Site Information

Closure Report
Hanagan APL Federal Com #3H
Eddy County, New Mexico
Unit M Sec 31 T19S R30E
2RP-2239
32.61749°, -104.019409°

Brine Water Release
Source: drill stem during drilling operations.
Release Date: 1/16/2014
Volume Released: 75 bbls/BW
Volume Recovered: 55 bbls/BW

Prepared for:
EOG Resources
5509 Champions Dr.
Midland, TX 79706

Prepared by:
NTG Environmental
701 Tradewinds Blvd
Suite C
Midland, TX 79706

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701 Tradewinds Boulevard, Suite C
Midland, Texas 79706
Tel. 432.685.3898
www.ntglobal.com

May 12, 2021

Mr. Bradford Billings
New Mexico Oil Conservation Division
5200 Oakland Ave N.E Suite100
Albuquerque, NM 87113

Re: Closure Report
Hanagan APL Federal Com #3H 2RP-2239
EOG Resources Inc.
Site Location: Unit M, S31, T19S, R30E
(Lat 32.61749º, Long -104.019409º)
Eddy County, New Mexico

To whom it may concern:

On behalf of EOG Resources Inc. (EOG), New Tech Global Environmental, LLC (NTGE) has prepared this letter to document site assessment activities for the Hanagan APL Federal Com #3H 2RP-2239. The site is located at 32.61749 º, -104.019409º within Unit M, S31, T19S, R30E, and approximately 27.25 miles southeast of Artesia, New Mexico, in Eddy County (Figures 1 and 2).

Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the leak was discovered on January 1, 2014. It resulted in the release of approximately 75 barrels of brine water being released during drilling operations. The crew onsite was utilized using squeegees to push fluids to a nearby flow ditch to the well cellar, and 55 barrels of liquids were recovered. The impacted area measured approximately 95' x 55', as shown on Figure 3. The initial C-141 form is attached in Appendix A.

Site Characterization

The site is located within a high karst area. Based on a review of the New Mexico Office of State Engineer's and USGS databases, there is one known water source within ½ miles radius of the location. The nearest identified well is located approximately 0.22 miles northeast of the site within S31, T19S, R30E. The well has a reported depth to groundwater of 115 feet below ground surface (ft bgs). A copy of the associated *Point of Diversion Summary* report is attached in Appendix B.

Regulatory Criteria

In accordance with the NMOCD regulatory criteria established in 19.15.29.12 NMAC, the following criteria were utilized in assessing the site.

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 100 mg/kg (GRO + DRO + MRO).
- Chloride 600 mg/kg

Site Assessment

On April 12, 2021, NTGE conducted site assessment activities to assess soil impacts resulting from the release. A total of seven sample points were advanced to depths ranging 0 – 2.5 ft bgs within and surrounding the release area to assess the vertical and horizontal extent of potential impacts. The soil sample locations are shown on figure 3.

The soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Xenco Laboratories in Midland, Texas, for chemical analysis. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015 modified, benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports containing analytical methods, results, and chain-of-custody documents are attached in Appendix C. The analytical results are provided in Table 1.

All samples are below the NMOCD regulatory criteria for TPH, benzene, BTEX, and chloride based on the analytical results.

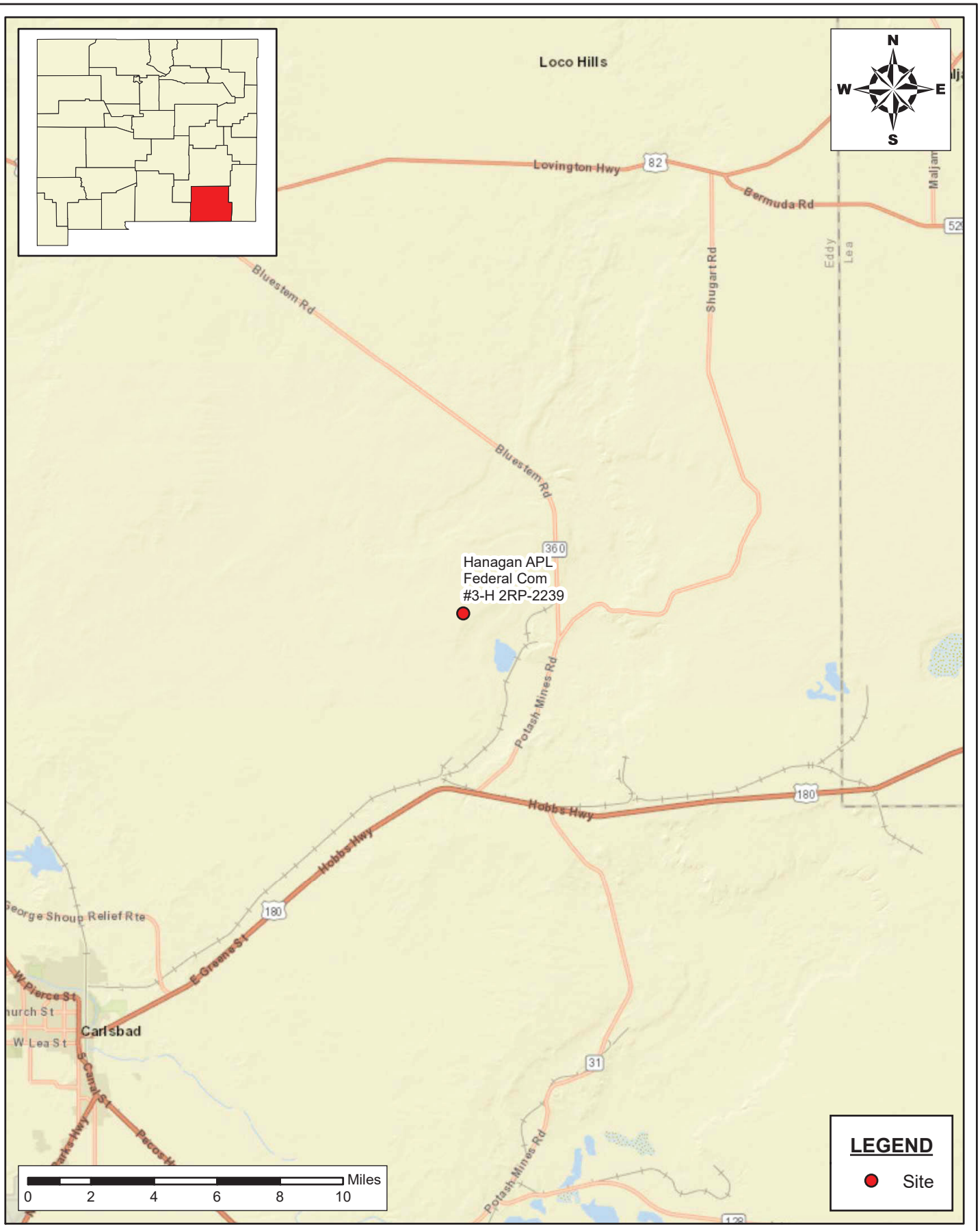
Conclusions

Based on the finding of the assessment and the analytical results, no further actions are required at the site. The final C-141 is attached, and EOG formally requests closure of the spill. If you have any questions regarding this report or need additional information, please contact us at 432-813-0263.

Sincerely,
NTG Environmental

Mike Carmona
Senior Project Manager

Figures



SITE LOCATION MAP
EOG RESOURCES
HANAGAN APL FEDERAL COM #3H 2RP-2239
EDDY COUNTY, NM
32.61749, -104.019409

SCALE: AS SHOWN	DATE: 04/15/2021	PROJECT #: 214125

New Tech Global Environmental, LLC
911 Regional Park Drive
Houston, Texas 77060
T - 281.872.9300
F - 281.872.4521
Web: www.ntglobal.com

NOTES:
1. Base Image: ESRI Maps & Data 2017
2. Map Projection: NAD 1983

DRAWING NUMBER:
FIGURE 1
SHEET NUMBER:
1 of 1

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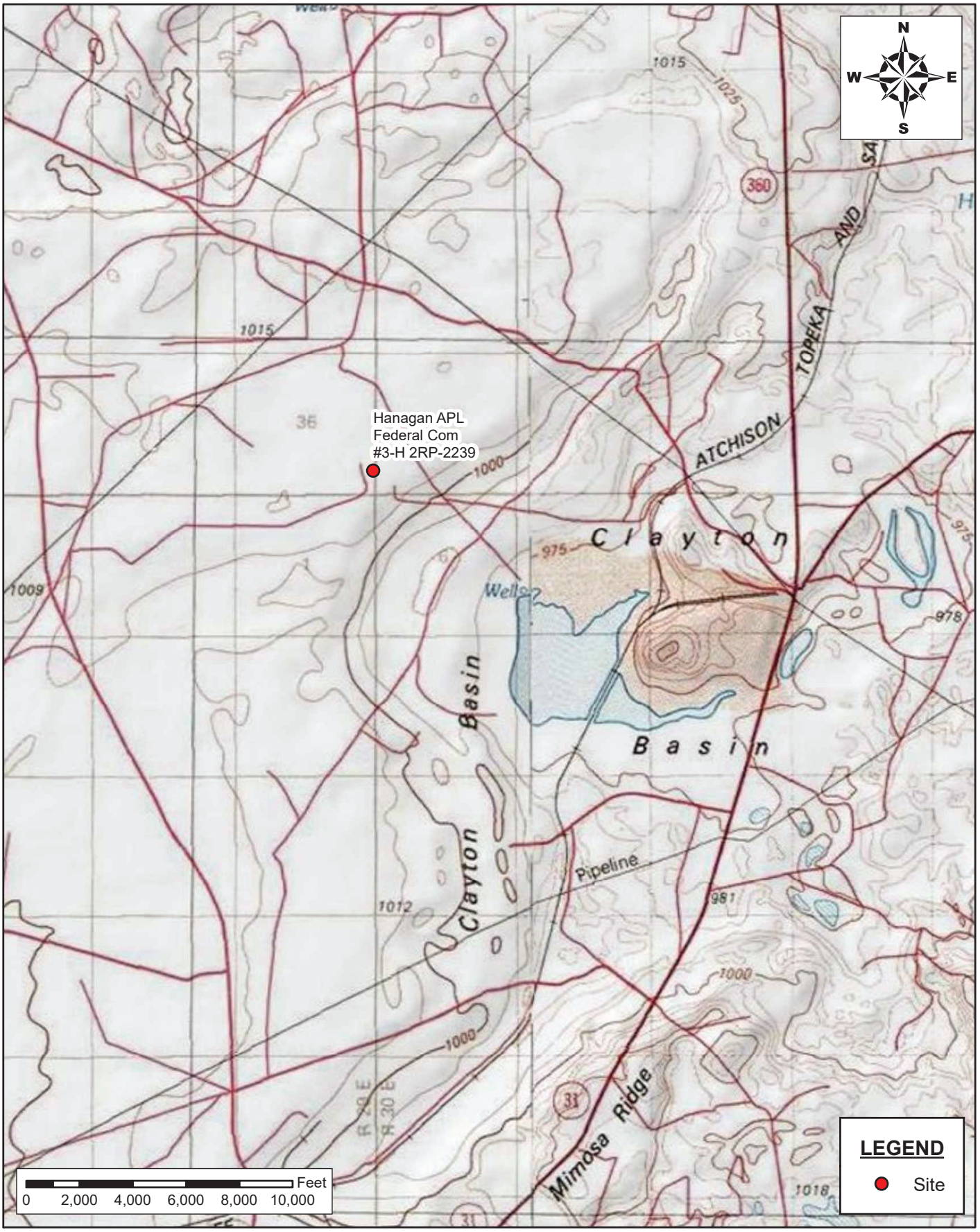

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AREA MAP
EOG RESOURCES
HANAGAN APL FEDERAL COM #3H 2RP-2239
EDDY COUNTY, NM
32.61749, -104.019409

SCALE: AS SHOWN	DATE: 04/15/2021	PROJECT #: 214125

New Tech Global Environmental, LLC
911 Regional Park Drive
Houston, Texas 77060
T - 281.872.9300
F - 281.872.4521
Web: www.ntglobal.com

NOTES:
1. Base Image: ESRI Maps & Data 2017
2. Map Projection: NAD 1983

DRAWING NUMBER:
FIGURE 2
SHEET NUMBER:
1 of 1

SAMPLE LOCATION MAP
EOG RESOURCES
HANAGAN APL FEDERAL COM #3H 2RP-2239
EDDY COUNTY, NM
32.61749, -104.019409

SCALE: AS SHOWN	DATE: 04/15/2021	PROJECT #: 214125

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Web: www.ntglobal.com

NOTES:
1. Base Image: ESRI Maps & Data 2017
2. Map Projection: NAD 1983

DRAWING NUMBER:
FIGURE 3
SHEET NUMBER:
1 of 1

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Tables

Table 1
EOG Resources
Hanagan APL Federal Com #3H
Eddy County, New Mexico

Sample ID	Date	Sample Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	4/12/2021	0-1	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	193
	"	1-1.5	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	278
	"	2-2.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	184
S-2	4/12/2021	0-1	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	17.5
	"	1-1.5	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00202	13.4
	"	2-2.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	28.6
S-3	4/12/2021	0-1	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00198	382
	"	1-1.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	507
	"	2-2.5	56.8	<49.8	<49.8	56.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	510
H-1	4/12/2021	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00200	199
H-2	4/12/2021	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00200	91.5
H-3	4/12/2021	0-0.5	57.5	<49.8	<49.8	57.5	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	282
H-4	4/12/2021	0-0.5	52.5	<49.9	<49.9	52.5	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	373
Regulatory Limits						**100 mg/kg**	**10 mg/kg**	-	-	-	**50 mg/kg**	**600 mg/kg**

(-) Not Analyzed

A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

Photo Log

PHOTOGRAPHIC LOG

EOG Resources

Photograph No. 1

Facility: Hanagan APL Federal Com #3H

County: Eddy County, New Mexico

Description:
View of sampled release area.

