

SITE INFORMATION

Report Type: Closure Report (1RP-5000)

General Site Information:

Site:	Pitchblende 27 Federal Com #1H					
Company:	EOG Resources					
Section, Township and Range	Unit E	Sec. 27	T 25S	R 34E		
County:	Eddy County, NM					
GPS:	32.10230			-103.4639		
Surface Owner:	BLM					

Release Data:

Date Released:	3/23/2018
Type Release:	Produced Water
Source of Contamination:	Water hauler release
Fluid Released:	1200 bbls. of Produced water
Fluids Recovered:	0 bbls. of Produced water

Official Communication:

Name:	James Kennedy		Clair Gonzales
Company:	EOG Resources		Tetra Tech
Address:	5509 Champions Dr		901 West Wall Street
			Suite 100
City:	Midland, TX 79706		Midland, Texas 79701
Phone number:	432-686-7016		432-687-8634
Fax:			
Email:	James.Kennedy@eogresources.com		clair.gonzales@tetrattech.com

Site Characterization

Depth to Groundwater:	50' below ground surface (bgs)
Karst Potential:	Low

Recommended Remedial Action Levels (RRALs)

Benzene	Total BTEX	TPH (GRO+DRO+MRO)	Chlorides
10 mg/kg	50 mg/kg	100 mg/kg	600 mg/kg



May 12, 2021

Bradford Billings
Hydrologist
District 2 Artesia
Oil Conservation Division
Santa Fe, NM 87505

**Re: Closure Report
EOG Resources
Pitchblende 27 Federal Com #1H
Unit E, Section 27, Township 25 South, Range 34 East
Eddy County, New Mexico
1RP-5000**

Mr. Billings:

Tetra Tech, Inc. (Tetra Tech) was contacted by EOG Resources (EOG) to assess a release at the EOG Pitchblende 27 Federal Com #1H (API No. 30-025-36929). The release footprint is located in the Public Land Survey System (PLSS) Unit E, Section 27, Township 25 South, Range 34 East, Eddy County, New Mexico (Site). The Site coordinates are 32.1023°, -103.4639°. The site location is shown on Figures 1 and 2.

Background

According to the State of New Mexico C-141 Initial Report, the release occurred on March 23, 2018 due to a water hauler released approximately 120 barrels (bbls.) of produced water to the south edge of the pad. No free fluids were recovered. The initial C-141 report was submitted on March 27, 2018. The release was subsequently assigned the Remediation Permit (RP) number 1RP-5000. The C-141 forms are included in Appendix A.

Site Characterization

A site characterization was performed for the site, and no watercourses, lakebeds, sinkholes, playa lakes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the specified distances, and the site is in a low karst potential area. The nearest well is listed in the USGS National Water Information Database website in Section 15, approximately 2.24 miles southeast of the site, and has a reported depth to groundwater of 174.06 feet below ground surface last sample on 2013. In addition, according to the New Mexico Office of the State Engineer, there are no water wells within 800 meters (½ miles) radius. However, there are four (4) water wells are located within 3,800 meters (approximately 2.4 miles) of the Site. The average depth to groundwater is 92 ft. bgs. Site characterization data is included in Appendix B.

Tetra Tech

901 West Wall Street, Suite 100, Midland, TX 79701

Tel 432.682.4559 Fax 432.682.3946 www.tetrattech.com



Regulatory

A risk-based evaluation was performed for the site per the New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills and Releases, updated August 14, 2018. The guidelines require a risk-based evaluation of the site to determine recommended remedial action levels (RRAL) for benzene, toluene, ethylbenzene and xylene (collectively referred to as BTEX) and total petroleum hydrocarbons (TPH) in soil. The proposed RRAL for benzene was determined to be 10 parts per million (ppm) or milligrams per kilogram (mg/kg) and 50 ppm for total BTEX (sum of benzene, toluene, ethylbenzene, and xylene). Based on the site characterization, the proposed RRAL for TPH is 100 mg/kg (GRO+DRO+MRO). Additionally, based on the site characterization, the proposed RRAL for chlorides is 600 mg/kg.

Soil Assessment and Analytical Results

On April 29, 2021, Tetra Tech personnel were on site to evaluate and sample the release area. The formerly impacted area was identified from the description in the C-141 and the aerial imagery. Soils were field screened for salinity using an Extech EC400 ExStik to determine sampling intervals. A total of six (6) auger holes (AH-1 through AH-6) were advanced to a total depth from surface to 1 ft. bgs. In addition, four (4) horizontal samples (H-N, H-S, H-E, and H-W) were collected along the perimeter of the release footprint at a depth from top to 6-inches bgs. A total of ten (10) samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix D. The results of the sampling are summarized in Table 1. The auger hole locations are shown on Figure 3. Photographic documentation is included.

Referring to Table 1, all of the samples were below the Site RRAL for chloride (600 mg/kg), TPH (100 mg/kg), BTEX (50 m/kg) and benzene (10 mg/kg).

