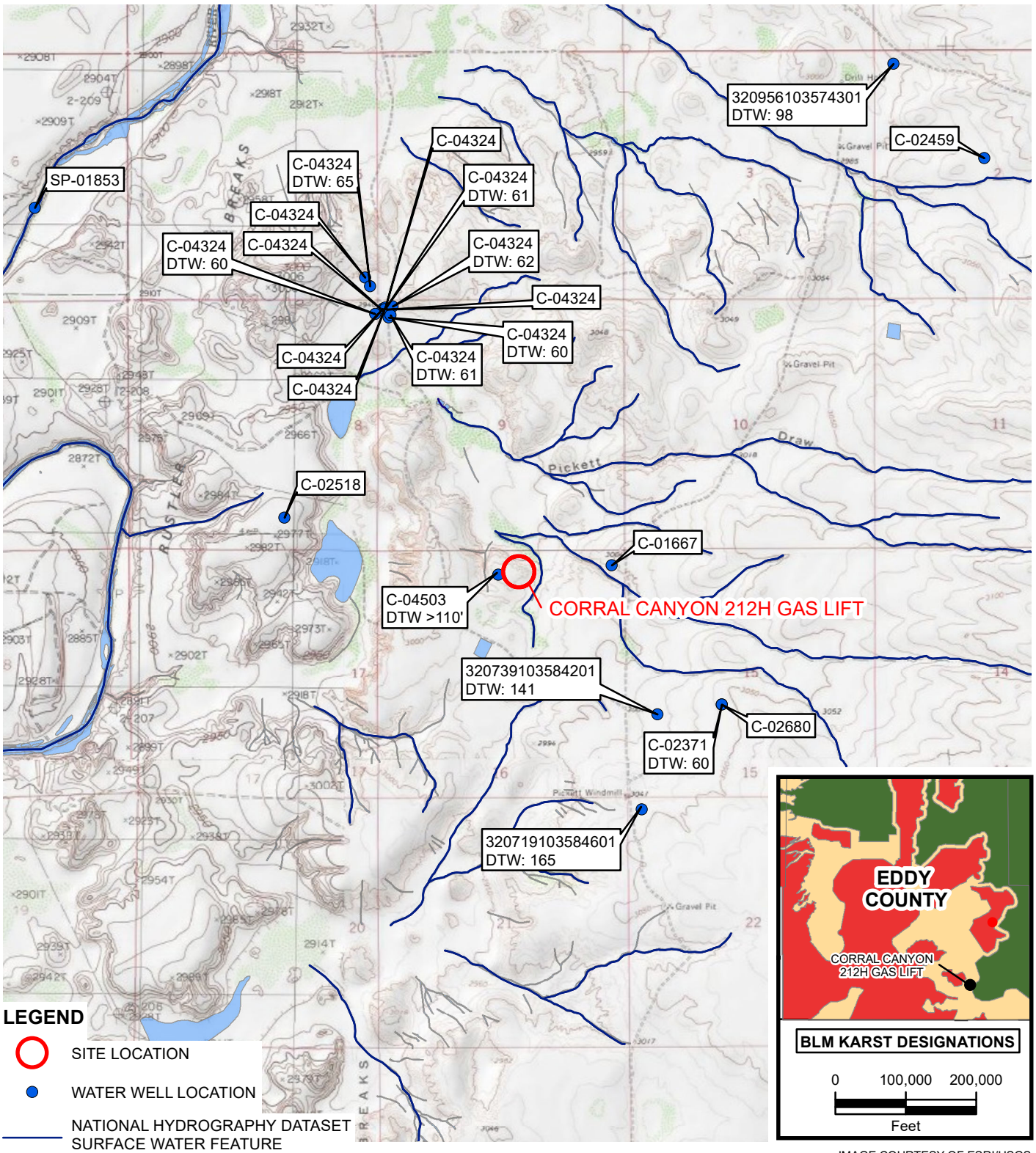
Ashley L. Ager, P.G.
Managing Director, Geologist

cc: Kyle Littrell, XTO
Ryan Mann, New Mexico State Land Office

Attachments:

Figure 1	Site Location Map
Figure 2	Preliminary and Delineation Soil Sample Locations
Figure 3	Excavation and Final Delineation Soil Sample Locations
Table 1	Soil Sample Analytical Results
Attachment 1	Well Record and Log
Attachment 2	Laboratory Analytical Reports

