

Incident ID	nAPP2418335205
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	_____ (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input 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 not 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.

Oil Conservation Division

Incident ID	nAPP2418335205
District RP	
Facility ID	
Application ID	

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

Printed Name: Cameron Weddle Title: Vice President, Operations & Engineering

Signature: _____ Date: _____

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

OCD Only

Received by: _____ Date: _____

Incident ID	nAPP2418335205
District RP	
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Application ID	

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: Vice President, Operations & 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: _____



August 8, 2024

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

Re: **Site Assessment Summary and Remediation Plan**
 TPR 12 Inch Pipeline
 API No. N/A
 GPS: Latitude 32.116582 Longitude -104.295489
 UL "G", Sec. 21, T25S, R26E
 Eddy County, NM
 NMOCD Incident ID: nAPP2418335205

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 TPR 12 Inch Pipeline. Details of the release are summarized below:

RELEASE DETAILS			
Type of Release: Produced Water	Volume of Release:		76 bbls
	Volume Recovered:		0 bbls
Source of Release: Pipeline	Date of Release:	6/28/24	Date of Discovery: 6/28/24
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: Federal	Mineral Owner:		Federal
Describe Cause of Release and Remedial Action Taken:			
Pipeline failure. Crew was sent to hydrovac area and repair pipeline.			

A Topographic Map is provided as Attachment #3. 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	Unknown	
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	Constituent	Method*	Limit**
Unknown	Chloride***	EPA 300.0	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

On July 18, 2024, J & H personnel conducted site assessment activities. Five (5) 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 ranged from 18,900 mg/kg in sample 2VS to 33.1 mg/kg in sample EH1. Analytical results indicated TPH concentrations were below the NMOCD Closure Criteria in all of the submitted soil samples. Analytical results indicated BTEX Concentrations were below the NMOCD Reclamation Standards in all of the submitted soil samples. A Site and Sample Location Map is provided as Attachment #1. Field Data, if applicable, is provided as Attachment #5. Laboratory analytical reports are provided as Attachment #6. A table summarizing laboratory analytical results from soil samples collected during the site assessment is provided below:

Concentrations of BTEX, TPH and/or Chloride in Soil											
Sample ID	Date	Depth	Soil Status	SW 846 8021B		SW 846 8015M Ext.					E 300
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₅ (mg/kg)	TPH C ₆ -C ₃₅ (mg/kg)	Chloride (mg/kg)
NHS	7/18/24	0-3"	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND
NH1	7/18/24	1'	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND
EHS	7/18/24	0-3"	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND
EH1	7/18/24	1'	In-Situ	ND	ND	ND	ND	ND	ND	ND	33.1
WHS	7/18/24	0-3"	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND
WH1	7/18/24	1'	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND
SHS	7/18/24	0-3"	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND
SH1	7/18/24	1'	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND
1VS	7/18/24	0-3"	In-Situ	ND	0.0706	ND	ND	ND	ND	ND	13,900
1V2	7/18/24	2'	In-Situ	ND	ND	ND	ND	ND	ND	ND	771
2VS	7/18/24	0-3"	In-Situ	ND	ND	ND	ND	ND	ND	ND	18,900
2V3	7/18/24	3'	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND
3VS	7/18/24	0-3"	In-Situ	ND	ND	ND	ND	ND	ND	ND	14,500
3V2	7/18/24	2'	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND
4VS	7/18/24	0-3"	In-Situ	ND	ND	ND	ND	ND	ND	ND	6,680
4V4	7/18/24	4'	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND
5VS	7/18/24	0-3"	In-Situ	ND	ND	ND	ND	ND	ND	ND	17,200
5V4	7/18/24	4'	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND
NMOCD Closure Criteria				10	50	-	-	-	-	100	600

Bold denotes concentrations above applicable criteria or standard.

ND (nondetect) - below the laboratory reporting/detection limit.

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 and 2V to a depth of three (3) ft. bgs, or until laboratory analytical results from confirmation soil samples indicate concentrations of TPH, BTEX and chlorides are below the applicable standards or closure criteria.
- Excavate impacted soil within the release margins in the area characterized by sample point 3V to a depth of two (2) ft. bgs, or until laboratory analytical results from confirmation soil samples indicate concentrations of TPH, BTEX and chlorides are below the applicable standards or closure criteria.
- Excavate impacted soil within the release margins in the areas characterized by sample points 4V and 5V to a depth of four (4) ft. bgs, or until laboratory analytical results from confirmation soil samples indicate concentrations of TPH, BTEX and chlorides are below the applicable standards or closure criteria.
- Excavated soil will be temporarily stockpiled on-site, atop a poly liner, pending transportation under manifest to a NMOCD-approved disposal facility.
- Upon receiving favorable laboratory analytical results from confirmation soil samples, 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.