Photograph No. 2

Facility: Hanagan APL Federal Com #3H

County: Eddy County, New Mexico

Description:
View of sampled release area.

Photograph No. 3

Facility: Hanagan APL Federal Com #3H

County: Eddy County, New Mexico

Description:
View of sampled release area.

Appendix A

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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

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

RECEIVED
JAN 28 2014
NMOCD ARTESIA

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

nHmp1409130181

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	OGRID Number	Contact
Yates Petroleum Corporation	25575	Chase Settle
Address		Telephone No.
104 S. 4TH Street		575-748-4171
Facility Name	API Number	Facility Type
Hanagan APL Federal Com #3-H	30-015-39801	Battery

Surface Owner	Mineral Owner	Lease No.
Federal	Federal	NM-62211

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	31	19S	30E	660	South	180	West	Eddy

Latitude 32.61140 **Longitude** -104.01875

NATURE OF RELEASE

Type of Release	Volume of Release	Volume Recovered
Brine Water	75 B/BW	55 B/BW
Source of Release	Date and Hour of Occurrence	Date and Hour of Discovery
Drilling operations	01/16/2014; AM	01/16/2014; AM
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Mike Bratcher, Randy Dade, Jim Amos	
By Whom? Robert Asher	Date and Hour 01/17/2014; 8:58 AM	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. N/A	

If a Watercourse was Impacted, Describe Fully.*
N/A

Describe Cause of Problem and Remedial Action Taken.*
During drilling operations an air pocket caused a release of brine water by forcing the fluid back up the drill stem. Crews used squeegees to push fluid to the nearest flow ditches to the well cellar in order to collect the brine water and transport back to pits.

Describe Area Affected and Cleanup Action Taken.*
An approximate area of 95' X 55' around the drill stem. Vertical and horizontal delineation samples will be taken and analysis ran for TPH & BTEX (chlorides for documentation). If initial analytical results for TPH & BTEX are under RRAL's (site ranking is 10) a Final Report, C-141 will be submitted to the OCD requesting closure. If the analytical results are above the RRAL a work plan will be submitted to the OCD. **Depth to Ground Water: 50-99' (70', Section 31, T19S-R30E, Chevron Texaco Trend Map), Wellhead Protection Area: No, Distance to Surface Water Body: > 1000', SITE RANKING IS 10.**

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:

Printed Name: Chase Settle

Title: NM Environmental Regulatory Supervisor

E-mail Address: csettle@yatespetroleum.com

Date: Tuesday, January 28, 2014 Phone: 575-748-4171

* Attach Additional Sheets If Necessary

OIL CONSERVATION DIVISION

Approved by District Supervisor:

Approval Date: 4-1-14 Expiration Date: NA

Conditions of Approval:
Remediation per OCD Rule & Guidelines. **SUBMIT REMEDIATION PROPOSAL NO LATER THAN:** 5-1-14

Attached ☐

2RP-2239

Bratcher, Mike, EMNRD

From: Chase Settle <CSettle@yatespetroleum.com>
Sent: Tuesday, January 28, 2014 1:10 PM
To: Bratcher, Mike, EMNRD; Duncan Whitlock (dwhitloc@blm.gov)
Cc: Bob Asher; jamos@blm.gov
Subject: Hanagan APL Federal Com. #3-H C141
Attachments: C141 Hanagan APL Fed Com #3-H (1-28-14 Initial).pdf

Mr. Bratcher,

Please find attached the C141 Initial for the release mentioned below.

Hanagan APL Federal Com. #3-H
30-015-39801
Section 31, T19S-R30E
Eddy County, New Mexico

Released: Approximately 75 B/Brine Water; Recovered: 55 B/Brine Water

Thanks,

Chase Settle
Environmental Regulatory Agent
Yates Petroleum Corporation
105 S. 4th Street
Artesia, NM 88210
575-748-4171 (Office)
575-703-6537 (Cell)

Bratcher, Mike, EMNRD

From: Bob Asher <BobA@yatespetroleum.com>
Sent: Friday, January 17, 2014 8:58 AM
To: Bratcher, Mike, EMNRD; Dade, Randy, EMNRD; jamos@blm.gov
Cc: Amber Cannon; Chase Settle; Katie Parker; Lupe Carrasco
Subject: Release (Hanagan APL Federal Com. #3-H)

Yates Petroleum Corporation is reporting a release at the following location (1/16/2014).

Hanagan APL Federal Com. #3-H
30-015-39801
Section 31, T19S-R30E
Eddy County, New Mexico

Released: Approximately 75 B/Brine Water; Recovered: 55 B/Brine Water

Release of brine water occurred during drilling operations. Vacuum truck(s) were called.

A Form C-141 Initial will be submitted with complete information.

Thank you.

Robert Asher
NM Environmental Regulatory Supervisor
Yates Petroleum Corporation
105 S. 4th Street
Artesia, NM 88210
575-748-4217 (Office)
575-365-4021 (Cell)

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	2RP-2239
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?	115 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☑ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☑ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☑ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☑ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☑ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☑ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☑ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☑ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☑ Yes ☐ No

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	2RP-2239
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: James Kennedy Title: Environmental Specialist

Signature: James Kennedy Date: 5/13/2021

email: James_Kennedy@eogresources.com Telephone: 432.848.9146

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	2RP-2239
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: JAmes Kennedy Title: Environmental Specialist

Signature: James Kennedy Date: 5/13/2021

email: James_Kennedy@eogresources.com Telephone: 432.848.9146

OCD Only

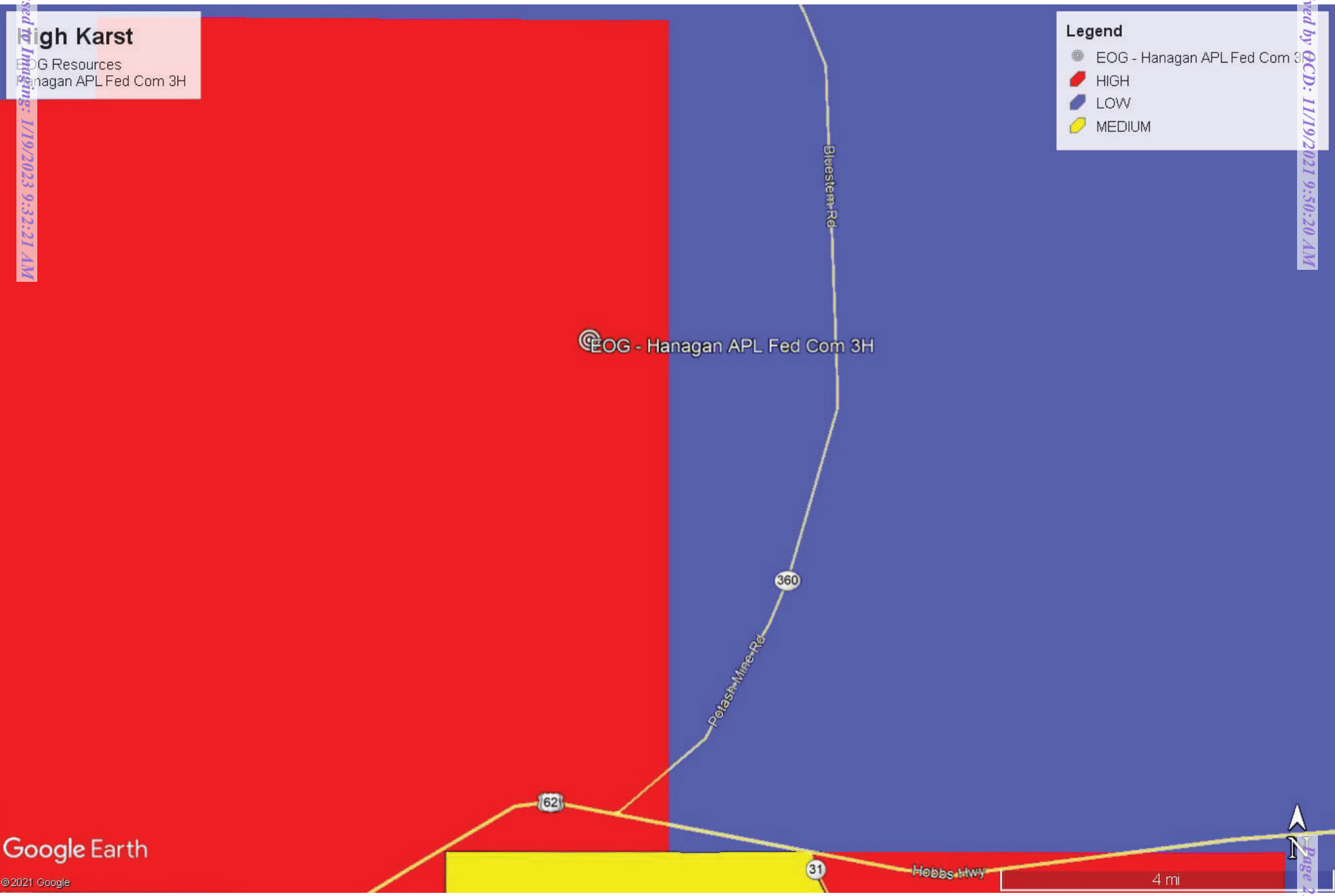
Received by: _____ Date: _____

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

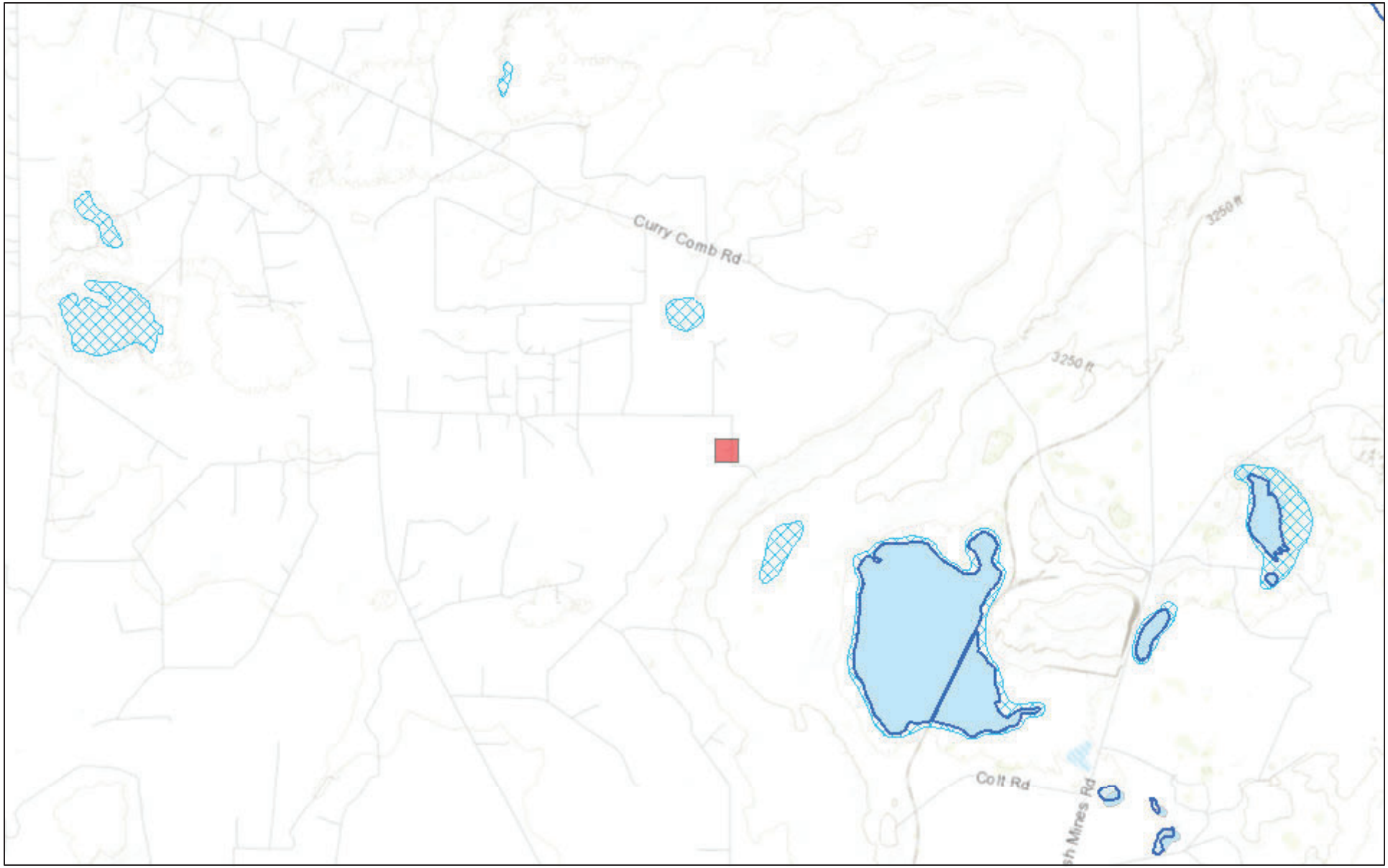
Closure Approved by: Brittany Hall Date: 1/19/2023

