

Incident ID	nAPP2332626767
District RP	
Facility ID	
Application ID	

## Site Assessment/Characterization

*This information must be provided to the appropriate district office no later than 90 days after the release discovery date.*

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>&lt; 50</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

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

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

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

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

State of New Mexico  
Oil Conservation Division

Page 4

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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: Cameron Weddle Title: Director of Engineering

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

email: cameron.weddle@blackbuckresources.com Telephone: 432-400-3578

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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## Remediation Plan

**Remediation Plan Checklist:** *Each of the following items must be included in the plan.*

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

**Deferral Requests Only:** *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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: Cameron Weddle Title: Director of Engineering

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

email: cameron.weddle@blackbuckresources.com Telephone: 432-400-3578

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: \_\_\_\_\_ Date: \_\_\_\_\_



February 7, 2024

Cameron Weddle  
 Director of Engineering  
 Blackbuck Resources, LLC  
 3200 Southwest Freeway, Suite 3400  
 Houston, TX 77027

**Re:** Site Assessment Summary and Remediation Plan  
 Turning Point Riser  
 API No. N/A  
 GPS: Latitude 32.113204° Longitude -104.272853°  
 UL "I", Sec. 22, T25S, R26E  
 Eddy County, NM  
 NMOCD Incident ID: nAPP2332626767

J & H Services, Inc. (J & H), on behalf of Blackbuck Resources, LLC (Blackbuck), has prepared this *Site Assessment Summary and Remediation Plan* for the Release Site known as the Turning Point Riser. Details of the release are summarized below:

RELEASE DETAILS				
Type of Release: Produced Water		Volume of Release: 1000 bbls		
		Volume Recovered: 0 bbls		
Source of Release: Equipment Failure Pump		Date of Release: 11/22/23	Date of Discovery: 11/22/23	
Was Immediate Notice Given?	Yes	If, YES, to Whom?	NMOCD	
Was a Watercourse Reached?	No	If YES, Volume Impacting the Watercourse:		N/A
Surface Owner: BLM		Mineral Owner: BLM		
Describe Cause of Release and Remedial Action Taken:				
Equipment Failure Pump, crew was dispatched to repair pump and stop release.				

A Topographic Map is provided as Attachment #1. General Site Photographs are provided as Attachment #7.



## REGULATORY FRAMEWORK

Surface impacts from unauthorized releases of crude oil, gases, produced water, condensate or other oil field waste which occur during normal oilfield operations are generally regulated by the New Mexico Oil Conservation Division (NMOCD) in accordance with 19.15.29 of the New Mexico Administrative Code (NMAC). 19.15.29 NMAC establishes reporting, site assessment/characterization, remediation, closure, variance and enforcement procedures. Table I of 19.15.29.12 NMAC determines the closure criteria for soils impacted by a release based on the depth to groundwater and the following site characteristics:

Site Characteristics		
Approximate Depth to Groundwater	< 50'	
Within 300 ft. of any continuously flowing or significant watercourse?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within 200 ft. of any lakebed, sinkhole, or playa lake?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within 300 ft. of an occupied permanent residence, school, hospital, or institution?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within 500 ft. of a spring or private, domestic fresh water well?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within 1,000 ft. of any fresh water well?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within the incorporated municipal boundaries or within a municipal well field?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within 300 ft. of a wetland?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within the area overlying a subsurface mine?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within an unstable area?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Within a 100-year floodplain?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

A search of a groundwater database maintained by The New Mexico Office of the State Engineer (NMOSE) was conducted to determine the average depth to groundwater within a one (1) Mile radius of the Release Site and identify any registered water wells within a 1/2 Mile of the Release Site. If none were identified, the approximate depth to groundwater was extrapolated from a Depth to Groundwater Map utilized by the NMOCD. Depth to groundwater information is provided as Attachment #4.

Based on the approximate depth to groundwater and site characteristics, the NMOCD Closure Criteria are as follows:

Table I Closure Criteria for Soils Impacted by a Release			
Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/l TDS	Constituent	Method*	Limit**
< 50 feet	Chloride***	EPA 300.0 or SM 4500 Cl B	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

## SITE ASSESSMENT SUMMARY

Between December 4, 2023 to January 18, 2024, J & H personnel conducted site assessment activities. Ten (10) hand-augered soil bores were installed at the site in an effort to determine the vertical extent of soil impacts. Soil samples were collected at regular intervals and field tested for chlorides and volatile organic compounds (VOC's). Representative samples from each soil bore were submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX concentrations. Laboratory analytical results indicated chloride concentrations were below the NMOCD Closure Criteria in all of the analyzed soil samples with the exception of SB-2 @ 15' and SB-2 @ 20', which exhibited concentrations of 960 and 800 mg/kg, respectively. Analytical results indicated TPH concentrations ranged from 9,104 mg/kg in SB-4 @ 10' to <10.0 mg/kg in SB-4 @ 25'. Analytical results indicated BTEX Concentrations ranged from 216 mg/kg in SB-4 @ 10' to <0.300 mg/kg in SB-2 @ 15'. Four (4) horizontal grab soil samples were collected from every cardinal direction to exhibit the horizontal extent of impacts had been delineated. A Site & Sample Location Map is provided as Attachment #2. A table summarizing laboratory analytical results from soil samples collected during the site assessment is provided below. Field Data, if applicable, is provided as Attachment #5. Laboratory analytical reports are provided as Attachment #6.

Concentrations of BTEX, TPH and/or Chloride in Soil											
Sample ID	Date	Depth	Soil Status	SW-846 8021B		TPH 8015M					SM 4500 Cl B
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	MRO C <sub>28</sub> -C <sub>35</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>35</sub> (mg/kg)	Chloride (mg/kg)
1VS	12/4/2023	0-6"	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	15,200
1V1	12/4/2023	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
2VS	12/4/2023	0-6"	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	10,000
2V1	12/4/2023	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
3VS	12/4/2023	0-6"	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8,800
3V2	12/4/2023	2'	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96
4VS	12/4/2023	0-6"	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,920
4V1	12/4/2023	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
5VS	12/4/2023	0-6"	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	15,200
5V4	12/4/2023	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
6VS	12/4/2023	0-6"	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8,800
6V1	12/4/2023	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
7VS	12/4/2023	0-6"	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,660
7V1	12/4/2023	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	640.0
7V2	1/18/2024	2'	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192.0
8VS	12/4/2023	0-6"	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,200
8V1	12/4/2023	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
9VS	12/4/2023	0-6"	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,400
9V1	12/4/2023	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	560
10VS	12/4/2023	0-6"	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,240
10V1	12/4/2023	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	832
10V2	12/4/2023	2'	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
NH	12/4/2023	0-6"	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
EH	12/4/2023	0-6"	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
SH	12/4/2023	0-6"	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
WH	12/4/2023	0-6"	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96
Closure Criteria				-	-	-	-	-	-	1,000	600

NA = Not Analyzed for Constituent

**Bold** denotes concentrations above closure criteria.

## REMEDIATION PLAN

Based on laboratory analytical results, site characteristics, and field observations made during the site assessment, J & H proposes the following remediation activities designed to advance the Release Site toward an approved closure:

- Utilizing mechanical equipment, excavate impacted soil within the release margins in the areas characterized by sample points 1V, 2V, 4V, 6V, 8V and 9V to a depth of one (1) ft. bgs, or until laboratory analytical results from confirmation soil samples indicate concentrations are below the Closure Criteria. A Proposed Excavation Map is provided as Attachment #3.
- Excavate impacted soil within the release margins in the areas characterized by sample points 3V, 7V, and 10V to a depth of two (2) ft. bgs, or until laboratory analytical results from confirmation soil samples indicate concentrations are below the Closure Criteria.
- Excavate impacted soil within the release margins in the area characterized by sample point 5V to a depth of four (4) ft. bgs, or until laboratory analytical results from confirmation soil samples indicate concentrations are below the Closure Criteria.
- Excavated soil will be temporarily stockpiled on-site, atop a poly liner, pending transportation to a NMOCD-approved disposal facility.
- Upon receiving favorable laboratory analytical results from confirmation soil samples (below the NMOCD Closure Criteria) excavated areas will be backfilled with locally sourced, non-impacted "like" material, at or near original relative positions. The affected area will be contoured and/or compacted to achieve erosion control, stability and preservation of surface water flow to the maximum extent practicable.

