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

March 19, 2021

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

RE: Closure Request
Bronco CDP
Incident Number nAPP2100546416
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 Bronco CDP (Site) in Unit E, Section 19, Township 23 South, Range 30 East, in Eddy County, New Mexico (Figure 1). The purpose of the site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following a fire 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 nAPP2100546416.

RELEASE BACKGROUND

On December 22, 2020, a mechanic identified a burnt area above the pressure relief valve (PRV) on the glycol contactor vessel. The burnt area on the vessel indicated that gas from the PRV caught fire and then extinguished itself after the PRV reseated. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) via email on December 23, 2020 and subsequently submitted a Release Notification and Corrective Action Form C-141 (Form C-141) on January 5, 2021. The release was assigned Incident Number nAPP2100546416.

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 between 50 and 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 Survey (USGS) well 321742103552601, located approximately 0.26 miles northeast of the Site. The groundwater well was most recently measured in May 1993 has a reported depth to groundwater of 66 feet bgs and a total depth of 100 feet bgs. Ground surface elevation at the groundwater well location is 3,034 feet above mean sea level (amsl), which is approximately 17 feet higher in elevation than

the Site. There are three additional groundwater wells within a 2-mile radius of the Site that indicate regional depth to groundwater is between 50 and 100 feet bgs. All wells used for depth to groundwater determination are depicted on Figure 1. The referenced well records are included in Attachment 1.

The closest continuously flowing or significant watercourse to the Site is an unnamed dry wash located approximately 0.23 miles northeast of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, or church. 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 underlain by unstable geology (high 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
- TPH: 100 mg/kg
- Chloride: 600 mg/kg

SITE ASSESSMENT ACTIVITIES AND ANALYTICAL RESULTS

On February 1, 2021, WSP personnel visited the Site to evaluate the release based on information provided on the Form C-141 and visual observations. WSP personnel collected two soil samples (SS01 and SS02) from a depth of 0.5 feet bgs in the area beneath the vessel where the fire occurred to assess for the presence or absence of impacted soil. The soil samples were field screened for volatile aromatic hydrocarbons and chloride utilizing a calibrated photoionization detector (PID) and Hach® chloride QuanTab® test strips, respectively. The release area and soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation was conducted during the Site visit. A photographic log is included in Attachment 2.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported at or below 4 degrees Celsius (°C) under strict chain-of-custody (COC) procedures to Eurofins Laboratories (Eurofins) in Carlsbad, New Mexico, for analysis of BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

SOIL ANALYTICAL RESULTS

Laboratory analytical results for soil samples SS01 and SS02 indicated that benzene, BTEX, TPH, and chloride concentrations were compliant with the Closure Criteria. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical report is included as Attachment 3.

CLOSURE REQUEST

Soil samples SS01 and SS02 were collected from the area beneath the vessel where the fire occurred to assess for the presence or absence of soil impacts resulting from the December 22, 2020 fire. Laboratory analytical results for the soil samples indicated that benzene, BTEX, TPH, and chloride concentrations were compliant with the Closure Criteria.

Based on soil sample laboratory analytical results compliant with the Closure Criteria, no impacted soil was identified, and no excavation was warranted as a result of the fire. As such, XTO respectfully requests no further action for Incident Number nAPP2100546416. If you have any questions or comments, please do not hesitate to contact Ms. Ashley Ager at (970) 385-1096.

Sincerely,

WSP USA Inc.

