Site Information

Closure Report

Knoll AOK Federal #1

Unit G Sec 03 T24S R29E
2RP-210
32.248337°, -103.970252°

Produced Water Release
Source: 8” water line ROW
Release Date: 7/7/2008
Volume Released: 50 bbls/PW
Volume Recovered: 0 bbls/PW

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

Prepared by:
NTG Environmental
701 Tradewinds Blvd
Suite C
Midland, TX 79707

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

March 5, 2021

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

Re: Closure Report
Knoll AOK Federal #1 2RP-210
EOG Resources Inc.
Site Location: Unit G, S3, T24S, R29E
(Lat 32.248337º, Long -103.970252º)
Lea 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 Knoll AOK Federal #1 2RP-210. The Site is located at 32.248337 º, -103.970252º within Unit G, S3, T24S, R29E, and approximately 7.8 miles southeast of Loving, 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 July 07, 2008. It resulted in the release of approximately 50 barrels of produced water due to an 8" inch waterline rupturing in the pipeline right of way (ROW). No fluids were recovered. The impacted area was contained within the pipeline ROW and measured approximately 120' x 30' as shown on Figure 3. The initial C-141 form is attached in Appendix A.

Site Characterization

The Site is located within a low karst area. Based on a review of the New Mexico Office of State Engineer's and USGS databases, there are no known water sources within ½ miles radius of the location. The nearest identified well is located approximately 2.74 miles west of the Site in S3, T24S, R29E. The well has a reported depth to groundwater of 26 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 February 24, 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 1 – 1.5 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, BTEX, and chloride based on the analytical results.

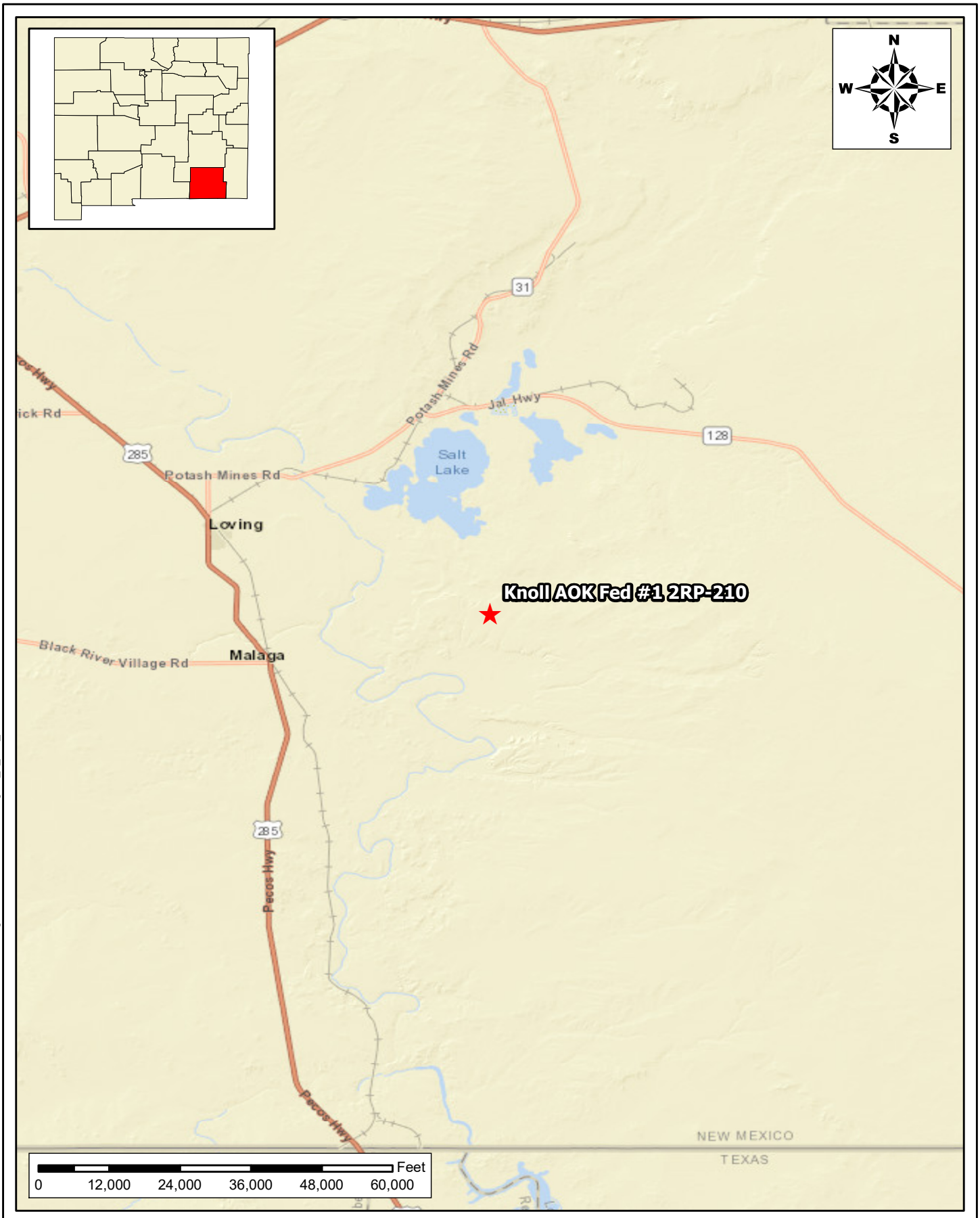
Conclusions

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
KNOLL AOK FED #1 3RP-210
EDDY COUNTY, NM
32.248337, -103.970252

SCALE: AS SHOWN	DATE: 02/28/2021	PROJECT #: 213910

New Tech Global Environmental, LLC
701 Tradewind Blvd Suite C
Midland, Texas 79707
T - (432) 685-3898
Web: www.ntglobal.com

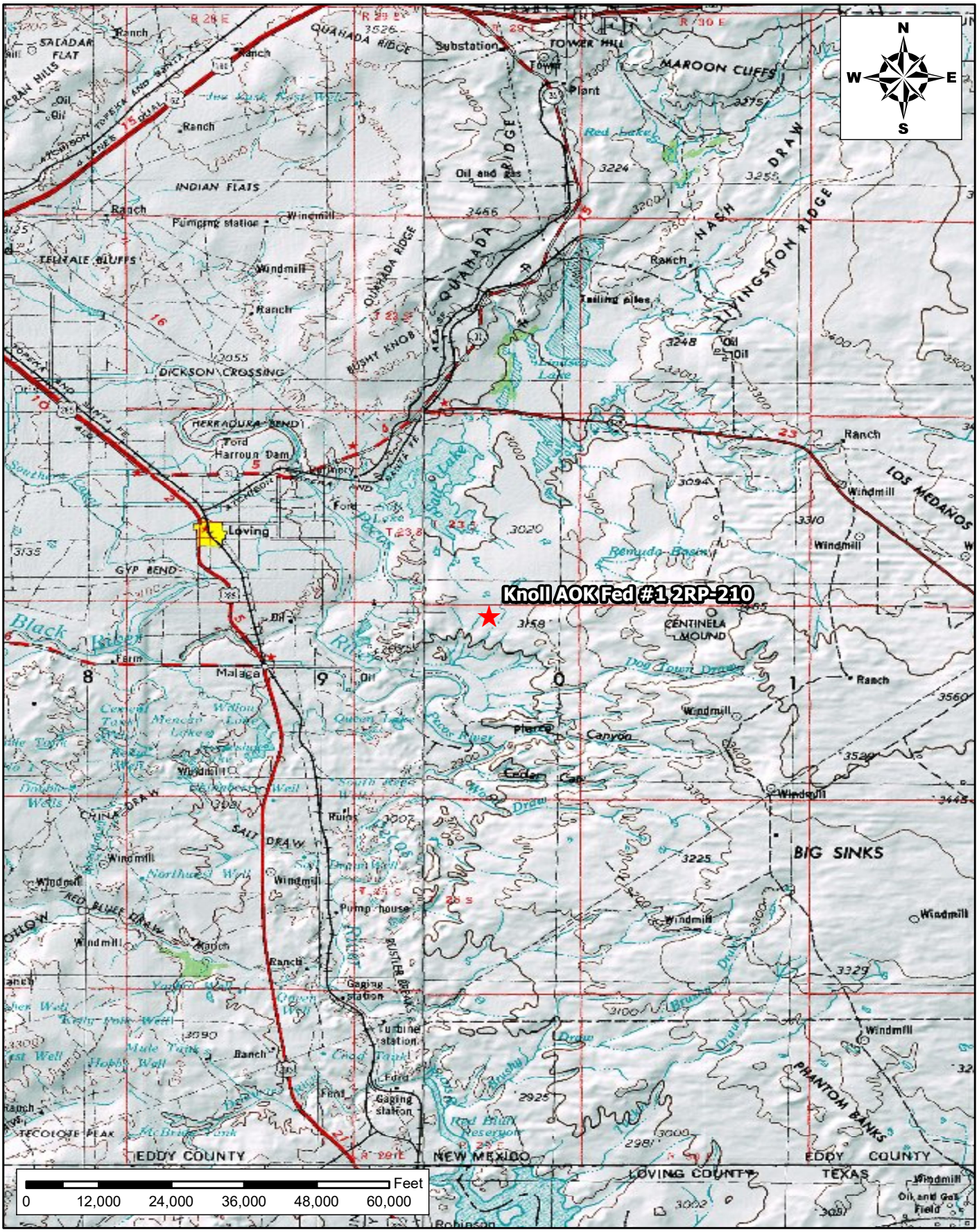
NOTES:

1. Base Image: ESRI Maps & Data 2016
2. Map Projection: NAD 1983

★ Site Location

FIGURE 1

Document Path: P:\2021 PROJECTS\EOG\213910 - Knoll AOK Fed #1 2RP-210\7 - Figures\GIS\Geodatabase\Figure_1_Site_02282021.mxd



SITE LOCATION MAP
EOG RESOURCES
KNOLL AOK FED #1 3RP-210
EDDY COUNTY, NM
32.248337, -103.970252

SCALE: AS SHOWN	DATE: 02/28/2021	PROJECT #: 213910

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Web: www.ntglobal.com

NOTES:

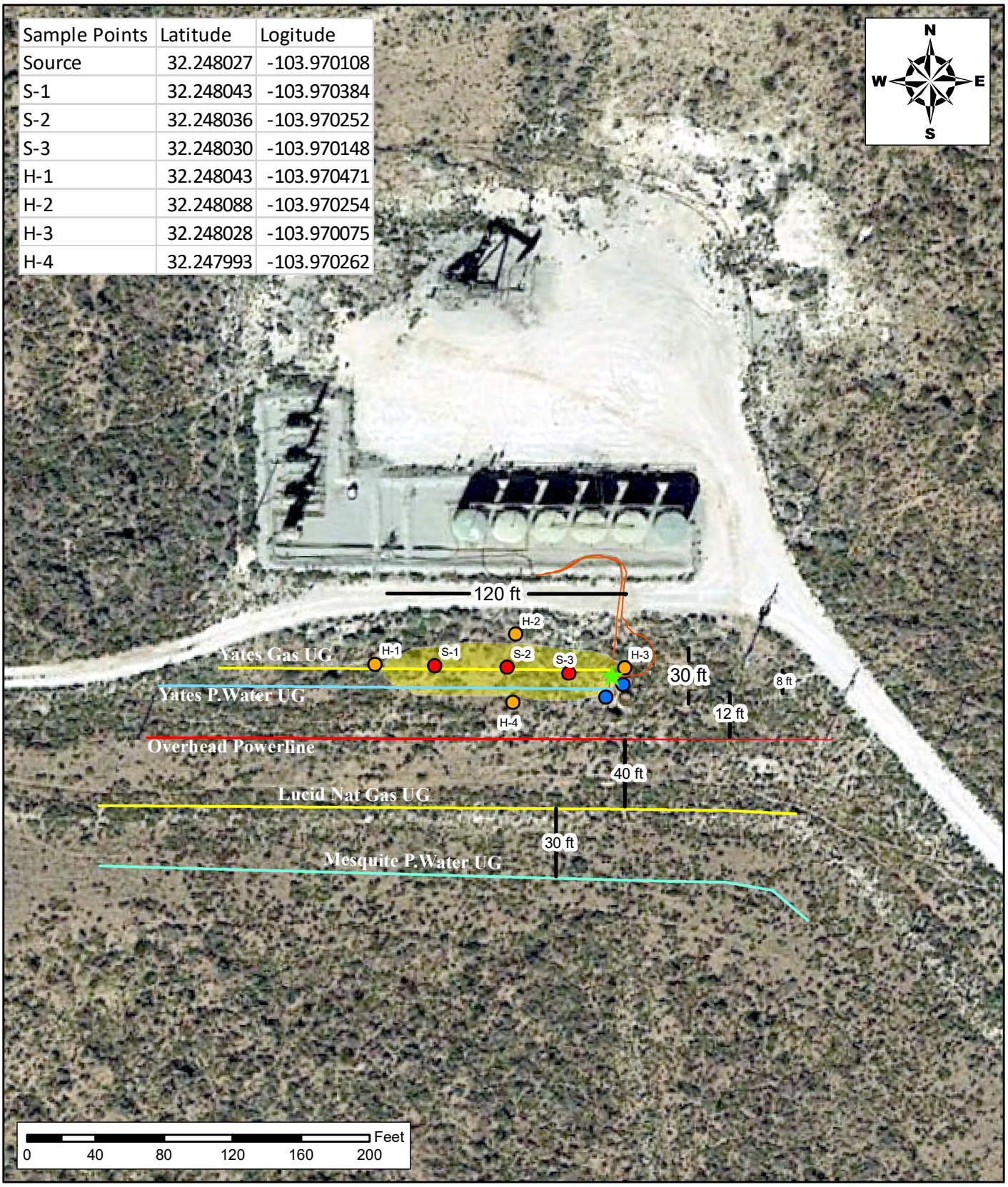
1. Base Image: ESRI Maps & Data 2016
2. Map Projection: NAD 1983

FIGURE 2

★ Site Location

Document Path: P:\2021 PROJECTS\EOG\213910 - Knoll AOK Fed #1 2RP-210\7 - Figures\GIS\GeodatabaseFigure_2_Area_02282021.mxd

Sample Points	Latitude	Logitude
Source	32.248027	-103.970108
S-1	32.248043	-103.970384
S-2	32.248036	-103.970252
S-3	32.248030	-103.970148
H-1	32.248043	-103.970471
H-2	32.248088	-103.970254
H-3	32.248028	-103.970075
H-4	32.247993	-103.970262



SAMPLE LOCATION MAP
EOG RESOURCES
KNOLL AOK FED #1 2RP-210
EDDY COUNTY, NM
32.248337, -103.970252

- Source
- Horizontal Samples
- Sample Points
- Tin Horn
- Impacted Area
- EOG Poly Surface
- Water Lines
- Gas Lines
- Overhead Powerlines

New Tech Global Environmental, LLC
701 Tradewind Blvd Suite C
Midland, Texas 79707
T - (432) 685-3898
Web: www.ntglobal.com

NOTES:

1. Base Image: ESRI Maps & Data 2016
2. Map Projection: NAD 1983

FIGURE 3

SCALE: AS SHOWN	DATE: 03/01/2021	PROJECT #: 213910

Document Path: P:\2021 PROJECTS\EOG\213910 - Knoll AOK Fed #1 2RP-2101\7 - Figures\GIS\GeodatabaseFigure_3_Sample Location_02282021.mxd

Tables

Table 1
EOG Resources
Knoww AOK Federal #1 2RP-210
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	2/24/2021	0-1	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	8.28
	"	1-1.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<5.05
S-2	2/24/2021	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<5.02
	"	1-1.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<5.02
S-3	2/24/2021	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<5.01
	"	1-1.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	12.1
H-1	2/24/2021	0-1'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<4.97
H-2	2/24/2021	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<5.00
H-3	2/24/2021	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<4.96
H-4	2/24/2021	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<4.98
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

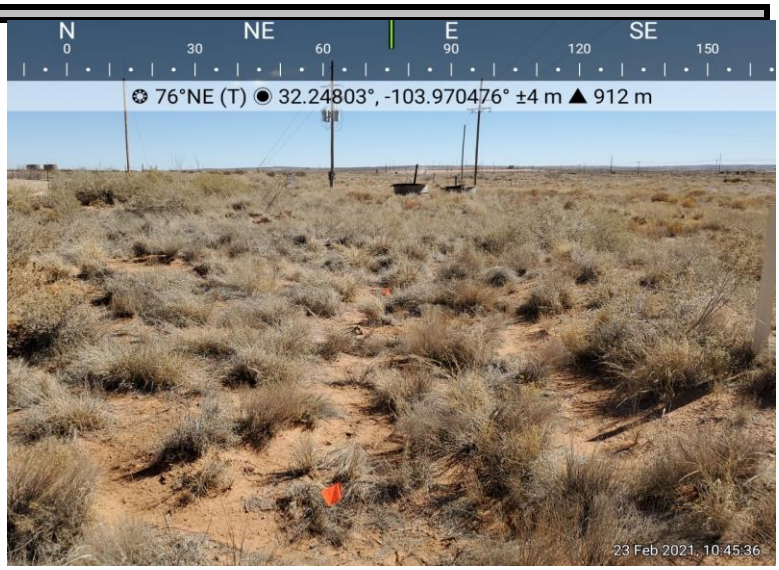
EOG Resources

Photograph No. 1

Facility: Knoll AOK Federal #1 2RP-210

County: Eddy County, New Mexico

Description:
View East of sampled release area

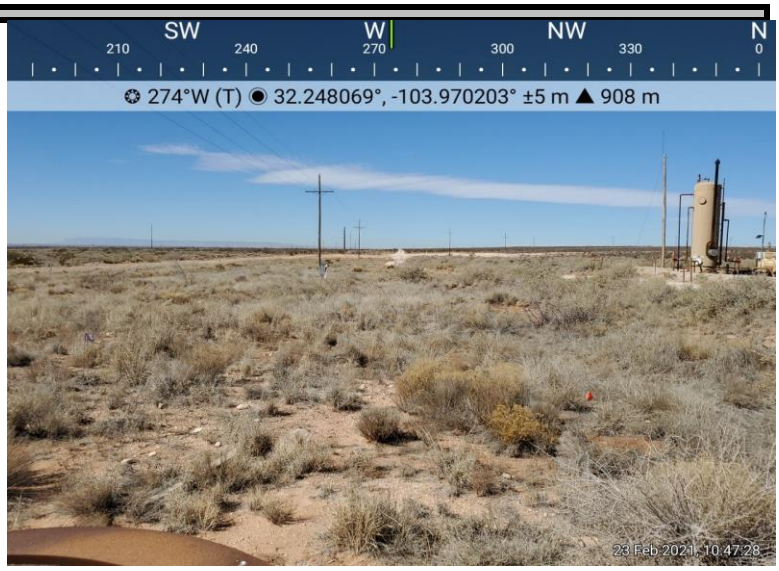


Photograph No. 2

Facility: Knoll AOK Federal #1 2RP-210

County: Eddy County, New Mexico

Description:
View West of sampled release



Photograph No. 3

Facility: Knoll AOK Federal #1 2RP-210

County: Eddy County, New Mexico

Description:
View Northwest of 8" Poly line on the right of way South of Facility

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

JUL 18 2008
OCD-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

i SEB0821948010
n SEB0821947882

OPERATOR

X Initial Report Final Report

Name of Company Yates Petroleum Corporation 25575	Contact Mike Stubblefield
Address 105 South 4th Street, Artesia, N.M. 88210	Telephone No. 505-7484500 505-513-1712
Facility Name Knoll AOK Federal #1 30 015 28127	Facility Type PW gathering line.