## SAMPLING PLAN

Upon completion of remediation activities, Blackbuck requests the collection of representative five-point composite confirmation soil samples representing no more than four hundred (400) square feet from the base and sidewalls of the excavated areas. Discrete samples will also be collected from wet and/or visibly stained areas, as necessary. Blackbuck believes that a relaxation of sampling frequency is permissible given the size and nature of the release, the lack of variability in surface topography, and the relatively shallow depth of contaminant intrusion (i.e., an average of approximately 1-2 feet below ground surface).

## TIMELINE AND ESTIMATED VOLUME OF SOIL TO BE REMEDIATED

Remediation activities are expected to be completed within 90 days of receiving necessary approval(s) of this *Site Assessment Summary and Proposed Remediation Plan*. Based on laboratory analytical results, site characteristics and field observations made during the initial site assessment it is estimated approximately 7,400 cubic yards of soil has been affected above the NMOCD Closure Criteria.

## RESTORATION, RECLAMATION AND RE-VEGETATION

Areas affected by the Release and associated remediation activities will be substantially restored to the condition which existed prior to the release to the maximum extent practicable. Excavated areas will be backfilled with locally sourced, non-impacted "like" material placed at or near original relative positions. The affected area will be contoured and/or compacted to achieve erosion control, stability and preservation of surface water flow to the extent practicable. Final restoration, reclamation and re-vegetation will be conducted in accordance with 19.15.29.13 NMAC.

If you have any questions, or if additional information is required, please feel free to contact the undersigned by phone or email.

Respectfully,



Zach Conder  
Environmental Manager  
J & H Services, Inc.  
(575) 640-6786  
zach@jhservicesinc.com

<b>Attachments:</b>	Attachment #1-	Figure 1 - Topographic Map
	Attachment #2-	Figure 2 - Site & Sample Location Map
	Attachment #3-	Figure 3 - Proposed Excavation Map
	Attachment #4-	Depth to Groundwater Information
	Attachment #5-	Field Data (If Applicable)
	Attachment #6-	Laboratory Analytical Reports
	Attachment #7-	General Site Photographs



Topographic Map  
Turning Point Riser  
nAPP2332626767  
32.113204°, -104.272853°