FIGURES



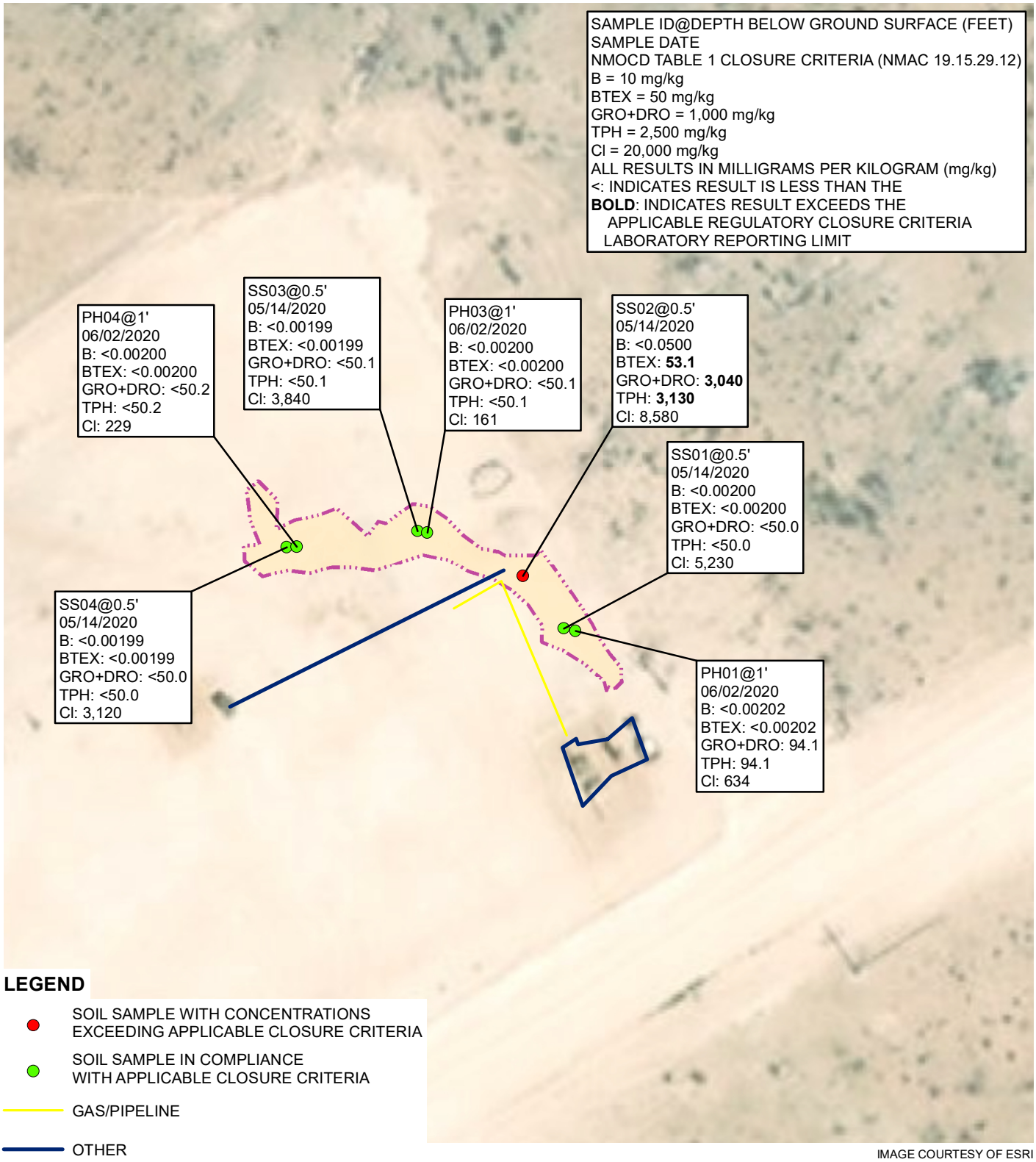
LEGEND

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

NOTE: INCIDENT NUMBER NRM2012229165
DTW: DEPTH TO WATER IN FEET
TD: TOTAL DEPTH IN FEET
BLM: BUREAU OF LAND MANAGEMENT

FIGURE 1
SITE LOCATION MAP
CORRAL CANYON 212H GAS LIFT
UNIT B SEC 16 T25S R29E
EDDY COUNTY, NEW MEXICO
XTO ENERGY, INC.

P:\XTO Energy\GIS\MXD\012920076_CORRAL CANYON 212H GAS LIFT\012920076_FIG01_SL_RECEPTOR_2020.mxd



B: BENZENE
BTEX: TOTAL BENZENE, TOLUENE, ETHYLBENZENE, AND TOTAL XYLENES
GRO: GASOLINE RANGE ORGANICS
DRO: DIESEL RANGE ORGANICS
TPH: TOTAL PETROLEUM HYDROCARBONS
Cl: CHLORIDE
NMAC: NEW MEXICO ADMINISTRATIVE CODE
NMOCD: NEW MEXICO OIL CONSERVATION DIVISION
NOTE: INCIDENT NUMBER NRM2012229165

FIGURE 2
PRELIMINARY AND DELINEATION
SOIL SAMPLE LOCATIONS
CORRAL CANYON 212H GAS LIFT
UNIT B SEC 16 T25S R29E
EDDY COUNTY, NEW MEXICO