Surface Owner Federal	Mineral Owner	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
G	3	24s	29e	1980'	FNL	1980'	FEL	Eddy

Latitude ___ **Longitude** _____

NATURE OF RELEASE

Type of Release: Produced water	Volume of Release 50 B/PW	Volume Recovered 0 B/PW
Source of Release 8" water line west of the knoll AOK Federal #1	Date and Hour of Occurrence 7/7/2008	Date and Hour of Discovery same
Was Immediate Notice Given? Yes X No Not Required	If YES, To Whom? NMOCD/Mike Bratcher's	
By Whom? Mike Stubblefield	Date and Hour 7/7/2008 2:10pm	
Was a Watercourse Reached? ☐ Yes X No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.
Pipeline split, looked like a manufacture defect. The line was repaired and placed back into service.

Describe Area Affected and Cleanup Action Taken.*
The impacted area was the waterline right away. Soil samples will be taken from the impacted area. Soil samples will be submitted to a second party lab and analysis ran for Chlorides using EPA Method 300. When the analytical report is received from initial soil samples taken, the Chlorides will be evaluated and appropriate actions taken. Yates Petroleum Corporation will then submit a final C-141 form requesting closure for the release that occurred on 5/30/2008. Depth to ground water > 100', Wellhead protection area > 1000', Distance to surface water body > 1000' Site ranking 0

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: Mike Stubblefield	OIL CONSERVATION DIVISION
Printed Name: Mike Stubblefield	Approved by District Supervisor: T Gum by SB
Title: Environmental Regulatory Agent	Approval Date: 9-24-08 / Expiration Date: 11-24-08
E-mail Address: mikes@ypcnm.com	Conditions of Approval: SEE ATTACHED STIPULATIONS / Attached ☑
Date: 7/18/2008 Phone: 505-748-4500	

Remediation Actions to be completed and Final C-141 submitted with confirmation analyses/documentation on or before the Expiration Date.

* Attach Additional Sheets If Necessary

SEB 0821948095

2RP-210

Notify OCD 48 hours prior to obtaining samples where analyses are to be presented to OCD

New Mexico Energy, Minerals and Natural Resources Department

Bill Richardson
Governor

Joanna Prukop
Cabinet Secretary
Reese Fullerton
Deputy Cabinet Secretary

Mark Fesmire
Division Director
Oil Conservation Division

September 24, 2008

Yates Petroleum Corporation
105 S 4th Street
Artesia, NM 88210

RE: Knoll AOK Federal 001 G-3-24S-29E
30-015-28127 Eddy County, New Mexico
2RP-210

Dear Operator:

This office is in receipt of your C-141 regarding the produced water release at this facility.

NMOCD Rule 19.15.3.116 states in part, "...The responsible person must complete **division approved corrective action** for releases which endanger public health or the environment. Releases will be addressed in accordance with a **remediation plan** submitted to and approved by the division or with an abatement plan submitted in accordance with Section 19 of 19.15.1 NMAC."

Information and tools for proper corrective action may be found in the Environmental Handbook on our web site at the following link:
http://www.emnrd.state.nm.us/ocd/documents/7C_spill1.pdf

The following actions are **required** to be addressed in the **remediation plan**:

- Determine the horizontal and vertical delineation (TPH, BTEX, and Chlorides) of the spill by sampling. Constituents of concern (TPH, BTEX, and Chlorides) are to be addressed in the delineation and remediation plan.
- Prepare a sketch of the site indicating where and at what depths the samples were taken.
- Submit laboratory results of sampling as well as the proposed remediation with the plan.

Remediation requirements may be subject to other federal, state, and local laws or regulations.

Within 30 days, **on or before October 24, 2008,** completion of a remediation work plan should be finalized and submitted to the Division summarizing all actions taken or to be taken to mitigate environmental damage related to the leak, spill or release for approval.

Please be advised that NMOCD acceptance and/or approval of documents or work plans 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 and/or approval of documents or work plans do not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

If I may be of further assistance with this matter or should you have any questions, please feel free to contact me.

Sincerely,

Sherry Bonham
NMOCD District II, Artesia
(505) 748-1283 ext 109
E-mail: sherry.bonham@state.nm.us

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	2RP-210
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?	26' (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-210
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: 03/04/2021

email: james_kennedy@eogresources.com Telephone: 432.848.9146

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	nSEB0821947882
District RP	2RP-210
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: 3/04/2021

email: james_kennedy@eogresources.com Telephone: 432.848.9146

OCD Only

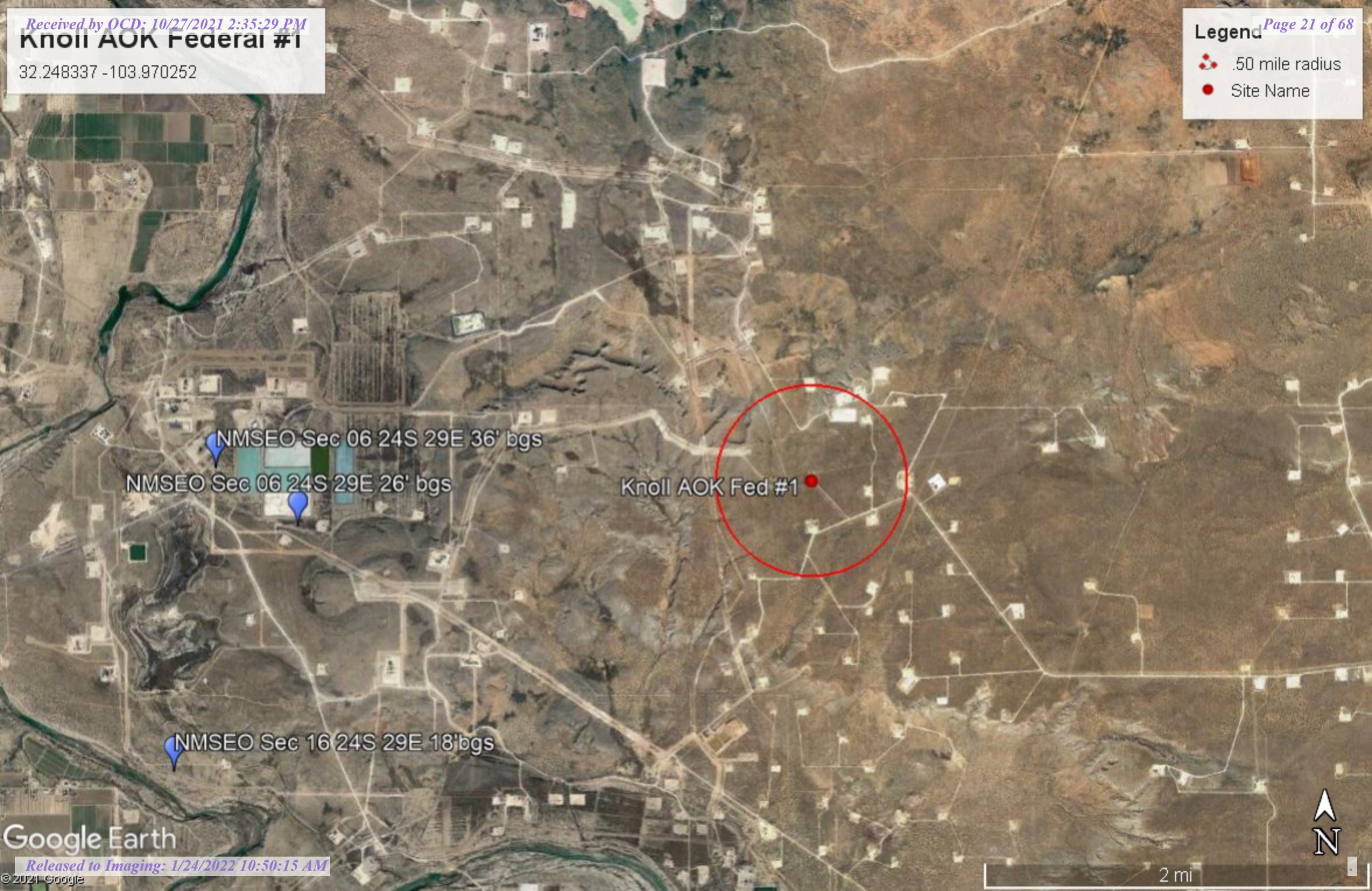
Received by: _____ Date: _____

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: Bradford Billings Date: 01/24/2022