**Legend**

● Site Location

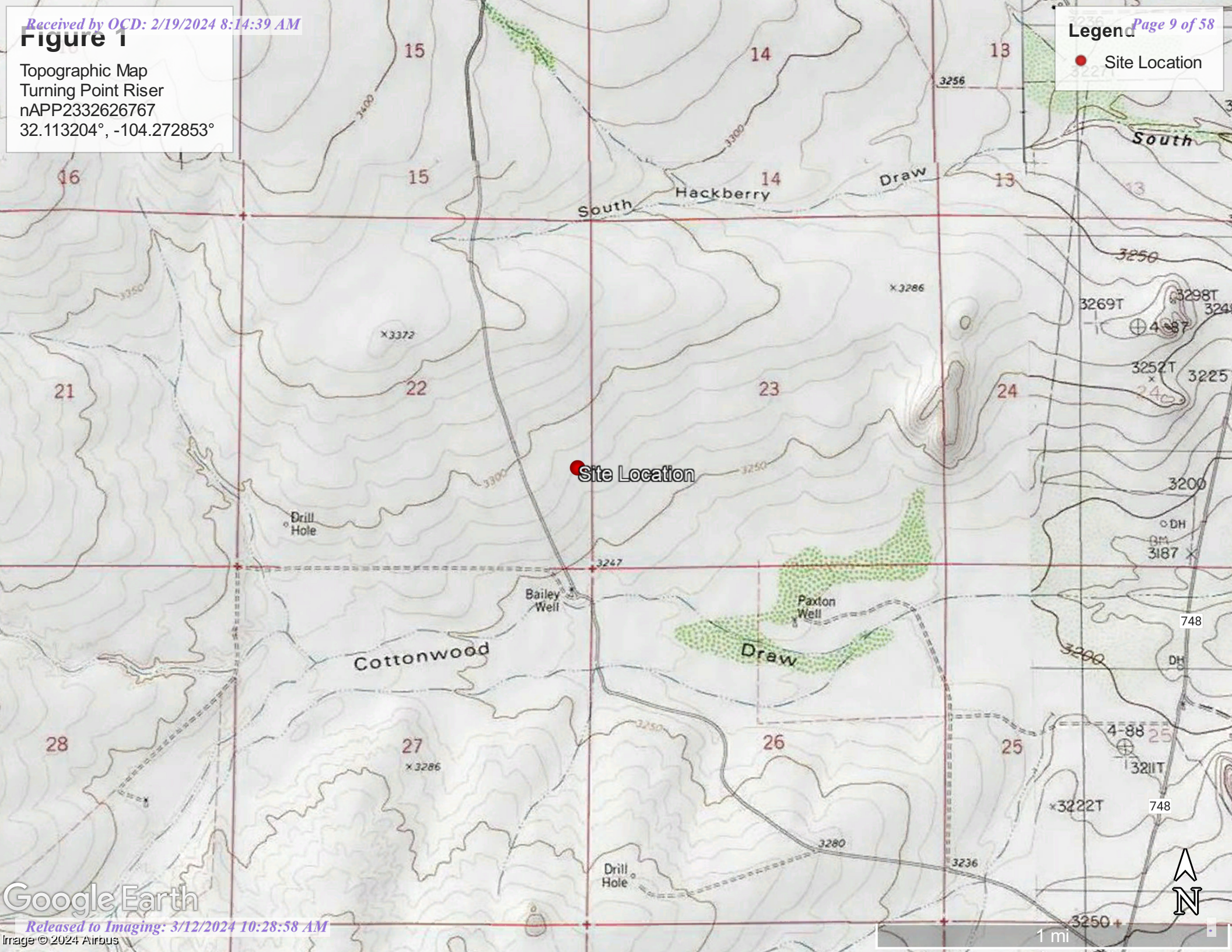


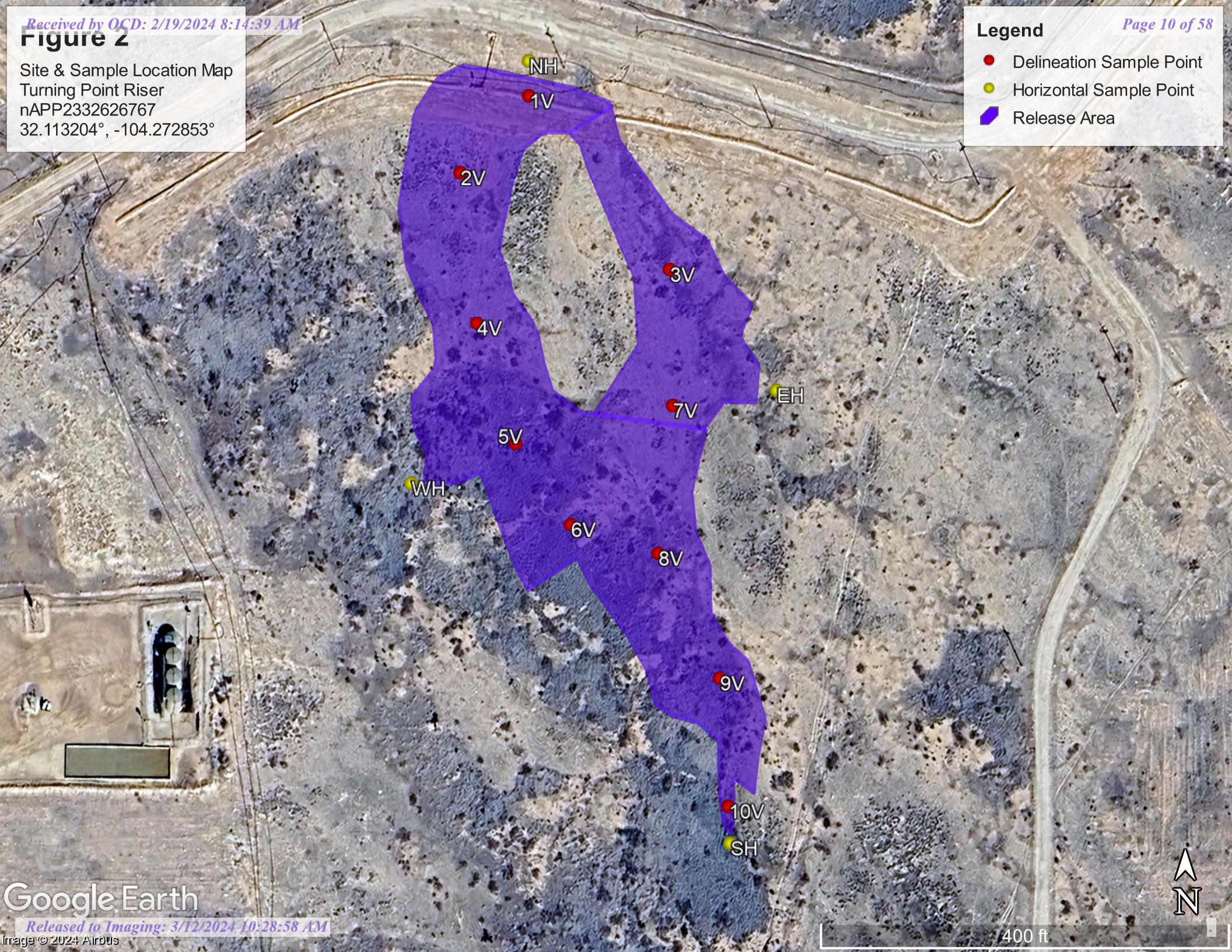


Figure 2

Site & Sample Location Map  
Turning Point Riser  
nAPP2332626767  
32.113204°, -104.272853°

**Legend**

- Delineation Sample Point
- Horizontal Sample Point
- Release Area



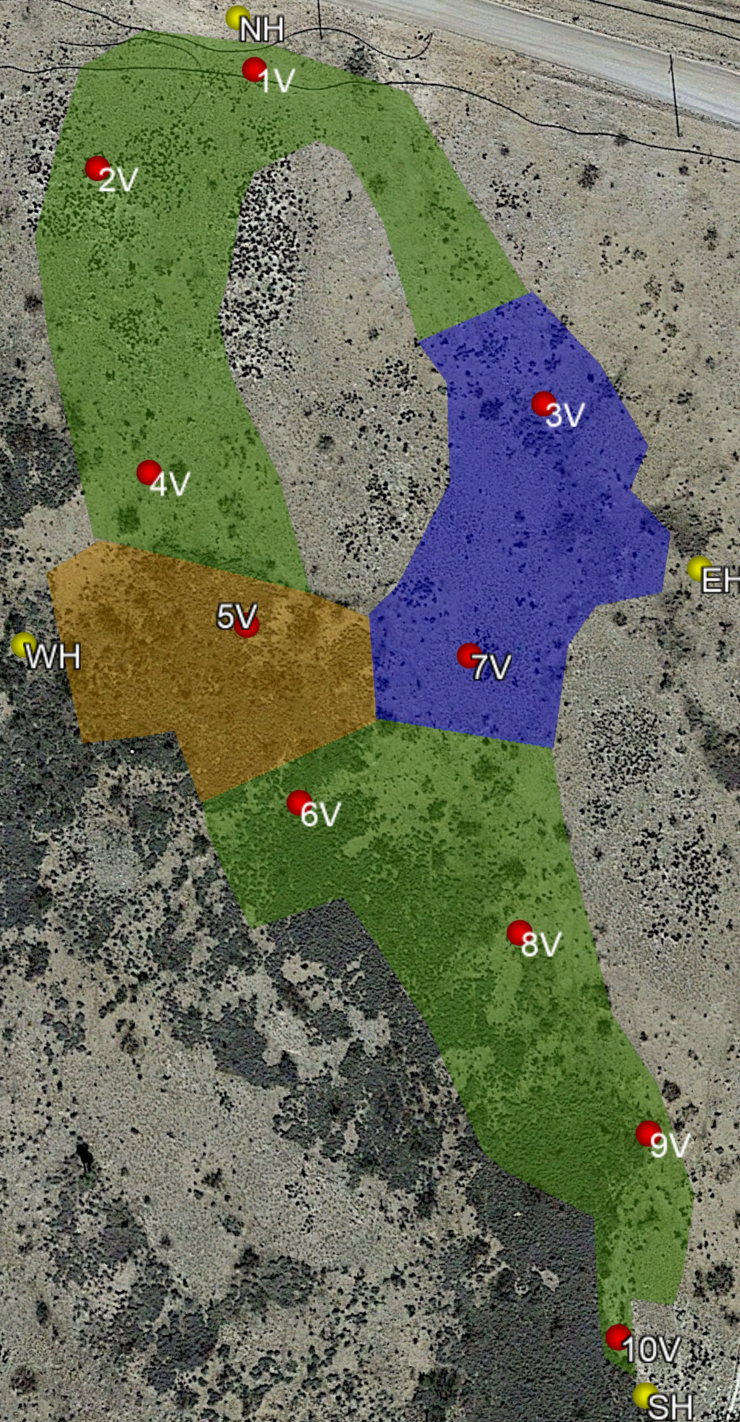


# Turning Point Riser

Proposed Excavation Map

## Legend

- 2' bgs (25,797 sq ft)
- 4' bgs (17,224 sq ft)
- 1' bgs (79,345 sq ft)
- Horizontal Sample Point
- Vertical Sample Point





# OSE POD Location Map



2/6/2024, 10:55:34 AM

GIS WATERS PODs

- Active

● Pending

● Plugged

●

OSE District Boundary

Water Right Regulations

Artesian Planning Area

New Mexico State Trust Lands

Subsurface Estate

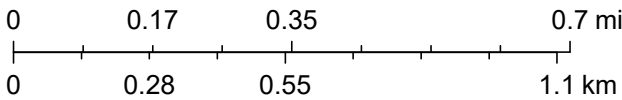
Both Estates

NHD Flowlines

Artificial Path

Stream River

1:18,056



Esri, HERE, iPC, Esri, HERE, Garmin, iPC, Maxar






# New Mexico Office of the State Engineer

## Point of Diversion Summary

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

(NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
222B5	C 04329 POD1	2	2	2	27	25S	26E	568577	3552567 

x

Driller License: 1348

Driller Company: TAYLOR WATER WELL SERVICE

Driller Name: CLINTON E TAYLOR

Drill Start Date: 06/07/2019

Drill Finish Date: 06/08/2019

Plug Date:

Log File Date: 06/17/2019

PCW Rcv Date:

Source: Shallow

Pump Type:

Pipe Discharge Size:

Estimated Yield: 100 GPM

Casing Size: 4.50

Depth Well: 57 feet

Depth Water: 14 feet

x

Water Bearing Stratifications:	Top	Bottom	Description
	14	24	Other/Unknown
	24	57	Other/Unknown

x

Casing Perforations:	Top	Bottom
	20	57

x

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

2/6/24 10:06 AM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Water Right Summary



[get image list](#)

WR File Number:

C 03655

Subbasin:

CUB

Cross Reference:

-

Primary Purpose:

GEO

GEOTHERMAL BOREHOLES

Primary Status:

PMT

PERMIT

Total Acres:

Subfile:

-

Header:

-

Total Diversion:

0

Cause/Case:

-

Agent:

ATKINS ENGR ASSOC INC

Contact:

JUSTIN NOLES

Owner:

CIMAREX ENERGY

Contact:

DAVID G. BOYER

x

Documents on File

Trn #	Doc	File/Act	Status			Transaction Desc.	From/		Acres	Diversion	Consumptive
			1	2			To				
	<a href="#">529716</a>	<a href="#">EXPL</a>	<a href="#">2013-06-28</a>	PMT	LOG	C 03655	T		0	0	

x

Current Points of Diversion

POD Number	Well Tag	Source	Q				(NAD83 UTM in meters)				Other Location Desc
			64	Q16	Q4	Sec	Tws	Rng	X	Y	
<a href="#">C 03655 POD1</a>		Shallow		4	22	25S	26E		550692	3561324	BH-1
<a href="#">C 03655 POD2</a>		Shallow		4	22	25S	26E		550732	3561337	BH-2
<a href="#">C 03655 POD3</a>		Shallow	1	4	4	22	25S	26E	568458	3553019	BH-3
<a href="#">C 03655 POD4</a>		Shallow		4	22	25S	26E		550684	3561362	BH-4