Kalei Jennings
Associate Consultant

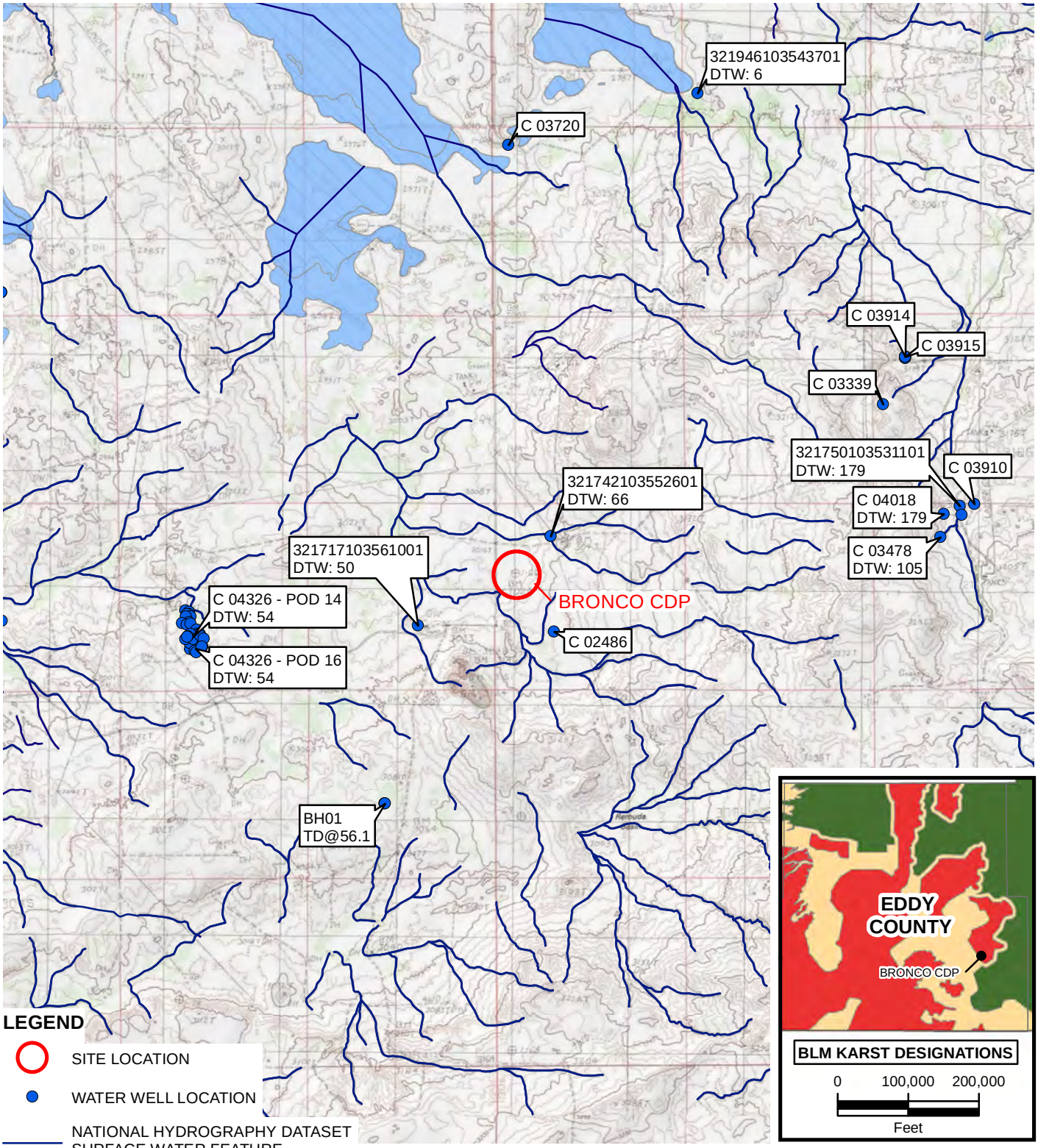
Ashley L. Ager, P.G.
Managing Director, Geologist

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

Attachments:

Figure 1	Site Location Map
Figure 2	Soil Sample Locations
Table 1	Soil Analytical Results
Attachment 1	Referenced Well Records
Attachment 2	Photographic Log
Attachment 3	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

DTW: DEPTH TO WATER IN FEET
BLM: BUREAU OF LAND MANAGEMENT
TD: TOTAL DEPTH IN FEET
NOTE: INCIDENT NUMBER NAPP2100546416

FIGURE 1
SITE LOCATION MAP
BRONCO CDP
UNIT E SEC 19 T23S R30E
EDDY COUNTY, NEW MEXICO
XTO ENERGY, INC

P:\XTO Energy\GIS\MXD\012921014_BRONCO CDP\012921014_FIG01_SL_RECEPTOR_2021.mxd

IMAGE COURTESY OF ESRI

LEGEND

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

0 30 60
Feet

N

B: BENZENE
BTEX: TOTAL BENZENE, TOLUENE, ETHYLBENZENE, AND TOTAL XYLENES
TPH: TOTAL PETROLEUM HYDROCARBONS
Cl: CHLORIDE
NMAC: NEW MEXICO ADMINISTRATIVE CODE
NMOCD: NEW MEXICO OIL CONSERVATION DIVISION
NOTE: INCIDENT NUMBER NAPP2100546416

FIGURE 2
SOIL SAMPLE LOCATIONS
BRONCO CDP
UNIT E SEC 19 T23S R30E
EDDY COUNTY, NEW MEXICO
XTO ENERGY, INC.