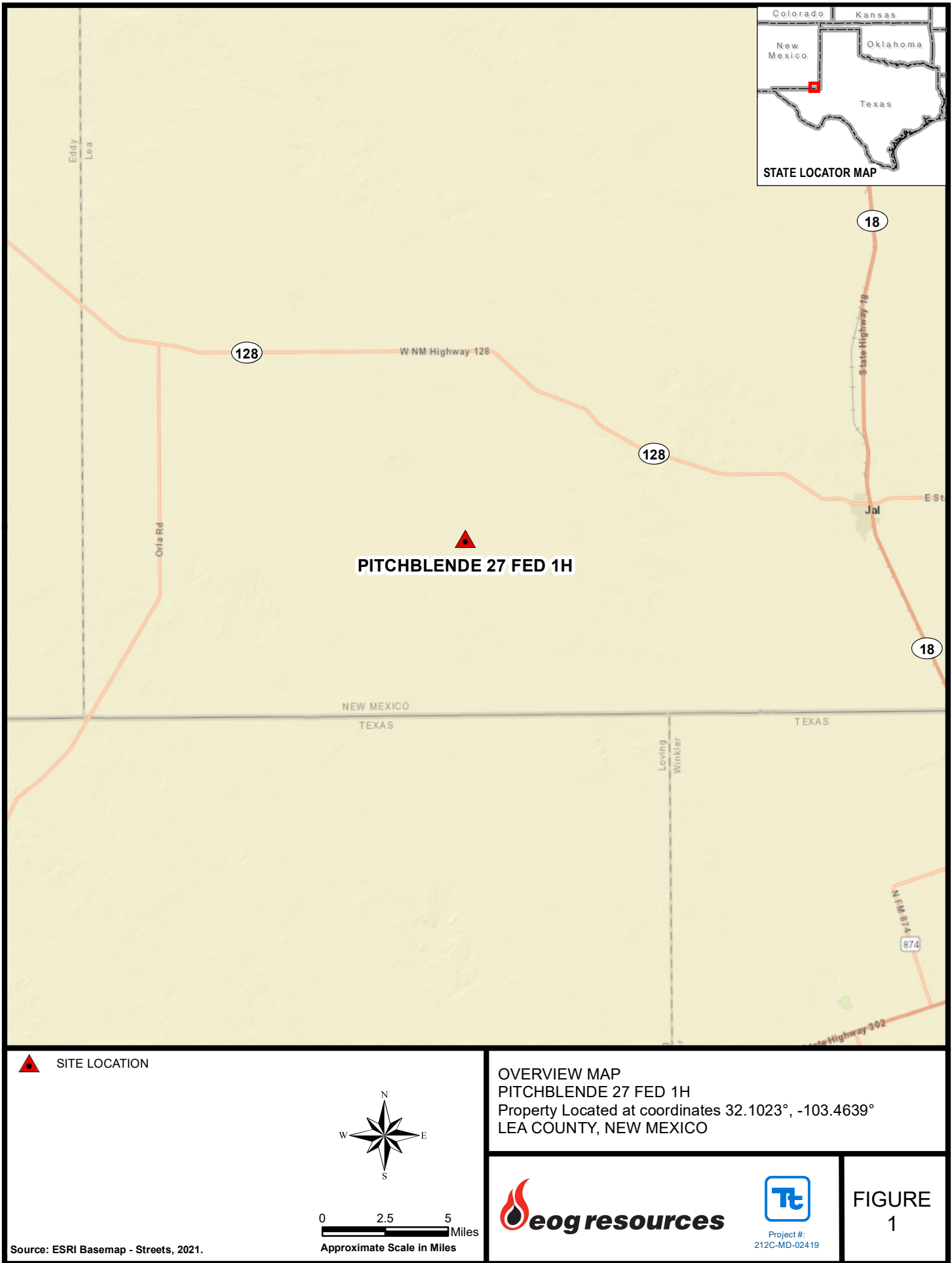
Conclusion

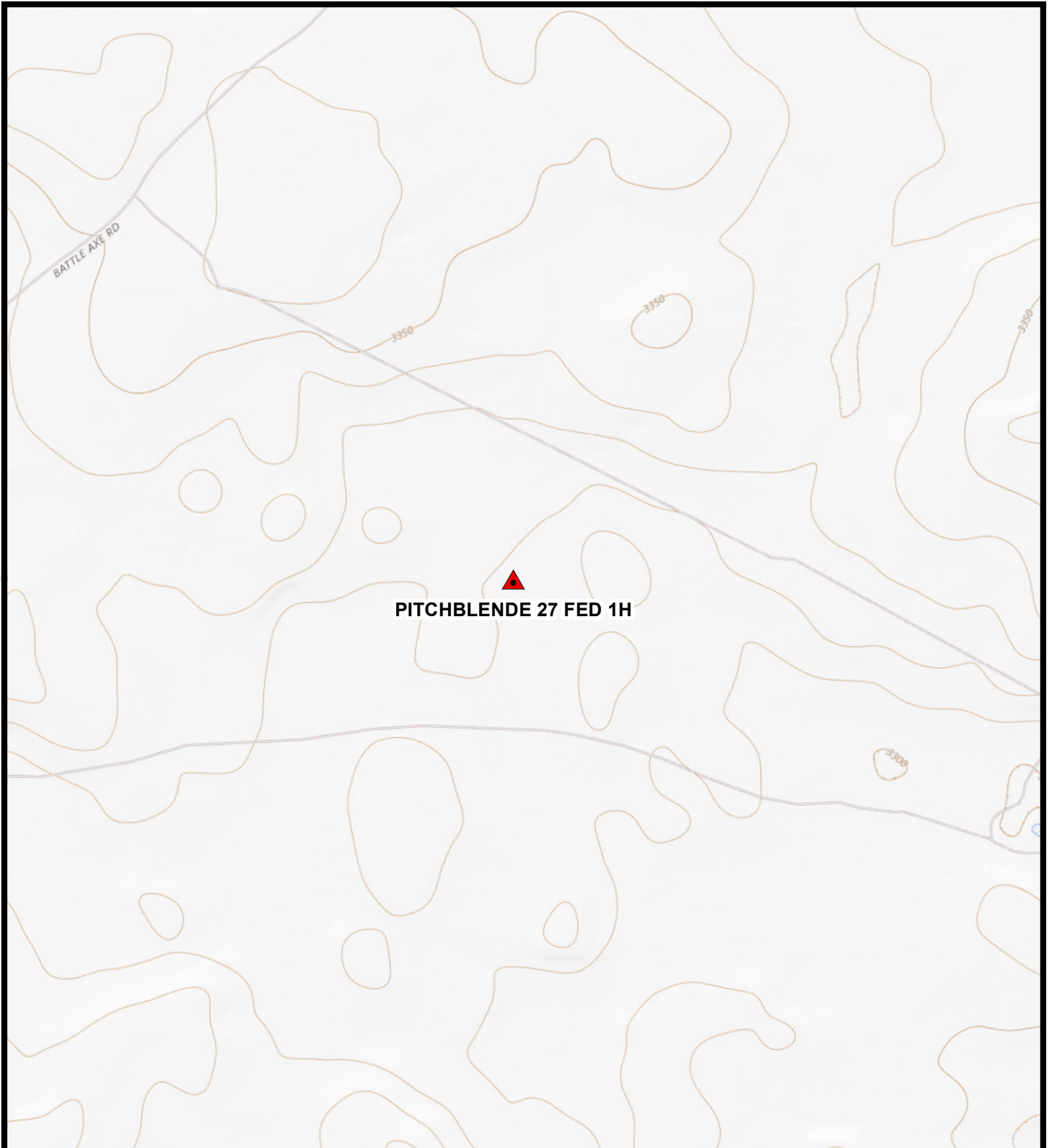
Based on the laboratory results and remediation activities performed, EOG requests closure of this spill issue. The final C-141 initial reports are enclosed in Appendix A. If you have any questions or comments concerning the assessment or remediation activities for this site, please call at (432) 682-4559.

Respectfully submitted,
TETRA TECH

Paula Tocora Alonso
Paula Tocora Alonso
Environmental Engineer I
Tetra Tech, Inc

Figures





C:\GIS\EOG Resources\212C-MD-02419_PITCHBLENDE\212C-MD-02419_PITCHBLENDE\FIG2.mxd 5/7/2021 jsl peters

 SITE LOCATION



0 1,000 2,000 Feet
Approximate Scale in Feet

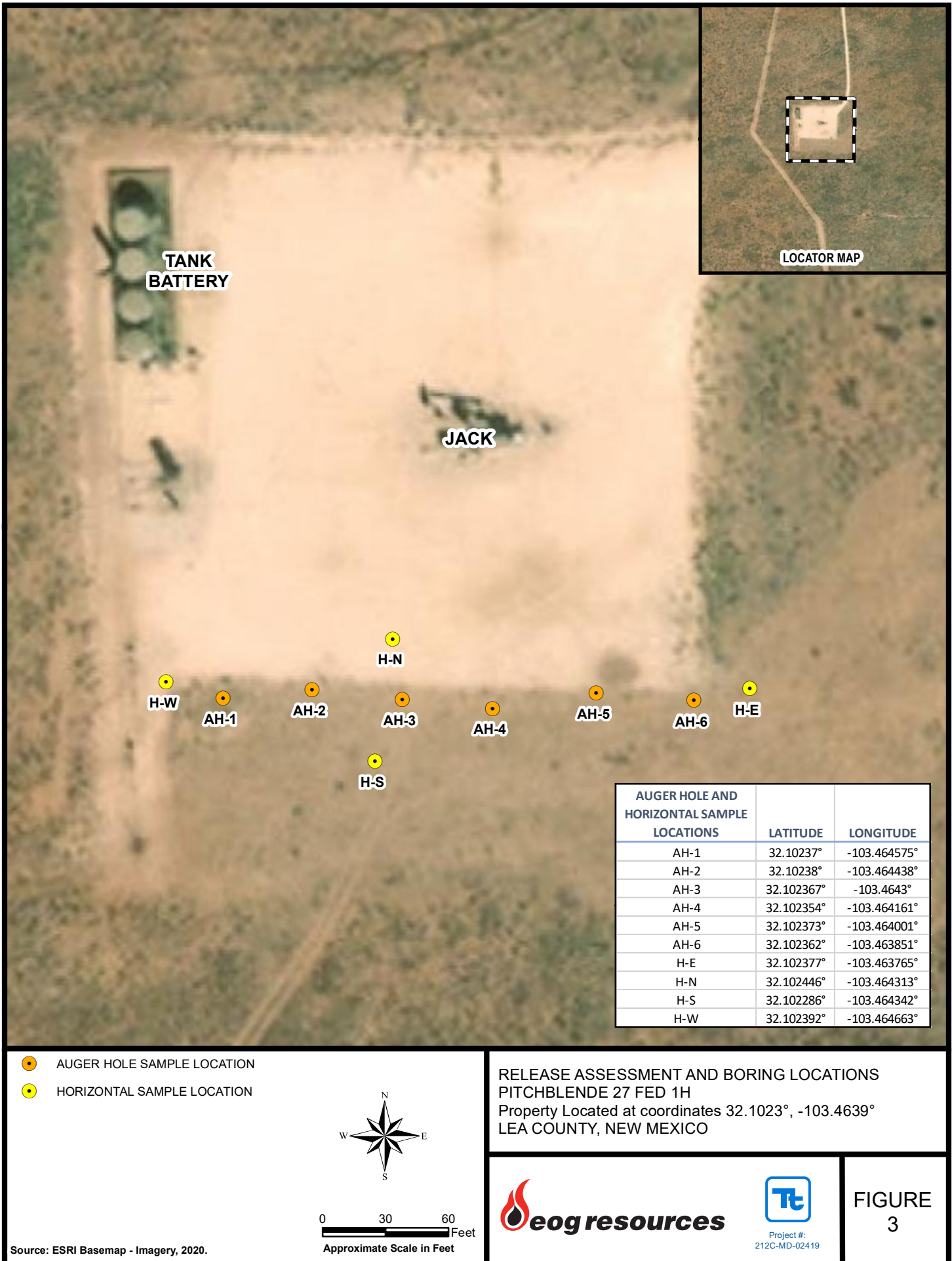
Source: USGS, The National Map,
Topo Base, 2021.

TOPOGRAPHIC MAP
PITCHBLENDE 27 FED 1H
Property Located at coordinates 32.1023°, -103.4639°
LEA COUNTY, NEW MEXICO



Project #:
212C-MD-02419

FIGURE
2

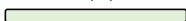


Tables

Table 1
EOG
Pitchblende 27 Federal Com #1
Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
AH-1	4/29/2021	0-1'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<5.01
AH-2	4/29/2021	0-1'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	15.3
AH-3	4/29/2021	0-1'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	5.65
AH-4	4/29/2021	0-1'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	6.61
AH-5	4/29/2021	0-1'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	5.39
AH-6	4/29/2021	0-1'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	6.58
H-E	4/29/2021	0-6"	X	-	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	5.48
H-N	4/29/2021	0-6"	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	287
H-S	4/29/2021	0-6"	X	-	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	7.62
H-W	4/29/2021	0-6"	X	-	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	5.08

(-)