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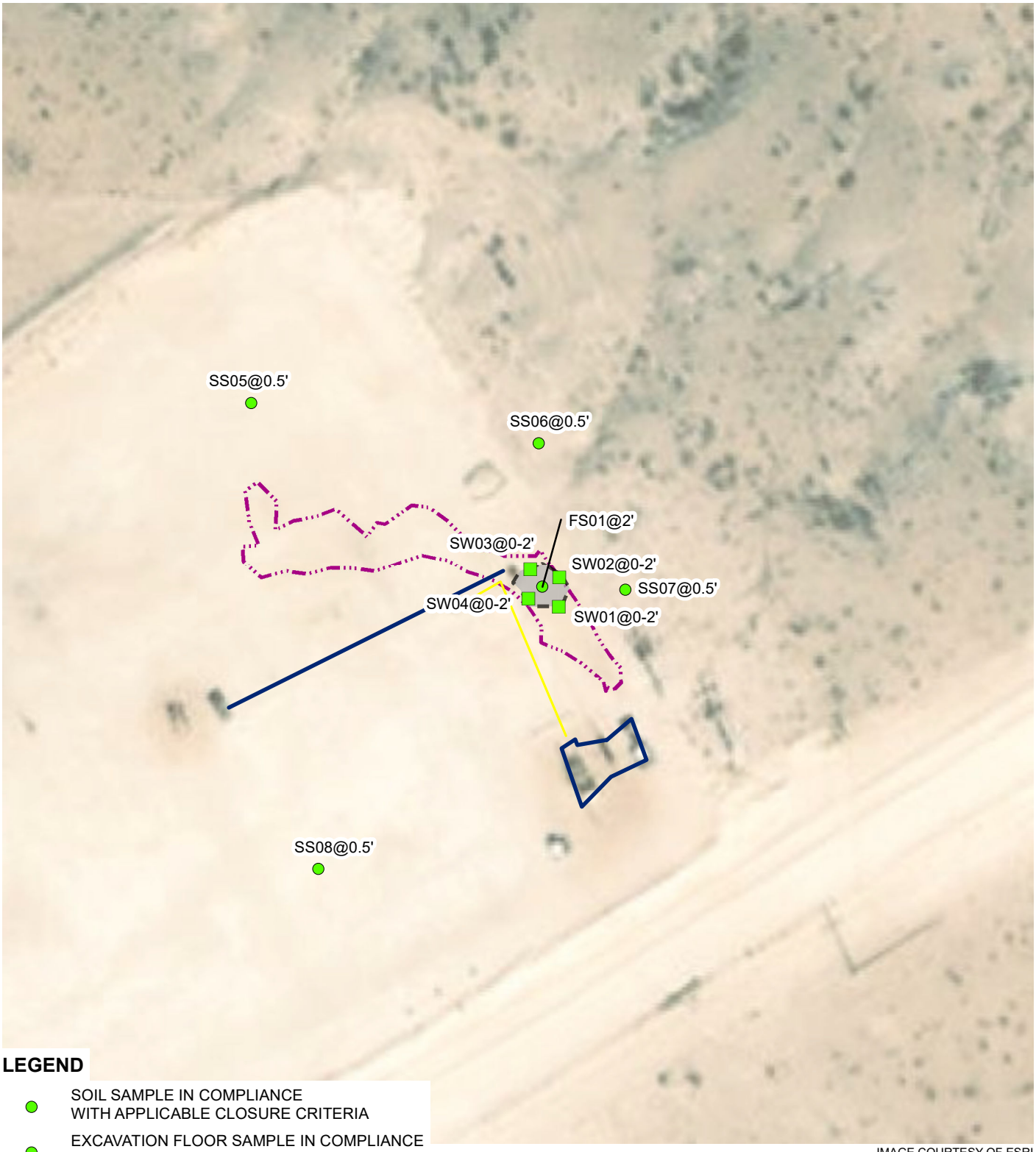

IMAGE COURTESY OF ESRI

LEGEND

- SOIL SAMPLE IN COMPLIANCE WITH APPLICABLE CLOSURE CRITERIA
- EXCAVATION FLOOR SAMPLE IN COMPLIANCE WITH APPLICABLE CLOSURE CRITERIA
- EXCAVATION SIDEWALL SAMPLE IN COMPLIANCE WITH APPLICABLE CLOSURE CRITERIA
- GAS/PIPELINE
- OTHER
- RELEASE EXTENT
- EXCAVATION EXTENT

NOTE: INCIDENT NUMBER NRM2012229165

0 60 120
Feet

N

FIGURE 3
EXCAVATION AND FINAL DELINEATION
SOIL SAMPLE LOCATIONS
CORRAL CANYON 212H GAS LIFT
UNIT B SEC 16 T25S R29E
EDDY COUNTY, NEW MEXICO