P:\XTO Energy\GIS\MXD\012921014_BRONCO CDP\012921014_FIG02_SS_LOC_2021.mxd

TABLES

Table 1

Soil Analytical Results
Bronco CDP
Incident Number nAPP2100546416
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	NE	**100**	**600**
Soil Samples										
SS01	02/01/2021	0.5	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	<50.0	376
SS02	02/01/2021	0.5	<0.00202	<0.00202	<49.9	<49.9	<49.9	<49.9	<49.9	28.2

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

ATTACHMENT 1: REFERENCED WELL RECORD

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: United States | GO

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Search Results -- 1 sites found

site_no list =

- 321742103552601

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

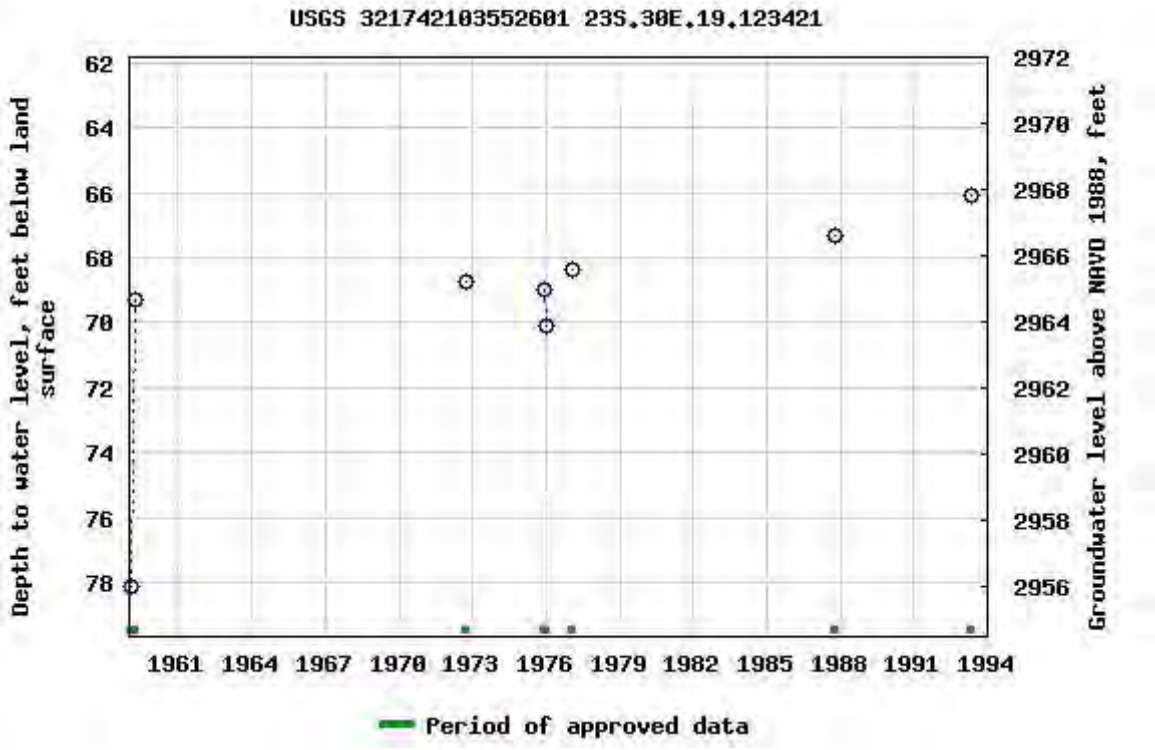
USGS 321742103552601 23S.30E.19.123421

Available data for this site | Groundwater: Field measurements | GO

Eddy County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°17'42", Longitude 103°55'26" NAD27
Land-surface elevation 3,034 feet above NAVD88
The depth of the well is 100 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



Breaks in the plot represent a gap of at least one year between field measurements.
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Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2021-03-18 14:26:59 EDT
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Agency code = usgs
site_no list =
- 321742103552601

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 321742103552601 23S.30E.19.123421

Eddy County, New Mexico
Latitude 32°17'42", Longitude 103°55'26" NAD27
Land-surface elevation 3,034 feet above NAVD88
The depth of the well is 100 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1959-02-06		D	62610		2954.29	NGVD29	3	Z		
1959-02-06		D	62611		2955.90	NAVD88	3	Z		
1959-02-06		D	72019	78.10			3	Z		
1959-04-07		D	62610		2963.09	NGVD29	1	Z		
1959-04-07		D	62611		2964.70	NAVD88	1	Z		
1959-04-07		D	72019	69.30			1	Z		
1972-09-20		D	62610		2963.64	NGVD29	1	Z		
1972-09-20		D	62611		2965.25	NAVD88	1	Z		
1972-09-20		D	72019	68.75			1	Z		
1975-12-09		D	62610		2963.40	NGVD29	1	Z		
1975-12-09		D	62611		2965.01	NAVD88	1	Z		
1975-12-09		D	72019	68.99			1	Z		
1976-01-15		D	62610		2962.29	NGVD29	1	Z		
1976-01-15		D	62611		2963.90	NAVD88	1	Z		
1976-01-15		D	72019	70.10			1	Z		
1977-01-19		D	62610		2963.99	NGVD29	1	Z		
1977-01-19		D	62611		2965.60	NAVD88	1	Z		