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

2/6/24 10:06 AM

WATER RIGHT SUMMARY

## FIELD DATA

	1V		2V		3V		4V		5V		6V		7V		8V		9V		10V	
	Cl-	Odor	Cl-	Odor	Cl-	Odor	Cl-	Odor	Cl-	Odor	Cl-	Odor	Cl-	Odor	Cl-	Odor	Cl-	Odor	Cl-	Odor
S	>2512	None	>2512	None	>2512	None	>2512	None	>2512	None	>2512	None	>2512	None	>2512	None	>2512	None	2400	None
1'	480	None	140	None	768	None	356	None	>2512	None	192	None	592	None	356	None	280	None	592	None
2'	192	None	192	None	192	None			>2512	None			592	None						
3'																				
4'									352	None										



- Delineation Complete

- Delineation Incomplete/Resistance



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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December 12, 2023

MIGUEL RAMIREZ

J & H SERVICES

6616 GULTON CT. E SUITE 90

ALBUQUERQUE, NM 87107

RE: TURNING POINT RISER

Enclosed are the results of analyses for samples received by the laboratory on 12/07/23 12:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

J & H SERVICES  
 MIGUEL RAMIREZ  
 6616 GULTON CT. E SUITE 90  
 ALBUQUERQUE NM, 87107  
 Fax To:

Received: 12/07/2023  
 Reported: 12/12/2023  
 Project Name: TURNING POINT RISER  
 Project Number: NONE GIVEN  
 Project Location: BLACKBUCK-EDDY CO., NM

Sampling Date: 12/04/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 1 V 5 (H236576-01)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2023	ND	1.99	99.6	2.00	11.1	
Toluene*	<0.050	0.050	12/08/2023	ND	2.10	105	2.00	11.7	
Ethylbenzene*	<0.050	0.050	12/08/2023	ND	2.12	106	2.00	11.3	
Total Xylenes*	<0.150	0.150	12/08/2023	ND	6.45	107	6.00	11.4	
Total BTEX	<0.300	0.300	12/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	15200	16.0	12/08/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2023	ND	196	98.1	200	0.495	
DRO >C10-C28*	<10.0	10.0	12/08/2023	ND	182	91.2	200	0.576	
EXT DRO >C28-C36	<10.0	10.0	12/08/2023	ND					

Surrogate: 1-Chlorooctane 71.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 65.1 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

J & H SERVICES  
 MIGUEL RAMIREZ  
 6616 GULTON CT. E SUITE 90  
 ALBUQUERQUE NM, 87107  
 Fax To:

Received: 12/07/2023  
 Reported: 12/12/2023  
 Project Name: TURNING POINT RISER  
 Project Number: NONE GIVEN  
 Project Location: BLACKBUCK-EDDY CO., NM

Sampling Date: 12/04/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 1 V 1 (H236576-02)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2023	ND	1.99	99.6	2.00	11.1	
Toluene*	<0.050	0.050	12/08/2023	ND	2.10	105	2.00	11.7	
Ethylbenzene*	<0.050	0.050	12/08/2023	ND	2.12	106	2.00	11.3	
Total Xylenes*	<0.150	0.150	12/08/2023	ND	6.45	107	6.00	11.4	
Total BTX	<0.300	0.300	12/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	12/08/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/11/2023	ND	196	98.1	200	0.495	
DRO >C10-C28*	<10.0	10.0	12/11/2023	ND	182	91.2	200	0.576	
EXT DRO >C28-C36	<10.0	10.0	12/11/2023	ND					

Surrogate: 1-Chlorooctane 123 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

J & H SERVICES  
 MIGUEL RAMIREZ  
 6616 GULTON CT. E SUITE 90  
 ALBUQUERQUE NM, 87107  
 Fax To:

Received: 12/07/2023  
 Reported: 12/12/2023  
 Project Name: TURNING POINT RISER  
 Project Number: NONE GIVEN  
 Project Location: BLACKBUCK-EDDY CO., NM

Sampling Date: 12/04/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 2 V 5 (H236576-03)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2023	ND	1.99	99.6	2.00	11.1	
Toluene*	<0.050	0.050	12/08/2023	ND	2.10	105	2.00	11.7	
Ethylbenzene*	<0.050	0.050	12/08/2023	ND	2.12	106	2.00	11.3	
Total Xylenes*	<0.150	0.150	12/08/2023	ND	6.45	107	6.00	11.4	
Total BTEX	<0.300	0.300	12/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10000	16.0	12/08/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/11/2023	ND	196	98.1	200	0.495	
DRO >C10-C28*	<10.0	10.0	12/11/2023	ND	182	91.2	200	0.576	
EXT DRO >C28-C36	<10.0	10.0	12/11/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

J & H SERVICES  
 MIGUEL RAMIREZ  
 6616 GULTON CT. E SUITE 90  
 ALBUQUERQUE NM, 87107  
 Fax To:

Received: 12/07/2023  
 Reported: 12/12/2023  
 Project Name: TURNING POINT RISER  
 Project Number: NONE GIVEN  
 Project Location: BLACKBUCK-EDDY CO., NM

Sampling Date: 12/04/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 2 V 1 (H236576-04)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/08/2023	ND	1.99	99.6	2.00	11.1		
Toluene*	<0.050	0.050	12/08/2023	ND	2.10	105	2.00	11.7		
Ethylbenzene*	<0.050	0.050	12/08/2023	ND	2.12	106	2.00	11.3		
Total Xylenes*	<0.150	0.150	12/08/2023	ND	6.45	107	6.00	11.4		
Total BTEX	<0.300	0.300	12/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	12/08/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2023	ND	196	98.1	200	0.495	
DRO >C10-C28*	<10.0	10.0	12/08/2023	ND	182	91.2	200	0.576	
EXT DRO >C28-C36	<10.0	10.0	12/08/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

J & H SERVICES  
 MIGUEL RAMIREZ  
 6616 GULTON CT. E SUITE 90  
 ALBUQUERQUE NM, 87107  
 Fax To:

Received: 12/07/2023  
 Reported: 12/12/2023  
 Project Name: TURNING POINT RISER  
 Project Number: NONE GIVEN  
 Project Location: BLACKBUCK-EDDY CO., NM

Sampling Date: 12/04/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 3 V 5 (H236576-05)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2023	ND	1.99	99.6	2.00	11.1	
Toluene*	<0.050	0.050	12/08/2023	ND	2.10	105	2.00	11.7	
Ethylbenzene*	<0.050	0.050	12/08/2023	ND	2.12	106	2.00	11.3	
Total Xylenes*	<0.150	0.150	12/08/2023	ND	6.45	107	6.00	11.4	
Total BTEX	<0.300	0.300	12/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8800	16.0	12/08/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2023	ND	207	104	200	4.08	
DRO >C10-C28*	<10.0	10.0	12/08/2023	ND	216	108	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	12/08/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

J & H SERVICES  
 MIGUEL RAMIREZ  
 6616 GULTON CT. E SUITE 90  
 ALBUQUERQUE NM, 87107  
 Fax To:

Received: 12/07/2023  
 Reported: 12/12/2023  
 Project Name: TURNING POINT RISER  
 Project Number: NONE GIVEN  
 Project Location: BLACKBUCK-EDDY CO., NM

Sampling Date: 12/04/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 3 V 2 (H236576-06)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2023	ND	1.99	99.6	2.00	11.1	
Toluene*	<0.050	0.050	12/08/2023	ND	2.10	105	2.00	11.7	
Ethylbenzene*	<0.050	0.050	12/08/2023	ND	2.12	106	2.00	11.3	
Total Xylenes*	<0.150	0.150	12/08/2023	ND	6.45	107	6.00	11.4	
Total BTEX	<0.300	0.300	12/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	12/08/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2023	ND	207	104	200	4.08	
DRO >C10-C28*	<10.0	10.0	12/08/2023	ND	216	108	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	12/08/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