wsp

P:\XTO Energy\GIS\MXD\012920076_CORRAL CANYON 212H GAS LIFT\012920076_FIG03_EXCAVATION_2021.mxd

TABLES

Table 1

Soil Analytical Results
Corral Canyon 212H Gas Lift
Incident Number NRM2012229165
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
Surface Samples										
SS01	05/14/2020	0.5	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	5,230
SS02	05/14/2020	0.5	<0.0500	**53.1**	2,680	358	93.0	**3,040**	**3,130**	8,580
SS03	05/14/2020	0.5	<0.00199	<0.00199	<50.1	<50.1	<50.1	<50.1	<50.1	3,840
SS04	05/14/2020	0.5	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	3,120
SS05	05/07/2021	0.5	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	10.5
SS06	05/07/2021	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	41.5
SS07	05/07/2021	0.5	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	13.0
SS08	05/07/2021	0.5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	125
Delineation Samples										
PH01	06/02/2020	1	<0.00202	<0.00202	<49.8	94.1	<49.8	94.1	94.1	634
PH03	06/02/2020	1	<0.00200	<0.00200	<50.1	<50.1	<50.1	<50.1	<50.1	161
PH04	06/02/2020	1	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	229
Excavation Floor Samples										
FS01	06/02/2020	2	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	170
Excavation Sidewall Samples										
SW01	06/02/2020	0 - 2	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	<50.0	10,400
SW02	06/02/2020	0 - 2	<0.00199	<0.00199	<49.9	53.8	<49.9	53.8	53.8	3,470
SW03	06/02/2020	0 - 2	<0.00202	<0.00202	<49.8	<49.8	<49.8	<49.8	<49.8	616
SW04	06/02/2020	0 - 2	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	2,290

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
Greyed data represents samples that were excavated

ATTACHMENT 1: WELL RECORD AND LOG

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-4503 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-4503 Pod1.

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-4503- 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, 8 min, 15.74 sec
Longitude: 103 deg, 59 min, 38.34 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: 12/08/2020

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):

RECEIVED OCD 5/20/2021 8:30:36 AM

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

2021-05-05_4503_OSE_Plugging Record_Corral-forsign

Final Audit Report 2021-05-05

Created:	2021-05-05
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAjFRDmWhOXKue2nhqlrSGS1Z_VeHv0lZy

"2021-05-05_4503_OSE_Plugging Record_Corral-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-4503

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	8	15.74	N
	LONGITUDE	103	59	38.34	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

SWSW S9 T25S 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)
04/19/2021	04/19/2021	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	Caliche, tan, off-white,dry, tan sand m-f grained, well sorted, trace silt	Y ✓ N	
4	41	37	Sand, tan, m-f, well sorted, little caliche gravel, tan, trace silt, low consolidation	Y ✓ N	
41	--	--	Sandy clay, brown, non plastic, non cohesive, no odor, no stain, m-f grained, wel	Y ✓ N	
43	46	5	increase in clay content, low plasticity Claystone,brown, light brown mottling,	Y ✓ N	
46	110	64	Claystone,brown, light brown mottling, cohesive, medium plasticity	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: Corral Canyon 212H. 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

2021-05-05_4503_OSE_Well Record and Log_Corral-forsign

Final Audit Report 2021-05-05

Created:	2021-05-05
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ATTACHMENT 2: LABORATORY ANALYTICAL REPORTS

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-648-1
Laboratory Sample Delivery Group: TE012920076
Client Project/Site: Corral Canyon 212H

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

Attn: Dan Moir

JKramer

Authorized for release by:
5/11/2021 3:57:26 PM

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: Corral Canyon 212H

Laboratory Job ID: 890-648-1
SDG: TE012920076

Table of Contents

Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-648-1
Project/Site: Corral Canyon 212H SDG: TE012920076

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: Corral Canyon 212H

Job ID: 890-648-1
SDG: TE012920076

Job ID: 890-648-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-648-1

Receipt
The samples were received on 5/7/2021 2:22 PM. 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 3.0°C

GC VOA
Method 8021B: Internal standard responses were outside of acceptance limits for the following sample: SS07 (890-648-3). The sample(s) shows evidence of matrix interference.

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: Corral Canyon 212H

Job ID: 890-648-1
SDG: TE012920076

Client Sample ID: SS05

Lab Sample ID: 890-648-1
Matrix: Solid
Date Collected: 05/07/21 11:04
Date Received: 05/07/21 14:22
Sample Depth: - 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/10/21 10:50	05/10/21 17:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/10/21 10:50	05/10/21 17:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/10/21 10:50	05/10/21 17:27	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/10/21 10:50	05/10/21 17:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/10/21 10:50	05/10/21 17:27	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/10/21 10:50	05/10/21 17:27	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		05/10/21 10:50	05/10/21 17:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*05/10/21 10:50*	*05/10/21 17:27*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*05/10/21 10:50*	*05/10/21 17:27*	*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	<49.9	U	49.9		mg/Kg		05/10/21 10:45	05/10/21 19:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/10/21 10:45	05/10/21 19:26	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/10/21 10:45	05/10/21 19:26	1
Total TPH	<49.9	U	49.9		mg/Kg		05/10/21 10:45	05/10/21 19:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*05/10/21 10:45*	*05/10/21 19:26*	*1*
o-Terphenyl	*110*		*70 - 130*	*05/10/21 10:45*	*05/10/21 19:26*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10.5**		5.03		mg/Kg			05/10/21 16:38	1