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1977-01-19		D	72019	68.40			1	Z		
1987-10-14		D	62610		2965.07	NGVD29	1	Z		
1987-10-14		D	62611		2966.68	NAVD88	1	Z		
1987-10-14		D	72019	67.32			1	Z		
1993-05-06		D	62610		2966.29	NGVD29	1	S		
1993-05-06		D	62611		2967.90	NAVD88	1	S		
1993-05-06		D	72019	66.10			1	S		

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	3	Above
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: United States | GO

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site_no list =

- 321717103561001

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

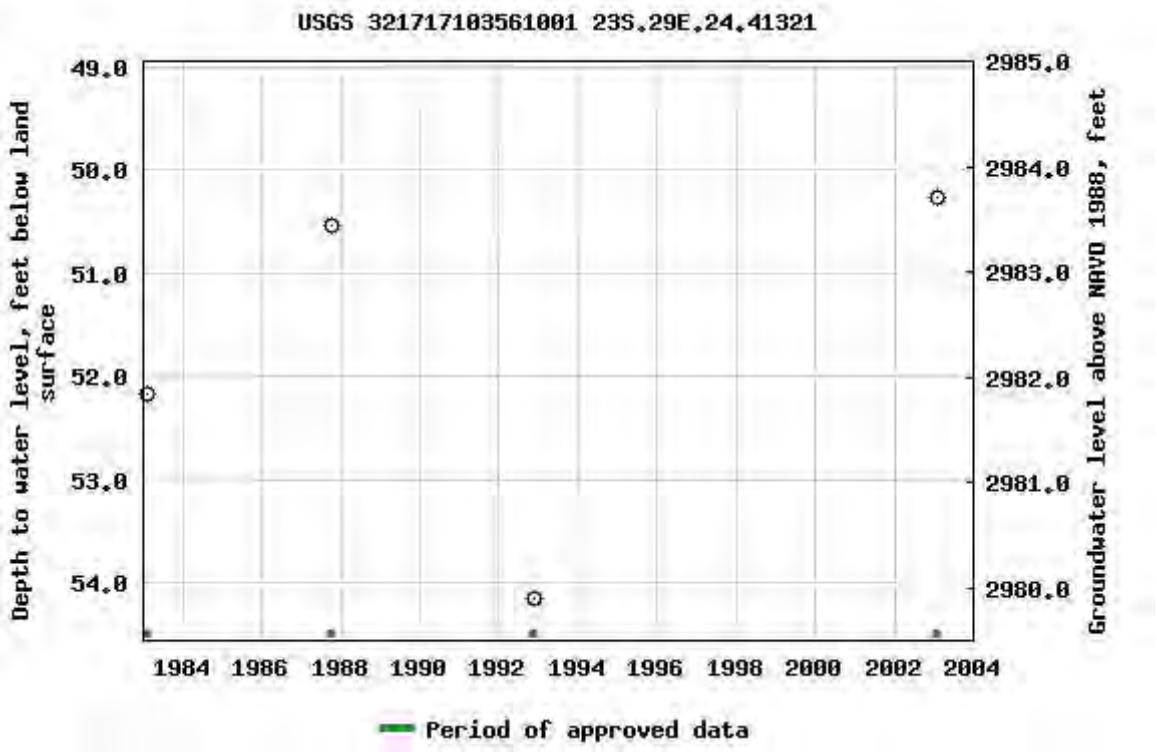
USGS 321717103561001 23S.29E.24.41321

Available data for this site | Groundwater: Field measurements | GO

Eddy County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°17'17", Longitude 103°56'10" NAD27
Land-surface elevation 3,034 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



Breaks in the plot represent a gap of at least one year between field measurements.
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Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2021-03-18 14:54:25 EDT
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Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 321717103561001

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 321717103561001 23S.29E.24.41321

Eddy County, New Mexico
Latitude 32°17'17", Longitude 103°56'10" NAD27
Land-surface elevation 3,034 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1983-02-02		D	62610		2980.24	NGVD29	1	Z		
1983-02-02		D	62611		2981.83	NAVD88	1	Z		
1983-02-02		D	72019	52.17			1	Z		
1987-10-14		D	62610		2981.87	NGVD29	1	Z		
1987-10-14		D	62611		2983.46	NAVD88	1	Z		
1987-10-14		D	72019	50.54			1	Z		
1992-11-16		D	62610		2978.27	NGVD29	1	S		
1992-11-16		D	62611		2979.86	NAVD88	1	S		
1992-11-16		D	72019	54.14			1	S		
2003-01-29		D	62610		2982.15	NGVD29	1	S	USGS	
2003-01-29		D	62611		2983.74	NAVD88	1	S	USGS	
2003-01-29		D	72019	50.26			1	S	USGS	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