Printed Name: Bradford Billings Title: E. Spec.A

Appendix B



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
C 00349	C	CUB	ED		1	3	18	24S	29E	591401	3564773*	2734		
C 00381	C	CUB	ED	3	2	3	07	24S	29E	591682	3566297*	2797		
C 00463		C	ED	4	4	4	17	24S	29E	594332	3564282*	260	4	256
C 00856		CUB	ED	1	2	4	30	24S	29E	592538	3561644*	380		
C 00857		CUB	ED	3	1	4	30	24S	29E	592135	3561440*	306		
C 00862		CUB	ED	1	2	4	30	24S	29E	592538	3561644*	155		
C 00863		CUB	ED	3	3	1	16	24S	29E	594524	3565091*	220		
C 00863 CLW199506	O	CUB	ED	3	3	1	16	24S	29E	594524	3565091*	220		
C 02713		CUB	ED	4	4	1	16	24S	29E	591633	3565944	230	18	212
C 03615 POD1		CUB	ED	1	3	2	06	24S	29E	591964	3568500	60	36	24
C 03615 POD2		CUB	ED	4	2	4	06	24S	29E	592661	3568013	60	26	34
C 04481 POD1		CUB	ED	1	3	4	03	24S	29E	596799	3567778	135		
C 04481 POD2		CUB	ED	1	3	4	03	24S	29E	596852	3567748	120		
C 04481 POD3		CUB	ED	2	4	3	03	24S	29E	596799	3567778	120		
C 04481 POD4		CUB	ED	2	4	3	03	24S	29E	596747	3567685	150		
C 04481 POD5		CUB	ED	2	4	3	03	24S	29E	596747	3567747	120		
C 04481 POD6		CUB	ED	2	4	3	03	24S	29E	596748	3567654	120		
C 04481 POD8		CUB	ED	1	3	4	03	24S	29E	596852	3567655	125		

Average Depth to Water: **21 feet**

Minimum Depth: **4 feet**

Maximum Depth: **36 feet**

Record Count: 18

PLSS Search:

Township: 24S **Range:** 29E

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

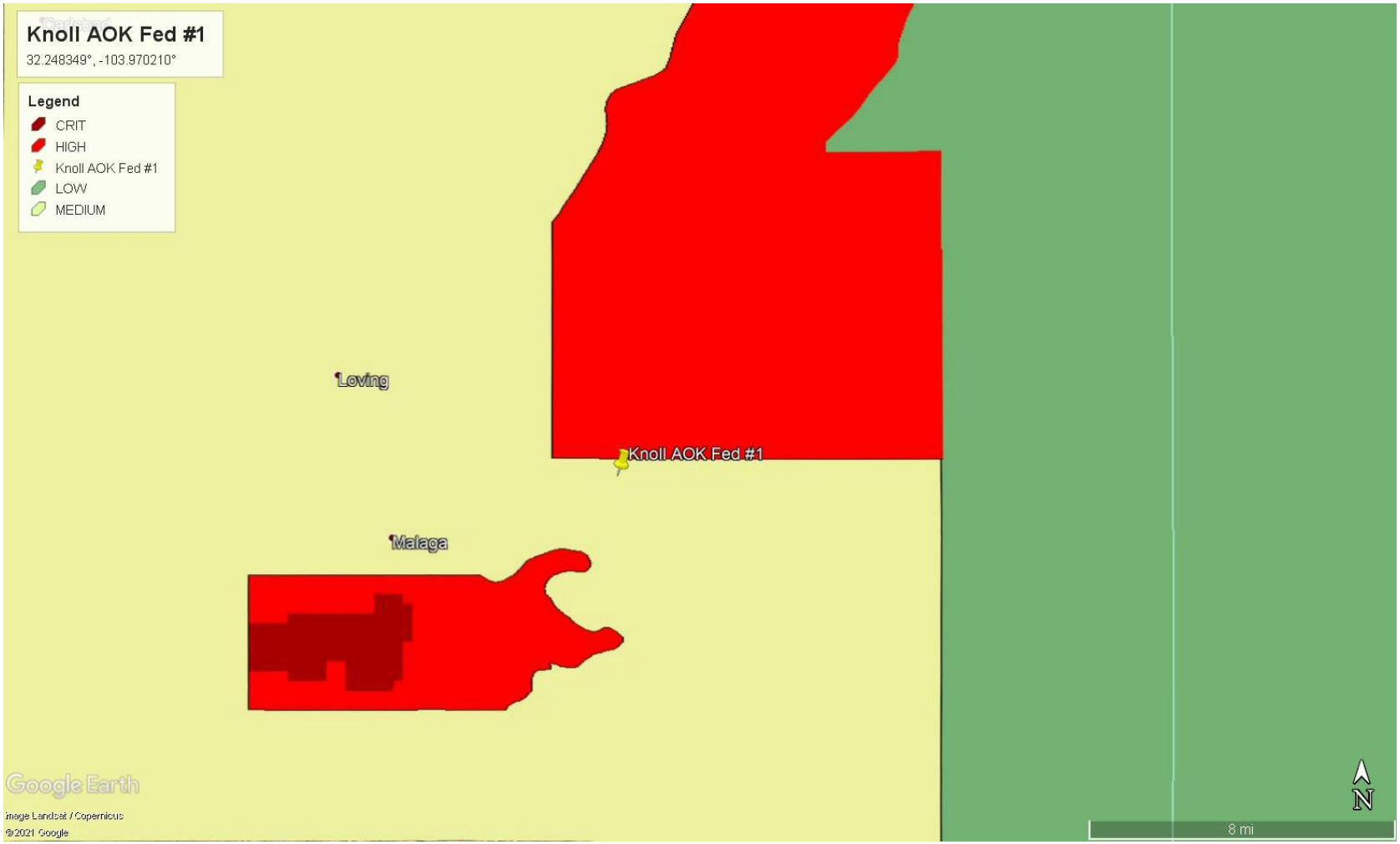
New Mexico Office of the State Engineer
Point of Diversion Summary

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
	C 03615 POD2	4	2	4	06	24S	29E	592661	3568013

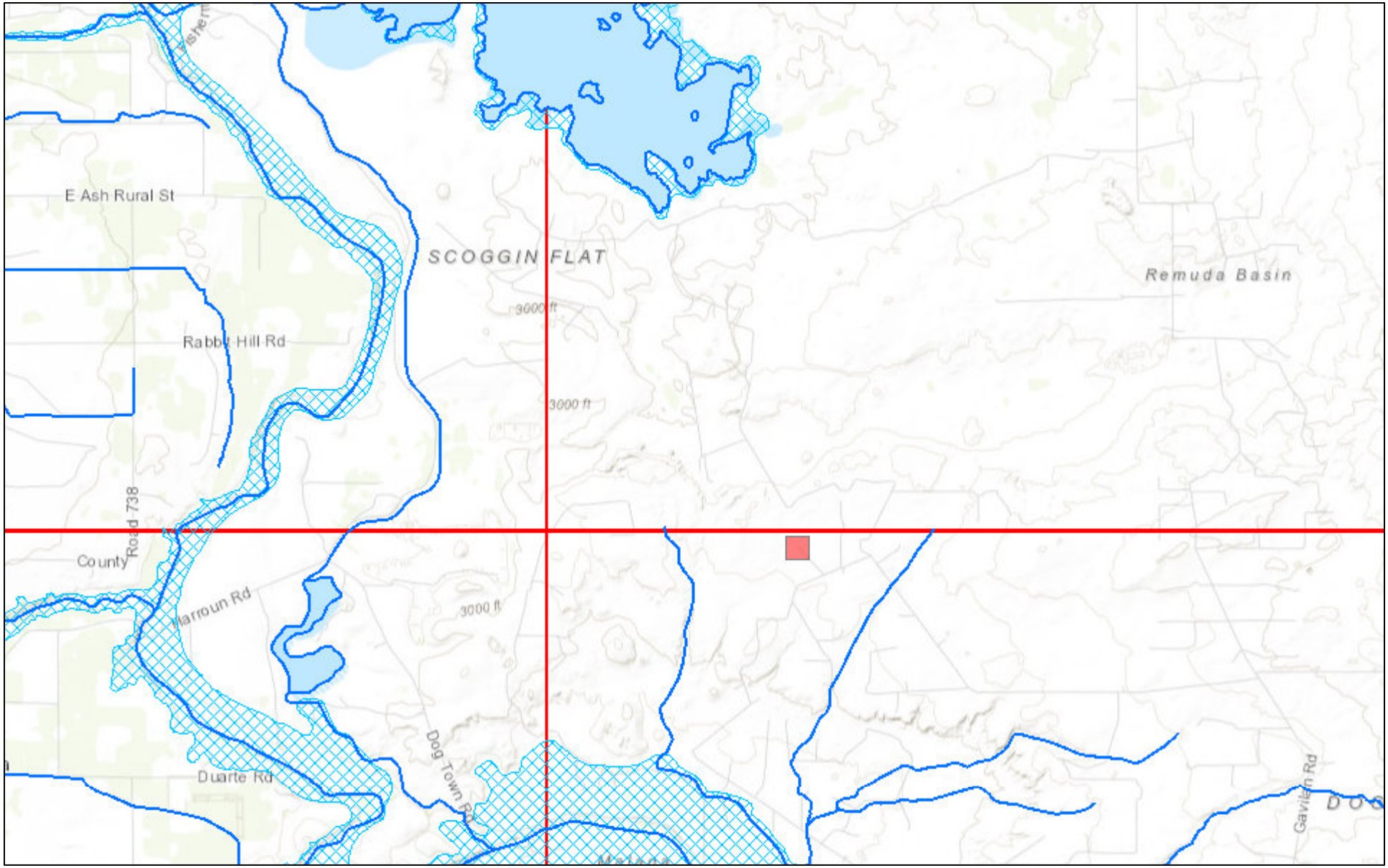
Driller License:	1348	**Driller Company:**	TAYLOR WATER WELL SERVICE		
Driller Name:	TAYLOR, CLINTON E. (LD)				
Drill Start Date:	05/01/2013	**Drill Finish Date:**	05/01/2013	**Plug Date:**	
Log File Date:	05/10/2013	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	10 GPM
Casing Size:	2.00	**Depth Well:**	60 feet	**Depth Water:**	26 feet

Water Bearing Stratifications:	Top	Bottom	Description
	45	57	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	45	60


Knoll AOK Fed #1
32.248349°, -103.970210°
Legend
CRIT
HIGH
Knoll AOK Fed #1
LOW
MEDIUM
Loving
Knoll AOK Fed #1
Malaga
Google Earth
Image Landsat / Copernicus
©2021 Google
N
8 mi

New Mexico NFHL Data



March 1, 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.