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 Remediation Plan*. Based on laboratory analytical results, site characteristics and field observations made during the initial site assessment it is estimated approximately 3,500 cubic yards of soil has been affected above the NMOCD Reclamation Standards and/or 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.
Direct: 575-640-6786
Email: zach@jhservicesinc.com

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

Figure 1

Site and Sample Location Map
TPR 12 Inch Pipeline
nAPP2418335205
32.116582, -104.295489

Legend

- Delineation Sample Point
- Horizontal Sample Point
- Release Area - 29,244 Square Feet
- Island



Google Earth



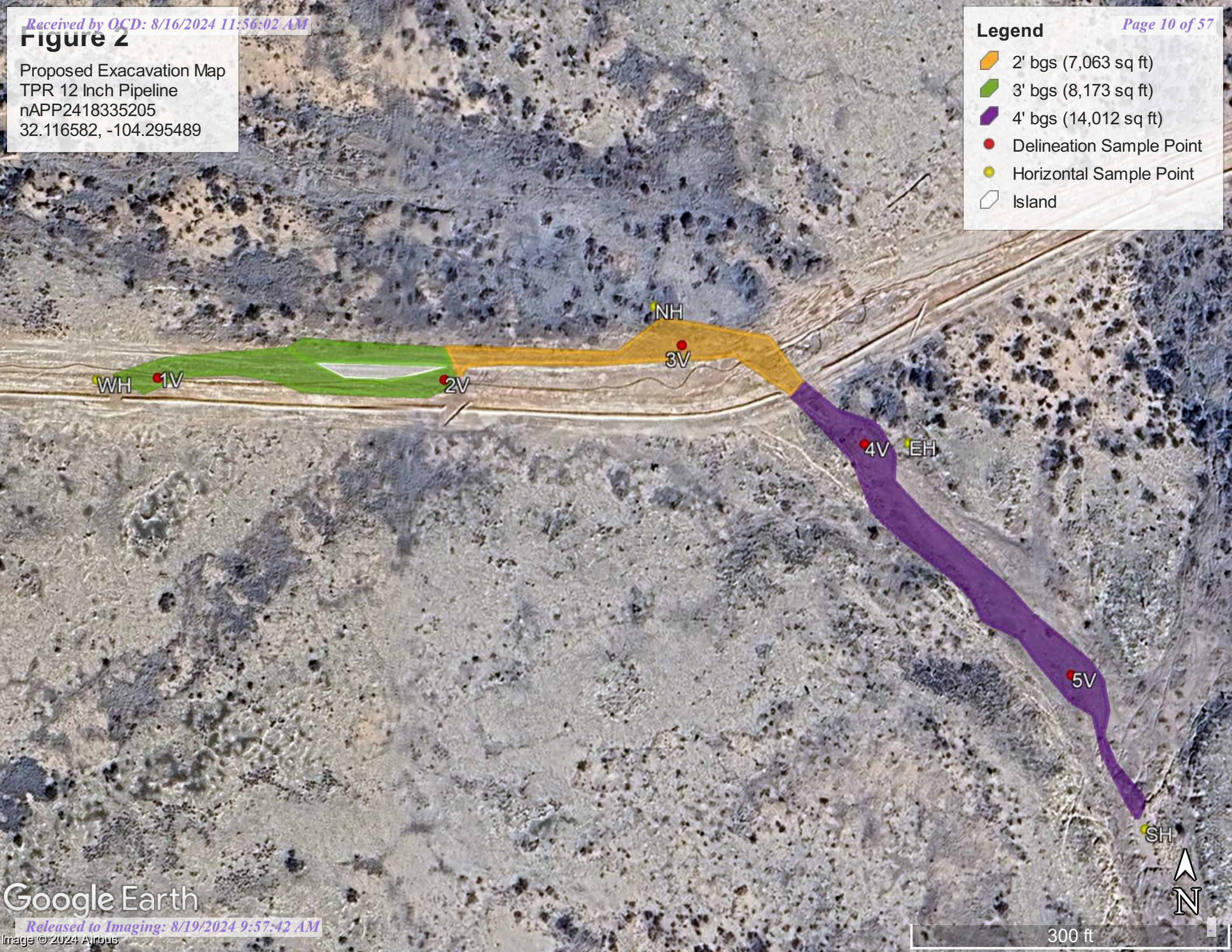
300 ft

Figure 2

Proposed Excavation Map
TPR 12 Inch Pipeline
nAPP2418335205
32.116582, -104.295489