New Mexico Office of the State Engineer
Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 04326 POD14	4	2	3	23	23S	29E	598191	3572765

Driller License: 1664 **Driller Company:** CASCADE DRILLING, LP

Driller Name: CAIN, SHAWN N.NJR.L.NER

Drill Start Date: 05/11/2019 **Drill Finish Date:** 05/11/2019 **Plug Date:**

Log File Date: 08/28/2019 **PCW Rcv Date:** **Source:** Shallow

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

Casing Size: 2.06 **Depth Well:** 58 feet **Depth Water:** 54 feet

Water Bearing Stratifications:	Top	Bottom	Description
	45	54	Shale/Mudstone/Siltstone

Casing Perforations:	Top	Bottom
	48	58

New Mexico Office of the State Engineer
Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 04326 POD16	2	4	3	23	23S	29E	598209	3572664

Driller License: 1664 **Driller Company:** CASCADE DRILLING, LP

Driller Name: CAIN, SHAWN N.NJR.L.NER

Drill Start Date: 05/14/2019 **Drill Finish Date:** 05/14/2019 **Plug Date:**

Log File Date: 08/28/2019 **PCW Rcv Date:** **Source:** Shallow

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

Casing Size: 2.07 **Depth Well:** 64 feet **Depth Water:** 54 feet

Water Bearing Stratifications:	Top	Bottom	Description
	52	60	Limestone/Dolomite/Chalk

Casing Perforations:	Top	Bottom
	54	64

ATTACHMENT 2: PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG		
XTO Energy, Inc.	**Bronco CDP** **Eddy County, New Mexico**	**[Project No.]** TE012921014

Photo No.	**Date**
1	February 1, 2021

View of release on pad facing South.

Photo No.	**Date**
2	February 1, 2021

View of location of soil sample.

ATTACHMENT 3: LABORATORY ANALYTICAL RESULTS

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-111-1
Client Project/Site: Bronco
Revision: 1

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

Attn: Dan Moir

JKramer

Authorized for release by:
3/3/2021 10:09:56 AM

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

Table of Contents

Definitions/Glossary

Client: WSP USA Inc.
Project/Site: Bronco

Job ID: 890-111-1

Qualifiers

GC VOA

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

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
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

Job ID: 890-111-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-111-1

Receipt
The samples were received on 2/1/2021 1:07 PM; the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.2°C

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

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 890-99 and analytical batch 890-107 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Subcontract Lab non-Sister Lab
See attached subcontract report.

Client Sample ID: SS01

Date Collected: 02/01/21 10:05
Date Received: 02/01/21 13:07

Lab Sample ID: 890-111-1
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/01/21 16:19	02/03/21 04:28	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/01/21 16:19	02/03/21 04:28	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/01/21 16:19	02/03/21 04:28	1
Total BTEX	<0.00198	U	0.00198		mg/Kg		02/01/21 16:19	02/03/21 04:28	1
Xylenes, Total	<0.00198	U	0.00198		mg/Kg		02/01/21 16:19	02/03/21 04:28	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		02/01/21 16:19	02/03/21 04:28	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/01/21 16:19	02/03/21 04:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene	*98*		*70 - 130*	*02/01/21 16:19*	*02/03/21 04:28*	*1*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*02/01/21 16:19*	*02/03/21 04:28*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**376**		50.4		mg/Kg			02/02/21 12:38	5

Method: SW8015_MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/06/21 09:00	02/06/21 18:05	1
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/06/21 09:00	02/06/21 18:05	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/06/21 09:00	02/06/21 18:05	1
Total TPH	<50.0		50.0		mg/kg		02/06/21 09:00	02/06/21 18:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 135*	*02/06/21 09:00*	*02/06/21 18:05*	*1*
o-Terphenyl	*94*		*70 - 135*	*02/06/21 09:00*	*02/06/21 18:05*	*1*

Client Sample ID: SS02

Date Collected: 02/01/21 10:15
Date Received: 02/01/21 13:07

Lab Sample ID: 890-111-2
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/01/21 16:19	02/03/21 04:51	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/01/21 16:19	02/03/21 04:51	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/01/21 16:19	02/03/21 04:51	1
Total BTEX	<0.00202	U	0.00202		mg/Kg		02/01/21 16:19	02/03/21 04:51	1
Xylenes, Total	<0.00202	U	0.00202		mg/Kg		02/01/21 16:19	02/03/21 04:51	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		02/01/21 16:19	02/03/21 04:51	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/01/21 16:19	02/03/21 04:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene	*101*		*70 - 130*	*02/01/21 16:19*	*02/03/21 04:51*	*1*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*02/01/21 16:19*	*02/03/21 04:51*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**28.2**		10.1		mg/Kg			02/02/21 12:44	1