Not Analyzed
Exceeded RRALs

Photos

EOG Resources
Pitchblende 27 Federal Com #1
Eddy County, New Mexico



TETRA TECH



View of Release Area – View Northeast

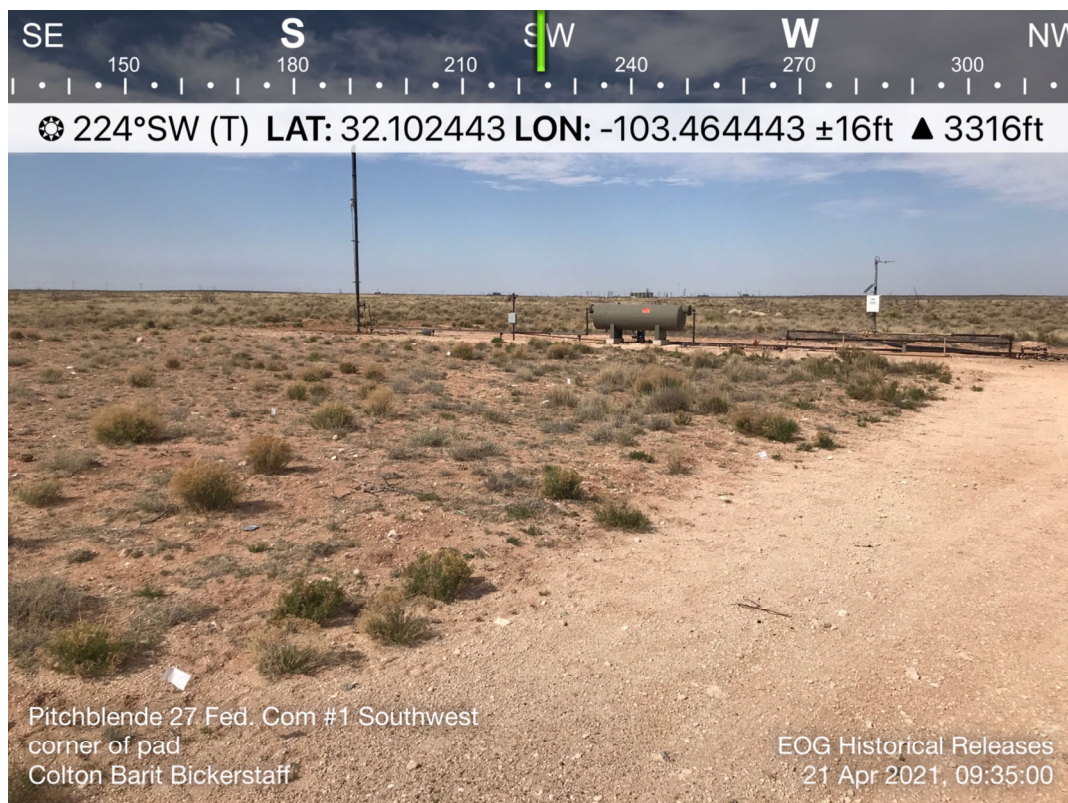


View of Release Area – View Southwest/West

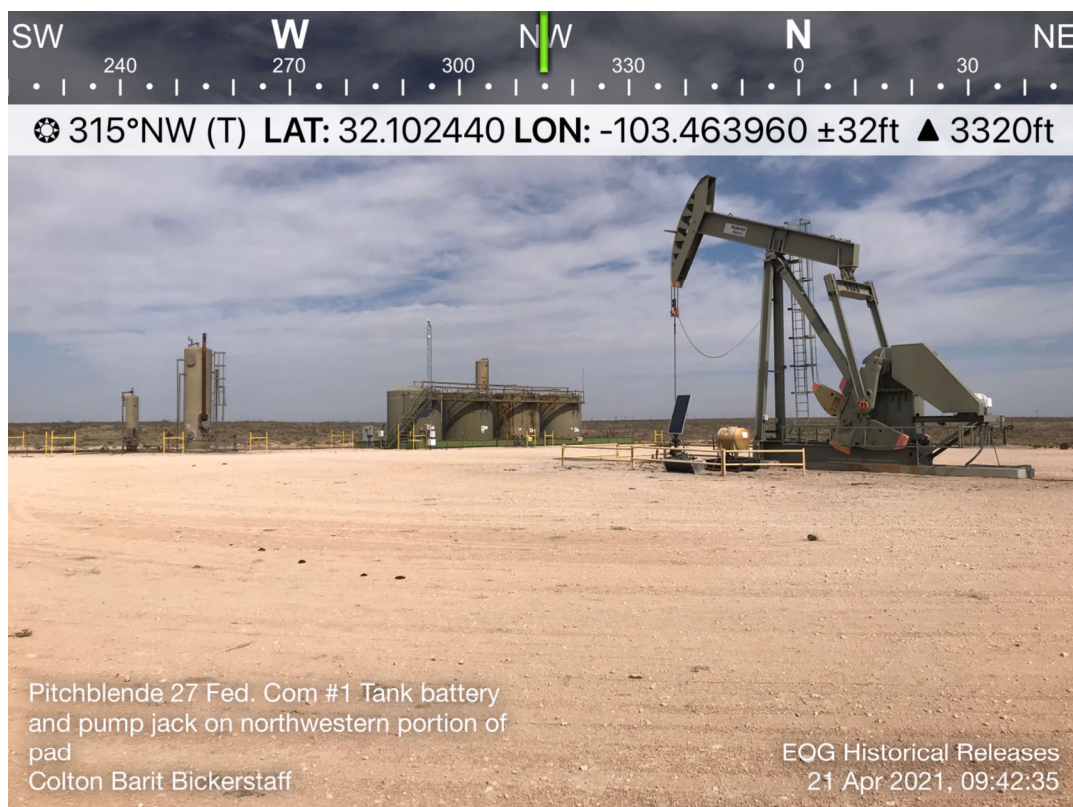
EOG Resources
Pitchblende 27 Federal Com #1
Eddy County, New Mexico



TETRA TECH



View of Release Area – View South/Southwest



View of Release Area – View Northwest

Appendix A

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

Form C-141
Revised April 3, 2017

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

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company EOG Resources, Inc	Contact Jamon Hohensee
Address 5509 Champions Drive, Midland, Texas 79706	Telephone No. 432-556-8074
Facility Name: Pitchblende 27 Fed 1H	Facility Type: Production facility

Surface Owner BLM	Mineral Owner Federal	API No. 30-025-36929
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
E	27	25S	34E					

Latitude 32.1023 Longitude -103.4639

NATURE OF RELEASE

Type of Release: PW from water hauler truck	Volume of Release 120bbls	Volume Recovered 0bbls
Source of Release PW flowline	3/23/18 PM	3/24/18 AM
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

RECEIVED

By Olivia Yu at 10:55 am, Mar 28, 2018

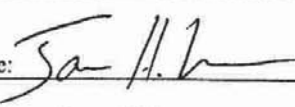

Describe Cause of Problem and Remedial Action Taken.*

On 3/23/18 it was discovered that a water hauler released approximately 120bbls of PW to the south edge of the pad. 0bbls recovered. 3'd party consultant will go out and delineate spill area and collect samples. Samples will be analyzed and a work plan will be submitted to go out and excavate impacted soil and properly remove and dispose of impacted soil. Then area will be backfilled with clean material to normal grade.

Describe Area Affected and Cleanup Action Taken.*

Site is desert scrub with no water identified. No other action taken so far.

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

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Jamon Hohensee	Approved by Environmental Specialist: 	
Title: Environmental Representative	Approval Date: 3/28/2018	Expiration Date:
E-mail Address: jamon_hohensee@eogresources.com	Conditions of Approval:	Attached <input checked="" type="checkbox"/>
Date: 3/27/18 Phone: 4325568074	see attached directive	

* Attach Additional Sheets If Necessary

1RP-5000

nOY1808739586

pOY1808739832

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

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: James F. Kennedy Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Incident ID	
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: _____ Title: _____

Signature: James F. Kennedy Date: _____

email: _____ Telephone: _____

OCD Only

Received by: OCD Date: 10/18/2021

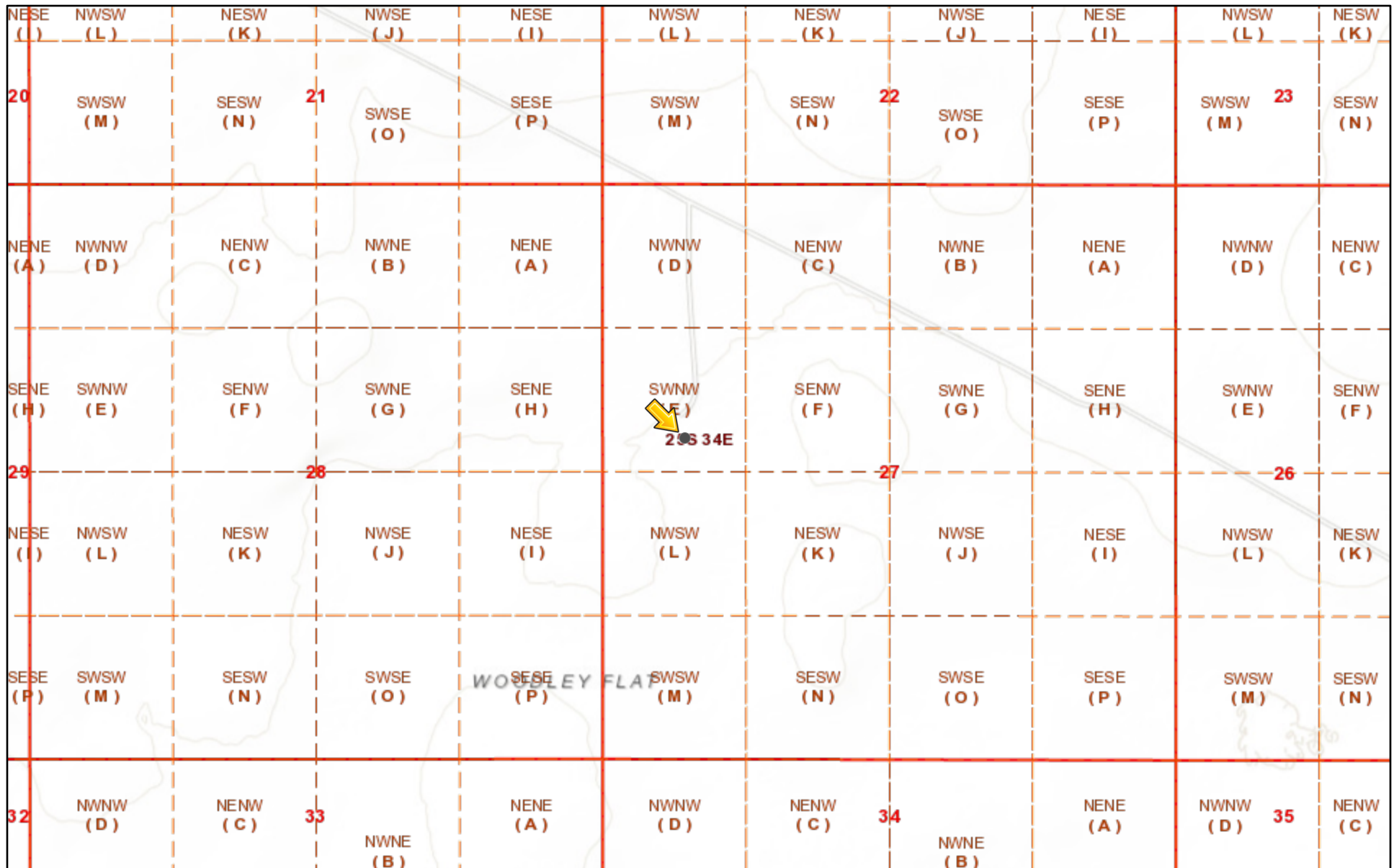
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance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

Closure Approved by: Ashley Maxwell Date: 9/13/2022

Printed Name: Ashley Maxwell Title: Environmental Specialist

Appendix B

1RP-5000



5/7/2021, 1:55:07 PM



Override 1

PLSS First Division

PLSS Townships

PLSS Second Division

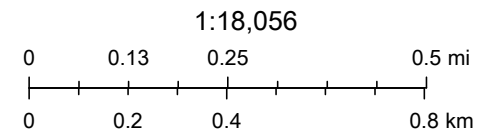
OSE Streams

PLJV Probable Playas

OSE Water-bodies



OCD District Offices







Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin,

New Mexico Oil Conservation Division

NM OCD Oil and Gas Map. <http://nm-ernrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75>: New Mexico Oil Conservation Division