Legend

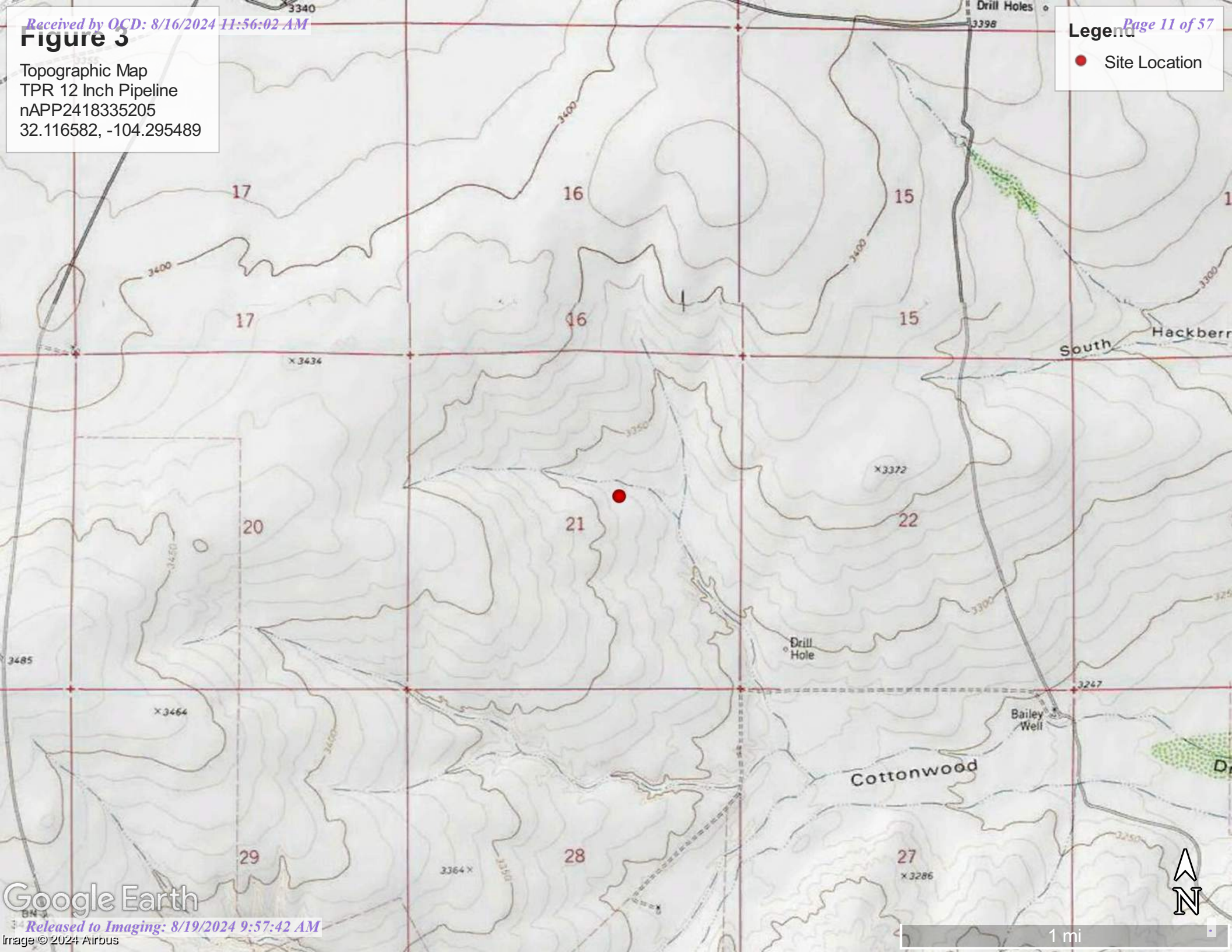
- 2' bgs (7,063 sq ft)
- 3' bgs (8,173 sq ft)
- 4' bgs (14,012 sq ft)
- Delineation Sample Point
- Horizontal Sample Point
- Island



Topographic Map
TPR 12 Inch Pipeline
nAPP2418335205
32.116582, -104.295489

Legend

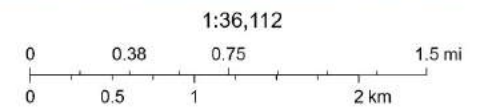
● Site Location



TPR 12 Inch Pipeline OSE POD Location Map



8/8/2024, 3:31:09 PM




Esri, HERE, Garmin, Esri, HERE, Maxar

Online web user
This is an unofficial map from the OSE's online application.