Printed Name: Brittany Hall Title: Environmental Specialist

Appendix B



New Mexico NFHL Data



April 18, 2021

1:72,224

0 0.5 1 2 mi

0 1 2 4 km

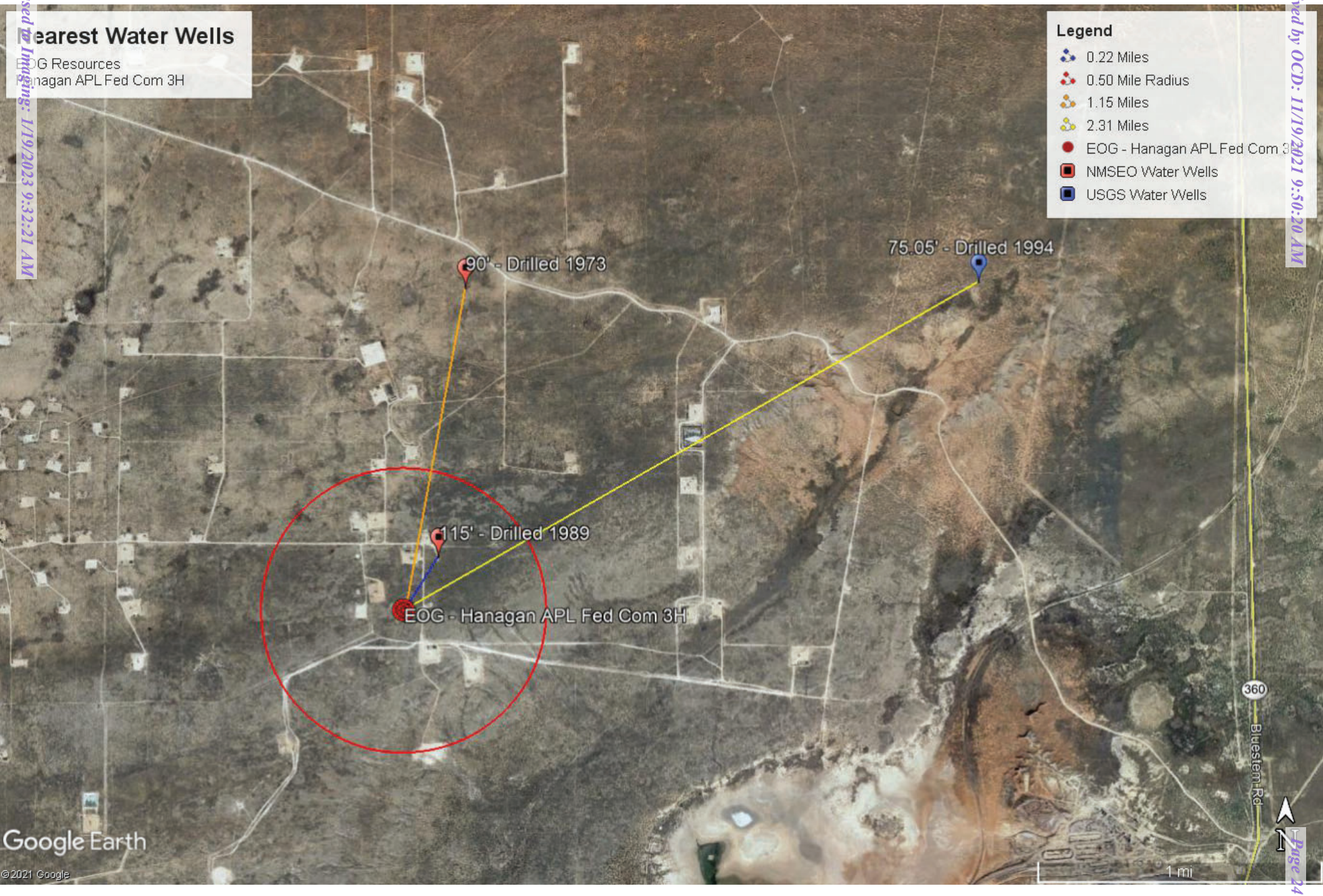
FEMA
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS,

nmflood.org is made possible through a collaboration with NMDHSEM, EDAC, and FEMA
This is a non-regulatory product for informational use only. Please consult your local floodplain administrator for further information.

USGS science for a changing world

National Water Information System: Mapper

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	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
CP 00357 POD1		CP	ED	4	4	1	24	19S	30E	600667	3612631*	630		
CP 00357 POD2		CP	ED	4	3	1	24	19S	30E	600265	3612627*	630		
CP 00522		CP	ED			3	30	19S	30E	592347	3610451*	120	90	30
CP 00647 POD1	O	CP	ED	4	2	2	15	19S	30E	598235	3614621*	200	92	108
CP 00722 POD2		CP	ED	2	1	1	25	19S	30E	600276	3611620*	350	65	285
CP 00742		CP	ED		3	3	31	19S	30E	592208	3608940	223	115	108
CP 00822 POD1		CP	LE		4	4	15	19S	30E	598148	3613516*	90		
CP 00823 POD1		CP	LE		1	3	17	19S	30E	593715	3613885*	120		
CP 00824 POD1		CP	LE		4	1	20	19S	30E	594129	3612680*	70		
CP 00825 POD1		CP	LE		3	4	28	19S	30E	596164	3610282*	100		
CP 00827 POD1		CP	LE		3	3	35	19S	30E	598596	3608694*	100		
CP 00828 POD1		CP	LE		1	1	35	19S	30E	598585	3609900*	90		

Average Depth to Water: **90 feet**
Minimum Depth: **65 feet**
Maximum Depth: **115 feet**

Record Count: 12

PLSS Search:

Township: 19S **Range:** 30E

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

New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64 Q16 Q4	Sec	Twn	Rng	(NAD83 UTM in meters) X	Y
	CP 00522	3	30	19S	30E	592347	3610451*

Driller License:	208	**Driller Company:**	VAN NOY, W.L.		
Driller Name:	VAN NOY, W.L.				
Drill Start Date:	08/28/1973	**Drill Finish Date:**	09/01/1973	**Plug Date:**	
Log File Date:	09/08/1975	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	6.63	**Depth Well:**	120 feet	**Depth Water:**	90 feet

Water Bearing Stratifications:	Top	Bottom	Description
	90	120	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	90	115

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

New Mexico Office of the State Engineer
Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Twn	Rng	(NAD83 UTM in meters) X	Y
	CP 00742	3	3		31	19S	30E	592208	3608940

Driller License: 421 **Driller Company:** GLENN'S WATER WELL SERVICE

Driller Name: GLENN, CLARK A."CORKY" (LD)

Drill Start Date: 08/04/1989 **Drill Finish Date:** 08/04/1989 **Plug Date:**

Log File Date: 08/10/1989 **PCW Rcv Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 150 GPM

Casing Size: 6.63 **Depth Well:** 223 feet **Depth Water:** 115 feet

Water Bearing Stratifications:

Top	Bottom	Description
165	178	Limestone/Dolomite/Chalk
181	213	Limestone/Dolomite/Chalk

Casing Perforations:

Top	Bottom
145	223

Meter Number: 18977 **Meter Make:** OCTAVE

Meter Serial Number: 162038182 **Meter Multiplier:** 1.0000

Number of Dials: 9 **Meter Type:** Diversion

Unit of Measure: Gallons **Return Flow Percent:**

Usage Multiplier: **Reading Frequency:** Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
06/13/2017	2017	11523284	A	RPT	initial reading	0	
06/30/2017	2017	12586800	A	RPT		3.264	
07/31/2017	2017	12669000	A	RPT		0.252	
08/31/2017	2017	14521900	A	RPT		5.686	
09/30/2017	2017	15552294	A	RPT		3.162	
10/31/2017	2017	16451244	A	RPT		2.759	
11/30/2017	2017	16953818	A	RPT		1.542	
12/31/2017	2017	17008136	A	RPT		0.167	
01/31/2018	2018	17008136	A	RPT		0	
02/28/2018	2018	17047236	A	RPT		0.120	
03/31/2018	2018	17047236	A	RPT		0	
05/31/2018	2018	20986282	A	RPT		12.088	
12/31/2018	2018	11266838	A	RPT		0	
03/31/2019	2019	11438917	A	RPT		0.528	
04/30/2019	2019	12436932	A	RPT		3.063	
05/31/2019	2019	13973706	A	RPT		4.716	
06/30/2019	2019	15739955	A	RPT		5.420	
09/30/2019	2019	21562624	A	RPT		17.869	
10/31/2019	2019	21684664	A	RPT		0.375	

02/29/2020	2020	22530023	A	RPT	2.594	
04/30/2020	2020	23188462	A	RPT	2.021	
05/31/2020	2020	23188462	A	RPT	0	
08/31/2020	2020	23188462	A	RPT	0	
09/30/2020	2020	23188462	A	RPT	0	
11/30/2020	2020	23188462	A	WEB	0	X
12/31/2020	2020	23188462	A	WEB	0	X
01/31/2021	2021	23188462	A	ca	0	
02/28/2021	2021	23188462	A	RPT	0	

x

**YTD Meter Amounts:	Year	Amount
	2017	16.832
	2018	12.208
	2019	31.971
	2020	4.615
	2021	0

x

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 =
- 323741103590501

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

USGS 323741103590501 19S.30E.28.31333

Eddy County, New Mexico
Latitude 32°37'41", Longitude 103°59'05" NAD27
Land-surface elevation 3,278 feet above NGVD29
The depth of the well is 148.00 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
1989-05-15		D	62610		3202.43	NGVD29		S		
1989-05-15		D	62611		3203.94	NAVD88		S		
1989-05-15		D	72019	75.57				S		
1994-03-16		D	62610		3202.95	NGVD29		S		
1994-03-16		D	62611		3204.46	NAVD88		S		
1994-03-16		D	72019	75.05				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

Section	Code	Description
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status		The reported water-level measurement represents a static level
Method of measurement	S	Steel-tape measurement.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

Questions about sites/data?
Feedback on this web site
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Accessibility FOIA Privacy Policies and Notices
U.S. Department of the Interior | U.S. Geological Survey
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: 2021-04-20 19:27:38 EDT
0.31 0.28 nadww01

Appendix C

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-1221-1
Laboratory Sample Delivery Group: Eddy County NM
Client Project/Site: Hanagan APL Fed Com 3H 214125

For:
NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Attn: Mike Carmona

JKRAMER

Authorized for release by:
4/14/2021 12:48:04 PM

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

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

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

Client: NT Global
Project/Site: Hanagan APL Fed Com 3H 214125

Laboratory Job ID: 880-1221-1
SDG: Eddy County NM

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Definitions/Glossary

Client: NT Global
Project/Site: Hanagan APL Fed Com 3H 214125

Job ID: 880-1221-1
SDG: Eddy County NM

Qualifiers

GC VOA

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

Case Narrative

Client: NT Global
Project/Site: Hanagan APL Fed Com 3H 214125

Job ID: 880-1221-1
SDG: Eddy County NM

Job ID: 880-1221-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-1221-1

Receipt
The samples were received on 4/13/2021 10:35 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.1°C