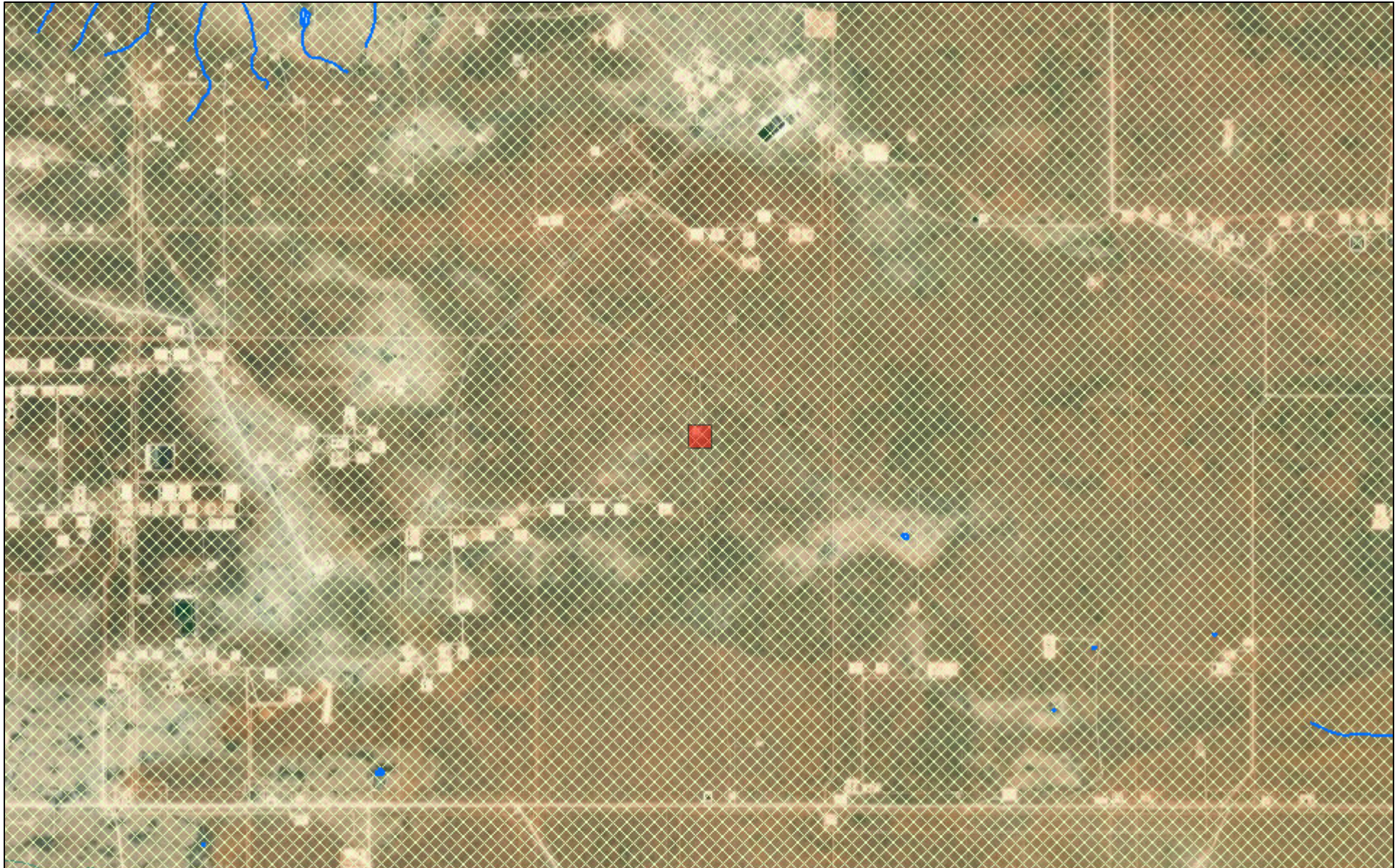
Pitchblende 27 Federal Com #1H

Legend

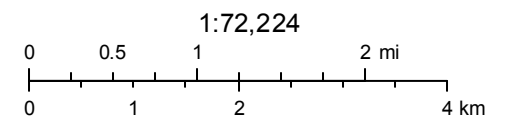
-  High
-  Low
-  Medium
-  PITCHBLENDE 27 FEDERAL COM #001H



New Mexico NFHL Data



May 11, 2021



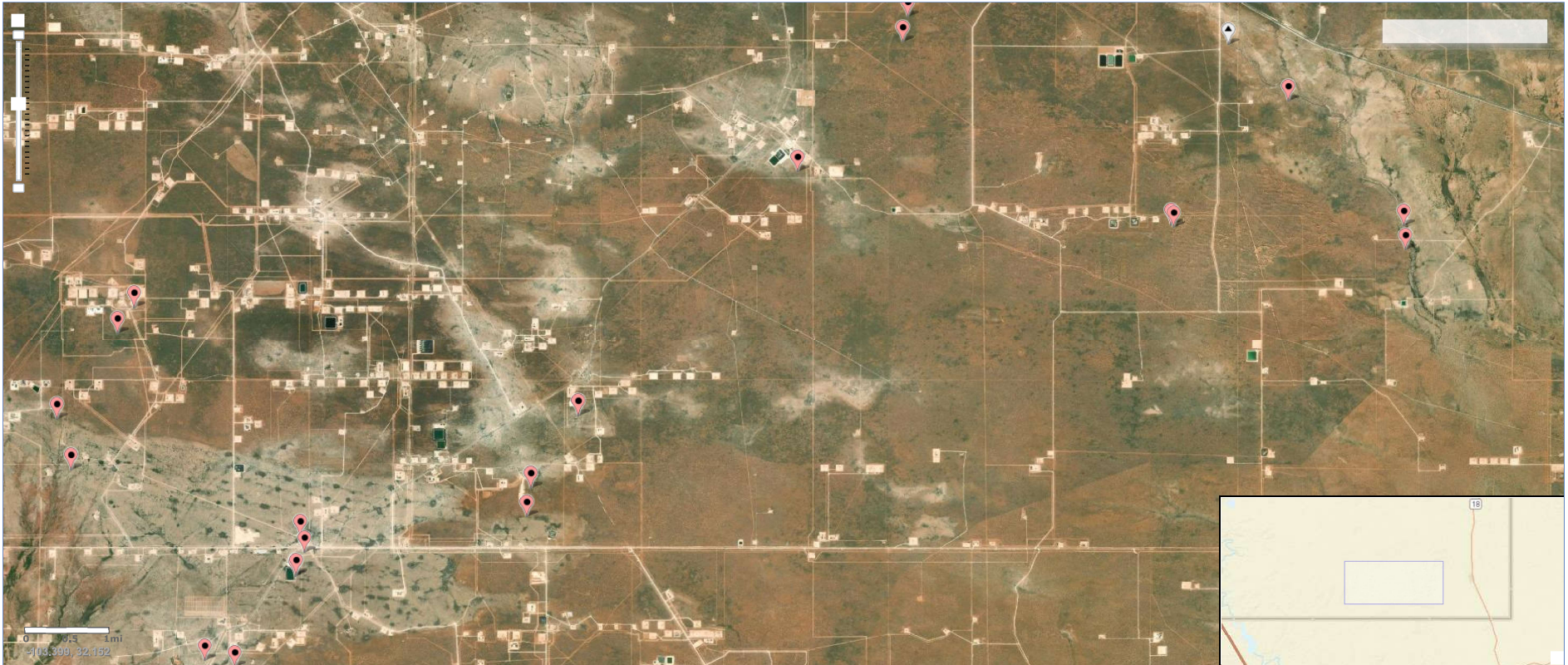
Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



National Water Information System: Mapper

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[Contact USGS](#)
[Search USGS](#)

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Site Information



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,
O=orphaned,

C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Code	Sub-basin	County	Q 6	Q 4	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
C_02316		CUB	LE	3	4	3	29	25S	34E	642003	3551967*	3054	100	50	50
C_02317		CUB	LE	3	4	3	29	25S	34E	642003	3551967*	3054	100	50	50
C_02314		CUB	LE	2	4	2	15	25S	34E	646116	3556179	3571	175	135	40
C_02315		CUB	LE	2	4	2	15	25S	34E	646095	3556194	3578	175	135	40

Average Depth to Water: **92 feet**

Minimum Depth: **50 feet**

Maximum Depth: **135 feet**

Record 4

Count:

UTMNAD83 Radius Search (in meters):

Easting (X): 644940

Northing (Y): 3552807

Radius: 3800

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

5/11/21 9:59 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



National Water Information System: Web Interface
USGS Water Resources

USGS Home
Contact USGS
Search USGS

Data Category: Groundwater Geographic Area: New Mexico

Click to hideNews Bulletins

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

Groundwater levels for New Mexico

Click to hide state-specific text

* IMPORTANT: [Next Generation Station Page](#)

Search Results -- 1 sites found

Agency code = usgs
site_no list = 320738103270501

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 320738103270501 25S,34E.15,24234

Lea County, New Mexico
Latitude 32°07'57.1"; Longitude 103°27'02.4" NAD83
Land-surface elevation 3,345.00 feet above NGVD29
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Baseplot 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 of measurement	? Water-level approval status
1954-07-23			D	62610		3180.06	NGVD29	3	Z		A
1954-07-23			D	62611		3181.62	NAVD88	3	Z		A
1954-07-23			D	72019	164.94			3	Z		A
1970-12-08			D	62610		3181.78	NGVD29	3	Z		A
1970-12-08			D	62611		3183.34	NAVD88	3	Z		A
1970-12-08			D	72019	163.22			3	Z		A
1976-01-15			D	62610		3179.20	NGVD29	1	Z		A
1976-01-15			D	62611		3180.76	NAVD88	1	Z		A
1976-01-15			D	72019	165.80			1	Z		A
1981-03-25			D	62610		3182.20	NGVD29	1	Z		A
1981-03-25			D	62611		3183.76	NAVD88	1	Z		A
1981-03-25			D	72019	162.80			1	Z		A
1986-03-12			D	62610		3184.76	NGVD29	1	Z		A
1986-03-12			D	62611		3186.32	NAVD88	1	Z		A
1986-03-12			D	72019	160.24			1	Z		A
1991-06-05			D	62610		3179.90	NGVD29	1	Z		A
1991-06-05			D	62611		3181.46	NAVD88	1	Z		A
1991-06-05			D	72019	165.10			1	Z		A
2013-01-16	21:30 UTC		m	62610		3170.94	NGVD29	3	S	USGS	S
2013-01-16	21:30 UTC		m	62611		3172.50	NAVD88	3	S	USGS	S
2013-01-16	21:30 UTC		m	72019	174.06			3	S	USGS	S

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
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
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.

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Title: Groundwater for New Mexico: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels/>

Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2021-05-11 12:13:11 EDT

0.37 0.34 nrdw01



Appendix C



Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-1769-1

Laboratory Sample Delivery Group: Eddy County NM
Client Project/Site: EOG - Pitchblende 27 Fed. Com #1

For:

Tetra Tech, Inc.
901 W Wall
Ste 100
Midland, Texas 79701

Attn: Clair Gonzales

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
5/5/2021 8:59:58 AM

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

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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: Tetra Tech, Inc.
Project/Site: EOG - Pitchblende 27 Fed. Com #1

Laboratory Job ID: 880-1769-1
SDG: Eddy County NM

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Client Sample Results	5
Surrogate Summary	12
QC Sample Results	13
QC Association Summary	18
Lab Chronicle	21
Certification Summary	24
Method Summary	25
Sample Summary	26
Chain of Custody	27
Receipt Checklists	28

1
2
3
4
5
6
7
8
9
10
11
12
13
14

Definitions/Glossary

Client: Tetra Tech, Inc.

Project/Site: EOG - Pitchblende 27 Fed. Com #1

Job ID: 880-1769-1

SDG: Eddy County NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
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.
α	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

Eurofins Xenco, Midland

Case Narrative

Client: Tetra Tech, Inc.
Project/Site: EOG - Pitchblende 27 Fed. Com #1

Job ID: 880-1769-1
SDG: Eddy County NM

Job ID: 880-1769-1

Laboratory: Eurofins Xenco, Midland**Narrative**

Job Narrative
880-1769-1

Receipt

The samples were received on 4/30/2021 12:35 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 4.3°C

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: H-N (0'-6") (880-1769-1), H-E (0'-6") (880-1769-3), H-W (0'-6") (880-1769-4), AH-1 (0'-1') (880-1769-5) and (880-1769-A-1-A MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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: Tetra Tech, Inc.