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 Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	C 01368		NW	NW	22	25S	26E	567261.0	3554059.0 *	

* UTM location was derived from PLSS - see Help

Driller License: 28

Driller Company: SMITH, A.F.

Driller Name: SMITH, A.F.

Drill Start Date: 1967-06-15

Drill Finish Date: 1967-06-19

Plug Date:

Log File Date: 1967-08-01

PCW Rcv Date:

Source: Shallow

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size: 7.00

Depth Well: 143

Depth Water: 118

Water Bearing Stratifications:

Top	Bottom	Description
118	120	Sandstone/Gravel/Conglomerate

Casing Perforations:

Top	Bottom
113	143

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.

8/8/24 2:36 PM MST

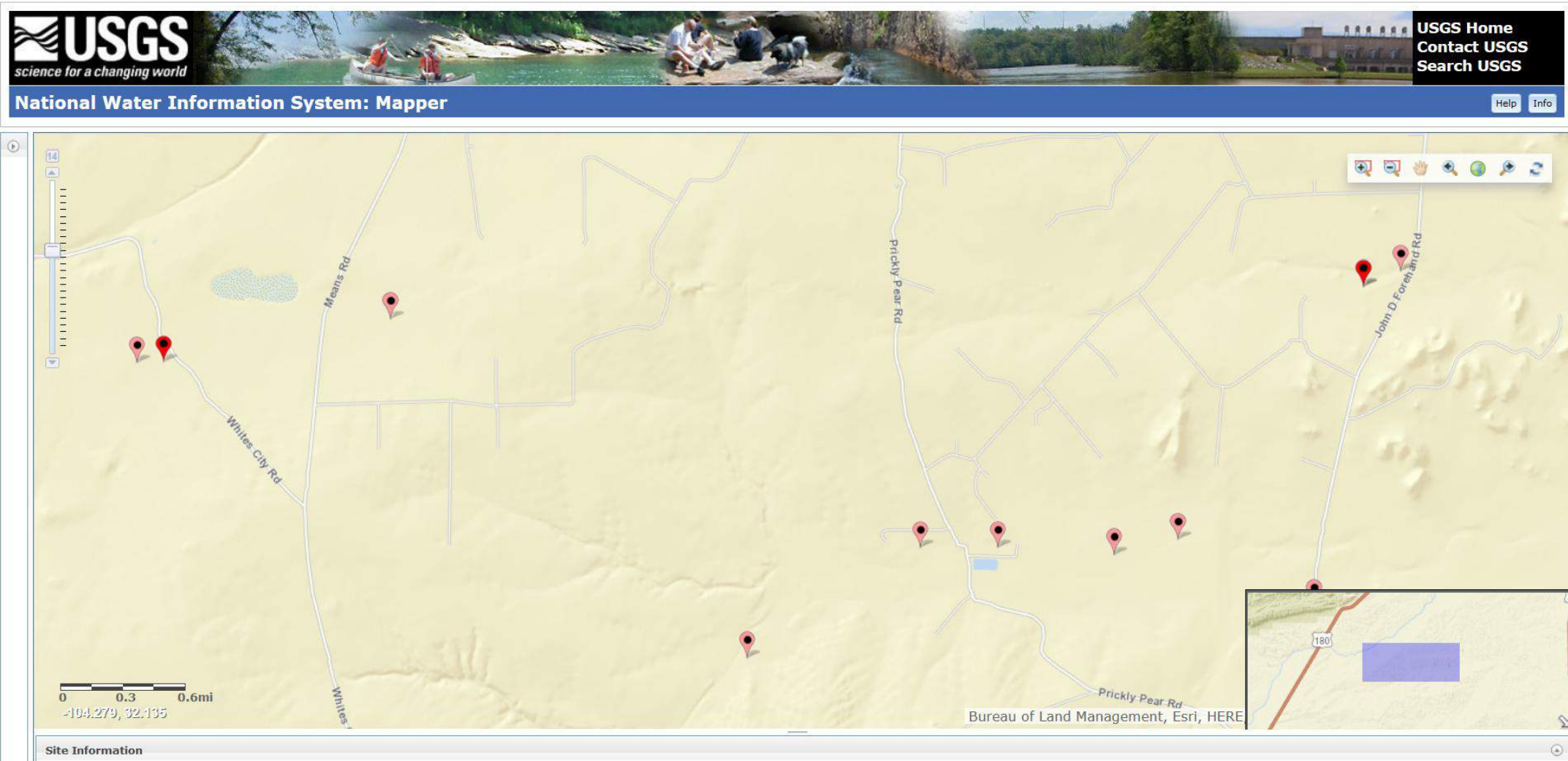
Point of Diversion Summary

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Released to Imaging: 8/19/2024 9:57:42 AM