J & H SERVICES  
 MIGUEL RAMIREZ  
 6616 GULTON CT. E SUITE 90  
 ALBUQUERQUE NM, 87107  
 Fax To:

Received: 12/07/2023  
 Reported: 12/12/2023  
 Project Name: TURNING POINT RISER  
 Project Number: NONE GIVEN  
 Project Location: BLACKBUCK-EDDY CO., NM

Sampling Date: 12/04/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 4 V 5 (H236576-07)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/08/2023	ND	1.99	99.6	2.00	11.1		
Toluene*	<0.050	0.050	12/08/2023	ND	2.10	105	2.00	11.7		
Ethylbenzene*	<0.050	0.050	12/08/2023	ND	2.12	106	2.00	11.3		
Total Xylenes*	<0.150	0.150	12/08/2023	ND	6.45	107	6.00	11.4		
Total BTEX	<0.300	0.300	12/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7920	16.0	12/08/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2023	ND	207	104	200	4.08	
DRO >C10-C28*	<10.0	10.0	12/08/2023	ND	216	108	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	12/08/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

J & H SERVICES  
MIGUEL RAMIREZ  
6616 GULTON CT. E SUITE 90  
ALBUQUERQUE NM, 87107  
Fax To:

Received: 12/07/2023  
Reported: 12/12/2023  
Project Name: TURNING POINT RISER  
Project Number: NONE GIVEN  
Project Location: BLACKBUCK-EDDY CO., NM

Sampling Date: 12/04/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: 4 V 1 (H236576-08)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/08/2023	ND	1.99	99.6	2.00	11.1		
Toluene*	<0.050	0.050	12/08/2023	ND	2.10	105	2.00	11.7		
Ethylbenzene*	<0.050	0.050	12/08/2023	ND	2.12	106	2.00	11.3		
Total Xylenes*	<0.150	0.150	12/08/2023	ND	6.45	107	6.00	11.4		
Total BTEx	<0.300	0.300	12/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	12/08/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2023	ND	207	104	200	4.08	
DRO >C10-C28*	<10.0	10.0	12/08/2023	ND	216	108	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	12/08/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

J & H SERVICES  
 MIGUEL RAMIREZ  
 6616 GULTON CT. E SUITE 90  
 ALBUQUERQUE NM, 87107  
 Fax To:

Received: 12/07/2023  
 Reported: 12/12/2023  
 Project Name: TURNING POINT RISER  
 Project Number: NONE GIVEN  
 Project Location: BLACKBUCK-EDDY CO., NM

Sampling Date: 12/04/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 5 V 5 (H236576-09)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/08/2023	ND	1.99	99.6	2.00	11.1		
Toluene*	<0.050	0.050	12/08/2023	ND	2.10	105	2.00	11.7		
Ethylbenzene*	<0.050	0.050	12/08/2023	ND	2.12	106	2.00	11.3		
Total Xylenes*	<0.150	0.150	12/08/2023	ND	6.45	107	6.00	11.4		
Total BTEX	<0.300	0.300	12/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	15200	16.0	12/08/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2023	ND	207	104	200	4.08	
DRO >C10-C28*	<10.0	10.0	12/08/2023	ND	216	108	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	12/08/2023	ND					

Surrogate: 1-Chlorooctane 128 % 48.2-134

Surrogate: 1-Chlorooctadecane 144 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

J & H SERVICES  
 MIGUEL RAMIREZ  
 6616 GULTON CT. E SUITE 90  
 ALBUQUERQUE NM, 87107  
 Fax To:

Received: 12/07/2023  
 Reported: 12/12/2023  
 Project Name: TURNING POINT RISER  
 Project Number: NONE GIVEN  
 Project Location: BLACKBUCK-EDDY CO., NM

Sampling Date: 12/04/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 5 V 4 (H236576-10)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/08/2023	ND	1.99	99.6	2.00	11.1		
Toluene*	<0.050	0.050	12/08/2023	ND	2.10	105	2.00	11.7		
Ethylbenzene*	<0.050	0.050	12/08/2023	ND	2.12	106	2.00	11.3		
Total Xylenes*	<0.150	0.150	12/08/2023	ND	6.45	107	6.00	11.4		
Total BTEX	<0.300	0.300	12/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	12/08/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/11/2023	ND	207	104	200	4.08	
DRO >C10-C28*	<10.0	10.0	12/11/2023	ND	216	108	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	12/11/2023	ND					

Surrogate: 1-Chlorooctane 126 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

J & H SERVICES  
 MIGUEL RAMIREZ  
 6616 GULTON CT. E SUITE 90  
 ALBUQUERQUE NM, 87107  
 Fax To:

Received: 12/07/2023  
 Reported: 12/12/2023  
 Project Name: TURNING POINT RISER  
 Project Number: NONE GIVEN  
 Project Location: BLACKBUCK-EDDY CO., NM

Sampling Date: 12/04/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 6 V 5 (H236576-11)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2023	ND	1.99	99.6	2.00	11.1	
Toluene*	<0.050	0.050	12/08/2023	ND	2.10	105	2.00	11.7	
Ethylbenzene*	<0.050	0.050	12/08/2023	ND	2.12	106	2.00	11.3	
Total Xylenes*	<0.150	0.150	12/08/2023	ND	6.45	107	6.00	11.4	
Total BTEX	<0.300	0.300	12/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8880	16.0	12/08/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2023	ND	207	104	200	4.08	
DRO >C10-C28*	<10.0	10.0	12/08/2023	ND	216	108	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	12/08/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

J & H SERVICES  
 MIGUEL RAMIREZ  
 6616 GULTON CT. E SUITE 90  
 ALBUQUERQUE NM, 87107  
 Fax To:

Received: 12/07/2023  
 Reported: 12/12/2023  
 Project Name: TURNING POINT RISER  
 Project Number: NONE GIVEN  
 Project Location: BLACKBUCK-EDDY CO., NM

Sampling Date: 12/04/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 6 V 1 (H236576-12)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2023	ND	1.99	99.6	2.00	11.1	
Toluene*	<0.050	0.050	12/08/2023	ND	2.10	105	2.00	11.7	
Ethylbenzene*	<0.050	0.050	12/08/2023	ND	2.12	106	2.00	11.3	
Total Xylenes*	<0.150	0.150	12/08/2023	ND	6.45	107	6.00	11.4	
Total BTX	<0.300	0.300	12/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	12/08/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/11/2023	ND	207	104	200	4.08	
DRO >C10-C28*	<10.0	10.0	12/11/2023	ND	216	108	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	12/11/2023	ND					

Surrogate: 1-Chlorooctane 74.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

J & H SERVICES  
 MIGUEL RAMIREZ  
 6616 GULTON CT. E SUITE 90  
 ALBUQUERQUE NM, 87107  
 Fax To:

Received: 12/07/2023  
 Reported: 12/12/2023  
 Project Name: TURNING POINT RISER  
 Project Number: NONE GIVEN  
 Project Location: BLACKBUCK-EDDY CO., NM

Sampling Date: 12/04/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 7 V 5 (H236576-13)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/08/2023	ND	1.99	99.6	2.00	11.1		
Toluene*	<0.050	0.050	12/08/2023	ND	2.10	105	2.00	11.7		
Ethylbenzene*	<0.050	0.050	12/08/2023	ND	2.12	106	2.00	11.3		
Total Xylenes*	<0.150	0.150	12/08/2023	ND	6.45	107	6.00	11.4		
Total BTEX	<0.300	0.300	12/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6660	16.0	12/08/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/11/2023	ND	207	104	200	4.08	
DRO >C10-C28*	<10.0	10.0	12/11/2023	ND	216	108	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	12/11/2023	ND					

Surrogate: 1-Chlorooctane 99.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

J & H SERVICES  
 MIGUEL RAMIREZ  
 6616 GULTON CT. E SUITE 90  
 ALBUQUERQUE NM, 87107  
 Fax To:

Received: 12/07/2023  
 Reported: 12/12/2023  
 Project Name: TURNING POINT RISER  
 Project Number: NONE GIVEN  
 Project Location: BLACKBUCK-EDDY CO., NM

Sampling Date: 12/04/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 7 V 1 (H236576-14)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2023	ND	1.99	99.6	2.00	11.1	
Toluene*	<0.050	0.050	12/08/2023	ND	2.10	105	2.00	11.7	
Ethylbenzene*	<0.050	0.050	12/08/2023	ND	2.12	106	2.00	11.3	
Total Xylenes*	<0.150	0.150	12/08/2023	ND	6.45	107	6.00	11.4	
Total BTEX	<0.300	0.300	12/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	12/08/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2023	ND	207	104	200	4.08	
DRO >C10-C28*	<10.0	10.0	12/08/2023	ND	216	108	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	12/08/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

J & H SERVICES  
 MIGUEL RAMIREZ  
 6616 GULTON CT. E SUITE 90  
 ALBUQUERQUE NM, 87107  
 Fax To:

Received: 12/07/2023  
 Reported: 12/12/2023  
 Project Name: TURNING POINT RISER  
 Project Number: NONE GIVEN  
 Project Location: BLACKBUCK-EDDY CO., NM

Sampling Date: 12/04/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 8 V 5 (H236576-15)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2023	ND	1.99	99.6	2.00	11.1	
Toluene*	<0.050	0.050	12/08/2023	ND	2.10	105	2.00	11.7	
Ethylbenzene*	<0.050	0.050	12/08/2023	ND	2.12	106	2.00	11.3	
Total Xylenes*	<0.150	0.150	12/08/2023	ND	6.45	107	6.00	11.4	
Total BTEX	<0.300	0.300	12/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7200	16.0	12/08/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2023	ND	207	104	200	4.08	
DRO >C10-C28*	<10.0	10.0	12/08/2023	ND	216	108	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	12/08/2023	ND					

Surrogate: 1-Chlorooctane 85.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

J & H SERVICES  
 MIGUEL RAMIREZ  
 6616 GULTON CT. E SUITE 90  
 ALBUQUERQUE NM, 87107  
 Fax To:

Received: 12/07/2023  
 Reported: 12/12/2023  
 Project Name: TURNING POINT RISER  
 Project Number: NONE GIVEN  
 Project Location: BLACKBUCK-EDDY CO., NM

Sampling Date: 12/04/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 8 V 1 (H236576-16)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/08/2023	ND	1.99	99.6	2.00	11.1		
Toluene*	<0.050	0.050	12/08/2023	ND	2.10	105	2.00	11.7		
Ethylbenzene*	<0.050	0.050	12/08/2023	ND	2.12	106	2.00	11.3		
Total Xylenes*	<0.150	0.150	12/08/2023	ND	6.45	107	6.00	11.4		
Total BTEX	<0.300	0.300	12/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	12/08/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2023	ND	207	104	200	4.08	
DRO >C10-C28*	<10.0	10.0	12/08/2023	ND	216	108	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	12/08/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

J & H SERVICES  
 MIGUEL RAMIREZ  
 6616 GULTON CT. E SUITE 90  
 ALBUQUERQUE NM, 87107  
 Fax To:

Received: 12/07/2023  
 Reported: 12/12/2023  
 Project Name: TURNING POINT RISER  
 Project Number: NONE GIVEN  
 Project Location: BLACKBUCK-EDDY CO., NM

Sampling Date: 12/04/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 9 V 5 (H236576-17)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2023	ND	1.99	99.6	2.00	11.1	
Toluene*	<0.050	0.050	12/08/2023	ND	2.10	105	2.00	11.7	
Ethylbenzene*	<0.050	0.050	12/08/2023	ND	2.12	106	2.00	11.3	
Total Xylenes*	<0.150	0.150	12/08/2023	ND	6.45	107	6.00	11.4	
Total BTEX	<0.300	0.300	12/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6400	16.0	12/08/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2023	ND	207	104	200	4.08	
DRO >C10-C28*	<10.0	10.0	12/08/2023	ND	216	108	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	12/08/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

J & H SERVICES  
 MIGUEL RAMIREZ  
 6616 GULTON CT. E SUITE 90  
 ALBUQUERQUE NM, 87107  
 Fax To:

Received: 12/07/2023  
 Reported: 12/12/2023  
 Project Name: TURNING POINT RISER  
 Project Number: NONE GIVEN  
 Project Location: BLACKBUCK-EDDY CO., NM

Sampling Date: 12/04/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 9 V 1 (H236576-18)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2023	ND	1.99	99.6	2.00	11.1	
Toluene*	<0.050	0.050	12/08/2023	ND	2.10	105	2.00	11.7	
Ethylbenzene*	<0.050	0.050	12/08/2023	ND	2.12	106	2.00	11.3	
Total Xylenes*	<0.150	0.150	12/08/2023	ND	6.45	107	6.00	11.4	
Total BTX	<0.300	0.300	12/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	12/08/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2023	ND	207	104	200	4.08	
DRO >C10-C28*	<10.0	10.0	12/08/2023	ND	216	108	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	12/08/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

J & H SERVICES  
MIGUEL RAMIREZ  
6616 GULTON CT. E SUITE 90  
ALBUQUERQUE NM, 87107  
Fax To:

Received: 12/07/2023  
Reported: 12/12/2023  
Project Name: TURNING POINT RISER  
Project Number: NONE GIVEN  
Project Location: BLACKBUCK-EDDY CO., NM

Sampling Date: 12/04/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: 10 V 5 (H236576-19)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/08/2023	ND	2.21	111	2.00	0.401		
Toluene*	<0.050	0.050	12/08/2023	ND	2.19	109	2.00	0.617		
Ethylbenzene*	<0.050	0.050	12/08/2023	ND	2.16	108	2.00	0.340		
Total Xylenes*	<0.150	0.150	12/08/2023	ND	6.86	114	6.00	0.345		
Total BTEX	<0.300	0.300	12/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4240	16.0	12/08/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2023	ND	207	104	200	4.08	
DRO >C10-C28*	<10.0	10.0	12/08/2023	ND	216	108	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	12/08/2023	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 133 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

J & H SERVICES  
 MIGUEL RAMIREZ  
 6616 GULTON CT. E SUITE 90  
 ALBUQUERQUE NM, 87107  
 Fax To:

Received: 12/07/2023  
 Reported: 12/12/2023  
 Project Name: TURNING POINT RISER  
 Project Number: NONE GIVEN  
 Project Location: BLACKBUCK-EDDY CO., NM

Sampling Date: 12/04/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 10 V 1 (H236576-20)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/08/2023	ND	2.21	111	2.00	0.401		
Toluene*	<0.050	0.050	12/08/2023	ND	2.19	109	2.00	0.617		
Ethylbenzene*	<0.050	0.050	12/08/2023	ND	2.16	108	2.00	0.340		
Total Xylenes*	<0.150	0.150	12/08/2023	ND	6.86	114	6.00	0.345		
Total BTEx	<0.300	0.300	12/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	832	16.0	12/08/2023	ND	400	100	400	7.69	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2023	ND	207	104	200	4.08	
DRO >C10-C28*	<10.0	10.0	12/08/2023	ND	216	108	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	12/08/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

J & H SERVICES  
 MIGUEL RAMIREZ  
 6616 GULTON CT. E SUITE 90  
 ALBUQUERQUE NM, 87107  
 Fax To:

Received: 12/07/2023  
 Reported: 12/12/2023  
 Project Name: TURNING POINT RISER  
 Project Number: NONE GIVEN  
 Project Location: BLACKBUCK-EDDY CO., NM

Sampling Date: 12/04/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 10 V 2 (H236576-21)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2023	ND	2.21	111	2.00	0.401	
Toluene*	<0.050	0.050	12/08/2023	ND	2.19	109	2.00	0.617	
Ethylbenzene*	<0.050	0.050	12/08/2023	ND	2.16	108	2.00	0.340	
Total Xylenes*	<0.150	0.150	12/08/2023	ND	6.86	114	6.00	0.345	
Total BTEX	<0.300	0.300	12/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	12/08/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2023	ND	207	104	200	4.08	
DRO >C10-C28*	<10.0	10.0	12/08/2023	ND	216	108	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	12/08/2023	ND					