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

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

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

Client Sample Results

Client: NT Global
Project/Site: Hanagan APL Fed Com 3H 214125

Job ID: 880-1221-1
SDG: Eddy County NM

Client Sample ID: H-1

Date Collected: 04/12/21 00:00
Date Received: 04/13/21 10:35

Lab Sample ID: 880-1221-1

Matrix: Solid

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		04/13/21 11:49	04/13/21 17:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/13/21 11:49	04/13/21 17:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/13/21 11:49	04/13/21 17:39	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/13/21 11:49	04/13/21 17:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/13/21 11:49	04/13/21 17:39	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/13/21 11:49	04/13/21 17:39	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/13/21 11:49	04/13/21 17:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*04/13/21 11:49*	*04/13/21 17:39*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*04/13/21 11:49*	*04/13/21 17:39*	*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		04/13/21 11:19	04/13/21 15:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1	49.9		mg/Kg		04/13/21 11:19	04/13/21 15:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/13/21 11:19	04/13/21 15:28	1
Total TPH	<49.9	U F1	49.9		mg/Kg		04/13/21 11:19	04/13/21 15:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*04/13/21 11:19*	*04/13/21 15:28*	*1*
o-Terphenyl	*116*		*70 - 130*	*04/13/21 11:19*	*04/13/21 15:28*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	199		5.04		mg/Kg			04/14/21 04:39	1

Client Sample ID: H-2

Date Collected: 04/12/21 00:00
Date Received: 04/13/21 10:35

Lab Sample ID: 880-1221-2

Matrix: Solid

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		04/13/21 11:49	04/13/21 18:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/13/21 11:49	04/13/21 18:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/13/21 11:49	04/13/21 18:00	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/13/21 11:49	04/13/21 18:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/13/21 11:49	04/13/21 18:00	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/13/21 11:49	04/13/21 18:00	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/13/21 11:49	04/13/21 18:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*04/13/21 11:49*	*04/13/21 18:00*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*04/13/21 11:49*	*04/13/21 18:00*	*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		04/13/21 11:19	04/13/21 16:30	1

Client Sample Results

Client: NT Global
Project/Site: Hanagan APL Fed Com 3H 214125

Job ID: 880-1221-1
SDG: Eddy County NM

Client Sample ID: H-2

Date Collected: 04/12/21 00:00
Date Received: 04/13/21 10:35

Lab Sample ID: 880-1221-2

Matrix: Solid

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		04/13/21 11:19	04/13/21 16:30	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/13/21 11:19	04/13/21 16:30	1
Total TPH	<49.9	U	49.9		mg/Kg		04/13/21 11:19	04/13/21 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*04/13/21 11:19*	*04/13/21 16:30*	*1*
o-Terphenyl	*121*		*70 - 130*	*04/13/21 11:19*	*04/13/21 16:30*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**91.5**		4.98		mg/Kg			04/14/21 04:58	1

Client Sample ID: H-3

Date Collected: 04/12/21 00:00
Date Received: 04/13/21 10:35

Lab Sample ID: 880-1221-3

Matrix: Solid

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		04/13/21 11:49	04/13/21 18:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/13/21 11:49	04/13/21 18:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/13/21 11:49	04/13/21 18:20	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/13/21 11:49	04/13/21 18:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/13/21 11:49	04/13/21 18:20	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/13/21 11:49	04/13/21 18:20	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/13/21 11:49	04/13/21 18:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*04/13/21 11:49*	*04/13/21 18:20*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*04/13/21 11:49*	*04/13/21 18:20*	*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	**57.5**		49.8		mg/Kg		04/13/21 11:19	04/13/21 16:51	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/13/21 11:19	04/13/21 16:51	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/13/21 11:19	04/13/21 16:51	1
Total TPH	**57.5**		49.8		mg/Kg		04/13/21 11:19	04/13/21 16:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*04/13/21 11:19*	*04/13/21 16:51*	*1*
o-Terphenyl	*114*		*70 - 130*	*04/13/21 11:19*	*04/13/21 16:51*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**282**		4.99		mg/Kg			04/14/21 05:04	1

Client Sample Results

Client: NT Global
Project/Site: Hanagan APL Fed Com 3H 214125

Job ID: 880-1221-1
SDG: Eddy County NM

Client Sample ID: H-4
Date Collected: 04/12/21 00:00
Date Received: 04/13/21 10:35

Lab Sample ID: 880-1221-4
Matrix: Solid

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		04/13/21 11:49	04/13/21 18:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/13/21 11:49	04/13/21 18:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/13/21 11:49	04/13/21 18:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/13/21 11:49	04/13/21 18:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/13/21 11:49	04/13/21 18:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/13/21 11:49	04/13/21 18:41	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/13/21 11:49	04/13/21 18:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*04/13/21 11:49*	*04/13/21 18:41*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*04/13/21 11:49*	*04/13/21 18:41*	*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	**52.5**		49.9		mg/Kg		04/13/21 11:19	04/13/21 17:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/13/21 11:19	04/13/21 17:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/13/21 11:19	04/13/21 17:12	1
Total TPH	**52.5**		49.9		mg/Kg		04/13/21 11:19	04/13/21 17:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*04/13/21 11:19*	*04/13/21 17:12*	*1*
o-Terphenyl	*116*		*70 - 130*	*04/13/21 11:19*	*04/13/21 17:12*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**373**		4.97		mg/Kg			04/14/21 05:10	1

Surrogate Summary

Client: NT Global
Project/Site: Hanagan APL Fed Com 3H 214125

Job ID: 880-1221-1
SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-1221-1	H-1	113	103
880-1221-2	H-2	113	101
880-1221-3	H-3	112	103
880-1221-4	H-4	109	103
LCS 880-1714/1-A	Lab Control Sample	98	100
LCSD 880-1714/2-A	Lab Control Sample Dup	104	99
MB 880-1714/5-A	Method Blank	98	98

Surrogate Legend

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

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID		
880-1221-1 MS	H-1		
880-1221-2 MSD	H-2		

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-1221-1	H-1	112	116
880-1221-1 MS	H-1	133 S1+	117
880-1221-1 MSD	H-1	126	113
880-1221-2	H-2	110	121
880-1221-3	H-3	116	114
880-1221-4	H-4	113	116
LCS 880-1712/2-A	Lab Control Sample	113	112
LCSD 880-1712/3-A	Lab Control Sample Dup	108	110
MB 880-1712/1-A	Method Blank	104	115

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: NT Global
Project/Site: Hanagan APL Fed Com 3H 214125

Job ID: 880-1221-1
SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-1714/5-A
Matrix: Solid
Analysis Batch: 1716

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1714

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/13/21 11:49	04/13/21 17:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/13/21 11:49	04/13/21 17:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/13/21 11:49	04/13/21 17:18	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/13/21 11:49	04/13/21 17:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/13/21 11:49	04/13/21 17:18	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/13/21 11:49	04/13/21 17:18	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/13/21 11:49	04/13/21 17:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*04/13/21 11:49*	*04/13/21 17:18*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*04/13/21 11:49*	*04/13/21 17:18*	*1*

Lab Sample ID: LCS 880-1714/1-A
Matrix: Solid
Analysis Batch: 1716

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1714

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.08445		mg/Kg		84	70 - 130		
Toluene			0.100	0.08338		mg/Kg		83	70 - 130		
Ethylbenzene			0.100	0.08352		mg/Kg		84	70 - 130		
m-Xylene & p-Xylene			0.200	0.1RRR		mg/Kg		83	70 - 130		
o-Xylene			0.100	0.08244		mg/Kg		82	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 880-1714/2-A
Matrix: Solid
Analysis Batch: 1716

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1714

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.08523		mg/Kg		85	70 - 130	1	35
Toluene			0.100	0.08R3R		mg/Kg		8R	70 - 130	4	35
Ethylbenzene			0.100	0.09032		mg/Kg		90	70 - 130	8	35
m-Xylene & p-Xylene			0.200	0.1803		mg/Kg		90	70 - 130	8	35
o-Xylene			0.100	0.089R1		mg/Kg		90	70 - 130	8	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 880-1221-1 MS
Matrix: Solid
Analysis Batch: 1716

Client Sample ID: H-1
Prep Type: Total/NA
Prep Batch: 1714

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00200	U	0.101	0.1182		mg/Kg					

QC Sample Results

Client: NT Global
Project/Site: Hanagan APL Fed Com 3H 214125

Job ID: 880-1221-1
SDG: Eddy County NM

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

Lab Sample ID: 880-1221-1 MS
Matrix: Solid
Analysis Batch: 1716

Client Sample ID: H-1
Prep Type: Total/NA
Prep Batch: 1714

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	<0.00200	U	0.101	0.1105		mg/Kg			
Ethylbenzene	<0.00200	U	0.101	0.104R		mg/Kg			
m-Xylene & p-Xylene	<0.00401	U	0.201	0.2213		mg/Kg			
o-Xylene	<0.00200	U	0.101	0.1234		mg/Kg			

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

Lab Sample ID: 880-1221-2 MSD
Matrix: Solid
Analysis Batch: 1716

Client Sample ID: H-2
Prep Type: Total/NA
Prep Batch: 1714

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0992	0.1082		mg/Kg					
Toluene	<0.00200	U	0.0992	0.1007		mg/Kg					
Ethylbenzene	<0.00200	U	0.0992	0.09243		mg/Kg					
m-Xylene & p-Xylene	<0.00401	U	0.198	0.1270		mg/Kg					
o-Xylene	<0.00200	U	0.0992	0.1083		mg/Kg					

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

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

Lab Sample ID: MB 880-1712/1-A
Matrix: Solid
Analysis Batch: 1730

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1712

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline (ange) rganics 6G( ) v-CR-C10	<50.0	U	50.0		mg/Kg		04/13/21 11:19	04/13/21 14:25	1
Diesel (ange) rganics 6) f er C10-C28v	<50.0	U	50.0		mg/Kg		04/13/21 11:19	04/13/21 14:25	1
) ll (ange) rganics 6) f er C28-C3Rv	<50.0	U	50.0		mg/Kg		04/13/21 11:19	04/13/21 14:25	1
Total TPH	<50.0	U	50.0		mg/Kg		04/13/21 11:19	04/13/21 14:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*04/13/21 11:19*	*04/13/21 14:25*	*1*
o-Terphenyl	*115*		*70 - 130*	*04/13/21 11:19*	*04/13/21 14:25*	*1*

Lab Sample ID: LCS 880-1712/2-A
Matrix: Solid
Analysis Batch: 1730

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1712

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline (ange) rganics 6G( ) v-CR-C10	1000	1230		mg/Kg		123	70 - 130

QC Sample Results

Client: NT Global
Project/Site: Hanagan APL Fed Com 3H 214125

Job ID: 880-1221-1
SDG: Eddy County NM

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

Lab Sample ID: LCS 880-1712/2-A
Matrix: Solid
Analysis Batch: 1730

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1712

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel (ange) rganics 6) f er C10-C28v			1000	1185		mg/Kg		118	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*113*		*70 - 130*
o-Terphenyl	*112*		*70 - 130*

Lab Sample ID: LCSD 880-1712/3-A
Matrix: Solid
Analysis Batch: 1730

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1712

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline (ange) rganics 6G( ) v-CR-C10			1000	1271		mg/Kg		127	70 - 130	3	20
Diesel (ange) rganics 6) f er C10-C28v			1000	1187		mg/Kg		119	70 - 130	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*108*		*70 - 130*
o-Terphenyl	*110*		*70 - 130*

Lab Sample ID: 880-1221-1 MS
Matrix: Solid
Analysis Batch: 1730

Client Sample ID: H-1
Prep Type: Total/NA
Prep Batch: 1712

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline (ange) rganics 6G( ) v-CR-C10	<49.9	U F1	998	1RR2	F1	mg/Kg		1R3	70 - 130		
Diesel (ange) rganics 6) f er C10-C28v	<49.9	U F1	998	1R1R	F1	mg/Kg		1R2	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*133*	*S1+*	*70 - 130*
o-Terphenyl	*117*		*70 - 130*

Lab Sample ID: 880-1221-1 MSD
Matrix: Solid
Analysis Batch: 1730

Client Sample ID: H-1
Prep Type: Total/NA
Prep Batch: 1712

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline (ange) rganics 6G( ) v-CR-C10	<49.9	U F1	998	1575	F1	mg/Kg		154	70 - 130	5	20
Diesel (ange) rganics 6) f er C10-C28v	<49.9	U F1	998	1583	F1	mg/Kg		159	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*126*		*70 - 130*
o-Terphenyl	*113*		*70 - 130*

QC Sample Results

Client: NT Global
Project/Site: Hanagan APL Fed Com 3H 214125

Job ID: 880-1221-1
SDG: Eddy County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-1721/1-A
Matrix: Solid
Analysis Batch: 1748