Job ID: 880-1769-1

Project/Site: EOG - Pitchblende 27 Fed. Com #1

SDG: Eddy County NM

Client Sample ID: H-N (0'-6")

Lab Sample ID: 880-1769-1

Date Collected: 04/29/21 00:00

Matrix: Solid

Date Received: 04/30/21 12:35

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F2 F1	0.00200		mg/Kg		04/30/21 14:54	05/01/21 04:30	1
Toluene	<0.00200	U F2 F1	0.00200		mg/Kg		04/30/21 14:54	05/01/21 04:30	1
Ethylbenzene	<0.00200	U F2 F1	0.00200		mg/Kg		04/30/21 14:54	05/01/21 04:30	1
m-Xylene & p-Xylene	<0.00401	U F2 F1	0.00401		mg/Kg		04/30/21 14:54	05/01/21 04:30	1
o-Xylene	<0.00200	U F2 F1	0.00200		mg/Kg		04/30/21 14:54	05/01/21 04:30	1
Xylenes, Total	<0.00401	U F2 F1	0.00401		mg/Kg		04/30/21 14:54	05/01/21 04:30	1
Total BTEX	<0.00401	U F2 F1	0.00401		mg/Kg		04/30/21 14:54	05/01/21 04:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	04/30/21 14:54	05/01/21 04:30	1
1,4-Difluorobenzene (Surr)	89		70 - 130	04/30/21 14:54	05/01/21 04:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	49.9		mg/Kg		04/30/21 16:12	05/01/21 14:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1	49.9		mg/Kg		04/30/21 16:12	05/01/21 14:31	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/30/21 16:12	05/01/21 14:31	1
Total TPH	<49.9	U F1	49.9		mg/Kg		04/30/21 16:12	05/01/21 14:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	04/30/21 16:12	05/01/21 14:31	1
o-Terphenyl	132	S1+	70 - 130	04/30/21 16:12	05/01/21 14:31	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	287		5.05		mg/Kg			05/04/21 04:57	1

Client Sample ID: H-S (0'-6")

Lab Sample ID: 880-1769-2

Date Collected: 04/29/21 00:00

Matrix: Solid

Date Received: 04/30/21 12:35

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/30/21 14:54	05/01/21 04:55	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/30/21 14:54	05/01/21 04:55	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/30/21 14:54	05/01/21 04:55	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/30/21 14:54	05/01/21 04:55	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/30/21 14:54	05/01/21 04:55	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/30/21 14:54	05/01/21 04:55	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		04/30/21 14:54	05/01/21 04:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	04/30/21 14:54	05/01/21 04:55	1
1,4-Difluorobenzene (Surr)	108		70 - 130	04/30/21 14:54	05/01/21 04:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/30/21 16:12	05/01/21 15:36	1

Eurofins Xenco, Midland

Client Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-1769-1

Project/Site: EOG - Pitchblende 27 Fed. Com #1

SDG: Eddy County NM

Client Sample ID: H-S (0'-6")

Lab Sample ID: 880-1769-2

Date Collected: 04/29/21 00:00

Matrix: Solid

Date Received: 04/30/21 12:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/30/21 16:12	05/01/21 15:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/30/21 16:12	05/01/21 15:36	1
Total TPH	<49.9	U	49.9		mg/Kg		04/30/21 16:12	05/01/21 15:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				04/30/21 16:12	05/01/21 15:36	1
o-Terphenyl	120		70 - 130				04/30/21 16:12	05/01/21 15:36	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.62		5.04		mg/Kg			05/04/21 05:12	1

Client Sample ID: H-E (0'-6")

Lab Sample ID: 880-1769-3

Date Collected: 04/29/21 00:00

Matrix: Solid

Date Received: 04/30/21 12:35

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/30/21 14:54	05/01/21 05:21	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/30/21 14:54	05/01/21 05:21	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/30/21 14:54	05/01/21 05:21	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/30/21 14:54	05/01/21 05:21	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/30/21 14:54	05/01/21 05:21	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/30/21 14:54	05/01/21 05:21	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		04/30/21 14:54	05/01/21 05:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				04/30/21 14:54	05/01/21 05:21	1
1,4-Difluorobenzene (Surr)	96		70 - 130				04/30/21 14:54	05/01/21 05:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/30/21 16:12	05/01/21 15:58	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/30/21 16:12	05/01/21 15:58	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/30/21 16:12	05/01/21 15:58	1
Total TPH	<49.8	U	49.8		mg/Kg		04/30/21 16:12	05/01/21 15:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				04/30/21 16:12	05/01/21 15:58	1
o-Terphenyl	111		70 - 130				04/30/21 16:12	05/01/21 15:58	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.48		5.02		mg/Kg			05/04/21 05:18	1

Eurofins Xenco, Midland

Client Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-1769-1

Project/Site: EOG - Pitchblende 27 Fed. Com #1

SDG: Eddy County NM

Client Sample ID: H-W (0'-6")

Lab Sample ID: 880-1769-4

Date Collected: 04/29/21 00:00

Matrix: Solid

Date Received: 04/30/21 12:35

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/30/21 14:54	05/01/21 05:46	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/30/21 14:54	05/01/21 05:46	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/30/21 14:54	05/01/21 05:46	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/30/21 14:54	05/01/21 05:46	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/30/21 14:54	05/01/21 05:46	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/30/21 14:54	05/01/21 05:46	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		04/30/21 14:54	05/01/21 05:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	04/30/21 14:54	05/01/21 05:46	1
1,4-Difluorobenzene (Surr)	99		70 - 130	04/30/21 14:54	05/01/21 05:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/30/21 16:12	05/01/21 16:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/30/21 16:12	05/01/21 16:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/30/21 16:12	05/01/21 16:20	1
Total TPH	<49.9	U	49.9		mg/Kg		04/30/21 16:12	05/01/21 16:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	04/30/21 16:12	05/01/21 16:20	1
o-Terphenyl	113		70 - 130	04/30/21 16:12	05/01/21 16:20	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.08		5.03		mg/Kg			05/04/21 05:23	1

Client Sample ID: AH-1 (0'-1')

Lab Sample ID: 880-1769-5

Date Collected: 04/29/21 00:00

Matrix: Solid

Date Received: 04/30/21 12:35

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/30/21 14:54	05/01/21 06:11	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/30/21 14:54	05/01/21 06:11	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/30/21 14:54	05/01/21 06:11	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/30/21 14:54	05/01/21 06:11	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/30/21 14:54	05/01/21 06:11	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/30/21 14:54	05/01/21 06:11	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		04/30/21 14:54	05/01/21 06:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	150	S1+	70 - 130	04/30/21 14:54	05/01/21 06:11	1
1,4-Difluorobenzene (Surr)	75		70 - 130	04/30/21 14:54	05/01/21 06:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/30/21 16:12	05/01/21 16:42	1

Eurofins Xenco, Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: EOG - Pitchblende 27 Fed. Com #1

Job ID: 880-1769-1
SDG: Eddy County NM

Client Sample ID: AH-1 (0'-1')

Lab Sample ID: 880-1769-5

Date Collected: 04/29/21 00:00

Matrix: Solid

Date Received: 04/30/21 12:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/30/21 16:12	05/01/21 16:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/30/21 16:12	05/01/21 16:42	1
Total TPH	<50.0	U	50.0		mg/Kg		04/30/21 16:12	05/01/21 16:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				04/30/21 16:12	05/01/21 16:42	1
o-Terphenyl	114		70 - 130				04/30/21 16:12	05/01/21 16:42	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.01	U	5.01		mg/Kg			05/04/21 05:28	1

Client Sample ID: AH-2 (0'-1')

Lab Sample ID: 880-1769-6

Date Collected: 04/29/21 00:00

Matrix: Solid

Date Received: 04/30/21 12:35

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/30/21 14:54	05/01/21 06:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/30/21 14:54	05/01/21 06:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/30/21 14:54	05/01/21 06:36	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/30/21 14:54	05/01/21 06:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/30/21 14:54	05/01/21 06:36	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/30/21 14:54	05/01/21 06:36	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		04/30/21 14:54	05/01/21 06:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				04/30/21 14:54	05/01/21 06:36	1
1,4-Difluorobenzene (Surr)	115		70 - 130				04/30/21 14:54	05/01/21 06:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/30/21 16:12	05/01/21 17:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/30/21 16:12	05/01/21 17:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/30/21 16:12	05/01/21 17:04	1
Total TPH	<50.0	U	50.0		mg/Kg		04/30/21 16:12	05/01/21 17:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				04/30/21 16:12	05/01/21 17:04	1
o-Terphenyl	113		70 - 130				04/30/21 16:12	05/01/21 17:04	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.3		5.01		mg/Kg			05/04/21 05:43	1

Eurofins Xenco, Midland

Client Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-1769-1

Project/Site: EOG - Pitchblende 27 Fed. Com #1

SDG: Eddy County NM

Client Sample ID: AH-3 (0'-1')

Lab Sample ID: 880-1769-7

Date Collected: 04/29/21 00:00

Matrix: Solid

Date Received: 04/30/21 12:35

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/30/21 14:54	05/01/21 07:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/30/21 14:54	05/01/21 07:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/30/21 14:54	05/01/21 07:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/30/21 14:54	05/01/21 07:02	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/30/21 14:54	05/01/21 07:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/30/21 14:54	05/01/21 07:02	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/30/21 14:54	05/01/21 07:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130	04/30/21 14:54	05/01/21 07:02	1
1,4-Difluorobenzene (Surr)	111		70 - 130	04/30/21 14:54	05/01/21 07:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/30/21 16:12	05/01/21 17:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/30/21 16:12	05/01/21 17:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/30/21 16:12	05/01/21 17:25	1
Total TPH	<50.0	U	50.0		mg/Kg		04/30/21 16:12	05/01/21 17:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	04/30/21 16:12	05/01/21 17:25	1
o-Terphenyl	120		70 - 130	04/30/21 16:12	05/01/21 17:25	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.65		4.99		mg/Kg			05/04/21 05:48	1

Client Sample ID: AH-4 (0'-1')

Lab Sample ID: 880-1769-8

Date Collected: 04/29/21 00:00

Matrix: Solid

Date Received: 04/30/21 12:35

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/30/21 14:54	05/01/21 07:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/30/21 14:54	05/01/21 07:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/30/21 14:54	05/01/21 07:28	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/30/21 14:54	05/01/21 07:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/30/21 14:54	05/01/21 07:28	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/30/21 14:54	05/01/21 07:28	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		04/30/21 14:54	05/01/21 07:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130	04/30/21 14:54	05/01/21 07:28	1
1,4-Difluorobenzene (Surr)	107		70 - 130	04/30/21 14:54	05/01/21 07:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/30/21 16:12	05/01/21 17:47	1