Surrogate: 1-Chlorooctane 98.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

J & H SERVICES  
 MIGUEL RAMIREZ  
 6616 GULTON CT. E SUITE 90  
 ALBUQUERQUE NM, 87107  
 Fax To:

Received: 12/07/2023  
 Reported: 12/12/2023  
 Project Name: TURNING POINT RISER  
 Project Number: NONE GIVEN  
 Project Location: BLACKBUCK-EDDY CO., NM

Sampling Date: 12/04/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: NH (H236576-22)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/08/2023	ND	2.21	111	2.00	0.401		
Toluene*	<0.050	0.050	12/08/2023	ND	2.19	109	2.00	0.617		
Ethylbenzene*	<0.050	0.050	12/08/2023	ND	2.16	108	2.00	0.340		
Total Xylenes*	<0.150	0.150	12/08/2023	ND	6.86	114	6.00	0.345		
Total BTEX	<0.300	0.300	12/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	12/08/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2023	ND	207	104	200	4.08	
DRO >C10-C28*	<10.0	10.0	12/08/2023	ND	216	108	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	12/08/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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**Analytical Results For:**

J & H SERVICES  
 MIGUEL RAMIREZ  
 6616 GULTON CT. E SUITE 90  
 ALBUQUERQUE NM, 87107  
 Fax To:

Received: 12/07/2023  
 Reported: 12/12/2023  
 Project Name: TURNING POINT RISER  
 Project Number: NONE GIVEN  
 Project Location: BLACKBUCK-EDDY CO., NM

Sampling Date: 12/04/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: EH (H236576-23)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2023	ND	2.21	111	2.00	0.401	
Toluene*	<0.050	0.050	12/08/2023	ND	2.19	109	2.00	0.617	
Ethylbenzene*	<0.050	0.050	12/08/2023	ND	2.16	108	2.00	0.340	
Total Xylenes*	<0.150	0.150	12/08/2023	ND	6.86	114	6.00	0.345	
Total BTEX	<0.300	0.300	12/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	12/08/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2023	ND	207	104	200	4.08	
DRO >C10-C28*	<10.0	10.0	12/09/2023	ND	216	108	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	12/09/2023	ND					

Surrogate: 1-Chlorooctane 99.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

J & H SERVICES  
 MIGUEL RAMIREZ  
 6616 GULTON CT. E SUITE 90  
 ALBUQUERQUE NM, 87107  
 Fax To:

Received: 12/07/2023  
 Reported: 12/12/2023  
 Project Name: TURNING POINT RISER  
 Project Number: NONE GIVEN  
 Project Location: BLACKBUCK-EDDY CO., NM

Sampling Date: 12/04/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SH (H236576-24)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2023	ND	2.21	111	2.00	0.401	
Toluene*	<0.050	0.050	12/08/2023	ND	2.19	109	2.00	0.617	
Ethylbenzene*	<0.050	0.050	12/08/2023	ND	2.16	108	2.00	0.340	
Total Xylenes*	<0.150	0.150	12/08/2023	ND	6.86	114	6.00	0.345	
Total BTEX	<0.300	0.300	12/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	12/08/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2023	ND	207	104	200	4.08	
DRO >C10-C28*	<10.0	10.0	12/09/2023	ND	216	108	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	12/09/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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**Analytical Results For:**

J & H SERVICES  
 MIGUEL RAMIREZ  
 6616 GULTON CT. E SUITE 90  
 ALBUQUERQUE NM, 87107  
 Fax To:

Received: 12/07/2023  
 Reported: 12/12/2023  
 Project Name: TURNING POINT RISER  
 Project Number: NONE GIVEN  
 Project Location: BLACKBUCK-EDDY CO., NM

Sampling Date: 12/04/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: WH (H236576-25)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/08/2023	ND	2.21	111	2.00	0.401		
Toluene*	<0.050	0.050	12/08/2023	ND	2.19	109	2.00	0.617		
Ethylbenzene*	<0.050	0.050	12/08/2023	ND	2.16	108	2.00	0.340		
Total Xylenes*	<0.150	0.150	12/08/2023	ND	6.86	114	6.00	0.345		
Total BTEX	<0.300	0.300	12/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	12/08/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2023	ND	182	91.2	200	0.765	
DRO >C10-C28*	<10.0	10.0	12/08/2023	ND	183	91.5	200	2.20	
EXT DRO >C28-C36	<10.0	10.0	12/08/2023	ND					

Surrogate: 1-Chlorooctane 90.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.4 % 49.1-148

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Notes and Definitions

- QM-07      The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND      Analyte NOT DETECTED at or above the reporting limit
- RPD      Relative Percent Difference
- \*\*      Samples not received at proper temperature of 6°C or below.
- \*\*\*      Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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\*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager





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 $\frac{1}{3}$ 

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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 $\frac{2}{3}$ 

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> JSH Services <b>Project Manager:</b> Miguel Ramiere <b>Address:</b> 6916 Carlton CT NE STE 9D <b>City:</b> Albuquerque <b>State:</b> NM <b>Zip:</b> 87105 <b>Phone #:</b> 505-318-1135 <b>Fax #:</b> 505-816-9929 <b>Project #:</b> <b>Project Owner:</b> Blackhawk <b>Project Name:</b> Trench Port Risk <b>Project Location:</b> Pinal City Co. NM <b>Sampler Name:</b> Miguel Ramiere		<b>P.O. #:</b> <b>Company:</b> <b>Attn:</b> <b>Address:</b> <b>City:</b> <b>State:</b> NM <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>	
<b>Lab I.D.</b> <b>Sample I.D.</b>		<b>Matrix</b> (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	
FOR LAB USE ONLY		<b>DATE</b> <b>TIME</b>	
11:00 11:15 11:30 11:45 12:00 12:15 12:30 12:45 1:00 1:15		Chloride TPH BTEX 8021	

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**Relinquished By:** *[Signature]* **Date:** 12-7-23 **Received By:** *[Signature]* **Date:** 12-7-23