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/14/21 04:21	1

Lab Sample ID: LCS 880-1721/2-A
Matrix: Solid
Analysis Batch: 1748

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	228.9		mg/Kg		92	90 - 110		

Lab Sample ID: LCSD 880-1721/3-A
Matrix: Solid
Analysis Batch: 1748

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	22R3		mg/Kg		91	90 - 110	1	20

Lab Sample ID: 880-1221-1 MS
Matrix: Solid
Analysis Batch: 1748

Client Sample ID: H-1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	199		252	428.8		mg/Kg		91	90 - 110		

Lab Sample ID: 880-1221-1 MSD
Matrix: Solid
Analysis Batch: 1748

Client Sample ID: H-1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	199		252	42R4		mg/Kg		90	90 - 110	1	20

QC Association Summary

Client: NT Global
Project/Site: Hanagan APL Fed Com 3H 214125

Job ID: 880-1221-1
SDG: Eddy County NM

GC VOA

Prep Batch: 1714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1221-1	H-1	Total/NA	Solid	5035	
880-1221-2	H-2	Total/NA	Solid	5035	
880-1221-3	H-3	Total/NA	Solid	5035	
880-1221-4	H-4	Total/NA	Solid	5035	
MB 880-1714/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-1714/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-1714/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-1221-1 MS	H-1	Total/NA	Solid	5035	
880-1221-2 MSD	H-2	Total/NA	Solid	5035	

Analysis Batch: 1716

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1221-1	H-1	Total/NA	Solid	8021B	1714
880-1221-2	H-2	Total/NA	Solid	8021B	1714
880-1221-3	H-3	Total/NA	Solid	8021B	1714
880-1221-4	H-4	Total/NA	Solid	8021B	1714
MB 880-1714/5-A	Method Blank	Total/NA	Solid	8021B	1714
LCS 880-1714/1-A	Lab Control Sample	Total/NA	Solid	8021B	1714
LCSD 880-1714/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	1714
880-1221-1 MS	H-1	Total/NA	Solid	8021B	1714
880-1221-2 MSD	H-2	Total/NA	Solid	8021B	1714

GC Semi VOA

Prep Batch: 1712

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1221-1	H-1	Total/NA	Solid	8015NM Prep	
880-1221-2	H-2	Total/NA	Solid	8015NM Prep	
880-1221-3	H-3	Total/NA	Solid	8015NM Prep	
880-1221-4	H-4	Total/NA	Solid	8015NM Prep	
MB 880-1712/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-1712/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-1712/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-1221-1 MS	H-1	Total/NA	Solid	8015NM Prep	
880-1221-1 MSD	H-1	Total/NA	Solid	8015NM Prep	

Analysis Batch: 1730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1221-1	H-1	Total/NA	Solid	8015B NM	1712
880-1221-2	H-2	Total/NA	Solid	8015B NM	1712
880-1221-3	H-3	Total/NA	Solid	8015B NM	1712
880-1221-4	H-4	Total/NA	Solid	8015B NM	1712
MB 880-1712/1-A	Method Blank	Total/NA	Solid	8015B NM	1712
LCS 880-1712/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	1712
LCSD 880-1712/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	1712
880-1221-1 MS	H-1	Total/NA	Solid	8015B NM	1712
880-1221-1 MSD	H-1	Total/NA	Solid	8015B NM	1712

QC Association Summary

Client: NT Global
Project/Site: Hanagan APL Fed Com 3H 214125

Job ID: 880-1221-1
SDG: Eddy County NM

HPLC/IC

Leach Batch: 1721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1221-1	H-1	Soluble	Solid	DI Leach	
880-1221-2	H-2	Soluble	Solid	DI Leach	
880-1221-3	H-3	Soluble	Solid	DI Leach	
880-1221-4	H-4	Soluble	Solid	DI Leach	
MB 880-1721/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-1721/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-1721/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-1221-1 MS	H-1	Soluble	Solid	DI Leach	
880-1221-1 MSD	H-1	Soluble	Solid	DI Leach	

Analysis Batch: 1748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1221-1	H-1	Soluble	Solid	300.0	1721
880-1221-2	H-2	Soluble	Solid	300.0	1721
880-1221-3	H-3	Soluble	Solid	300.0	1721
880-1221-4	H-4	Soluble	Solid	300.0	1721
MB 880-1721/1-A	Method Blank	Soluble	Solid	300.0	1721
LCS 880-1721/2-A	Lab Control Sample	Soluble	Solid	300.0	1721
LCSD 880-1721/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	1721
880-1221-1 MS	H-1	Soluble	Solid	300.0	1721
880-1221-1 MSD	H-1	Soluble	Solid	300.0	1721

Lab Chronicle

Client: NT Global
Project/Site: Hanagan APL Fed Com 3H 214125

Job ID: 880-1221-1
SDG: Eddy County NM

Client Sample ID: H-1
Date Collected: 04/12/21 00:00
Date Received: 04/13/21 10:35

Lab Sample ID: 880-1221-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1714	04/13/21 11:49	KL	XM
Total/NA	Analysis	8021B		1	1716	04/13/21 17:39	KL	XM
Total/NA	Prep	8015NM Prep			1712	04/13/21 11:19	DM	XM
Total/NA	Analysis	8015B NM		1	1730	04/13/21 15:28	AJ	XM
Soluble	Leach	DI Leach			1721	04/13/21 12:13	SC	XM
Soluble	Analysis	300.0		1	1748	04/14/21 04:39	CH	XM

Client Sample ID: H-2
Date Collected: 04/12/21 00:00
Date Received: 04/13/21 10:35

Lab Sample ID: 880-1221-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1714	04/13/21 11:49	KL	XM
Total/NA	Analysis	8021B		1	1716	04/13/21 18:00	KL	XM
Total/NA	Prep	8015NM Prep			1712	04/13/21 11:19	DM	XM
Total/NA	Analysis	8015B NM		1	1730	04/13/21 16:30	AJ	XM
Soluble	Leach	DI Leach			1721	04/13/21 12:13	SC	XM
Soluble	Analysis	300.0		1	1748	04/14/21 04:58	CH	XM

Client Sample ID: H-3
Date Collected: 04/12/21 00:00
Date Received: 04/13/21 10:35

Lab Sample ID: 880-1221-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1714	04/13/21 11:49	KL	XM
Total/NA	Analysis	8021B		1	1716	04/13/21 18:20	KL	XM
Total/NA	Prep	8015NM Prep			1712	04/13/21 11:19	DM	XM
Total/NA	Analysis	8015B NM		1	1730	04/13/21 16:51	AJ	XM
Soluble	Leach	DI Leach			1721	04/13/21 12:13	SC	XM
Soluble	Analysis	300.0		1	1748	04/14/21 05:04	CH	XM

Client Sample ID: H-4
Date Collected: 04/12/21 00:00
Date Received: 04/13/21 10:35

Lab Sample ID: 880-1221-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1714	04/13/21 11:49	KL	XM
Total/NA	Analysis	8021B		1	1716	04/13/21 18:41	KL	XM
Total/NA	Prep	8015NM Prep			1712	04/13/21 11:19	DM	XM
Total/NA	Analysis	8015B NM		1	1730	04/13/21 17:12	AJ	XM
Soluble	Leach	DI Leach			1721	04/13/21 12:13	SC	XM
Soluble	Analysis	300.0		1	1748	04/14/21 05:10	CH	XM

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

Accreditation/Certification Summary

Client: NT Global
Project/Site: Hanagan APL Fed Com 3H 214125

Job ID: 880-1221-1
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: NT Global
Project/Site: Hanagan APL Fed Com 3H 214125

Job ID: 880-1221-1
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

Sample Summary

Client: NT Global
Project/Site: Hanagan APL Fed Com 3H 214125

Job ID: 880-1221-1
SDG: Eddy County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
880-1221-1	H-1	Solid	04/12/21 00:00	04/13/21 10:35	
880-1221-2	H-2	Solid	04/12/21 00:00	04/13/21 10:35	
880-1221-3	H-3	Solid	04/12/21 00:00	04/13/21 10:35	
880-1221-4	H-4	Solid	04/12/21 00:00	04/13/21 10:35	

NTG ENVIRONMENTAL

880-1221 Chain of Custody

Work Order No: 1221

4/14/2021

Page 1 of 1

Project Manager	Mike Carmona	Bill to. (if different)	James Kennedy
Company Name.	NTG Environmental	Company Name:	EOG Resources
Address	701 Tradewinds BLVD	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79706	City, State ZIP	Midland, Tx 79706
Phone.	432-813-0263	Email	James_Kennedy@eogresources com

Work Order Comments

Program: UST/PST ☐ PRP ☐ rownfields ☐ RC ☐ perfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables EDD ☐ ADaPT ☐ Other:

Project Name:	Hanagan APL Fed Com 3H	Turn Around	
Project Number	214125	☐ Routine ☑ Rush	
Project Location	Eddy County, NM	Due Date	72HR
Sampler's Name:	CM	TAT starts the day received by the lab if received by 4 30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank.	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID	IR8
Cooler Custody Seals.	Yes No N/A	Correction Factor	+0.5
Sample Custody Seals.	Yes No (N/A)	Temperature Reading	0.6
Total Containers.	4	Corrected Temperature:	1.1

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chlordie 300 0	HOLD
H-1	4/12/2021	-	X		G	1	X	X	X	
H-2	4/12/2021	-	X		G	1	X	X	X	
H-3	4/12/2021	-	X		G	1	X	X	X	
H-4	4/12/2021	-	X		G	1	X	X	X	

Pres. Code / Parameters

Preservative Codes

None NO DI Water H_2O

Cool Cool MeOH Me

HCL HC HNO_3 HN

H_2S0_4 H_2 NaOH Na

H_3PO_4. HP

$NaHSO_4$ NABIS

$Na_2S_2O_3$ $NaSO_3$

Zn Acetate+NaOH Zn

NaOH+Ascorbic Acid SAPC

Sample Comments

Additoinal Comments:

Notice Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Mike Carmona	D. Phillips	4.13.21 10:35	2		
3			4		
5			6		

Revised Date 05012020 Rev 2020.1

Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-1221-1
SDG Number: Eddy County NM

Login Number: 1221
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	

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-1223-1
Laboratory Sample Delivery Group: Eddy County NM
Client Project/Site: Hanagan APL Fed Com 3H 214125

For:
NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Attn: Mike Carmona

JKRAMER

Authorized for release by:
4/15/2021 6:14:17 PM

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

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

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

Client: NT Global
Project/Site: Hanagan APL Fed Com 3H 214125

Laboratory Job ID: 880-1223-1
SDG: Eddy County NM

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Definitions/Glossary

Client: NT Global
Project/Site: Hanagan APL Fed Com 3H 214125

Job ID: 880-1223-1
SDG: Eddy County NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD 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
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: NT Global
Project/Site: Hanagan APL Fed Com 3H 214125

Job ID: 880-1223-1
SDG: Eddy County NM

Job ID: 880-1223-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-1223-1

Receipt
The samples were received on 4/13/2021 10:35 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.1°C

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

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

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

Client Sample Results

Client: NT Global
Project/Site: Hanagan APL Fed Com 3H 214125

Job ID: 880-1223-1
SDG: Eddy County NM

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

Lab Sample ID: 880-1223-1
Matrix: Solid
Date Collected: 04/12/21 00:00
Date Received: 04/13/21 10:35

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/13/21 11:49	04/13/21 19:01	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/13/21 11:49	04/13/21 19:01	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/13/21 11:49	04/13/21 19:01	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/13/21 11:49	04/13/21 19:01	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/13/21 11:49	04/13/21 19:01	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/13/21 11:49	04/13/21 19:01	1
Total BTEX	<0.00201	U	0.00201		mg/Kg		04/13/21 11:49	04/13/21 19:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*04/13/21 11:49*	*04/13/21 19:01*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*04/13/21 11:49*	*04/13/21 19:01*	*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		04/13/21 11:19	04/13/21 17:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/13/21 11:19	04/13/21 17:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/13/21 11:19	04/13/21 17:33	1
Total TPH	<50.0	U	50.0		mg/Kg		04/13/21 11:19	04/13/21 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*04/13/21 11:19*	*04/13/21 17:33*	*1*
o-Terphenyl	*129*		*70 - 130*	*04/13/21 11:19*	*04/13/21 17:33*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	193		4.97		mg/Kg			04/14/21 05:16	1

Client Sample ID: S-1 (1'-1.5')

Lab Sample ID: 880-1223-2
Matrix: Solid
Date Collected: 04/12/21 00:00
Date Received: 04/13/21 10:35