Eurofins Xenco, Midland

Client Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-1769-1

Project/Site: EOG - Pitchblende 27 Fed. Com #1

SDG: Eddy County NM

Client Sample ID: AH-4 (0'-1')

Lab Sample ID: 880-1769-8

Date Collected: 04/29/21 00:00

Matrix: Solid

Date Received: 04/30/21 12:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/30/21 16:12	05/01/21 17:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/30/21 16:12	05/01/21 17:47	1
Total TPH	<49.9	U	49.9		mg/Kg		04/30/21 16:12	05/01/21 17:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				04/30/21 16:12	05/01/21 17:47	1
o-Terphenyl	118		70 - 130				04/30/21 16:12	05/01/21 17:47	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.61		5.00		mg/Kg			05/04/21 05:54	1

Client Sample ID: AH-5 (0'-1')

Lab Sample ID: 880-1769-9

Date Collected: 04/29/21 00:00

Matrix: Solid

Date Received: 04/30/21 12:35

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/30/21 14:54	05/01/21 07:54	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/30/21 14:54	05/01/21 07:54	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/30/21 14:54	05/01/21 07:54	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/30/21 14:54	05/01/21 07:54	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/30/21 14:54	05/01/21 07:54	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/30/21 14:54	05/01/21 07:54	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		04/30/21 14:54	05/01/21 07:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				04/30/21 14:54	05/01/21 07:54	1
1,4-Difluorobenzene (Surr)	108		70 - 130				04/30/21 14:54	05/01/21 07:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/30/21 16:12	05/01/21 18:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/30/21 16:12	05/01/21 18:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/30/21 16:12	05/01/21 18:08	1
Total TPH	<49.9	U	49.9		mg/Kg		04/30/21 16:12	05/01/21 18:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				04/30/21 16:12	05/01/21 18:08	1
o-Terphenyl	121		70 - 130				04/30/21 16:12	05/01/21 18:08	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.39		5.00		mg/Kg			05/04/21 05:59	1

Eurofins Xenco, Midland

Client Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-1769-1

Project/Site: EOG - Pitchblende 27 Fed. Com #1

SDG: Eddy County NM

Client Sample ID: AH-6 (0'-1')

Lab Sample ID: 880-1769-10

Date Collected: 04/29/21 00:00

Matrix: Solid

Date Received: 04/30/21 12:35

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/30/21 14:54	05/01/21 08:20	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/30/21 14:54	05/01/21 08:20	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/30/21 14:54	05/01/21 08:20	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		04/30/21 14:54	05/01/21 08:20	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/30/21 14:54	05/01/21 08:20	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		04/30/21 14:54	05/01/21 08:20	1
Total BTEX	<0.00397	U	0.00397		mg/Kg		04/30/21 14:54	05/01/21 08:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130	04/30/21 14:54	05/01/21 08:20	1
1,4-Difluorobenzene (Surr)	110		70 - 130	04/30/21 14:54	05/01/21 08:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/30/21 16:12	05/01/21 18:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/30/21 16:12	05/01/21 18:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/30/21 16:12	05/01/21 18:30	1
Total TPH	<50.0	U	50.0		mg/Kg		04/30/21 16:12	05/01/21 18:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	04/30/21 16:12	05/01/21 18:30	1
o-Terphenyl	130		70 - 130	04/30/21 16:12	05/01/21 18:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.58		5.00		mg/Kg			05/04/21 06:04	1

Eurofins Xenco, Midland

Surrogate Summary

Client: Tetra Tech, Inc.

Job ID: 880-1769-1

Project/Site: EOG - Pitchblende 27 Fed. Com #1

SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-1769-1	H-N (0'-6")	119	89
880-1769-1 MS	H-N (0'-6")	99	98
880-1769-1 MSD	H-N (0'-6")	122	112
880-1769-2	H-S (0'-6")	121	108
880-1769-3	H-E (0'-6")	107	96
880-1769-4	H-W (0'-6")	108	99
880-1769-5	AH-1 (0'-1')	150 S1+	75
880-1769-6	AH-2 (0'-1')	123	115
880-1769-7	AH-3 (0'-1')	132 S1+	111
880-1769-8	AH-4 (0'-1')	131 S1+	107
880-1769-9	AH-5 (0'-1')	126	108
880-1769-10	AH-6 (0'-1')	138 S1+	110
LCS 880-2561/1-A	Lab Control Sample	117	114
LCSD 880-2561/2-A	Lab Control Sample Dup	115	104
MB 880-2477/5-A	Method Blank	75	88
MB 880-2561/5-A	Method Blank	81	90
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)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-1769-1	H-N (0'-6")	102	132 S1+
880-1769-1 MS	H-N (0'-6")	115	128
880-1769-1 MSD	H-N (0'-6")	109	117
880-1769-2	H-S (0'-6")	97	120
880-1769-3	H-E (0'-6")	93	111
880-1769-4	H-W (0'-6")	94	113
880-1769-5	AH-1 (0'-1')	94	114
880-1769-6	AH-2 (0'-1')	94	113
880-1769-7	AH-3 (0'-1')	97	120
880-1769-8	AH-4 (0'-1')	95	118
880-1769-9	AH-5 (0'-1')	98	121
880-1769-10	AH-6 (0'-1')	100	130
LCS 880-2570/2-A	Lab Control Sample	100	115
LCSD 880-2570/3-A	Lab Control Sample Dup	97	113
MB 880-2570/1-A	Method Blank	99	131 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Eurofins Xenco, Midland

QC Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-1769-1

Project/Site: EOG - Pitchblende 27 Fed. Com #1

SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-2477/5-A

Matrix: Solid

Analysis Batch: 2546

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 2477

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/29/21 10:35	04/30/21 14:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/29/21 10:35	04/30/21 14:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/29/21 10:35	04/30/21 14:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/29/21 10:35	04/30/21 14:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/29/21 10:35	04/30/21 14:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/29/21 10:35	04/30/21 14:43	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/29/21 10:35	04/30/21 14:43	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	75		70 - 130	04/29/21 10:35	04/30/21 14:43	1
1,4-Difluorobenzene (Surr)	88		70 - 130	04/29/21 10:35	04/30/21 14:43	1

Lab Sample ID: MB 880-2561/5-A

Matrix: Solid

Analysis Batch: 2546

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 2561

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/30/21 14:54	05/01/21 04:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/30/21 14:54	05/01/21 04:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/30/21 14:54	05/01/21 04:04	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/30/21 14:54	05/01/21 04:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/30/21 14:54	05/01/21 04:04	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/30/21 14:54	05/01/21 04:04	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/30/21 14:54	05/01/21 04:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	04/30/21 14:54	05/01/21 04:04	1
1,4-Difluorobenzene (Surr)	90		70 - 130	04/30/21 14:54	05/01/21 04:04	1

Lab Sample ID: LCS 880-2561/1-A

Matrix: Solid

Analysis Batch: 2546

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 2561

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1034		mg/Kg		103	70 - 130
Toluene	0.100	0.1102		mg/Kg		110	70 - 130
Ethylbenzene	0.100	0.1086		mg/Kg		109	70 - 130
m-Xylene & p-Xylene	0.200	0.1957		mg/Kg		98	70 - 130
o-Xylene	0.100	0.1107		mg/Kg		111	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	114		70 - 130

Eurofins Xenco, Midland

QC Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-1769-1

Project/Site: EOG - Pitchblende 27 Fed. Com #1

SDG: Eddy County NM

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

Lab Sample ID: LCSD 880-2561/2-A

Matrix: Solid

Analysis Batch: 2546

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 2561

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.09620		mg/Kg		96	70 - 130	7	35
Toluene	0.100	0.1036		mg/Kg		104	70 - 130	6	35
Ethylbenzene	0.100	0.1008		mg/Kg		101	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.1814		mg/Kg		91	70 - 130	8	35
o-Xylene	0.100	0.1030		mg/Kg		103	70 - 130	7	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 880-1769-1 MS

Matrix: Solid

Analysis Batch: 2546

Client Sample ID: H-N (0'-6")

Prep Type: Total/NA

Prep Batch: 2561

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	<0.00200	U F2 F1	0.100	0.03013	F1	mg/Kg		30	70 - 130		
Toluene	<0.00200	U F2 F1	0.100	0.03423	F1	mg/Kg		34	70 - 130		
Ethylbenzene	<0.00200	U F2 F1	0.100	0.03919	F1	mg/Kg		39	70 - 130		
m-Xylene & p-Xylene	<0.00401	U F2 F1	0.200	0.07260	F1	mg/Kg		36	70 - 130		
o-Xylene	<0.00200	U F2 F1	0.100	0.04332	F1	mg/Kg		43	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-1769-1 MSD

Matrix: Solid

Analysis Batch: 2546

Client Sample ID: H-N (0'-6")

Prep Type: Total/NA

Prep Batch: 2561

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	<0.00200	U F2 F1	0.100	0.06319	F2 F1	mg/Kg		63	70 - 130	71	35
Toluene	<0.00200	U F2 F1	0.100	0.05684	F2 F1	mg/Kg		57	70 - 130	50	35
Ethylbenzene	<0.00200	U F2 F1	0.100	0.06865	F2 F1	mg/Kg		68	70 - 130	55	35
m-Xylene & p-Xylene	<0.00401	U F2 F1	0.201	0.1253	F2 F1	mg/Kg		62	70 - 130	53	35
o-Xylene	<0.00200	U F2 F1	0.100	0.07250	F2	mg/Kg		72	70 - 130	50	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	122		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Eurofins Xenco, Midland

QC Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-1769-1

Project/Site: EOG - Pitchblende 27 Fed. Com #1

SDG: Eddy County NM

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

Lab Sample ID: MB 880-2570/1-A

Matrix: Solid

Analysis Batch: 2593

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 2570

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/30/21 16:12	05/01/21 13:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/30/21 16:12	05/01/21 13:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/30/21 16:12	05/01/21 13:08	1
Total TPH	<50.0	U	50.0		mg/Kg		04/30/21 16:12	05/01/21 13:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	04/30/21 16:12	05/01/21 13:08	1
o-Terphenyl	131	S1+	70 - 130	04/30/21 16:12	05/01/21 13:08	1

Lab Sample ID: LCS 880-2570/2-A

Matrix: Solid

Analysis Batch: 2593

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 2570

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1093		mg/Kg		109	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1095		mg/Kg		110	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	115		70 - 130

Lab Sample ID: LCSD 880-2570/3-A

Matrix: Solid

Analysis Batch: 2593

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 2570

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1079		mg/Kg		108	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	1081		mg/Kg		108	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	113		70 - 130