Client Sample ID: SS06

Lab Sample ID: 890-648-2
Matrix: Solid
Date Collected: 05/07/21 11:10
Date Received: 05/07/21 14:22
Sample Depth: - 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/10/21 10:50	05/10/21 17:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/10/21 10:50	05/10/21 17:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/10/21 10:50	05/10/21 17:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/10/21 10:50	05/10/21 17:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/10/21 10:50	05/10/21 17:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/10/21 10:50	05/10/21 17:48	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		05/10/21 10:50	05/10/21 17:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*05/10/21 10:50*	*05/10/21 17:48*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*05/10/21 10:50*	*05/10/21 17:48*	*1*

Client Sample Results

Client: WSP USA Inc.
Project/Site: Corral Canyon 212H

Job ID: 890-648-1
SDG: TE012920076

Client Sample ID: SS06

Lab Sample ID: 890-648-2

Date Collected: 05/07/21 11:10
Matrix: Solid
Date Received: 05/07/21 14:22
Sample Depth: - 0.5

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/10/21 10:45	05/10/21 19:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/10/21 10:45	05/10/21 19:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/10/21 10:45	05/10/21 19:47	1
Total TPH	<50.0	U	50.0		mg/Kg		05/10/21 10:45	05/10/21 19:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*05/10/21 10:45*	*05/10/21 19:47*	*1*
o-Terphenyl	*114*		*70 - 130*	*05/10/21 10:45*	*05/10/21 19:47*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**41.5**		5.03		mg/Kg			05/10/21 16:43	1

Client Sample ID: SS07

Lab Sample ID: 890-648-3

Date Collected: 05/07/21 11:16
Matrix: Solid
Date Received: 05/07/21 14:22
Sample Depth: - 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/10/21 14:00	05/10/21 18:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/10/21 14:00	05/10/21 18:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/10/21 14:00	05/10/21 18:08	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/10/21 14:00	05/10/21 18:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/10/21 14:00	05/10/21 18:08	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/10/21 14:00	05/10/21 18:08	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		05/10/21 14:00	05/10/21 18:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*05/10/21 14:00*	*05/10/21 18:08*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*05/10/21 14:00*	*05/10/21 18:08*	*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	<49.9	U	49.9		mg/Kg		05/10/21 10:45	05/10/21 20:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/10/21 10:45	05/10/21 20:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/10/21 10:45	05/10/21 20:08	1
Total TPH	<49.9	U	49.9		mg/Kg		05/10/21 10:45	05/10/21 20:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*05/10/21 10:45*	*05/10/21 20:08*	*1*
o-Terphenyl	*114*		*70 - 130*	*05/10/21 10:45*	*05/10/21 20:08*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.0**		4.97		mg/Kg			05/10/21 16:48	1

Surrogate Summary

Client: WSP USA Inc.
Project/Site: Corral Canyon 212H

Job ID: 890-648-1
SDG: TE012920076

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)										
890-648-1	SS05	110	101										
890-648-2	SS06	111	100										
890-648-3	SS07	119	95										

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)										
890-648-1	SS05	106	110										
890-648-2	SS06	107	114										
890-648-3	SS07	104	114										
LCS 880-2896/2-A	Lab Control Sample	115	110										
LCSD 880-2896/3-A	Lab Control Sample Dup	111	109										
MB 880-2896/1-A	Method Blank	115	119										

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: WSP USA Inc.
Project/Site: Corral Canyon 212H

Job ID: 890-648-1
SDG: TE012920076

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

Lab Sample ID: MB 880-2896/1-A
Matrix: Solid
Analysis Batch: 2879

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 2896

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		05/10/21 10:45	05/10/21 12:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/10/21 10:45	05/10/21 12:51	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/10/21 10:45	05/10/21 12:51	1
Total TPH	<50.0	U	50.0		mg/Kg		05/10/21 10:45	05/10/21 12:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*05/10/21 10:45*	*05/10/21 12:51*	*1*
o-Terphenyl	*119*		*70 - 130*	*05/10/21 10:45*	*05/10/21 12:51*	*1*

Lab Sample ID: LCS 880-2896/2-A
Matrix: Solid
Analysis Batch: 2879

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 2896

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	967.1		mg/Kg		97	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1159		mg/Kg		116	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*115*		*70 - 130*
o-Terphenyl	*110*		*70 - 130*

Lab Sample ID: LCSD 880-2896/3-A
Matrix: Solid
Analysis Batch: 2879

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 2896

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	938.1		mg/Kg		94	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	1126		mg/Kg		113	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*111*		*70 - 130*
o-Terphenyl	*109*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-2873/1-A
Matrix: Solid
Analysis Batch: 2921

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/10/21 14:20	1

QC Sample Results

Client: WSP USA Inc.
Project/Site: Corral Canyon 212H

Job ID: 890-648-1
SDG: TE012920076

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-2873/2-A
Matrix: Solid
Analysis Batch: 2921

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	240.7		mg/Kg		96	90 - 110		

Lab Sample ID: LCSD 880-2873/3-A
Matrix: Solid
Analysis Batch: 2921

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	245.3		mg/Kg		98	90 - 110	2	20

QC Association Summary

Client: WSP USA Inc. Job ID: 890-648-1
Project/Site: Corral Canyon 212H SDG: TE012920076