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		04/13/21 11:49	04/13/21 19:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/13/21 11:49	04/13/21 19:21	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/13/21 11:49	04/13/21 19:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/13/21 11:49	04/13/21 19:21	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/13/21 11:49	04/13/21 19:21	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/13/21 11:49	04/13/21 19:21	1
Total BTEX	<0.00199	U	0.00199		mg/Kg		04/13/21 11:49	04/13/21 19:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*04/13/21 11:49*	*04/13/21 19:21*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*04/13/21 11:49*	*04/13/21 19:21*	*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	<50.1	U	50.1		mg/Kg		04/13/21 11:19	04/13/21 17:55	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Hanagan APL Fed Com 3H 214125

Job ID: 880-1223-1
SDG: Eddy County NM

Client Sample ID: S-1 (1'-1.5')

Lab Sample ID: 880-1223-2
Matrix: Solid
Date Collected: 04/12/21 00:00
Date Received: 04/13/21 10:35

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)	<50.1	U	50.1		mg/Kg		04/13/21 11:19	04/13/21 17:55	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/13/21 11:19	04/13/21 17:55	1
Total TPH	<50.1	U	50.1		mg/Kg		04/13/21 11:19	04/13/21 17:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*04/13/21 11:19*	*04/13/21 17:55*	*1*
o-Terphenyl	*124*		*70 - 130*	*04/13/21 11:19*	*04/13/21 17:55*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**278**		4.96		mg/Kg			04/14/21 05:34	1

Client Sample ID: S-1 (2'-2.5')

Lab Sample ID: 880-1223-3
Matrix: Solid
Date Collected: 04/12/21 00:00
Date Received: 04/13/21 10:35

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		04/13/21 11:49	04/13/21 19:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/13/21 11:49	04/13/21 19:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/13/21 11:49	04/13/21 19:42	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/13/21 11:49	04/13/21 19:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/13/21 11:49	04/13/21 19:42	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/13/21 11:49	04/13/21 19:42	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/13/21 11:49	04/13/21 19:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*04/13/21 11:49*	*04/13/21 19:42*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*04/13/21 11:49*	*04/13/21 19:42*	*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		04/13/21 11:19	04/13/21 18:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/13/21 11:19	04/13/21 18:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/13/21 11:19	04/13/21 18:16	1
Total TPH	<49.9	U	49.9		mg/Kg		04/13/21 11:19	04/13/21 18:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*04/13/21 11:19*	*04/13/21 18:16*	*1*
o-Terphenyl	*127*		*70 - 130*	*04/13/21 11:19*	*04/13/21 18:16*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**184**		5.03		mg/Kg			04/14/21 05:40	1

Client Sample Results

Client: NT Global
Project/Site: Hanagan APL Fed Com 3H 214125

Job ID: 880-1223-1
SDG: Eddy County NM

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

Lab Sample ID: 880-1223-4
Matrix: Solid
Date Collected: 04/12/21 00:00
Date Received: 04/13/21 10:35

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/13/21 11:49	04/13/21 20:02	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/13/21 11:49	04/13/21 20:02	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/13/21 11:49	04/13/21 20:02	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/13/21 11:49	04/13/21 20:02	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/13/21 11:49	04/13/21 20:02	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/13/21 11:49	04/13/21 20:02	1
Total BTEX	<0.00201	U	0.00201		mg/Kg		04/13/21 11:49	04/13/21 20:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*04/13/21 11:49*	*04/13/21 20:02*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*04/13/21 11:49*	*04/13/21 20:02*	*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	<49.9	U	49.9		mg/Kg		04/13/21 11:19	04/13/21 18:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/13/21 11:19	04/13/21 18:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/13/21 11:19	04/13/21 18:37	1
Total TPH	<49.9	U	49.9		mg/Kg		04/13/21 11:19	04/13/21 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*123*		*70 - 130*	*04/13/21 11:19*	*04/13/21 18:37*	*1*
o-Terphenyl	*132*	*S1+*	*70 - 130*	*04/13/21 11:19*	*04/13/21 18:37*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.5**		5.03		mg/Kg			04/14/21 05:47	1

Client Sample ID: S-2 (1'-1.5')

Lab Sample ID: 880-1223-5
Matrix: Solid
Date Collected: 04/12/21 00:00
Date Received: 04/13/21 10:35

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		04/13/21 11:49	04/13/21 20:23	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/13/21 11:49	04/13/21 20:23	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/13/21 11:49	04/13/21 20:23	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/13/21 11:49	04/13/21 20:23	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/13/21 11:49	04/13/21 20:23	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/13/21 11:49	04/13/21 20:23	1
Total BTEX	<0.00202	U	0.00202		mg/Kg		04/13/21 11:49	04/13/21 20:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*04/13/21 11:49*	*04/13/21 20:23*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*04/13/21 11:49*	*04/13/21 20:23*	*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		04/14/21 08:54	04/14/21 18:12	1

Client Sample Results

Client: NT Global
Project/Site: Hanagan APL Fed Com 3H 214125

Job ID: 880-1223-1
SDG: Eddy County NM

Client Sample ID: S-2 (1'-1.5')

Lab Sample ID: 880-1223-5
Matrix: Solid
Date Collected: 04/12/21 00:00
Date Received: 04/13/21 10:35

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 *+ *1	50.0		mg/Kg		04/14/21 08:54	04/14/21 18:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/14/21 08:54	04/14/21 18:12	1
Total TPH	<50.0	U	50.0		mg/Kg		04/14/21 08:54	04/14/21 18:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*04/14/21 08:54*	*04/14/21 18:12*	*1*
o-Terphenyl	*103*		*70 - 130*	*04/14/21 08:54*	*04/14/21 18:12*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.4**		5.01		mg/Kg			04/14/21 05:53	1

Client Sample ID: S-2 (2'-2.5')

Lab Sample ID: 880-1223-6
Matrix: Solid
Date Collected: 04/12/21 00:00
Date Received: 04/13/21 10:35

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		04/13/21 11:49	04/13/21 20:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/13/21 11:49	04/13/21 20:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/13/21 11:49	04/13/21 20:43	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/13/21 11:49	04/13/21 20:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/13/21 11:49	04/13/21 20:43	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/13/21 11:49	04/13/21 20:43	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/13/21 11:49	04/13/21 20:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*04/13/21 11:49*	*04/13/21 20:43*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*04/13/21 11:49*	*04/13/21 20:43*	*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		04/14/21 08:54	04/14/21 18:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+ *1	50.0		mg/Kg		04/14/21 08:54	04/14/21 18:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/14/21 08:54	04/14/21 18:33	1
Total TPH	<50.0	U	50.0		mg/Kg		04/14/21 08:54	04/14/21 18:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*04/14/21 08:54*	*04/14/21 18:33*	*1*
o-Terphenyl	*107*		*70 - 130*	*04/14/21 08:54*	*04/14/21 18:33*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**28.6**		5.00		mg/Kg			04/14/21 05:59	1

Client Sample Results

Client: NT Global
Project/Site: Hanagan APL Fed Com 3H 214125

Job ID: 880-1223-1
SDG: Eddy County NM

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

Lab Sample ID: 880-1223-7
Matrix: Solid
Date Collected: 04/12/21 00:00
Date Received: 04/13/21 10:35

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		04/13/21 11:49	04/13/21 22:05	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/13/21 11:49	04/13/21 22:05	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/13/21 11:49	04/13/21 22:05	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		04/13/21 11:49	04/13/21 22:05	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/13/21 11:49	04/13/21 22:05	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		04/13/21 11:49	04/13/21 22:05	1
Total BTEX	<0.00198	U	0.00198		mg/Kg		04/13/21 11:49	04/13/21 22:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*04/13/21 11:49*	*04/13/21 22:05*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*04/13/21 11:49*	*04/13/21 22:05*	*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		04/14/21 08:54	04/14/21 18:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+ *1	49.9		mg/Kg		04/14/21 08:54	04/14/21 18:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/14/21 08:54	04/14/21 18:55	1
Total TPH	<49.9	U	49.9		mg/Kg		04/14/21 08:54	04/14/21 18:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*04/14/21 08:54*	*04/14/21 18:55*	*1*
o-Terphenyl	*108*		*70 - 130*	*04/14/21 08:54*	*04/14/21 18:55*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	382	F1	4.99		mg/Kg			04/14/21 06:05	1

Client Sample ID: S-3 (1'-1.5')

Lab Sample ID: 880-1223-8
Matrix: Solid
Date Collected: 04/12/21 00:00
Date Received: 04/13/21 10:35

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		04/13/21 11:49	04/13/21 22:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/13/21 11:49	04/13/21 22:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/13/21 11:49	04/13/21 22:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/13/21 11:49	04/13/21 22:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/13/21 11:49	04/13/21 22:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/13/21 11:49	04/13/21 22:26	1
Total BTEX	<0.00199	U	0.00199		mg/Kg		04/13/21 11:49	04/13/21 22:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*04/13/21 11:49*	*04/13/21 22:26*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*04/13/21 11:49*	*04/13/21 22:26*	*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		04/14/21 08:54	04/14/21 19:16	1

Client Sample Results

Client: NT Global
Project/Site: Hanagan APL Fed Com 3H 214125

Job ID: 880-1223-1
SDG: Eddy County NM

Client Sample ID: S-3 (1'-1.5')

Lab Sample ID: 880-1223-8

Date Collected: 04/12/21 00:00
Matrix: Solid
Date Received: 04/13/21 10:35

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)	<49.8	U *+ *1	49.8		mg/Kg		04/14/21 08:54	04/14/21 19:16	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/14/21 08:54	04/14/21 19:16	1
Total TPH	<49.8	U	49.8		mg/Kg		04/14/21 08:54	04/14/21 19:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*04/14/21 08:54*	*04/14/21 19:16*	*1*
o-Terphenyl	*102*		*70 - 130*	*04/14/21 08:54*	*04/14/21 19:16*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**507**		5.00		mg/Kg			04/14/21 06:23	1

Client Sample ID: S-3 (2'-2.5')

Lab Sample ID: 880-1223-9

Date Collected: 04/12/21 00:00
Matrix: Solid
Date Received: 04/13/21 10:35

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		04/13/21 11:49	04/13/21 22:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/13/21 11:49	04/13/21 22:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/13/21 11:49	04/13/21 22:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/13/21 11:49	04/13/21 22:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/13/21 11:49	04/13/21 22:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/13/21 11:49	04/13/21 22:46	1
Total BTEX	<0.00199	U	0.00199		mg/Kg		04/13/21 11:49	04/13/21 22:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*04/13/21 11:49*	*04/13/21 22:46*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*04/13/21 11:49*	*04/13/21 22:46*	*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	**56.8**		49.8		mg/Kg		04/14/21 08:54	04/14/21 19:38	1
Diesel Range Organics (Over C10-C28)	<49.8	U *+ *1	49.8		mg/Kg		04/14/21 08:54	04/14/21 19:38	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/14/21 08:54	04/14/21 19:38	1
Total TPH	**56.8**		49.8		mg/Kg		04/14/21 08:54	04/14/21 19:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*04/14/21 08:54*	*04/14/21 19:38*	*1*
o-Terphenyl	*99*		*70 - 130*	*04/14/21 08:54*	*04/14/21 19:38*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**510**		5.02		mg/Kg			04/14/21 08:16	1

Surrogate Summary

Client: NT Global
Project/Site: Hanagan APL Fed Com 3H 214125

Job ID: 880-1223-1
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)
880-1223-1	S-1 (0-1')	109	101
880-1223-2	S-1 (1'-1.5')	109	103
880-1223-3	S-1 (2'-2.5')	114	102
880-1223-4	S-2 (0-1')	109	104
880-1223-5	S-2 (1'-1.5')	108	101
880-1223-6	S-2 (2'-2.5')	116	100
880-1223-7	S-3 (0-1')	108	101
880-1223-8	S-3 (1'-1.5')	111	99
880-1223-9	S-3 (2'-2.5')	111	100
LCS 880-1714/1-A	Lab Control Sample	98	100
LCSD 880-1714/2-A	Lab Control Sample Dup	104	99
MB 880-1714/5-A	Method Blank	98	98

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)
880-1223-1	S-1 (0-1')	121	129
880-1223-2	S-1 (1'-1.5')	115	124
880-1223-3	S-1 (2'-2.5')	117	127
880-1223-4	S-2 (0-1')	123	132 S1+
880-1223-5	S-2 (1'-1.5')	112	103
880-1223-6	S-2 (2'-2.5')	120	107
880-1223-7	S-3 (0-1')	112	108
880-1223-8	S-3 (1'-1.5')	109	102
880-1223-9	S-3 (2'-2.5')	107	99
LCS 880-1712/2-A	Lab Control Sample	113	112
LCS 880-1765/2-A	Lab Control Sample	110	92
LCSD 880-1712/3-A	Lab Control Sample Dup	108	110
LCSD 880-1765/3-A	Lab Control Sample Dup	145 S1+	141 S1+
MB 880-1712/1-A	Method Blank	104	115
MB 880-1765/1-A	Method Blank	100	99