**Relinquished By:** *[Signature]* **Date:** 12-7-23 **Received By:** *[Signature]* **Date:** 12-7-23

**Delivered By: (Circle One)** *[Signature]* **Sample Condition** *[Signature]* **CHECKED BY:** *[Signature]*

**Sampler - UPS - Bus - Other:** *[Signature]* **Yes** ☒ **No** ☐ **Yes** ☐ **No** ☐ **Yes** ☐ **No** ☐

**REMARKS:** Email results to zach@jhservicesinc.com  
miguell@jhservicesinc.com





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 $\frac{3}{3}$ 

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> JSH Services <b>Project Manager:</b> Miguel Ramirez <b>Address:</b> 6616 Gulton Ct NE, STE 90 <b>City:</b> Alpharetta <b>State:</b> NM <b>Zip:</b> 87149 <b>Phone #:</b> 505-318-1735 <b>Fax #:</b> 505-896-9429 <b>Project #:</b> <b>Project Name:</b> Turning Point Riser <b>Project Location:</b> Rival Fieldy co., NM <b>Sampler Name:</b> Miguel Ramirez <b>FOR LAB USE ONLY</b>		<b>BILL TO</b> <b>P.O. #:</b> <b>Company:</b> <del>JSH</del> <b>Attn:</b> <b>Address:</b> <b>City:</b> <b>State:</b> NM <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>																																																																															
<b>Lab I.D.</b>  <b>Sample I.D.</b>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td rowspan="2" style="width:10%;">(G)RAB OR (C)OMP.</td> <td rowspan="2" style="width:10%;"># CONTAINERS</td> <td colspan="6" style="width:40%;">MATRIX</td> <td rowspan="2" style="width:10%;">PRESERV.</td> <td rowspan="2" style="width:10%;">SAMPLING</td> </tr> <tr> <td>GROUNDWATER</td> <td>WASTEWATER</td> <td>SOIL</td> <td>OIL</td> <td>SLUDGE</td> <td>OTHER :</td> </tr> <tr> <td></td> <td></td> <td>ACID/BASE:</td> <td>ICE / COOL</td> <td>OTHER :</td> <td>DATE</td> <td>TIME</td> <td>Chloride</td> <td>TPH</td> <td>BTEX 8021</td> </tr> </table>	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	TPH	BTEX 8021	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;">21</td> <td style="width:10%;">1002</td> <td style="width:10%;">G1</td> <td style="width:10%;">X</td> <td style="width:10%;">1000</td> <td style="width:10%;">1:30</td> <td style="width:10%;">X</td> <td style="width:10%;">X</td> <td style="width:10%;">X</td> <td style="width:10%;">X</td> </tr> <tr> <td>22</td> <td>NH</td> <td>G1</td> <td>X</td> <td>12/17/15</td> <td>1:45</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td>23</td> <td>EH</td> <td>G1</td> <td>X</td> <td></td> <td>2:00</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td>24</td> <td>SH</td> <td>G1</td> <td>X</td> <td></td> <td>2:15</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td>25</td> <td>WH</td> <td>G1</td> <td>X</td> <td></td> <td>2:30</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> </tr> </table>				21	1002	G1	X	1000	1:30	X	X	X	X	22	NH	G1	X	12/17/15	1:45	X	X	X	X	23	EH	G1	X		2:00	X	X	X	X	24	SH	G1	X		2:15	X	X	X	X	25	WH	G1	X		2:30	X	X	X	X
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<b>Relinquished By:</b> 	<b>Date:</b> 12-1-23 <b>Time:</b> 12:35	<b>Received By:</b> 	<b>Date:</b> 12-1-23 <b>Time:</b> 12:35	<b>Relinquished By:</b> 
-----------------------------	--	-------------------------	--	-----------------------------

**Delivered By: (Circle One)** #140  
**Sampler - UPS - Bus - Other:** 1.4%

<b>Sample Condition</b> Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<b>CHECKED BY:</b> (Initials) <span style="font-size: 2em;">20.</span>	<b>REMARKS:</b> Email results to zach@jhservicesinc.com miguel@jhservicesinc.com
---	---	---



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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January 29, 2024

MIGUEL RAMIREZ

J & H SERVICES

6616 GULTON CT. E SUITE 90

ALBUQUERQUE, NM 87107

RE: TURNING POINT RISER

Enclosed are the results of analyses for samples received by the laboratory on 01/24/24 12:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



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**Analytical Results For:**

J & H SERVICES  
 MIGUEL RAMIREZ  
 6616 GULTON CT. E SUITE 90  
 ALBUQUERQUE NM, 87107  
 Fax To:

Received: 01/24/2024  
 Reported: 01/29/2024  
 Project Name: TURNING POINT RISER  
 Project Number: 2345  
 Project Location: BLACKBUCK-EDDY CO., NM

Sampling Date: 01/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: 7 V 2 (H240315-01)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2024	ND	2.18	109	2.00	7.38	
Toluene*	<0.050	0.050	01/24/2024	ND	2.13	107	2.00	13.7	
Ethylbenzene*	<0.050	0.050	01/24/2024	ND	2.21	111	2.00	15.0	
Total Xylenes*	<0.150	0.150	01/24/2024	ND	6.63	111	6.00	16.0	
Total BTEX	<0.300	0.300	01/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	01/24/2024	ND	416	104	400	0.00	

TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/25/2024	ND	207	104	200	2.95	
DRO >C10-C28*	<10.0	10.0	01/25/2024	ND	201	101	200	4.49	
EXT DRO >C28-C36	<10.0	10.0	01/25/2024	ND					

Surrogate: 1-Chlorooctane 90.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.5 % 49.1-148

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---

### Notes and Definitions

BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

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\*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager





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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]









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Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
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Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
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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**

QUESTIONS  
  
Action 315292

QUESTIONS

Operator: Blackbuck New Mexico LLC 3200 Southwest Freeway Houston, TX 77027	OGRID: 373619
	Action Number: 315292
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2332626767
Incident Name	NAPP2332626767 TURNING POINT RISER @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan Received

**Location of Release Source**

Please answer all the questions in this group.

Site Name	Turning Point Riser
Date Release Discovered	11/22/2023
Surface Owner	Federal

**Incident Details**

Please answer all the questions in this group.

Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	Yes
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

**Nature and Volume of Release**

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Cause: Equipment Failure   Pump   Crude Oil   Released: 0 BBL   Recovered: 0 BBL   Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Pump   Produced Water   Released: 1,000 BBL   Recovered: 0 BBL   Lost: 1,000 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Cause: Equipment Failure   Pump   Condensate   Released: 0 BBL   Recovered: 0 BBL   Lost: 0 BBL.
Natural Gas Vented (Mcf) Details	Cause: Equipment Failure   Pump   Natural Gas Vented   Released: 0 Mcf   Recovered: 0 Mcf   Lost: 0 Mcf.
Natural Gas Flared (Mcf) Details	Cause: Equipment Failure   Pump   Natural Gas Flared   Released: 0 Mcf   Recovered: 0 Mcf   Lost: 0 Mcf.
Other Released Details	Cause: Equipment Failure   Pump   Produced Water   Released: 1,000 BBL   Recovered: 0 BBL   Lost: 1,000 BBL.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	N/A



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**District III**

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Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**

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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS, Page 2

Action 315292

**QUESTIONS (continued)**

Operator: Blackbuck New Mexico LLC 3200 Southwest Freeway Houston, TX 77027	OGRID:
	373619
	Action Number:
	315292
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more; (2) an unauthorized release of a volume that: (d) substantially damages property or the environment.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

**Initial Response**

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	N/A

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Adrienne Tovar Email: <a href="mailto:adrienne.tovar@blackbuckresources.com">adrienne.tovar@blackbuckresources.com</a> Date: 02/19/2024
--	---

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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS, Page 3

Action 315292

**QUESTIONS (continued)**

Operator: Blackbuck New Mexico LLC 3200 Southwest Freeway Houston, TX 77027	OGRID:	373619
	Action Number:	315292
	Action Type:	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS****Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	Attached Document
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Zero feet, overlying, or within area
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

**Remediation Plan**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

**Soil Contamination Sampling:** (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride	(EPA 300.0 or SM4500 Cl B)	15200
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	0
GRO+DRO	(EPA SW-846 Method 8015M)	0
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	06/01/2024
On what date will (or did) the final sampling or liner inspection occur	09/01/2024
On what date will (or was) the remediation complete(d)	10/01/2024
What is the estimated surface area (in square feet) that will be reclaimed	122366
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	122366
What is the estimated volume (in cubic yards) that will be remediated	7400

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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**District III**

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**District IV**

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Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
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**Santa Fe, NM 87505**

QUESTIONS, Page 4

Action 315292

**QUESTIONS (continued)**

Operator: Blackbuck New Mexico LLC 3200 Southwest Freeway Houston, TX 77027	OGRID:	373619
	Action Number:	315292
	Action Type:	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS****Remediation Plan (continued)**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

**This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:**

(Select all answers below that apply.)

(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Yes
In which state is the disposal taking place	Texas
What is the name of the out-of-state facility	R 360 Red Bluff
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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.

I hereby agree and sign off to the above statement	Name: Adrienne Tovar Email: <a href="mailto:adrienne.tovar@blackbuckresources.com">adrienne.tovar@blackbuckresources.com</a> Date: 02/19/2024
--	---

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5  
  
Action 315292

QUESTIONS (continued)

Operator: Blackbuck New Mexico LLC 3200 Southwest Freeway Houston, TX 77027	OGRID: 373619
	Action Number: 315292
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

<b>Deferral Requests Only</b>	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6  
  
Action 315292

QUESTIONS (continued)

Operator: Blackbuck New Mexico LLC 3200 Southwest Freeway Houston, TX 77027	OGRID: 373619
	Action Number: 315292
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	{Unavailable.}

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	No

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CONDITIONS  
  
Action 315292

CONDITIONS

Operator: Blackbuck New Mexico LLC 3200 Southwest Freeway Houston, TX 77027	OGRID: 373619
	Action Number: 315292
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
scwells	Remediation plan approved. The alternative confirmation sampling plan taking confirmation sidewall and floor samples no more than 400 square feet is approved. Please submit remediation closure report to the OCD by 6/11/2024.	3/12/2024