Lab Sample ID: 880-1769-1 MS

Matrix: Solid

Analysis Batch: 2593

Client Sample ID: H-N (0'-6")

Prep Type: Total/NA

Prep Batch: 2570

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	998	1326	F1	mg/Kg		131	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U F1	998	1387	F1	mg/Kg		139	70 - 130

Eurofins Xenco, Midland

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: EOG - Pitchblende 27 Fed. Com #1

Job ID: 880-1769-1
SDG: Eddy County NM

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

Lab Sample ID: 880-1769-1 MS

Matrix: Solid

Analysis Batch: 2593

Client Sample ID: H-N (0'-6")

Prep Type: Total/NA

Prep Batch: 2570

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	115		70 - 130
o-Terphenyl	128		70 - 130

Lab Sample ID: 880-1769-1 MSD

Matrix: Solid

Analysis Batch: 2593

Client Sample ID: H-N (0'-6")

Prep Type: Total/NA

Prep Batch: 2570

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	998	1283		mg/Kg		127	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	998	1300		mg/Kg		130	70 - 130	7	20
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	109		70 - 130								
o-Terphenyl	117		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-2566/1-A

Matrix: Solid

Analysis Batch: 2661

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<5.00	U	5.00		mg/Kg			05/04/21 04:42	1	

Lab Sample ID: LCS 880-2566/2-A

Matrix: Solid

Analysis Batch: 2661

Client Sample ID: Lab Control Sample

Prep Type: Soluble

	Spike	LCS	LCS					%Rec.		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Chloride	250	249.4		mg/Kg		100	90 - 110			

Lab Sample ID: LCSD 880-2566/3-A

Matrix: Solid

Analysis Batch: 2661

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

	Spike	LCSD	LCSD					%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	249.0		mg/Kg		100	90 - 110	0	20	

Lab Sample ID: 880-1769-1 MS

Matrix: Solid

Analysis Batch: 2661

Client Sample ID: H-N (0'-6")

Prep Type: Soluble

	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	287		253	535.3		mg/Kg		98	90 - 110		

Eurofins Xenco, Midland

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: EOG - Pitchblende 27 Fed. Com #1

Job ID: 880-1769-1
SDG: Eddy County NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-1769-1 MSD					Client Sample ID: H-N (0'-6")							
Matrix: Solid					Prep Type: Soluble							
Analysis Batch: 2661												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit	
Chloride	287		253	535.2		mg/Kg		98	90 - 110	0	20	

QC Association Summary

Client: Tetra Tech, Inc.

Job ID: 880-1769-1

Project/Site: EOG - Pitchblende 27 Fed. Com #1

SDG: Eddy County NM

GC VOA

Prep Batch: 2477

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-2477/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 2546

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1769-1	H-N (0'-6")	Total/NA	Solid	8021B	2561
880-1769-2	H-S (0'-6")	Total/NA	Solid	8021B	2561
880-1769-3	H-E (0'-6")	Total/NA	Solid	8021B	2561
880-1769-4	H-W (0'-6")	Total/NA	Solid	8021B	2561
880-1769-5	AH-1 (0'-1')	Total/NA	Solid	8021B	2561
880-1769-6	AH-2 (0'-1')	Total/NA	Solid	8021B	2561
880-1769-7	AH-3 (0'-1')	Total/NA	Solid	8021B	2561
880-1769-8	AH-4 (0'-1')	Total/NA	Solid	8021B	2561
880-1769-9	AH-5 (0'-1')	Total/NA	Solid	8021B	2561
880-1769-10	AH-6 (0'-1')	Total/NA	Solid	8021B	2561
MB 880-2477/5-A	Method Blank	Total/NA	Solid	8021B	2477
MB 880-2561/5-A	Method Blank	Total/NA	Solid	8021B	2561
LCS 880-2561/1-A	Lab Control Sample	Total/NA	Solid	8021B	2561
LCSD 880-2561/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	2561
880-1769-1 MS	H-N (0'-6")	Total/NA	Solid	8021B	2561
880-1769-1 MSD	H-N (0'-6")	Total/NA	Solid	8021B	2561

Prep Batch: 2561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1769-1	H-N (0'-6")	Total/NA	Solid	5035	
880-1769-2	H-S (0'-6")	Total/NA	Solid	5035	
880-1769-3	H-E (0'-6")	Total/NA	Solid	5035	
880-1769-4	H-W (0'-6")	Total/NA	Solid	5035	
880-1769-5	AH-1 (0'-1')	Total/NA	Solid	5035	
880-1769-6	AH-2 (0'-1')	Total/NA	Solid	5035	
880-1769-7	AH-3 (0'-1')	Total/NA	Solid	5035	
880-1769-8	AH-4 (0'-1')	Total/NA	Solid	5035	
880-1769-9	AH-5 (0'-1')	Total/NA	Solid	5035	
880-1769-10	AH-6 (0'-1')	Total/NA	Solid	5035	
MB 880-2561/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-2561/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-2561/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-1769-1 MS	H-N (0'-6")	Total/NA	Solid	5035	
880-1769-1 MSD	H-N (0'-6")	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 2570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1769-1	H-N (0'-6")	Total/NA	Solid	8015NM Prep	
880-1769-2	H-S (0'-6")	Total/NA	Solid	8015NM Prep	
880-1769-3	H-E (0'-6")	Total/NA	Solid	8015NM Prep	
880-1769-4	H-W (0'-6")	Total/NA	Solid	8015NM Prep	
880-1769-5	AH-1 (0'-1')	Total/NA	Solid	8015NM Prep	
880-1769-6	AH-2 (0'-1')	Total/NA	Solid	8015NM Prep	
880-1769-7	AH-3 (0'-1')	Total/NA	Solid	8015NM Prep	
880-1769-8	AH-4 (0'-1')	Total/NA	Solid	8015NM Prep	

Eurofins Xenco, Midland

QC Association Summary

Client: Tetra Tech, Inc.

Job ID: 880-1769-1

Project/Site: EOG - Pitchblende 27 Fed. Com #1

SDG: Eddy County NM

GC Semi VOA (Continued)

Prep Batch: 2570 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1769-9	AH-5 (0'-1')	Total/NA	Solid	8015NM Prep	
880-1769-10	AH-6 (0'-1')	Total/NA	Solid	8015NM Prep	
MB 880-2570/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-2570/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-2570/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-1769-1 MS	H-N (0'-6")	Total/NA	Solid	8015NM Prep	
880-1769-1 MSD	H-N (0'-6")	Total/NA	Solid	8015NM Prep	

Analysis Batch: 2593

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1769-1	H-N (0'-6")	Total/NA	Solid	8015B NM	2570
880-1769-2	H-S (0'-6")	Total/NA	Solid	8015B NM	2570
880-1769-3	H-E (0'-6")	Total/NA	Solid	8015B NM	2570
880-1769-4	H-W (0'-6")	Total/NA	Solid	8015B NM	2570
880-1769-5	AH-1 (0'-1')	Total/NA	Solid	8015B NM	2570
880-1769-6	AH-2 (0'-1')	Total/NA	Solid	8015B NM	2570
880-1769-7	AH-3 (0'-1')	Total/NA	Solid	8015B NM	2570
880-1769-8	AH-4 (0'-1')	Total/NA	Solid	8015B NM	2570
880-1769-9	AH-5 (0'-1')	Total/NA	Solid	8015B NM	2570
880-1769-10	AH-6 (0'-1')	Total/NA	Solid	8015B NM	2570
MB 880-2570/1-A	Method Blank	Total/NA	Solid	8015B NM	2570
LCS 880-2570/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	2570
LCSD 880-2570/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	2570
880-1769-1 MS	H-N (0'-6")	Total/NA	Solid	8015B NM	2570
880-1769-1 MSD	H-N (0'-6")	Total/NA	Solid	8015B NM	2570

HPLC/IC

Leach Batch: 2566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1769-1	H-N (0'-6")	Soluble	Solid	DI Leach	
880-1769-2	H-S (0'-6")	Soluble	Solid	DI Leach	
880-1769-3	H-E (0'-6")	Soluble	Solid	DI Leach	
880-1769-4	H-W (0'-6")	Soluble	Solid	DI Leach	
880-1769-5	AH-1 (0'-1')	Soluble	Solid	DI Leach	
880-1769-6	AH-2 (0'-1')	Soluble	Solid	DI Leach	
880-1769-7	AH-3 (0'-1')	Soluble	Solid	DI Leach	
880-1769-8	AH-4 (0'-1')	Soluble	Solid	DI Leach	
880-1769-9	AH-5 (0'-1')	Soluble	Solid	DI Leach	
880-1769-10	AH-6 (0'-1')	Soluble	Solid	DI Leach	
MB 880-2566/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-2566/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-2566/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-1769-1 MS	H-N (0'-6")	Soluble	Solid	DI Leach	
880-1769-1 MSD	H-N (0'-6")	Soluble	Solid	DI Leach	

Analysis Batch: 2661

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1769-1	H-N (0'-6")	Soluble	Solid	300.0	2566
880-1769-2	H-S (0'-6")	Soluble	Solid	300.0	2566
880-1769-3	H-E (0'-6")	Soluble	Solid	300.0	2566

Eurofins Xenco, Midland

QC Association Summary

Client: Tetra Tech, Inc.