GC VOA

Analysis Batch: 2884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-648-1	SS05	Total/NA	Solid	8021B	2886
890-648-2	SS06	Total/NA	Solid	8021B	2886
890-648-3	SS07	Total/NA	Solid	8021B	2886

Prep Batch: 2886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-648-1	SS05	Total/NA	Solid	5035	
890-648-2	SS06	Total/NA	Solid	5035	
890-648-3	SS07	Total/NA	Solid	5035	

GC Semi VOA

Analysis Batch: 2879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-648-1	SS05	Total/NA	Solid	8015B NM	2896
890-648-2	SS06	Total/NA	Solid	8015B NM	2896
890-648-3	SS07	Total/NA	Solid	8015B NM	2896
MB 880-2896/1-A	Method Blank	Total/NA	Solid	8015B NM	2896
LCS 880-2896/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	2896
LCSD 880-2896/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	2896

Prep Batch: 2896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-648-1	SS05	Total/NA	Solid	8015NM Prep	
890-648-2	SS06	Total/NA	Solid	8015NM Prep	
890-648-3	SS07	Total/NA	Solid	8015NM Prep	
MB 880-2896/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-2896/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-2896/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 2873

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-648-1	SS05	Soluble	Solid	DI Leach	
890-648-2	SS06	Soluble	Solid	DI Leach	
890-648-3	SS07	Soluble	Solid	DI Leach	
MB 880-2873/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-2873/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-2873/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 2921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-648-1	SS05	Soluble	Solid	300.0	2873
890-648-2	SS06	Soluble	Solid	300.0	2873
890-648-3	SS07	Soluble	Solid	300.0	2873
MB 880-2873/1-A	Method Blank	Soluble	Solid	300.0	2873
LCS 880-2873/2-A	Lab Control Sample	Soluble	Solid	300.0	2873
LCSD 880-2873/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2873

Lab Chronicle

Client: WSP USA Inc. Job ID: 890-648-1
Project/Site: Corral Canyon 212H SDG: TE012920076

Client Sample ID: SS05 Lab Sample ID: 890-648-1

Date Collected: 05/07/21 11:04 **Matrix: Solid**
Date Received: 05/07/21 14:22

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2886	05/10/21 10:50	MR	XM
Total/NA	Analysis	8021B		1	2884	05/10/21 17:27	MR	XM
Total/NA	Prep	8015NM Prep			2896	05/10/21 10:45	AM	XM
Total/NA	Analysis	8015B NM		1	2879	05/10/21 19:26	AJ	XM
Soluble	Leach	DI Leach			2873	05/08/21 13:31	SC	XM
Soluble	Analysis	300.0		1	2921	05/10/21 16:38	CH	XM

Client Sample ID: SS06 Lab Sample ID: 890-648-2

Date Collected: 05/07/21 11:10 **Matrix: Solid**
Date Received: 05/07/21 14:22

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2886	05/10/21 10:50	MR	XM
Total/NA	Analysis	8021B		1	2884	05/10/21 17:48	MR	XM
Total/NA	Prep	8015NM Prep			2896	05/10/21 10:45	AM	XM
Total/NA	Analysis	8015B NM		1	2879	05/10/21 19:47	AJ	XM
Soluble	Leach	DI Leach			2873	05/08/21 13:31	SC	XM
Soluble	Analysis	300.0		1	2921	05/10/21 16:43	CH	XM

Client Sample ID: SS07 Lab Sample ID: 890-648-3

Date Collected: 05/07/21 11:16 **Matrix: Solid**
Date Received: 05/07/21 14:22

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2886	05/10/21 14:00	MR	XM
Total/NA	Analysis	8021B		1	2884	05/10/21 18:08	MR	XM
Total/NA	Prep	8015NM Prep			2896	05/10/21 10:45	AM	XM
Total/NA	Analysis	8015B NM		1	2879	05/10/21 20:08	AJ	XM
Soluble	Leach	DI Leach			2873	05/08/21 13:31	SC	XM
Soluble	Analysis	300.0		1	2921	05/10/21 16:48	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: Corral Canyon 212H

Job ID: 890-648-1
SDG: TE012920076

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: Corral Canyon 212H

Job ID: 890-648-1
SDG: TE012920076

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: Corral Canyon 212H

Job ID: 890-648-1
SDG: TE012920076

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-648-1	SS05	Solid	05/07/21 11:04	05/07/21 14:22	- 0.5
890-648-2	SS06	Solid	05/07/21 11:10	05/07/21 14:22	- 0.5
890-648-3	SS07	Solid	05/07/21 11:16	05/07/21 14:22	- 0.5

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: _____

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Project Manager:	Aimee Cole	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; aimee.cole@wsp.com

Work Order Comments

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

Project Name:	Corral Canyon 212H	Turn Around	
Project Number:	TE012920076	Routine	☑
P.O. Number:	Cost Center: 1589941001	Rush:	
Sampler's Name:	Luis Del Val	Due Date:	

SAMPLE RECEIPT				
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No	
Temperature (°C):	3.2	Thermometer ID		
Received Intact:	(Yes) No	T-NM-007		
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	3.0	
Sample Custody Seals:	Yes No (N/A)	Total Containers:		