Appendix C

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Analytical Report 689052

for

NT Global

Project Manager: Mike Carmona

Knoll AOK Fed #1

213910

03.03.2021

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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03.03.2021

Project Manager: **Mike Carmona**
NT Global
701 Tradewinds Blvd
Midland, TX 79706

Reference: Eurofins Xenco, LLC Report No(s): **689052**
Knoll AOK Fed #1
Project Address: Eddy Co, NM

Mike Carmona:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 689052. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 689052 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Sample Cross Reference 689052

NT Global, Midland, TX

Knoll AOK Fed #1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
S-1 (0-1')	S	02.24.2021 00:00		689052-001
S-1 (1-1.5')	S	02.24.2021 00:00		689052-002
S-2 (0-1')	S	02.24.2021 00:00		689052-003
S-2 (1-1.5')	S	02.24.2021 00:00		689052-004
S-3 (0-1')	S	02.24.2021 00:00		689052-005
S-3 (1-1.5')	S	02.24.2021 00:00		689052-006

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Certificate of Analysis Summary 689052

NT Global, Midland, TX

Project Name: Knoll AOK Fed #1

Project Id: 213910
Contact: Mike Carmona
Project Location: Eddy Co, NM

Date Received in Lab: Wed 02.24.2021 10:45
Report Date: 03.03.2021 12:05
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	689052-001		689052-002		689052-003		689052-004		689052-005		689052-006	
	Field Id:	S-1 (0-1')		S-1 (1-1.5')		S-2 (0-1')		S-2 (1-1.5')		S-3 (0-1')		S-3 (1-1.5')	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	02.24.2021 00:00		02.24.2021 00:00		02.24.2021 00:00		02.24.2021 00:00		02.24.2021 00:00		02.24.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	02.25.2021 17:00		02.25.2021 17:00		02.25.2021 17:00		02.25.2021 17:00		02.25.2021 17:00		02.25.2021 17:00	
	Analyzed:	02.26.2021 04:35		02.26.2021 06:00		02.26.2021 06:21		02.26.2021 06:41		02.26.2021 07:02		02.26.2021 07:23	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199
Toluene		<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199
Ethylbenzene		<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199
m,p-Xylenes		<0.00400	0.00400	<0.00398	0.00398	<0.00396	0.00396	<0.00401	0.00401	<0.00398	0.00398	<0.00398	0.00398
o-Xylene		<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199
Total Xylenes		<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199
Total BTEX		<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199
Inorganic Anions by EPA 300/300.1	***Extracted:***	02.25.2021 19:00		02.25.2021 19:00		02.25.2021 19:00		02.25.2021 19:00		02.25.2021 19:00		02.25.2021 19:00	
	Analyzed:	02.25.2021 23:00		02.25.2021 23:05		02.25.2021 23:11		02.25.2021 23:16		02.25.2021 23:22		02.25.2021 23:27	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		8.28	5.03	<5.05	5.05	<5.02	5.02	<5.02	5.02	<5.01	5.01	12.1	5.00
TPH By SW8015 Mod	***Extracted:***	02.25.2021 12:00		02.25.2021 12:00		02.25.2021 12:00		02.25.2021 12:00		02.25.2021 12:00		02.25.2021 12:00	
	Analyzed:	02.25.2021 13:55		02.25.2021 14:16		02.25.2021 14:37		02.25.2021 14:58		02.25.2021 15:19		02.25.2021 15:40	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.9	49.9
Diesel Range Organics (DRO)		<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.9	49.9
Total TPH		<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.9	49.9

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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CASE NARRATIVE

Client Name: NT Global

Project Name: Knoll AOK Fed #1

Project ID: *213910*
Work Order Number(s): *689052*

Report Date: *03.03.2021*
Date Received: *02.24.2021*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3151838 BTEX by EPA 8021B

Surrogate 4-Bromofluorobenzene recovered below QC limits. Samples affected are: 7722044-1-BLK,689049-019 SD.

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Certificate of Analytical Results 689052

NT Global, Midland, TX

Knoll AOK Fed #1

Sample Id:	**S-1 (0-1')**	Matrix:	Soil	Date Received:	02.24.2021 10:45
Lab Sample Id:	689052-001	Date Collected:	02.24.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.25.2021 19:00	% Moisture:	
Seq Number:	3151847			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**8.28**	5.03	mg/kg	02.25.2021 23:00		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.25.2021 12:00	% Moisture:	
Seq Number:	3151881			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.25.2021 13:55	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.25.2021 13:55	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.25.2021 13:55	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.25.2021 13:55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	101	%	70-130	02.25.2021 13:55	
o-Terphenyl	84-15-1	96	%	70-130	02.25.2021 13:55	

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Certificate of Analytical Results 689052

NT Global, Midland, TX

Knoll AOK Fed #1

Sample Id:	**S-1 (0-1')**	Matrix:	Soil	Date Received:	02.24.2021 10:45
Lab Sample Id:	689052-001	Date Collected:	02.24.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.25.2021 17:00	% Moisture:	
Seq Number:	3151838			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.26.2021 04:35	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.26.2021 04:35	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.26.2021 04:35	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	02.26.2021 04:35	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.26.2021 04:35	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.26.2021 04:35	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.26.2021 04:35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	102	%	70-130	02.26.2021 04:35	
4-Bromofluorobenzene	460-00-4	89	%	70-130	02.26.2021 04:35	

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Certificate of Analytical Results 689052

NT Global, Midland, TX

Knoll AOK Fed #1

Sample Id:	**S-1 (1-1.5')**	Matrix:	Soil	Date Received:	02.24.2021 10:45
Lab Sample Id:	689052-002	Date Collected:	02.24.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.25.2021 19:00	% Moisture:	
Seq Number:	3151847			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<5.05	5.05	mg/kg	02.25.2021 23:05	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.25.2021 12:00	% Moisture:	
Seq Number:	3151881			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.25.2021 14:16	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.25.2021 14:16	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.25.2021 14:16	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.25.2021 14:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	101	%	70-130	02.25.2021 14:16	
o-Terphenyl	84-15-1	96	%	70-130	02.25.2021 14:16	

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Certificate of Analytical Results 689052

NT Global, Midland, TX

Knoll AOK Fed #1

Sample Id:	**S-1 (1-1.5')**	Matrix:	Soil	Date Received:	02.24.2021 10:45
Lab Sample Id:	689052-002	Date Collected:	02.24.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.25.2021 17:00	% Moisture:	
Seq Number:	3151838			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.26.2021 06:00	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.26.2021 06:00	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.26.2021 06:00	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.26.2021 06:00	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.26.2021 06:00	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.26.2021 06:00	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.26.2021 06:00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	02.26.2021 06:00	
4-Bromofluorobenzene	460-00-4	75	%	70-130	02.26.2021 06:00	

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Certificate of Analytical Results 689052

NT Global, Midland, TX

Knoll AOK Fed #1

Sample Id:	**S-2 (0-1')**	Matrix:	Soil	Date Received:	02.24.2021 10:45
Lab Sample Id:	689052-003	Date Collected:	02.24.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.25.2021 19:00	% Moisture:	
Seq Number:	3151847			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<5.02	5.02	mg/kg	02.25.2021 23:11	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.25.2021 12:00	% Moisture:	
Seq Number:	3151881			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.25.2021 14:37	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.25.2021 14:37	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.25.2021 14:37	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.25.2021 14:37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	101	%	70-130	02.25.2021 14:37	
o-Terphenyl	84-15-1	100	%	70-130	02.25.2021 14:37	

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Certificate of Analytical Results 689052

NT Global, Midland, TX

Knoll AOK Fed #1

Sample Id:	**S-2 (0-1')**	Matrix:	Soil	Date Received:	02.24.2021 10:45
Lab Sample Id:	689052-003	Date Collected:	02.24.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.25.2021 17:00	% Moisture:	
Seq Number:	3151838			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	02.26.2021 06:21	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	02.26.2021 06:21	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	02.26.2021 06:21	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	02.26.2021 06:21	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	02.26.2021 06:21	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	02.26.2021 06:21	U	1
Total BTEX		<0.00198	0.00198	mg/kg	02.26.2021 06:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	02.26.2021 06:21	
4-Bromofluorobenzene	460-00-4	76	%	70-130	02.26.2021 06:21	

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Certificate of Analytical Results 689052

NT Global, Midland, TX

Knoll AOK Fed #1

Sample Id:	**S-2 (1-1.5')**	Matrix:	Soil	Date Received:	02.24.2021 10:45
Lab Sample Id:	689052-004	Date Collected:	02.24.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.25.2021 19:00	% Moisture:	
Seq Number:	3151847			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<5.02	5.02	mg/kg	02.25.2021 23:16	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.25.2021 12:00	% Moisture:	
Seq Number:	3151881			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.25.2021 14:58	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.25.2021 14:58	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.25.2021 14:58	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.25.2021 14:58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-130	02.25.2021 14:58	
o-Terphenyl	84-15-1	106	%	70-130	02.25.2021 14:58	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 689052