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: NT Global
Project/Site: Hanagan APL Fed Com 3H 214125

Job ID: 880-1223-1
SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-1714/5-A
Matrix: Solid
Analysis Batch: 1716

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1714

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/13/21 11:49	04/13/21 1h:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/13/21 11:49	04/13/21 1h:18	1
EtXylbenzene	<0.00200	U	0.00200		mg/Kg		04/13/21 11:49	04/13/21 1h:18	1
m-&ylene p s-&ylene	<0.00400	U	0.00400		mg/Kg		04/13/21 11:49	04/13/21 1h:18	1
o-&ylene	<0.00200	U	0.00200		mg/Kg		04/13/21 11:49	04/13/21 1h:18	1
&ylene, RTotal	<0.00400	U	0.00400		mg/Kg		04/13/21 11:49	04/13/21 1h:18	1
Total BTE&	<0.00200	U	0.00200		mg/Kg		04/13/21 11:49	04/13/21 1h:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*10*		*97 - 3/ 7*	*7423/ 2 3 33,41*	*7423/ 2 3 39,30*	*3*
3D4-i fluorobenzene (Surr)	*10*		*97 - 3/ 7*	*7423/ 2 3 33,41*	*7423/ 2 3 39,30*	*3*

Lab Sample ID: LCS 880-1714/1-A
Matrix: Solid
Analysis Batch: 1716

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1714

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.08445		mg/Kg		84	h0 - 130		
Toluene			0.100	0.08338		mg/Kg		83	h0 - 130		
EtXylbenzene			0.100	0.08352		mg/Kg		84	h0 - 130		
m-&ylene p s-&ylene			0.200	0.1OOO		mg/Kg		83	h0 - 130		
o-&ylene			0.100	0.08244		mg/Kg		82	h0 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*10*		*97 - 3/ 7*
3D4-i fluorobenzene (Surr)	*377*		*97 - 3/ 7*

Lab Sample ID: LCSD 880-1714/2-A
Matrix: Solid
Analysis Batch: 1716

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1714

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.08523		mg/Kg		85	h0 - 130	1	35
Toluene			0.100	0.08O3O		mg/Kg		8O	h0 - 130	4	35
EtXylbenzene			0.100	0.09032		mg/Kg		90	h0 - 130	8	35
m-&ylene p s-&ylene			0.200	0.1803		mg/Kg		90	h0 - 130	8	35
o-&ylene			0.100	0.089O1		mg/Kg		90	h0 - 130	8	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*374*		*97 - 3/ 7*
3D4-i fluorobenzene (Surr)	*11*		*97 - 3/ 7*

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QC Sample Results

Client: NT Global
Project/Site: Hanagan APL Fed Com 3H 214125

Job ID: 880-1223-1
SDG: Eddy County NM

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

Lab Sample ID: MB 880-1712/1-A
Matrix: Solid
Analysis Batch: 1730

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1712

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ga, oline) ange 6 rganic, 7G) 6 v-CO-C10	<50.0	U	50.0		mg/Kg		04/13/21 11:19	04/13/21 14:25	1
Die, el) ange 6 rganic, 76 f er C10-C28v	<50.0	U	50.0		mg/Kg		04/13/21 11:19	04/13/21 14:25	1
6 ll) ange 6 rganic, 76 f er C28-C3Ov	<50.0	U	50.0		mg/Kg		04/13/21 11:19	04/13/21 14:25	1
Total TPH	<50.0	U	50.0		mg/Kg		04/13/21 11:19	04/13/21 14:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
3-h cloroot aTne	*374*		*97 - 3/ 7*	*7423/ 2 3 33,31*	*7423/ 2 3 34,: p*	*3*
o-yer5cen8l	*33p*		*97 - 3/ 7*	*7423/ 2 3 33,31*	*7423/ 2 3 34,: p*	*3*

Lab Sample ID: LCS 880-1712/2-A
Matrix: Solid
Analysis Batch: 1730

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1712

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ga, oline) ange 6 rganic, 7G) 6 v-CO-C10			1000	1230		mg/Kg		123	h0 - 130		
Die, el) ange 6 rganic, 76 f er C10-C28v			1000	1185		mg/Kg		118	h0 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
3-h cloroot aTne	*33/*		*97 - 3/ 7*
o-yer5cen8l	*33:*		*97 - 3/ 7*

Lab Sample ID: LCSD 880-1712/3-A
Matrix: Solid
Analysis Batch: 1730

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1712

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ga, oline) ange 6 rganic, 7G) 6 v-CO-C10			1000	12h1		mg/Kg		12h	h0 - 130	3	20
Die, el) ange 6 rganic, 76 f er C10-C28v			1000	118h		mg/Kg		119	h0 - 130	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
3-h cloroot aTne	*370*		*97 - 3/ 7*
o-yer5cen8l	*337*		*97 - 3/ 7*

Lab Sample ID: MB 880-1765/1-A
Matrix: Solid
Analysis Batch: 1773

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1765

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ga, oline) ange 6 rganic, 7G) 6 v-CO-C10	<50.0	U	50.0		mg/Kg		04/14/21 08:54	04/14/21 11:2O	1
Die, el) ange 6 rganic, 76 f er C10-C28v	<50.0	U	50.0		mg/Kg		04/14/21 08:54	04/14/21 11:2O	1
6 ll) ange 6 rganic, 76 f er C28-C3Ov	<50.0	U	50.0		mg/Kg		04/14/21 08:54	04/14/21 11:2O	1
Total TPH	<50.0	U	50.0		mg/Kg		04/14/21 08:54	04/14/21 11:2O	1

QC Sample Results

Client: NT Global
Project/Site: Hanagan APL Fed Com 3H 214125

Job ID: 880-1223-1
SDG: Eddy County NM

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
3-h cloroot aTne	377		97 - 3/ 7	742342 3 70,p4	742342 3 33,: 6	3
o-yer5cen8l	11		97 - 3/ 7	742342 3 70,p4	742342 3 33,: 6	3

Lab Sample ID: LCS 880-1765/2-A
Matrix: Solid
Analysis Batch: 1773

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1765

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ga, oline) ange 6 rganic, 7G) 6 v-CO-C10			1000	1249		mg/Kg		125	h0 - 130		
Die, el) ange 6 rganic, 76 f er C10-C28v			1000	1042		mg/Kg		104	h0 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
3-h cloroot aTne	337		97 - 3/ 7
o-yer5cen8l	1:		97 - 3/ 7

Lab Sample ID: LCSD 880-1765/3-A
Matrix: Solid
Analysis Batch: 1773

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1765

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ga, oline) ange 6 rganic, 7G) 6 v-CO-C10			1000	1300		mg/Kg		130	h0 - 130	4	20
Die, el) ange 6 rganic, 76 f er C10-C28v			1000	15O5	*+ *1	mg/Kg		15O	h0 - 130	40	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
3-h cloroot aTne	34p	S3+	97 - 3/ 7
o-yer5cen8l	343	S3+	97 - 3/ 7

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-1721/1-A
Matrix: Solid
Analysis Batch: 1748

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
CXloride	<5.00	U	5.00		mg/Kg			04/14/21 04:21	1

Lab Sample ID: LCS 880-1721/2-A
Matrix: Solid
Analysis Batch: 1748

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
CXloride			250	228.9		mg/Kg		92	90 - 110		

Lab Sample ID: LCSD 880-1721/3-A
Matrix: Solid
Analysis Batch: 1748

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
CXloride			250	22O3		mg/Kg		91	90 - 110	1	20

Euro(in, &encoRMidland

QC Sample Results

Client: NT Global
Project/Site: Hanagan APL Fed Com 3H 214125

Job ID: 880-1223-1
SDG: Eddy County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-1223-7 MS
Matrix: Solid
Analysis Batch: 1748

Client Sample ID: S-3 (0-1')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
CXloride	382	F1	250	243.9	F1	mg/Kg		-55	90 - 110		

Lab Sample ID: 880-1223-7 MSD
Matrix: Solid
Analysis Batch: 1748

Client Sample ID: S-3 (0-1')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
CXloride	382	F1	250	24h.O	F1	mg/Kg		-54	90 - 110	1	20

Euro(in, &encoRMidland

QC Association Summary

Client: NT Global
Project/Site: Hanagan APL Fed Com 3H 214125

Job ID: 880-1223-1
SDG: Eddy County NM

GC VOA

Prep Batch: 1714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1223-1	S-1 (0-1')	Total/NA	Solid	5035	
880-1223-2	S-1 (1'-1.5')	Total/NA	Solid	5035	
880-1223-3	S-1 (2'-2.5')	Total/NA	Solid	5035	
880-1223-4	S-2 (0-1')	Total/NA	Solid	5035	
880-1223-5	S-2 (1'-1.5')	Total/NA	Solid	5035	
880-1223-6	S-2 (2'-2.5')	Total/NA	Solid	5035	
880-1223-7	S-3 (0-1')	Total/NA	Solid	5035	
880-1223-8	S-3 (1'-1.5')	Total/NA	Solid	5035	
880-1223-9	S-3 (2'-2.5')	Total/NA	Solid	5035	
MB 880-1714/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-1714/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-1714/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 1716

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1223-1	S-1 (0-1')	Total/NA	Solid	8021B	1714
880-1223-2	S-1 (1'-1.5')	Total/NA	Solid	8021B	1714
880-1223-3	S-1 (2'-2.5')	Total/NA	Solid	8021B	1714
880-1223-4	S-2 (0-1')	Total/NA	Solid	8021B	1714
880-1223-5	S-2 (1'-1.5')	Total/NA	Solid	8021B	1714
880-1223-6	S-2 (2'-2.5')	Total/NA	Solid	8021B	1714
880-1223-7	S-3 (0-1')	Total/NA	Solid	8021B	1714
880-1223-8	S-3 (1'-1.5')	Total/NA	Solid	8021B	1714
880-1223-9	S-3 (2'-2.5')	Total/NA	Solid	8021B	1714
MB 880-1714/5-A	Method Blank	Total/NA	Solid	8021B	1714
LCS 880-1714/1-A	Lab Control Sample	Total/NA	Solid	8021B	1714
LCSD 880-1714/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	1714

GC Semi VOA

Prep Batch: 1712

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1223-1	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-1223-2	S-1 (1'-1.5')	Total/NA	Solid	8015NM Prep	
880-1223-3	S-1 (2'-2.5')	Total/NA	Solid	8015NM Prep	
880-1223-4	S-2 (0-1')	Total/NA	Solid	8015NM Prep	
MB 880-1712/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-1712/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-1712/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 1730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1223-1	S-1 (0-1')	Total/NA	Solid	8015B NM	1712
880-1223-2	S-1 (1'-1.5')	Total/NA	Solid	8015B NM	1712
880-1223-3	S-1 (2'-2.5')	Total/NA	Solid	8015B NM	1712
880-1223-4	S-2 (0-1')	Total/NA	Solid	8015B NM	1712
MB 880-1712/1-A	Method Blank	Total/NA	Solid	8015B NM	1712
LCS 880-1712/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	1712
LCSD 880-1712/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	1712

QC Association Summary

Client: NT Global
Project/Site: Hanagan APL Fed Com 3H 214125

Job ID: 880-1223-1
SDG: Eddy County NM

GC Semi VOA

Prep Batch: 1765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1223-5	S-2 (1'-1.5')	Total/NA	Solid	8015NM Prep	
880-1223-6	S-2 (2'-2.5')	Total/NA	Solid	8015NM Prep	
880-1223-7	S-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-1223-8	S-3 (1'-1.5')	Total/NA	Solid	8015NM Prep	
880-1223-9	S-3 (2'-2.5')	Total/NA	Solid	8015NM Prep	
MB 880-1765/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-1765/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-1765/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 1773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1223-5	S-2 (1'-1.5')	Total/NA	Solid	8015B NM	1765
880-1223-6	S-2 (2'-2.5')	Total/NA	Solid	8015B NM	1765
880-1223-7	S-3 (0-1')	Total/NA	Solid	8015B NM	1765
880-1223-8	S-3 (1'-1.5')	Total/NA	Solid	8015B NM	1765
880-1223-9	S-3 (2'-2.5')	Total/NA	Solid	8015B NM	1765
MB 880-1765/1-A	Method Blank	Total/NA	Solid	8015B NM	1765
LCS 880-1765/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	1765
LCSD 880-1765/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	1765