ANALYSIS REQUEST

890-648 Chain of Custody

Work Order Notes

Incident ID: NRM2012229165
API: 30-015-45427

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 0=8021)	Chloride (EPA 300.0)	Sample Comments
SS05	S	5/7/2021	1104	0.5	1	X	X	X	
SS06	S	5/7/2021	1110	0.5	1	X	X	X	
SS07	S	5/7/2021	1116	0.5	1	X	X	X	

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

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		5.7.21 / 14:15	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: 890-209 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 #: 890-648-1
Address: 1211 W Florida Ave	Due Date Requested: 5/13/2021			
City: Midland	TAT Requested (days):			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Corral Canyon 212H	Project #: 89000004			
Site:	SSOW#:			

Analysis Requested

Preservation Codes

A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, 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:								
SS05 (890-648-1)	5/7/21	11 04 Mountain		Solid			X	X	X	1	
SS06 (890-648-2)	5/7/21	11 10 Mountain		Solid			X	X	X	1	
SS07 (890-648-3)	5/7/21	11 16 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:

Relinquished by: Cle Cleft 5 7 21	Date/Time:	Company	Received by:	Date/Time: 5-10-21 11:30am	Company
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: 890-648-1
SDG Number: TE012920076

Login Number: 648
List Number: 1
Creator: Clifton, Cloe

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: 890-648-1
SDG Number: TE012920076

Login Number: 648
List Number: 2
Creator: Copeland, Tatiana

List Source: Eurofins Midland
List Creation: 05/10/21 10:49 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	

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ANALYTICAL REPORT

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

Laboratory Job ID: 890-647-1
Laboratory Sample Delivery Group: TE012920076
Client Project/Site: Corral Canyon 212H

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

Attn: Dan Moir

JKramer

Authorized for release by:
5/11/2021 3:55:59 PM

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: Corral Canyon 212H

Laboratory Job ID: 890-647-1
SDG: TE012920076

Table of Contents

Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-647-1
Project/Site: Corral Canyon 212H SDG: TE012920076

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: Corral Canyon 212H

Job ID: 890-647-1
SDG: TE012920076

Job ID: 890-647-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-647-1

Receipt
The sample was received on 5/7/2021 2:15 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.0°C

Receipt Exceptions
The following samples analyzed for method BTEX 8021 were received and analyzed from an unpreserved bulk soil jar: SS08 (890-647-1).

GC VOA
Method 8021B: Internal standard responses were outside of acceptance limits for the following sample: SS08 (890-647-1). The sample(s) shows evidence of matrix interference.

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: Corral Canyon 212H

Job ID: 890-647-1
SDG: TE012920076

Client Sample ID: SS08

Date Collected: 05/07/21 11:44
Date Received: 05/07/21 14:15
Sample Depth: - 0.5

Lab Sample ID: 890-647-1

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/10/21 10:50	05/10/21 17:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/10/21 10:50	05/10/21 17:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/10/21 10:50	05/10/21 17:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/10/21 10:50	05/10/21 17:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/10/21 10:50	05/10/21 17:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/10/21 10:50	05/10/21 17:07	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		05/10/21 10:50	05/10/21 17:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*05/10/21 10:50*	*05/10/21 17:07*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*05/10/21 10:50*	*05/10/21 17:07*	*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	<49.9	U	49.9		mg/Kg		05/10/21 10:45	05/10/21 19:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/10/21 10:45	05/10/21 19:06	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/10/21 10:45	05/10/21 19:06	1
Total TPH	<49.9	U	49.9		mg/Kg		05/10/21 10:45	05/10/21 19:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*05/10/21 10:45*	*05/10/21 19:06*	*1*
o-Terphenyl	*116*		*70 - 130*	*05/10/21 10:45*	*05/10/21 19:06*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**125**		5.03		mg/Kg			05/10/21 16:33	1

Surrogate Summary

Client: WSP USA Inc.
Project/Site: Corral Canyon 212H

Job ID: 890-647-1
SDG: TE012920076

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)
890-647-1	SS08	113	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)
890-647-1	SS08	107	116
LCS 880-2896/2-A	Lab Control Sample	115	110
LCSD 880-2896/3-A	Lab Control Sample Dup	111	109
MB 880-2896/1-A	Method Blank	115	119

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: WSP USA Inc.
Project/Site: Corral Canyon 212H

Job ID: 890-647-1
SDG: TE012920076

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

Lab Sample ID: MB 880-2896/1-A
Matrix: Solid
Analysis Batch: 2879

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 2896

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		05/10/21 10:45	05/10/21 12:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/10/21 10:45	05/10/21 12:51	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/10/21 10:45	05/10/21 12:51	1
Total TPH	<50.0	U	50.0		mg/Kg		05/10/21 10:45	05/10/21 12:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*05/10/21 10:45*	*05/10/21 12:51*	*1*
o-Terphenyl	*119*		*70 - 130*	*05/10/21 10:45*	*05/10/21 12:51*	*1*