NT Global, Midland, TX

Knoll AOK Fed #1

Sample Id:	**S-2 (1-1.5')**	Matrix:	Soil	Date Received:	02.24.2021 10:45
Lab Sample Id:	689052-004	Date Collected:	02.24.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.25.2021 17:00	% Moisture:	
Seq Number:	3151838			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.26.2021 06:41	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.26.2021 06:41	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.26.2021 06:41	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.26.2021 06:41	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.26.2021 06:41	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.26.2021 06:41	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.26.2021 06:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	124	%	70-130	02.26.2021 06:41	
4-Bromofluorobenzene	460-00-4	80	%	70-130	02.26.2021 06:41	

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Certificate of Analytical Results 689052

NT Global, Midland, TX

Knoll AOK Fed #1

Sample Id:	**S-3 (0-1')**	Matrix:	Soil	Date Received:	02.24.2021 10:45
Lab Sample Id:	689052-005	Date Collected:	02.24.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.25.2021 19:00	% Moisture:	
Seq Number:	3151847			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<5.01	5.01	mg/kg	02.25.2021 23:22	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.25.2021 12:00	% Moisture:	
Seq Number:	3151881			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.25.2021 15:19	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.25.2021 15:19	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.25.2021 15:19	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.25.2021 15:19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-130	02.25.2021 15:19	
o-Terphenyl	84-15-1	97	%	70-130	02.25.2021 15:19	

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Certificate of Analytical Results 689052

NT Global, Midland, TX

Knoll AOK Fed #1

Sample Id:	**S-3 (0-1')**	Matrix:	Soil	Date Received:	02.24.2021 10:45
Lab Sample Id:	689052-005	Date Collected:	02.24.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.25.2021 17:00	% Moisture:	
Seq Number:	3151838			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.26.2021 07:02	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.26.2021 07:02	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.26.2021 07:02	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.26.2021 07:02	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.26.2021 07:02	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.26.2021 07:02	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.26.2021 07:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	77	%	70-130	02.26.2021 07:02	
1,4-Difluorobenzene	540-36-3	105	%	70-130	02.26.2021 07:02	

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Certificate of Analytical Results 689052

NT Global, Midland, TX

Knoll AOK Fed #1

Sample Id:	**S-3 (1-1.5')**	Matrix:	Soil	Date Received:	02.24.2021 10:45
Lab Sample Id:	689052-006	Date Collected:	02.24.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.25.2021 19:00	% Moisture:	
Seq Number:	3151847			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**12.1**	5.00	mg/kg	02.25.2021 23:27		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.25.2021 12:00	% Moisture:	
Seq Number:	3151881			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.25.2021 15:40	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.25.2021 15:40	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.25.2021 15:40	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.25.2021 15:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-130	02.25.2021 15:40	
o-Terphenyl	84-15-1	100	%	70-130	02.25.2021 15:40	

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Certificate of Analytical Results 689052

NT Global, Midland, TX

Knoll AOK Fed #1

Sample Id:	**S-3 (1-1.5')**	Matrix:	Soil	Date Received:	02.24.2021 10:45
Lab Sample Id:	689052-006	Date Collected:	02.24.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.25.2021 17:00	% Moisture:	
Seq Number:	3151838			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.26.2021 07:23	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.26.2021 07:23	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.26.2021 07:23	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.26.2021 07:23	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.26.2021 07:23	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.26.2021 07:23	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.26.2021 07:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	122	%	70-130	02.26.2021 07:23	
4-Bromofluorobenzene	460-00-4	71	%	70-130	02.26.2021 07:23	

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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QC Summary 689052

NT Global

Knoll AOK Fed #1

Analytical Method: Inorganic Anions by EPA 300/300.1 — Prep Method: E300P
Seq Number: 3151847 — Matrix: Solid — Date Prep: 02.25.2021
MB Sample Id: 7722019-1-BLK — LCS Sample Id: 7722019-1-BKS — LCSD Sample Id: 7722019-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	239	96	237	95	90-110	1	20	mg/kg	02.25.2021 22:00	

Analytical Method: Inorganic Anions by EPA 300/300.1 — Prep Method: E300P
Seq Number: 3151847 — Matrix: Soil — Date Prep: 02.25.2021
Parent Sample Id: 689049-022 — MS Sample Id: 689049-022 S — MSD Sample Id: 689049-022 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	179	251	421	96	419	96	90-110	0	20	mg/kg	02.25.2021 22:16	

Analytical Method: Inorganic Anions by EPA 300/300.1 — Prep Method: E300P
Seq Number: 3151847 — Matrix: Soil — Date Prep: 02.25.2021
Parent Sample Id: 689052-006 — MS Sample Id: 689052-006 S — MSD Sample Id: 689052-006 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	12.1	250	253	96	252	96	90-110	0	20	mg/kg	02.25.2021 23:33	

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3151881 — Matrix: Solid — Date Prep: 02.25.2021
MB Sample Id: 7722041-1-BLK — LCS Sample Id: 7722041-1-BKS — LCSD Sample Id: 7722041-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1080	108	1150	115	70-130	6	20	mg/kg	02.25.2021 11:50	
Diesel Range Organics (DRO)	<50.0	1000	929	93	1090	109	70-130	16	20	mg/kg	02.25.2021 11:50	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	104		105		110		70-130	%	02.25.2021 11:50
o-Terphenyl	107		99		109		70-130	%	02.25.2021 11:50

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3151881 — Matrix: Solid — Date Prep: 02.25.2021
MB Sample Id: 7722041-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	02.25.2021 11:29	

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

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QC Summary 689052

NT Global

Knoll AOK Fed #1

Analytical Method: **TPH By SW8015 Mod** Prep Method: SW8015P
Seq Number: 3151881 Matrix: Soil Date Prep: 02.25.2021
Parent Sample Id: 689050-001 MS Sample Id: 689050-001 S MSD Sample Id: 689050-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	1100	110	1090	109	70-130	1	20	mg/kg	02.25.2021 12:52	
Diesel Range Organics (DRO)	<49.9	997	1000	100	993	100	70-130	1	20	mg/kg	02.25.2021 12:52	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	102		100		70-130	%	02.25.2021 12:52
o-Terphenyl	93		91		70-130	%	02.25.2021 12:52

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3151838 Matrix: Solid Date Prep: 02.25.2021
MB Sample Id: 7722044-1-BLK LCS Sample Id: 7722044-1-BKS LCSD Sample Id: 7722044-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.119	119	0.117	117	70-130	2	35	mg/kg	02.25.2021 23:06	
Toluene	<0.00200	0.100	0.107	107	0.113	113	70-130	5	35	mg/kg	02.25.2021 23:06	
Ethylbenzene	<0.00200	0.100	0.0967	97	0.102	102	70-130	5	35	mg/kg	02.25.2021 23:06	
m,p-Xylenes	<0.00400	0.200	0.201	101	0.215	108	70-130	7	35	mg/kg	02.25.2021 23:06	
o-Xylene	<0.00200	0.100	0.0922	92	0.0975	98	70-130	6	35	mg/kg	02.25.2021 23:06	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	126		99		106		70-130	%	02.25.2021 23:06
4-Bromofluorobenzene	68	**	74		92		70-130	%	02.25.2021 23:06

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3151838 Matrix: Soil Date Prep: 02.25.2021
Parent Sample Id: 689049-019 MS Sample Id: 689049-019 S MSD Sample Id: 689049-019 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00198	0.0990	0.111	112	0.110	110	70-130	1	35	mg/kg	02.25.2021 23:48	
Toluene	<0.00198	0.0990	0.106	107	0.101	101	70-130	5	35	mg/kg	02.25.2021 23:48	
Ethylbenzene	<0.00198	0.0990	0.0873	88	0.0802	80	70-130	8	35	mg/kg	02.25.2021 23:48	
m,p-Xylenes	<0.00396	0.198	0.182	92	0.162	81	70-130	12	35	mg/kg	02.25.2021 23:48	
o-Xylene	<0.00198	0.0990	0.0847	86	0.0803	80	70-130	5	35	mg/kg	02.25.2021 23:48	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	104		107		70-130	%	02.25.2021 23:48
4-Bromofluorobenzene	76		68	**	70-130	%	02.25.2021 23:48

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

Chain of Custody

NTG ENVIRONMENTAL

Work Order No: 489052

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

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Knoll AOK Fed #1	Turn Around	
Project Number:	213910	☐ Routine	☑ Rush
Project Location	Eddy Co, NM	Due Date:	72 Hrs
Sampler's Name:	Conner Moehring	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:	.5
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	3.8
Total Containers:		Corrected Temperature:	4.3

ANALYSIS REQUEST

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 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')	2/24/2021		X		Comp	1		X	X	X		
S-1 (1-1.5')	2/24/2021		X		Comp	1		X	X	X		
S-2 (0-1')	2/24/2021		X		Comp	1		X	X	X		
S-2 (1-1.5')	2/24/2021		X		Comp	1		X	X	X		
S-3 (0-1')	2/24/2021		X		Comp	1		X	X	X		
S-3 (1-1.5')	2/24/2021		X		Comp	1		X	X	X		

Additoinal Comments:

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Conner Moehring		2/24/21 1045	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: NT Global