Job ID: 880-1769-1

Project/Site: EOG - Pitchblende 27 Fed. Com #1

SDG: Eddy County NM

HPLC/IC (Continued)

Analysis Batch: 2661 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1769-4	H-W (0'-6")	Soluble	Solid	300.0	2566
880-1769-5	AH-1 (0'-1')	Soluble	Solid	300.0	2566
880-1769-6	AH-2 (0'-1')	Soluble	Solid	300.0	2566
880-1769-7	AH-3 (0'-1')	Soluble	Solid	300.0	2566
880-1769-8	AH-4 (0'-1')	Soluble	Solid	300.0	2566
880-1769-9	AH-5 (0'-1')	Soluble	Solid	300.0	2566
880-1769-10	AH-6 (0'-1')	Soluble	Solid	300.0	2566
MB 880-2566/1-A	Method Blank	Soluble	Solid	300.0	2566
LCS 880-2566/2-A	Lab Control Sample	Soluble	Solid	300.0	2566
LCSD 880-2566/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2566
880-1769-1 MS	H-N (0'-6")	Soluble	Solid	300.0	2566
880-1769-1 MSD	H-N (0'-6")	Soluble	Solid	300.0	2566

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: EOG - Pitchblende 27 Fed. Com #1

Job ID: 880-1769-1
SDG: Eddy County NM

Client Sample ID: H-N (0'-6")

Lab Sample ID: 880-1769-1

Date Collected: 04/29/21 00:00

Matrix: Solid

Date Received: 04/30/21 12:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2561	04/30/21 14:54	KL	XM
Total/NA	Analysis	8021B		1	2546	05/01/21 04:30	MR	XM
Total/NA	Prep	8015NM Prep			2570	04/30/21 16:12	DM	XM
Total/NA	Analysis	8015B NM		1	2593	05/01/21 14:31	AJ	XM
Soluble	Leach	DI Leach			2566	04/30/21 15:06	CH	XM
Soluble	Analysis	300.0		1	2661	05/04/21 04:57	WP	XM

Client Sample ID: H-S (0'-6")

Lab Sample ID: 880-1769-2

Date Collected: 04/29/21 00:00

Matrix: Solid

Date Received: 04/30/21 12:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2561	04/30/21 14:54	KL	XM
Total/NA	Analysis	8021B		1	2546	05/01/21 04:55	MR	XM
Total/NA	Prep	8015NM Prep			2570	04/30/21 16:12	DM	XM
Total/NA	Analysis	8015B NM		1	2593	05/01/21 15:36	AJ	XM
Soluble	Leach	DI Leach			2566	04/30/21 15:06	CH	XM
Soluble	Analysis	300.0		1	2661	05/04/21 05:12	WP	XM

Client Sample ID: H-E (0'-6")

Lab Sample ID: 880-1769-3

Date Collected: 04/29/21 00:00

Matrix: Solid

Date Received: 04/30/21 12:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2561	04/30/21 14:54	KL	XM
Total/NA	Analysis	8021B		1	2546	05/01/21 05:21	MR	XM
Total/NA	Prep	8015NM Prep			2570	04/30/21 16:12	DM	XM
Total/NA	Analysis	8015B NM		1	2593	05/01/21 15:58	AJ	XM
Soluble	Leach	DI Leach			2566	04/30/21 15:06	CH	XM
Soluble	Analysis	300.0		1	2661	05/04/21 05:18	WP	XM

Client Sample ID: H-W (0'-6")

Lab Sample ID: 880-1769-4

Date Collected: 04/29/21 00:00

Matrix: Solid

Date Received: 04/30/21 12:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2561	04/30/21 14:54	KL	XM
Total/NA	Analysis	8021B		1	2546	05/01/21 05:46	MR	XM
Total/NA	Prep	8015NM Prep			2570	04/30/21 16:12	DM	XM
Total/NA	Analysis	8015B NM		1	2593	05/01/21 16:20	AJ	XM
Soluble	Leach	DI Leach			2566	04/30/21 15:06	CH	XM
Soluble	Analysis	300.0		1	2661	05/04/21 05:23	WP	XM

Eurofins Xenco, Midland

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: EOG - Pitchblende 27 Fed. Com #1

Job ID: 880-1769-1
SDG: Eddy County NM

Client Sample ID: AH-1 (0'-1')

Lab Sample ID: 880-1769-5

Date Collected: 04/29/21 00:00

Matrix: Solid

Date Received: 04/30/21 12:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2561	04/30/21 14:54	KL	XM
Total/NA	Analysis	8021B		1	2546	05/01/21 06:11	MR	XM
Total/NA	Prep	8015NM Prep			2570	04/30/21 16:12	DM	XM
Total/NA	Analysis	8015B NM		1	2593	05/01/21 16:42	AJ	XM
Soluble	Leach	DI Leach			2566	04/30/21 15:06	CH	XM
Soluble	Analysis	300.0		1	2661	05/04/21 05:28	WP	XM

Client Sample ID: AH-2 (0'-1')

Lab Sample ID: 880-1769-6

Date Collected: 04/29/21 00:00

Matrix: Solid

Date Received: 04/30/21 12:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2561	04/30/21 14:54	KL	XM
Total/NA	Analysis	8021B		1	2546	05/01/21 06:36	MR	XM
Total/NA	Prep	8015NM Prep			2570	04/30/21 16:12	DM	XM
Total/NA	Analysis	8015B NM		1	2593	05/01/21 17:04	AJ	XM
Soluble	Leach	DI Leach			2566	04/30/21 15:06	CH	XM
Soluble	Analysis	300.0		1	2661	05/04/21 05:43	WP	XM

Client Sample ID: AH-3 (0'-1')

Lab Sample ID: 880-1769-7

Date Collected: 04/29/21 00:00

Matrix: Solid

Date Received: 04/30/21 12:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2561	04/30/21 14:54	KL	XM
Total/NA	Analysis	8021B		1	2546	05/01/21 07:02	MR	XM
Total/NA	Prep	8015NM Prep			2570	04/30/21 16:12	DM	XM
Total/NA	Analysis	8015B NM		1	2593	05/01/21 17:25	AJ	XM
Soluble	Leach	DI Leach			2566	04/30/21 15:06	CH	XM
Soluble	Analysis	300.0		1	2661	05/04/21 05:48	WP	XM

Client Sample ID: AH-4 (0'-1')

Lab Sample ID: 880-1769-8

Date Collected: 04/29/21 00:00

Matrix: Solid

Date Received: 04/30/21 12:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2561	04/30/21 14:54	KL	XM
Total/NA	Analysis	8021B		1	2546	05/01/21 07:28	MR	XM
Total/NA	Prep	8015NM Prep			2570	04/30/21 16:12	DM	XM
Total/NA	Analysis	8015B NM		1	2593	05/01/21 17:47	AJ	XM
Soluble	Leach	DI Leach			2566	04/30/21 15:06	CH	XM
Soluble	Analysis	300.0		1	2661	05/04/21 05:54	WP	XM

Eurofins Xenco, Midland

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: EOG - Pitchblende 27 Fed. Com #1

Job ID: 880-1769-1
SDG: Eddy County NM

Client Sample ID: AH-5 (0'-1')

Lab Sample ID: 880-1769-9

Date Collected: 04/29/21 00:00

Matrix: Solid

Date Received: 04/30/21 12:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2561	04/30/21 14:54	KL	XM
Total/NA	Analysis	8021B		1	2546	05/01/21 07:54	MR	XM
Total/NA	Prep	8015NM Prep			2570	04/30/21 16:12	DM	XM
Total/NA	Analysis	8015B NM		1	2593	05/01/21 18:08	AJ	XM
Soluble	Leach	DI Leach			2566	04/30/21 15:06	CH	XM
Soluble	Analysis	300.0		1	2661	05/04/21 05:59	WP	XM

Client Sample ID: AH-6 (0'-1')

Lab Sample ID: 880-1769-10

Date Collected: 04/29/21 00:00

Matrix: Solid

Date Received: 04/30/21 12:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2561	04/30/21 14:54	KL	XM
Total/NA	Analysis	8021B		1	2546	05/01/21 08:20	MR	XM
Total/NA	Prep	8015NM Prep			2570	04/30/21 16:12	DM	XM
Total/NA	Analysis	8015B NM		1	2593	05/01/21 18:30	AJ	XM
Soluble	Leach	DI Leach			2566	04/30/21 15:06	CH	XM
Soluble	Analysis	300.0		1	2661	05/04/21 06:04	WP	XM

Laboratory References:

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

Accreditation/Certification Summary

Client: Tetra Tech, Inc.
Project/Site: EOG - Pitchblende 27 Fed. Com #1

Job ID: 880-1769-1
SDG: Eddy County NM

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: Tetra Tech, Inc.

Job ID: 880-1769-1

Project/Site: EOG - Pitchblende 27 Fed. Com #1

SDG: Eddy County NM

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

Eurofins Xenco, Midland

Sample Summary

Client: Tetra Tech, Inc.

Job ID: 880-1769-1

Project/Site: EOG - Pitchblende 27 Fed. Com #1

SDG: Eddy County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
880-1769-1	H-N (0'-6")	Solid	04/29/21 00:00	04/30/21 12:35	
880-1769-2	H-S (0'-6")	Solid	04/29/21 00:00	04/30/21 12:35	
880-1769-3	H-E (0'-6")	Solid	04/29/21 00:00	04/30/21 12:35	
880-1769-4	H-W (0'-6")	Solid	04/29/21 00:00	04/30/21 12:35	
880-1769-5	AH-1 (0'-1')	Solid	04/29/21 00:00	04/30/21 12:35	
880-1769-6	AH-2 (0'-1')	Solid	04/29/21 00:00	04/30/21 12:35	
880-1769-7	AH-3 (0'-1')	Solid	04/29/21 00:00	04/30/21 12:35	
880-1769-8	AH-4 (0'-1')	Solid	04/29/21 00:00	04/30/21 12:35	
880-1769-9	AH-5 (0'-1')	Solid	04/29/21 00:00	04/30/21 12:35	
880-1769-10	AH-6 (0'-1')	Solid	04/29/21 00:00	04/30/21 12:35	

Analysis Request of Chain of Custody Record



Tetra Tech. Inc.

880-1769 Chain of Custody
Fax (432) 962-3946

Page 1 of 1

5/5/2021

Client Name		EOG		Site Manager		Paula Tocora	
Project Name		Pitchblende 27 Fed Com #1		Project #:		212C-MD-02419	
Project Location (county, state)		Eddy County, New Mexico		Invoice to		EOG, Attention James Kennedy	
Receiving Laboratory		Eurofins Xenco		Sampler Signature		Colton Bickerstaff	
Comments							

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS	FILTERED (Y/N)
		YEAR	DATE	TIME	WATER	SOIL	HCL		
	H-N (0"-6")		4/29/2021		X			X	
	H-S (0"-6")		4/29/2021		X			X	
	H-E (0"-6")		4/29/2021		X			X	
	H-W (0"-6")		4/29/2021		X			X	
	AH-1 (0'-1')		4/29/2021		X			X	
	AH-2 (0'-1')		4/29/2021		X			X	
	AH-3 (0'-1')		4/29/2021		X			X	
	AH-4 (0'-1')		4/29/2021		X			X	
	AH-5 (0'-1')		4/29/2021		X			X	
	AH-6 (0'-1')		4/29/2021		X			X	

Relinquished by:	Date	Time	Received by:	Date	Time
Colton Bickerstaff	4/30/21	12:35	Kelvin	4/30/21	12:35
Relinquished by:	Date	Time	Received by:	Date	Time

Relinquished by:	Date	Time	Received by:	Date	Time

LAB USE ONLY	REMARKS
Sample Temperature 3.8/4.3	<input checked="" type="checkbox"/> RUSH Same Day 24 hr 48 hr (72 hr) <input type="checkbox"/> Rush Charges Authorized <input type="checkbox"/> Special Report Limits or TRRP Report
+0.5	

ORIGINAL COPY

(Circle or Specify Method No.)

880-1769

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 880-1769-1
SDG Number: Eddy County NM

Login Number: 1769

List Number: 1

Creator: Phillips, Kerianna

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
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.	False	No date or time on COC or sample containers
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").	N/A	

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 56126

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 56126
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	9/13/2022