Method: SW8015_MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<49.9		49.9		mg/kg		02/06/21 09:00	02/06/21 18:26	1

Client: WSP USA Inc.
Project/Site: Bronco

Job ID: 890-111-1

Client Sample ID: SS02

Date Collected: 02/01/21 10:15
Date Received: 02/01/21 13:07

Lab Sample ID: 890-111-2

Matrix: Solid

Method: SW8015_MOD - General Subcontract Method (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Hydrocarbons (GRO)	<49.9		49.9		mg/kg		02/06/21 09:00	02/06/21 18:26	1
Motor Oil Range Hydrocarbons (MRO)	<49.9		49.9		mg/kg		02/06/21 09:00	02/06/21 18:26	1
Total TPH	<49.9		49.9		mg/kg		02/06/21 09:00	02/06/21 18:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 135*	*02/06/21 09:00*	*02/06/21 18:26*	*1*
o-Terphenyl	*106*		*70 - 135*	*02/06/21 09:00*	*02/06/21 18:26*	*1*

Surrogate Summary

Client: WSP USA Inc.
Project/Site: Bronco

Job ID: 890-111-1

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		DFBZ1	BFB1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-107-A-3-B MS	Matrix Spike	96	95
890-107-A-3-C MSD	Matrix Spike Duplicate	97	94
890-111-1	SS01	98	103
890-111-2	SS02	101	111
LCS 890-89/2-A	Lab Control Sample	93	98
LCSD 890-89/3-A	Lab Control Sample Dup	96	94
MB 890-89/1-A	Method Blank	99	99

Surrogate Legend

DFBZ = 1,4-Difluorobenzene

BFB = 4-Bromofluorobenzene (Surr)

Method: SW8015_MOD - General Subcontract Method

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

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO	OTPH
Lab Sample ID	Client Sample ID	(70-135)	(70-135)
890-111-1	SS01	82	94
890-111-2	SS02	100	106

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 890-89/1-A
Matrix: Solid
Analysis Batch: 113

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 89

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/01/21 16:19	02/02/21 19:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/01/21 16:19	02/02/21 19:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/01/21 16:19	02/02/21 19:48	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/01/21 16:19	02/02/21 19:48	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/01/21 16:19	02/02/21 19:48	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/01/21 16:19	02/02/21 19:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/01/21 16:19	02/02/21 19:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene	*99*		*70 - 130*	*02/01/21 16:19*	*02/02/21 19:48*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*02/01/21 16:19*	*02/02/21 19:48*	*1*

Lab Sample ID: LCS 890-89/2-A
Matrix: Solid
Analysis Batch: 113

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 89

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.09618		mg/Kg		96	70 - 130		
Ethylbenzene			0.100	0.09901		mg/Kg		99	71 - 129		
Toluene			0.100	0.09831		mg/Kg		98	70 - 130		
m,p-Xylenes			0.200	0.2015		mg/Kg		101	70 - 135		
o-Xylene			0.100	0.1002		mg/Kg		100	71 - 133		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Difluorobenzene	*93*		*70 - 130*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 890-89/3-A
Matrix: Solid
Analysis Batch: 113

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 89

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.09257		mg/Kg		93	70 - 130	4	35
Ethylbenzene			0.100	0.09159		mg/Kg		92	71 - 129	8	35
Toluene			0.100	0.09376		mg/Kg		94	70 - 130	5	35
m,p-Xylenes			0.200	0.1857		mg/Kg		93	70 - 135	8	35
o-Xylene			0.100	0.09487		mg/Kg		95	71 - 133	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,4-Difluorobenzene	*96*		*70 - 130*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: 890-107-A-3-B MS
Matrix: Solid
Analysis Batch: 113

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 89

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00199	U	0.100	0.1116		mg/Kg		111	70 - 130		

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-107-A-3-B MS
Matrix: Solid
Analysis Batch: 113

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 89

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00199	U	0.100	0.09961		mg/Kg		100	71 - 129
Toluene	<0.00199	U	0.100	0.1061		mg/Kg		106	70 - 130
m,p-Xylenes	<0.00398	U	0.200	0.2002		mg/Kg		100	70 - 135
o-Xylene	<0.00199	U	0.100	0.1010		mg/Kg		101	71 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,4-Difluorobenzene	*96*		*70 - 130*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: 890-107-A-3-C MSD
Matrix: Solid
Analysis Batch: 113

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 89

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0994	0.1117		mg/Kg		112	70 - 130	0	35
Ethylbenzene	<0.00199	U	0.0994	0.09919		mg/Kg		100	71 - 129	0	35
Toluene	<0.00199	U	0.0994	0.1062		mg/Kg		107	70 - 130	0	35
m,p-Xylenes	<0.00398	U	0.199	0.1974		mg/Kg		99	70 - 135	1	35
o-Xylene	<0.00199	U	0.0994	0.1013		mg/Kg		102	71 - 133	0	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,4-Difluorobenzene	*97*		*70 - 130*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 890-99/11-A
Matrix: Solid
Analysis Batch: 107