Lab Sample ID: LCS 880-2896/2-A
Matrix: Solid
Analysis Batch: 2879

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 2896

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	967.1		mg/Kg		97	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1159		mg/Kg		116	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*115*		*70 - 130*
o-Terphenyl	*110*		*70 - 130*

Lab Sample ID: LCSD 880-2896/3-A
Matrix: Solid
Analysis Batch: 2879

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 2896

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	938.1		mg/Kg		94	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	1126		mg/Kg		113	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*111*		*70 - 130*
o-Terphenyl	*109*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-2873/1-A
Matrix: Solid
Analysis Batch: 2921

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/10/21 14:20	1

QC Sample Results

Client: WSP USA Inc. Job ID: 890-647-1
Project/Site: Corral Canyon 212H SDG: TE012920076

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-2873/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 2921

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	240.7		mg/Kg		96	90 - 110		

Lab Sample ID: LCSD 880-2873/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 2921

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	245.3		mg/Kg		98	90 - 110	2	20

QC Association Summary

Client: WSP USA Inc. Job ID: 890-647-1
Project/Site: Corral Canyon 212H SDG: TE012920076

GC VOA

Analysis Batch: 2884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-647-1	SS08	Total/NA	Solid	8021B	2886

Prep Batch: 2886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-647-1	SS08	Total/NA	Solid	5035	

GC Semi VOA

Analysis Batch: 2879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-647-1	SS08	Total/NA	Solid	8015B NM	2896
MB 880-2896/1-A	Method Blank	Total/NA	Solid	8015B NM	2896
LCS 880-2896/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	2896
LCSD 880-2896/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	2896

Prep Batch: 2896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-647-1	SS08	Total/NA	Solid	8015NM Prep	
MB 880-2896/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-2896/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-2896/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 2873

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-647-1	SS08	Soluble	Solid	DI Leach	
MB 880-2873/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-2873/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-2873/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 2921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-647-1	SS08	Soluble	Solid	300.0	2873
MB 880-2873/1-A	Method Blank	Soluble	Solid	300.0	2873
LCS 880-2873/2-A	Lab Control Sample	Soluble	Solid	300.0	2873
LCSD 880-2873/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2873

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Corral Canyon 212H

Job ID: 890-647-1
SDG: TE012920076

Client Sample ID: SS08

Date Collected: 05/07/21 11:44
Date Received: 05/07/21 14:15

Lab Sample ID: 890-647-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2886	05/10/21 10:50	MR	XM
Total/NA	Analysis	8021B		1	2884	05/10/21 17:07	MR	XM
Total/NA	Prep	8015NM Prep			2896	05/10/21 10:45	AM	XM
Total/NA	Analysis	8015B NM		1	2879	05/10/21 19:06	AJ	XM
Soluble	Leach	DI Leach			2873	05/08/21 13:31	SC	XM
Soluble	Analysis	300.0		1	2921	05/10/21 16:33	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: Corral Canyon 212H

Job ID: 890-647-1
SDG: TE012920076

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: Corral Canyon 212H

Job ID: 890-647-1
SDG: TE012920076

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: Corral Canyon 212H

Job ID: 890-647-1
SDG: TE012920076

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-647-1	SS08	Solid	05/07/21 11:44	05/07/21 14:15	- 0.5

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:	Aimee Cole	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; aimee.cole@wsp.com

Work Order Comments

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

Project Name:	Corral Canyon 212H	Turn Around	
Project Number:	TE012920076	Routine	☑
P.O. Number:	Cost Center: 1589941001	Rush:	
Sampler's Name:	Luis Del Val	Due Date:	

SAMPLE RECEIPT				
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No	
Temperature (°C):	3.2	Thermometer ID		
Received Intact:	(Yes) No	T-NM-007		
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	3.0	
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)
SS08	S	5/7/2021	1144	0.5	1	X	X	X

ANALYSIS REQUEST

890-647 Chain of Custody

Work Order Notes

Incident ID: NRM2012229165
API: 30-015-45427

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

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		5.7.21 14:15	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: 890-209 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 #: 890-647-1
Address: 1211 W Florida Ave	Due Date Requested: 5/13/2021			
City: Midland	TAT Requested (days):			
State Zip: TX 79701	PO #			
Phone: 432-704-5440(Tel)	WO #:			
Email	Project #: 89000004			
Project Name: Corral Canyon 212H	SSOW#:			
Site:				

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:								
SS08 (890-647-1)	5/7/21	11 44 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:

Relinquished by: Courier 5-7-21	Date/Time:	Company	Received by:	Date/Time: 5-10-21 11:30 am	Company
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: 890-647-1
SDG Number: TE012920076

Login Number: 647
List Number: 1
Creator: Clifton, Cloe

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: 890-647-1
SDG Number: TE012920076

Login Number: 647
List Number: 2
Creator: Copeland, Tatiana

List Source: Eurofins Midland
List Creation: 05/10/21 10:49 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 37436

CONDITIONS

Operator:	OGRID:
XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	5380
	Action Number: 37436
	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 #NRM2012229165 CORRAL CANYON 212H GAS LIFT, thank you. This closure is approved.	10/7/2021