HPLC/IC

Leach Batch: 1721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1223-1	S-1 (0-1')	Soluble	Solid	DI Leach	
880-1223-2	S-1 (1'-1.5')	Soluble	Solid	DI Leach	
880-1223-3	S-1 (2'-2.5')	Soluble	Solid	DI Leach	
880-1223-4	S-2 (0-1')	Soluble	Solid	DI Leach	
880-1223-5	S-2 (1'-1.5')	Soluble	Solid	DI Leach	
880-1223-6	S-2 (2'-2.5')	Soluble	Solid	DI Leach	
880-1223-7	S-3 (0-1')	Soluble	Solid	DI Leach	
880-1223-8	S-3 (1'-1.5')	Soluble	Solid	DI Leach	
880-1223-9	S-3 (2'-2.5')	Soluble	Solid	DI Leach	
MB 880-1721/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-1721/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-1721/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-1223-7 MS	S-3 (0-1')	Soluble	Solid	DI Leach	
880-1223-7 MSD	S-3 (0-1')	Soluble	Solid	DI Leach	

Analysis Batch: 1748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1223-1	S-1 (0-1')	Soluble	Solid	300.0	1721
880-1223-2	S-1 (1'-1.5')	Soluble	Solid	300.0	1721
880-1223-3	S-1 (2'-2.5')	Soluble	Solid	300.0	1721
880-1223-4	S-2 (0-1')	Soluble	Solid	300.0	1721
880-1223-5	S-2 (1'-1.5')	Soluble	Solid	300.0	1721
880-1223-6	S-2 (2'-2.5')	Soluble	Solid	300.0	1721
880-1223-7	S-3 (0-1')	Soluble	Solid	300.0	1721
880-1223-8	S-3 (1'-1.5')	Soluble	Solid	300.0	1721
880-1223-9	S-3 (2'-2.5')	Soluble	Solid	300.0	1721
MB 880-1721/1-A	Method Blank	Soluble	Solid	300.0	1721

QC Association Summary

Client: NT Global
Project/Site: Hanagan APL Fed Com 3H 214125

Job ID: 880-1223-1
SDG: Eddy County NM

HPLC/IC (Continued)

Analysis Batch: 1748 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-1721/2-A	Lab Control Sample	Soluble	Solid	300.0	1721
LCSD 880-1721/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	1721
880-1223-7 MS	S-3 (0-1')	Soluble	Solid	300.0	1721
880-1223-7 MSD	S-3 (0-1')	Soluble	Solid	300.0	1721

Lab Chronicle

Client: NT Global
Project/Site: Hanagan APL Fed Com 3H 214125

Job ID: 880-1223-1
SDG: Eddy County NM

Client Sample ID: S-1 (0-1')
Lab Sample ID: 880-1223-1

Date Collected: 04/12/21 00:00
Matrix: Solid
Date Received: 04/13/21 10:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1714	04/13/21 11:49	KL	XM
Total/NA	Analysis	8021B		1	1716	04/13/21 19:01	KL	XM
Total/NA	Prep	8015NM Prep			1712	04/13/21 11:19	DM	XM
Total/NA	Analysis	8015B NM		1	1730	04/13/21 17:33	AJ	XM
Soluble	Leach	DI Leach			1721	04/13/21 12:13	SC	XM
Soluble	Analysis	300.0		1	1748	04/14/21 05:16	CH	XM

Client Sample ID: S-1 (1'-1.5')
Lab Sample ID: 880-1223-2

Date Collected: 04/12/21 00:00
Matrix: Solid
Date Received: 04/13/21 10:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1714	04/13/21 11:49	KL	XM
Total/NA	Analysis	8021B		1	1716	04/13/21 19:21	KL	XM
Total/NA	Prep	8015NM Prep			1712	04/13/21 11:19	DM	XM
Total/NA	Analysis	8015B NM		1	1730	04/13/21 17:55	AJ	XM
Soluble	Leach	DI Leach			1721	04/13/21 12:13	SC	XM
Soluble	Analysis	300.0		1	1748	04/14/21 05:34	CH	XM

Client Sample ID: S-1 (2'-2.5')
Lab Sample ID: 880-1223-3

Date Collected: 04/12/21 00:00
Matrix: Solid
Date Received: 04/13/21 10:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1714	04/13/21 11:49	KL	XM
Total/NA	Analysis	8021B		1	1716	04/13/21 19:42	KL	XM
Total/NA	Prep	8015NM Prep			1712	04/13/21 11:19	DM	XM
Total/NA	Analysis	8015B NM		1	1730	04/13/21 18:16	AJ	XM
Soluble	Leach	DI Leach			1721	04/13/21 12:13	SC	XM
Soluble	Analysis	300.0		1	1748	04/14/21 05:40	CH	XM

Client Sample ID: S-2 (0-1')
Lab Sample ID: 880-1223-4

Date Collected: 04/12/21 00:00
Matrix: Solid
Date Received: 04/13/21 10:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1714	04/13/21 11:49	KL	XM
Total/NA	Analysis	8021B		1	1716	04/13/21 20:02	KL	XM
Total/NA	Prep	8015NM Prep			1712	04/13/21 11:19	DM	XM
Total/NA	Analysis	8015B NM		1	1730	04/13/21 18:37	AJ	XM
Soluble	Leach	DI Leach			1721	04/13/21 12:13	SC	XM
Soluble	Analysis	300.0		1	1748	04/14/21 05:47	CH	XM

Lab Chronicle

Client: NT Global
Project/Site: Hanagan APL Fed Com 3H 214125

Job ID: 880-1223-1
SDG: Eddy County NM

Client Sample ID: S-2 (1'-1.5')

Lab Sample ID: 880-1223-5

Date Collected: 04/12/21 00:00
Matrix: Solid
Date Received: 04/13/21 10:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1714	04/13/21 11:49	KL	XM
Total/NA	Analysis	8021B		1	1716	04/13/21 20:23	KL	XM
Total/NA	Prep	8015NM Prep			1765	04/14/21 08:54	DM	XM
Total/NA	Analysis	8015B NM		1	1773	04/14/21 18:12	AJ	XM
Soluble	Leach	DI Leach			1721	04/13/21 12:13	SC	XM
Soluble	Analysis	300.0		1	1748	04/14/21 05:53	CH	XM

Client Sample ID: S-2 (2'-2.5')

Lab Sample ID: 880-1223-6

Date Collected: 04/12/21 00:00
Matrix: Solid
Date Received: 04/13/21 10:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1714	04/13/21 11:49	KL	XM
Total/NA	Analysis	8021B		1	1716	04/13/21 20:43	KL	XM
Total/NA	Prep	8015NM Prep			1765	04/14/21 08:54	DM	XM
Total/NA	Analysis	8015B NM		1	1773	04/14/21 18:33	AJ	XM
Soluble	Leach	DI Leach			1721	04/13/21 12:13	SC	XM
Soluble	Analysis	300.0		1	1748	04/14/21 05:59	CH	XM

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

Lab Sample ID: 880-1223-7

Date Collected: 04/12/21 00:00
Matrix: Solid
Date Received: 04/13/21 10:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1714	04/13/21 11:49	KL	XM
Total/NA	Analysis	8021B		1	1716	04/13/21 22:05	KL	XM
Total/NA	Prep	8015NM Prep			1765	04/14/21 08:54	DM	XM
Total/NA	Analysis	8015B NM		1	1773	04/14/21 18:55	AJ	XM
Soluble	Leach	DI Leach			1721	04/13/21 12:13	SC	XM
Soluble	Analysis	300.0		1	1748	04/14/21 06:05	CH	XM

Client Sample ID: S-3 (1'-1.5')

Lab Sample ID: 880-1223-8

Date Collected: 04/12/21 00:00
Matrix: Solid
Date Received: 04/13/21 10:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1714	04/13/21 11:49	KL	XM
Total/NA	Analysis	8021B		1	1716	04/13/21 22:26	KL	XM
Total/NA	Prep	8015NM Prep			1765	04/14/21 08:54	DM	XM
Total/NA	Analysis	8015B NM		1	1773	04/14/21 19:16	AJ	XM
Soluble	Leach	DI Leach			1721	04/13/21 12:13	SC	XM
Soluble	Analysis	300.0		1	1748	04/14/21 06:23	CH	XM

Lab Chronicle

Client: NT Global
Project/Site: Hanagan APL Fed Com 3H 214125

Job ID: 880-1223-1
SDG: Eddy County NM

Client Sample ID: S-3 (2'-2.5')

Date Collected: 04/12/21 00:00
Date Received: 04/13/21 10:35

Lab Sample ID: 880-1223-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1714	04/13/21 11:49	KL	XM
Total/NA	Analysis	8021B		1	1716	04/13/21 22:46	KL	XM
Total/NA	Prep	8015NM Prep			1765	04/14/21 08:54	DM	XM
Total/NA	Analysis	8015B NM		1	1773	04/14/21 19:38	AJ	XM
Soluble	Leach	DI Leach			1721	04/13/21 12:13	SC	XM
Soluble	Analysis	300.0		1	1748	04/14/21 08:16	CH	XM

Laboratory References:

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

Accreditation/Certification Summary

Client: NT Global
Project/Site: Hanagan APL Fed Com 3H 214125

Job ID: 880-1223-1
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: NT Global
Project/Site: Hanagan APL Fed Com 3H 214125

Job ID: 880-1223-1
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

Sample Summary

Client: NT Global
Project/Site: Hanagan APL Fed Com 3H 214125

Job ID: 880-1223-1
SDG: Eddy County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
880-1223-1	S-1 (0-1')	Solid	04/12/21 00:00	04/13/21 10:35	
880-1223-2	S-1 (1'-1.5')	Solid	04/12/21 00:00	04/13/21 10:35	
880-1223-3	S-1 (2'-2.5')	Solid	04/12/21 00:00	04/13/21 10:35	
880-1223-4	S-2 (0-1')	Solid	04/12/21 00:00	04/13/21 10:35	
880-1223-5	S-2 (1'-1.5')	Solid	04/12/21 00:00	04/13/21 10:35	
880-1223-6	S-2 (2'-2.5')	Solid	04/12/21 00:00	04/13/21 10:35	
880-1223-7	S-3 (0-1')	Solid	04/12/21 00:00	04/13/21 10:35	
880-1223-8	S-3 (1'-1.5')	Solid	04/12/21 00:00	04/13/21 10:35	
880-1223-9	S-3 (2'-2.5')	Solid	04/12/21 00:00	04/13/21 10:35	

NTG ENVIRONMENTAL

880-1223 Chain of Custody

Work Order No: 1223

4/15/2021

Page 1 of 1

Project Manager:	Mike Carmona	Bill to. (if different)	James Kennedy
Company Name:	NTG Environmental	Company Name:	EOG Resources
Address:	701 Tradewinds BLVD	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79706	City, State ZIP	Midland, Tx 79706
Phone:	432-813-0263	Email	James_Kennedy@eogresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ rownfields ☐ RC ☐ perfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables EDD ☐ ADaPT ☐ Other:

Project Name:	Hanagan APL Fed Com 3H	Turn Around	
Project Number:	214125	☐ Routine ☑ Rush	
Project Location	Eddy County, NM	Due Date:	72HR
Sampler's Name:	CM	TAT starts the day received by the lab if received by 4 30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank.	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	IR8
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	+0.5
Sample Custody Seals.	Yes No (N/A)	Temperature Reading.	0.6
Total Containers.	9	Corrected Temperature:	1.1

Preservative Codes

None NO; DI Water H_2O; Cool Cool; MeOH Me; HCL HC; HNO_3 HN; H_2SO_4 H_2; NaOH Na; H_3PO_4 HP; $NaHSO_4$ NABIS; $Na_2S_2O_3$ $NaSO_3$; Zn Acetate+NaOH Zn; NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chlordie 300 0	HOLD	Sample Comments
S-1 (0-1')	4/12/2021	-	X		G	1		X	X	X		
S-1 (1'-1 5')	4/12/2021	-	X		G	1		X	X	X		
S-1 (2'-2 5')	4/12/2021	-	X		G	1		X	X	X		
S-2 (0-1')	4/12/2021	-	X		G	1		X	X	X		
S-2 (1'-1 5')	4/12/2021	-	X		G	1		X	X	X		
S-2 (2'-2 5')	4/12/2021	-	X		G	1		X	X	X		
S-3 (0-1')	4/12/2021	-	X		G	1		X	X	X		
S-3 (1'-1 5')	4/12/2021	-	X		G	1		X	X	X		
S-3 (2'-2 5')	4/12/2021	-	X		G	1		X	X	X		

Additoinal Comments:

Notice Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Mike	R.Pm	4.13.21 10:35	2		
3			4		
5			6		

Revised Date 05012020 Rev 2020.1

Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-1223-1
SDG Number: Eddy County NM

Login Number: 1223
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 62754

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 62754
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bhall	None	1/19/2023