Date/ Time Received: 02.24.2021 10.45.00 AM

Work Order #: 689052

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : IR8

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	4.3
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**
#5 Custody Seals intact on sample bottles?	**N/A**
#6*Custody Seals Signed and dated?	**N/A**
#7 *Chain of Custody present?	**Yes**
#8 Any missing/extra samples?	**Yes**
#9 Chain of Custody signed when relinquished/ received?	**Yes**
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**
#11 Container label(s) legible and intact?	**Yes**
#12 Samples in proper container/ bottle?	**Yes**
#13 Samples properly preserved?	**Yes**
#14 Sample container(s) intact?	**Yes**
#15 Sufficient sample amount for indicated test(s)?	**Yes**
#16 All samples received within hold time?	**Yes**
#17 Subcontract of sample(s)?	**N/A**
#18 Water VOC samples have zero headspace?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Brianna Teel Date: 02.24.2021

Brianna Teel

Checklist reviewed by: Jessica Kramer Date: 02.25.2021

Jessica Kramer

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Analytical Report 689051

for

NT Global

Project Manager: Mike Carmona

Knoll AOK Fed #1

213910

03.03.2021

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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03.03.2021

Project Manager: **Mike Carmona**
NT Global
701 Tradewinds Blvd
Midland, TX 79706

Reference: Eurofins Xenco, LLC Report No(s): **689051**
Knoll AOK Fed #1
Project Address: Eddy Co, NM

Mike Carmona:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 689051. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 689051 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Sample Cross Reference 689051

NT Global, Midland, TX

Knoll AOK Fed #1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
H-1 (0-1')	S	02.24.2021 00:00		689051-001
H-2 (0-1')	S	02.24.2021 00:00		689051-002
H-3 (0-1')	S	02.24.2021 00:00		689051-003
H-4 (0-1')	S	02.24.2021 00:00		689051-004

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Certificate of Analysis Summary 689051

NT Global, Midland, TX

Project Name: Knoll AOK Fed #1

Project Id: 213910
Contact: Mike Carmona
Project Location: Eddy Co, NM

Date Received in Lab: Wed 02.24.2021 10:45
Report Date: 03.03.2021 12:08
Project Manager: Jessica Kramer

Analysis Requested															
	Lab Id:	689051-001		689051-002		689051-003		689051-004							
	Field Id:	H-1 (0-1')		H-2 (0-1')		H-3 (0-1')		H-4 (0-1')							
	Depth:														
	Matrix:	SOIL		SOIL		SOIL		SOIL							
	Sampled:	02.24.2021 00:00		02.24.2021 00:00		02.24.2021 00:00		02.24.2021 00:00							
BTEX by EPA 8021B	***Extracted:***	02.25.2021 17:00		02.25.2021 17:00		02.25.2021 17:00		02.25.2021 17:00							
	Analyzed:	02.26.2021 03:13		02.26.2021 03:33		02.26.2021 03:54		02.26.2021 04:15							
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL						
Benzene		<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202						
Toluene		<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202						
Ethylbenzene		<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202						
m,p-Xylenes		<0.00397	0.00397	<0.00400	0.00400	<0.00398	0.00398	<0.00404	0.00404						
o-Xylene		<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202						
Total Xylenes		<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202						
Total BTEX		<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202						
Inorganic Anions by EPA 300/300.1	***Extracted:***	02.25.2021 19:00		02.25.2021 19:00		02.25.2021 19:00		02.25.2021 19:00							
	Analyzed:	02.25.2021 22:27		02.25.2021 22:33		02.25.2021 22:38		02.25.2021 22:43							
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL						
Chloride		<4.97	4.97	<5.00	5.00	<4.96	4.96	<4.98	4.98						
TPH By SW8015 Mod	***Extracted:***	02.25.2021 14:00		02.25.2021 14:00		02.25.2021 14:00		02.25.2021 12:00							
	Analyzed:	02.26.2021 05:54		02.26.2021 06:16		02.26.2021 06:37		02.25.2021 13:34							
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL						
Gasoline Range Hydrocarbons (GRO)		<49.8	49.8	<49.9	49.9	<50.0	50.0	<50.0	50.0						
Diesel Range Organics (DRO)		<49.8	49.8	<49.9	49.9	<50.0	50.0	<50.0	50.0						
Motor Oil Range Hydrocarbons (MRO)		<49.8	49.8	<49.9	49.9	<50.0	50.0	<50.0	50.0						
Total TPH		<49.8	49.8	<49.9	49.9	<50.0	50.0	<50.0	50.0						

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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CASE NARRATIVE

Client Name: NT Global

Project Name: Knoll AOK Fed #1

Project ID: *213910*
Work Order Number(s): *689051*

Report Date: *03.03.2021*
Date Received: *02.24.2021*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3151838 BTEX by EPA 8021B

Surrogate 4-Bromofluorobenzene recovered below QC limits. Samples affected are: 7722044-1-BLK,689049-019 SD.

Batch: LBA-3151874 TPH By SW8015 Mod

Surrogate o-Terphenyl recovered above QC limits Data confirmed by re-analysis. Samples affected are: 7722031-1-BKS,7722031-1-BLK,7722031-1-BSD,689051-001,689051-002,689051-003.

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Certificate of Analytical Results 689051

NT Global, Midland, TX

Knoll AOK Fed #1

Sample Id: **H-1 (0-1')** Matrix: Soil Date Received:02.24.2021 10:45

Lab Sample Id: 689051-001 Date Collected: 02.24.2021 00:00

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 02.25.2021 19:00 % Moisture:

Seq Number: 3151847 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.97	4.97	mg/kg	02.25.2021 22:27	U	1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 02.25.2021 14:00 % Moisture:

Seq Number: 3151874 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.26.2021 05:54	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.26.2021 05:54	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.26.2021 05:54	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.26.2021 05:54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-130	02.26.2021 05:54	
o-Terphenyl	84-15-1	153	%	70-130	02.26.2021 05:54	**

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Certificate of Analytical Results 689051

NT Global, Midland, TX

Knoll AOK Fed #1

Sample Id:	**H-1 (0-1')**	Matrix:	Soil	Date Received:	02.24.2021 10:45
Lab Sample Id:	689051-001	Date Collected:	02.24.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.25.2021 17:00	% Moisture:	
Seq Number:	3151838			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	02.26.2021 03:13	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	02.26.2021 03:13	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	02.26.2021 03:13	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	02.26.2021 03:13	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	02.26.2021 03:13	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	02.26.2021 03:13	U	1
Total BTEX		<0.00198	0.00198	mg/kg	02.26.2021 03:13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	115	%	70-130	02.26.2021 03:13	
4-Bromofluorobenzene	460-00-4	71	%	70-130	02.26.2021 03:13	

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Certificate of Analytical Results 689051

NT Global, Midland, TX

Knoll AOK Fed #1

Sample Id:	**H-2 (0-1')**	Matrix:	Soil	Date Received:	02.24.2021 10:45
Lab Sample Id:	689051-002	Date Collected:	02.24.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.25.2021 19:00	% Moisture:	
Seq Number:	3151847			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<5.00	5.00	mg/kg	02.25.2021 22:33	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.25.2021 14:00	% Moisture:	
Seq Number:	3151874			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.26.2021 06:16	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.26.2021 06:16	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.26.2021 06:16	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.26.2021 06:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-130	02.26.2021 06:16	
o-Terphenyl	84-15-1	147	%	70-130	02.26.2021 06:16	**

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Certificate of Analytical Results 689051

NT Global, Midland, TX

Knoll AOK Fed #1

Sample Id:	**H-2 (0-1')**	Matrix:	Soil	Date Received:	02.24.2021 10:45
Lab Sample Id:	689051-002	Date Collected:	02.24.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.25.2021 17:00	% Moisture:	
Seq Number:	3151838			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.26.2021 03:33	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.26.2021 03:33	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.26.2021 03:33	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	02.26.2021 03:33	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.26.2021 03:33	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.26.2021 03:33	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.26.2021 03:33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	98	%	70-130	02.26.2021 03:33	
4-Bromofluorobenzene	460-00-4	85	%	70-130	02.26.2021 03:33	

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Certificate of Analytical Results 689051

NT Global, Midland, TX

Knoll AOK Fed #1

Sample Id:	**H-3 (0-1')**	Matrix:	Soil	Date Received:	02.24.2021 10:45
Lab Sample Id:	689051-003	Date Collected:	02.24.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.25.2021 19:00	% Moisture:	
Seq Number:	3151847			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.96	4.96	mg/kg	02.25.2021 22:38	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.25.2021 14:00	% Moisture:	
Seq Number:	3151874			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.26.2021 06:37	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.26.2021 06:37	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.26.2021 06:37	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.26.2021 06:37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-130	02.26.2021 06:37	
o-Terphenyl	84-15-1	158	%	70-130	02.26.2021 06:37	**

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Certificate of Analytical Results 689051

NT Global, Midland, TX

Knoll AOK Fed #1

Sample Id:	**H-3 (0-1')**	Matrix:	Soil	Date Received:	02.24.2021 10:45
Lab Sample Id:	689051-003	Date Collected:	02.24.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.25.2021 17:00	% Moisture:	
Seq Number:	3151838			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.26.2021 03:54	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.26.2021 03:54	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.26.2021 03:54	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.26.2021 03:54	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.26.2021 03:54	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.26.2021 03:54	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.26.2021 03:54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	109	%	70-130	02.26.2021 03:54	
4-Bromofluorobenzene	460-00-4	87	%	70-130	02.26.2021 03:54	

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Certificate of Analytical Results 689051