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.96	U	9.96		mg/Kg			02/02/21 10:11	1

Lab Sample ID: LCS 890-99/12-A
Matrix: Solid
Analysis Batch: 107

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride			202	202.4		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 890-99/13-A
Matrix: Solid
Analysis Batch: 107

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			199	194.1		mg/Kg		98	90 - 110	4	20

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-110-A-3-I MS
Matrix: Solid
Analysis Batch: 107

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	2580		101	2811	4	mg/Kg		230	90 - 110

Lab Sample ID: 890-110-A-3-J MSD
Matrix: Solid
Analysis Batch: 107

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	2580		101	2752	4	mg/Kg		171	90 - 110	2	20

Method: SW8015_MOD - General Subcontract Method

Lab Sample ID: 7721014-1-BLK
Matrix: SOIL
Analysis Batch: 3150326

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 3150326_P

Analyte	BLANK Result	BLANK Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	U		50		mg/kg		02/06/21 09:00	02/06/21 12:07	1
Gasoline Range Hydrocarbons (GRO)	U		50		mg/kg		02/06/21 09:00	02/06/21 12:07	1
Motor Oil Range Hydrocarbons (MRO)	U		50		mg/kg		02/06/21 09:00	02/06/21 12:07	1

Lab Sample ID: 7721014-1-BKS
Matrix: SOIL
Analysis Batch: 3150326

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 3150326_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics (DRO)	1000	1020		mg/kg		102	70 - 135
Gasoline Range Hydrocarbons (GRO)	1000	1090		mg/kg		109	70 - 135

Lab Sample ID: 7721014-1-BSD
Matrix: SOIL
Analysis Batch: 3150326

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 3150326_P

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics (DRO)	1000	950		mg/kg		95	70 - 135	7	20
Gasoline Range Hydrocarbons (GRO)	1000	1020		mg/kg		102	70 - 135	7	20

QC Association Summary

Client: WSP USA Inc.
Project/Site: Bronco

Job ID: 890-111-1

GC VOA

Prep Batch: 89

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-111-1	SS01	Total/NA	Solid	5030C	
890-111-2	SS02	Total/NA	Solid	5030C	
MB 890-89/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 890-89/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCSD 890-89/3-A	Lab Control Sample Dup	Total/NA	Solid	5030C	
890-107-A-3-B MS	Matrix Spike	Total/NA	Solid	5030C	
890-107-A-3-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5030C	

Analysis Batch: 113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-111-1	SS01	Total/NA	Solid	8021B	89
890-111-2	SS02	Total/NA	Solid	8021B	89
MB 890-89/1-A	Method Blank	Total/NA	Solid	8021B	89
LCS 890-89/2-A	Lab Control Sample	Total/NA	Solid	8021B	89
LCSD 890-89/3-A	Lab Control Sample Dup	Total/NA	Solid	8021B	89
890-107-A-3-B MS	Matrix Spike	Total/NA	Solid	8021B	89
890-107-A-3-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	89

HPLC/IC

Leach Batch: 99

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-111-1	SS01	Soluble	Solid	DI Leach	
890-111-2	SS02	Soluble	Solid	DI Leach	
MB 890-99/11-A	Method Blank	Soluble	Solid	DI Leach	
LCS 890-99/12-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 890-99/13-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-110-A-3-I MS	Matrix Spike	Soluble	Solid	DI Leach	
890-110-A-3-J MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 107

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-111-1	SS01	Soluble	Solid	300.0	99
890-111-2	SS02	Soluble	Solid	300.0	99
MB 890-99/11-A	Method Blank	Soluble	Solid	300.0	99
LCS 890-99/12-A	Lab Control Sample	Soluble	Solid	300.0	99
LCSD 890-99/13-A	Lab Control Sample Dup	Soluble	Solid	300.0	99
890-110-A-3-I MS	Matrix Spike	Soluble	Solid	300.0	99
890-110-A-3-J MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	99

Subcontract

Analysis Batch: 3150326

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-111-1	SS01	Total/NA	Solid	SW8015_MOD	3150326_P
890-111-2	SS02	Total/NA	Solid	SW8015_MOD	3150326_P
7721014-1-BLK	Method Blank	Total/NA	SOIL	SW8015_MOD	3150326_P
7721014-1-BKS	Lab Control Sample	Total/NA	SOIL	SW8015_MOD	3150326_P
7721014-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	SW8015_MOD	3150326_P

QC Association Summary

Client: WSP USA Inc.
Project/Site: Bronco

Job ID: 890-111-1

Subcontract

Prep Batch: 3150326_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-111-1	SS01	Total/NA	Solid	SW8015P	
890-111-2	SS02	Total/NA	Solid	SW8015P	
7721014-1-BLK	Method Blank	Total/NA	SOIL	***DEFAULT PREP***	
7721014-1-BKS	Lab Control Sample	Total/NA	SOIL	***DEFAULT PREP***	
7721014-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	***DEFAULT PREP***	

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Bronco

Job ID: 890-111-1

Client Sample ID: SS01

Lab Sample ID: 890-111-1

Date Collected: 02/01/21 10:05

Matrix: Solid

Date Received: 02/01/21 13:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			89	02/01/21 16:19	MC	XC
Total/NA	Analysis	8021B		1	113	02/03/21 04:28	MC	XC
Soluble	Leach	DI Leach			99	02/01/21 17:00	MC	XC
Soluble	Analysis	300.0		5	107	02/02/21 12:38	MC	XC
Total/NA	Prep	SW8015P		1	3150326_P	02/06/21 09:00		XM
Total/NA	Analysis	SW8015_MOD		1	3150326	02/06/21 18:05	ARM	XM

Client Sample ID: SS02

Lab Sample ID: 890-111-2

Date Collected: 02/01/21 10:15

Matrix: Solid

Date Received: 02/01/21 13:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			89	02/01/21 16:19	MC	XC
Total/NA	Analysis	8021B		1	113	02/03/21 04:51	MC	XC
Soluble	Leach	DI Leach			99	02/01/21 17:00	MC	XC
Soluble	Analysis	300.0		1	107	02/02/21 12:44	MC	XC
Total/NA	Prep	SW8015P		1	3150326_P	02/06/21 09:00		XM
Total/NA	Analysis	SW8015_MOD		1	3150326	02/06/21 18:26	ARM	XM

Laboratory References:

XC = Eurofins Xenco, Carlsbad, 1089 N Canal St., Carlsbad, NM 88220, TEL (575)988-3199

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

Accreditation/Certification Summary

Client: WSP USA Inc.
Project/Site: Bronco

Job ID: 890-111-1

Laboratory: Eurofins Xenco, Carlsbad

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

Authority	Program	Identification Number	Expiration Date
Louisiana	NELAP	05092	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
8021B	5030C	Solid	Total BTEX

Laboratory: Eurofins Midland

The accreditations/certifications listed below are applicable to this report.

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

Method Summary

Client: WSP USA Inc.
Project/Site: Bronco

Job ID: 890-111-1

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XC
300.0	Anions, Ion Chromatography	MCAWW	XC
Subcontract	General Subcontract Method	None	XM
5030C	Purge and Trap	SW846	XC
DI Leach	Deionized Water Leaching Procedure	ASTM	XC

Protocol References:

ASTM = ASTM International

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

None = None

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

Laboratory References:

XC = Eurofins Xenco, Carlsbad, 1089 N Canal St., Carlsbad, NM 88220, TEL (575)988-3199

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

Sample Summary

Client: WSP USA Inc.
Project/Site: Bronco

Job ID: 890-111-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
890-111-1	SS01	Solid	02/01/21 10:05	02/01/21 13:07	
890-111-2	SS02	Solid	02/01/21 10:15	02/01/21 13:07	

Chain of Custody

Work Order No: 111

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)

www.xenco.com Page 1 of 1

Project Manager:	Dan Moir	Bill to: (if different)	Kyle Littrell
Company Name:	WSP	Company Name:	XTO Energy
Address:	3300 North A Street	Address:	3104 East Green Street
City, State ZIP:	Midland, TX 79705	City, State ZIP:	Carlsbad, NM 88220
Phone:	(303) 887-2946	Email:	Spencer.Lo@wsp.com,Kalei.Jennings@wsp.com,Dan.Moir@wsp.com

Work Order Comments

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

Project Name:	Bronco	Turn Around	
Project Number:	TE012921014	Routine	☑
P.O. Number:		Rush:	
Sampler's Name:	Spencer Lo	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Temperature (°C):	2.4 / 2.2	Thermometer ID	TM007
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes (No) N/A	Total Containers:	2

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 0=8021)	Chloride (EPA 300.0)
SS01	S	2/1/2021	1005	0.5'	1	X	X	X
SS02	S	2/1/2021	1015	0.5'	1	X	X	X

ANALYSIS REQUEST

Work Order Notes

Cost Center: 2096331001
Spill Date: 12/22/2020

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

Sample Comments

890-111 Chain of Custody

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		2/1/21 13:07	2		
3			4		
5			6		

Revised Date 051418 Rev 2018.1

3/3/2021 (Rev. 1)

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-111-1
SDG Number:

Login Number: 111
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").	True	