NT Global, Midland, TX

Knoll AOK Fed #1

Sample Id:	**H-4 (0-1')**	Matrix:	Soil	Date Received:	02.24.2021 10:45
Lab Sample Id:	689051-004	Date Collected:	02.24.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.25.2021 19:00	% Moisture:	
Seq Number:	3151847			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.98	4.98	mg/kg	02.25.2021 22:43	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.25.2021 12:00	% Moisture:	
Seq Number:	3151881			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.25.2021 13:34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.25.2021 13:34	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.25.2021 13:34	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.25.2021 13:34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-130	02.25.2021 13:34	
o-Terphenyl	84-15-1	101	%	70-130	02.25.2021 13:34	

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Certificate of Analytical Results 689051

NT Global, Midland, TX

Knoll AOK Fed #1

Sample Id:	**H-4 (0-1')**	Matrix:	Soil	Date Received:	02.24.2021 10:45
Lab Sample Id:	689051-004	Date Collected:	02.24.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.25.2021 17:00	% Moisture:	
Seq Number:	3151838			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	02.26.2021 04:15	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	02.26.2021 04:15	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	02.26.2021 04:15	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	02.26.2021 04:15	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	02.26.2021 04:15	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	02.26.2021 04:15	U	1
Total BTEX		<0.00202	0.00202	mg/kg	02.26.2021 04:15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	83	%	70-130	02.26.2021 04:15	
1,4-Difluorobenzene	540-36-3	105	%	70-130	02.26.2021 04:15	

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 689051

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NT Global

Knoll AOK Fed #1

Analytical Method: Inorganic Anions by EPA 300/300.1 — Prep Method: E300P
Seq Number: 3151847 — Matrix: Solid — Date Prep: 02.25.2021
MB Sample Id: 7722019-1-BLK — LCS Sample Id: 7722019-1-BKS — LCSD Sample Id: 7722019-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	239	96	237	95	90-110	1	20	mg/kg	02.25.2021 22:00	

Analytical Method: Inorganic Anions by EPA 300/300.1 — Prep Method: E300P
Seq Number: 3151847 — Matrix: Soil — Date Prep: 02.25.2021
Parent Sample Id: 689049-022 — MS Sample Id: 689049-022 S — MSD Sample Id: 689049-022 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	179	251	421	96	419	96	90-110	0	20	mg/kg	02.25.2021 22:16	

Analytical Method: Inorganic Anions by EPA 300/300.1 — Prep Method: E300P
Seq Number: 3151847 — Matrix: Soil — Date Prep: 02.25.2021
Parent Sample Id: 689052-006 — MS Sample Id: 689052-006 S — MSD Sample Id: 689052-006 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	12.1	250	253	96	252	96	90-110	0	20	mg/kg	02.25.2021 23:33	

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3151881 — Matrix: Solid — Date Prep: 02.25.2021
MB Sample Id: 7722041-1-BLK — LCS Sample Id: 7722041-1-BKS — LCSD Sample Id: 7722041-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1080	108	1150	115	70-130	6	20	mg/kg	02.25.2021 11:50	
Diesel Range Organics (DRO)	<50.0	1000	929	93	1090	109	70-130	16	20	mg/kg	02.25.2021 11:50	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	104		105		110		70-130	%	02.25.2021 11:50
o-Terphenyl	107		99		109		70-130	%	02.25.2021 11:50

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3151874 — Matrix: Solid — Date Prep: 02.25.2021
MB Sample Id: 7722031-1-BLK — LCS Sample Id: 7722031-1-BKS — LCSD Sample Id: 7722031-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	937	94	946	95	70-130	1	20	mg/kg	02.25.2021 22:06	
Diesel Range Organics (DRO)	<50.0	1000	935	94	946	95	70-130	1	20	mg/kg	02.25.2021 22:06	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	89		101		104		70-130	%	02.25.2021 22:06
o-Terphenyl	140	**	131	**	137	**	70-130	%	02.25.2021 22:06

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

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QC Summary 689051

NT Global

Knoll AOK Fed #1

Analytical Method: TPH By SW8015 Mod
Seq Number: 3151881
Matrix: Solid
MB Sample Id: 7722041-1-BLK
Prep Method: SW8015P
Date Prep: 02.25.2021

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	02.25.2021 11:29	

Analytical Method: TPH By SW8015 Mod
Seq Number: 3151874
Matrix: Solid
MB Sample Id: 7722031-1-BLK
Prep Method: SW8015P
Date Prep: 02.25.2021

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	02.25.2021 21:46	

Analytical Method: TPH By SW8015 Mod
Seq Number: 3151881
Parent Sample Id: 689050-001
Matrix: Soil
MS Sample Id: 689050-001 S
Prep Method: SW8015P
Date Prep: 02.25.2021
MSD Sample Id: 689050-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	1100	110	1090	109	70-130	1	20	mg/kg	02.25.2021 12:52	
Diesel Range Organics (DRO)	<49.9	997	1000	100	993	100	70-130	1	20	mg/kg	02.25.2021 12:52	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	102		100		70-130	%	02.25.2021 12:52
o-Terphenyl	93		91		70-130	%	02.25.2021 12:52

Analytical Method: TPH By SW8015 Mod
Seq Number: 3151874
Parent Sample Id: 689045-001
Matrix: Soil
MS Sample Id: 689045-001 S
Prep Method: SW8015P
Date Prep: 02.25.2021
MSD Sample Id: 689045-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	998	918	92	1030	103	70-130	11	20	mg/kg	02.25.2021 23:10	
Diesel Range Organics (DRO)	<49.9	998	897	90	952	95	70-130	6	20	mg/kg	02.25.2021 23:10	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	91		98		70-130	%	02.25.2021 23:10
o-Terphenyl	120		125		70-130	%	02.25.2021 23:10

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 689051

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NT Global

Knoll AOK Fed #1

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A

Seq Number: 3151838 Matrix: Solid Date Prep: 02.25.2021

MB Sample Id: 7722044-1-BLK LCS Sample Id: 7722044-1-BKS LCSD Sample Id: 7722044-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.119	119	0.117	117	70-130	2	35	mg/kg	02.25.2021 23:06	
Toluene	<0.00200	0.100	0.107	107	0.113	113	70-130	5	35	mg/kg	02.25.2021 23:06	
Ethylbenzene	<0.00200	0.100	0.0967	97	0.102	102	70-130	5	35	mg/kg	02.25.2021 23:06	
m,p-Xylenes	<0.00400	0.200	0.201	101	0.215	108	70-130	7	35	mg/kg	02.25.2021 23:06	
o-Xylene	<0.00200	0.100	0.0922	92	0.0975	98	70-130	6	35	mg/kg	02.25.2021 23:06	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	126		99		106		70-130	%	02.25.2021 23:06
4-Bromofluorobenzene	68	**	74		92		70-130	%	02.25.2021 23:06

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A

Seq Number: 3151838 Matrix: Soil Date Prep: 02.25.2021

Parent Sample Id: 689049-019 MS Sample Id: 689049-019 S MSD Sample Id: 689049-019 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00198	0.0990	0.111	112	0.110	110	70-130	1	35	mg/kg	02.25.2021 23:48	
Toluene	<0.00198	0.0990	0.106	107	0.101	101	70-130	5	35	mg/kg	02.25.2021 23:48	
Ethylbenzene	<0.00198	0.0990	0.0873	88	0.0802	80	70-130	8	35	mg/kg	02.25.2021 23:48	
m,p-Xylenes	<0.00396	0.198	0.182	92	0.162	81	70-130	12	35	mg/kg	02.25.2021 23:48	
o-Xylene	<0.00198	0.0990	0.0847	86	0.0803	80	70-130	5	35	mg/kg	02.25.2021 23:48	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	104		107		70-130	%	02.25.2021 23:48
4-Bromofluorobenzene	76		68	**	70-130	%	02.25.2021 23:48

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

Chain of Custody

NTG ENVIRONMENTAL

Work Order No: 689051

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

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ uperfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Knoll AOK Fed #1	Turn Around	
Project Number:	213910	☐ Routine	☑ Rush
Project Location	Eddy Co, NM	Due Date:	72 Hrs
Sampler's Name:	Conner Moehring	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:	-.5	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	3.8	
Total Containers:		Corrected Temperature:	4.3	

ANALYSIS REQUEST

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 Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
H-1 (0-1')	2/24/2021		X		Comp	1		X	X	X		
H-2 (0-1')	2/24/2021		X		Comp	1		X	X	X		
H-3 (0-1')	2/24/2021		X		Comp	1		X	X	X		
H-4 (0-1')	2/24/2021		X		Comp	1		X	X	X		

Additoinal Comments:

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Conner Moehring		4/24/21 1045	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: NT Global

Date/ Time Received: 02.24.2021 10.45.00 AM

Work Order #: 689051

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : IR8

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	4.3
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**
#5 Custody Seals intact on sample bottles?	**N/A**
#6*Custody Seals Signed and dated?	**N/A**
#7 *Chain of Custody present?	**Yes**
#8 Any missing/extra samples?	**No**
#9 Chain of Custody signed when relinquished/ received?	**Yes**
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**
#11 Container label(s) legible and intact?	**Yes**
#12 Samples in proper container/ bottle?	**Yes**
#13 Samples properly preserved?	**Yes**
#14 Sample container(s) intact?	**Yes**
#15 Sufficient sample amount for indicated test(s)?	**Yes**
#16 All samples received within hold time?	**Yes**
#17 Subcontract of sample(s)?	**N/A**
#18 Water VOC samples have zero headspace?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Brianna Teel Date: 02.24.2021

Brianna Teel

Checklist reviewed by: Jessica Kramer Date: 02.25.2021

Jessica Kramer

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

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 58214
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bbillings	In future on older CI releases please sample to at least four feet	1/24/2022