1 of 1

8/8/2024, 3:37 PM





List of Sites from NWIS Mapper

Request Time and Date: 2024-08-08 20:45 UTC
Number of sites in request: 2
Longitude and Latitude extent of request: West: -104.35 South 32.106 East: -104.221 North: 32.136
Sites Type: Groundwater
Sites Status: Active
Requested type of data for sites: All Data

Site Number	Site Name	Agency	Link to Data
320719104200201	25S.26E.19.111443	USGS	Access Data
320738104140601	25S.26E.13.42444	USGS	Access Data



List of Sites from NWIS Mapper

Request Time and Date: 2024-08-08 20:44 UTC
Number of sites in request: 8
Longitude and Latitude extent of request: West: -104.35 South 32.106 East: -104.221 North: 32.136
Sites Type: Groundwater
Sites Status: Inactive
Requested type of data for sites: All Data

Site Number	Site Name	Agency	Link to Data
320718104202101	25S.25E.24.224212	USGS	Access Data
320725104190901	25S.26E.18.444444	USGS	Access Data
320627104163001	25S.26E.27.21144	USGS	Access Data
320627104160701	25S.26E.27.22200	USGS	Access Data
320625104153201	25S.26E.26.213213	USGS	Access Data
320629104151301	25S.26E.26.22231	USGS	Access Data
320737104140601	25S.26E.13.44222	USGS	Access Data
320737104140602	25S.26E.13.44222 A	USGS	Access Data

Report to:
Zach Conder



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Black Buck Resources LLC

Project Name: Cold Snack

Work Order: E407174

Job Number: 24036-0001

Received: 7/23/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/25/24

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 7/25/24

Zach Conder
3800 W Mahan
Hobbs, NM 88240



Project Name: Cold Snack
Workorder: E407174
Date Received: 7/23/2024 8:30:00AM

Zach Conder,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/23/2024 8:30:00AM, under the Project Name: Cold Snack.

The analytical test results summarized in this report with the Project Name: Cold Snack apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Black Buck Resources LLC	Project Name:	Cold Snack	Reported:
3800 W Mahan	Project Number:	24036-0001	
Hobbs NM, 88240	Project Manager:	Zach Conder	07/25/24 11:15

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
NHS	E407174-01A	Soil	07/18/24	07/23/24	Glass Jar, 2 oz.
NH1	E407174-02A	Soil	07/18/24	07/23/24	Glass Jar, 2 oz.
EHS	E407174-03A	Soil	07/18/24	07/23/24	Glass Jar, 2 oz.
EH1	E407174-04A	Soil	07/18/24	07/23/24	Glass Jar, 2 oz.
SHS	E407174-05A	Soil	07/18/24	07/23/24	Glass Jar, 2 oz.
SH1	E407174-06A	Soil	07/18/24	07/23/24	Glass Jar, 2 oz.
WHS	E407174-07A	Soil	07/18/24	07/23/24	Glass Jar, 2 oz.
WH1	E407174-08A	Soil	07/18/24	07/23/24	Glass Jar, 2 oz.
1 V S	E407174-09A	Soil	07/18/24	07/23/24	Glass Jar, 2 oz.
1 V 2'	E407174-10A	Soil	07/18/24	07/23/24	Glass Jar, 2 oz.
2 V S	E407174-11A	Soil	07/18/24	07/23/24	Glass Jar, 2 oz.
2 V 3'	E407174-12A	Soil	07/18/24	07/23/24	Glass Jar, 2 oz.
3 V S	E407174-13A	Soil	07/18/24	07/23/24	Glass Jar, 2 oz.
3 V 2'	E407174-14A	Soil	07/18/24	07/23/24	Glass Jar, 2 oz.
4 V S	E407174-15A	Soil	07/18/24	07/23/24	Glass Jar, 2 oz.
4 V 4'	E407174-16A	Soil	07/18/24	07/23/24	Glass Jar, 2 oz.
5 V S	E407174-17A	Soil	07/18/24	07/23/24	Glass Jar, 2 oz.
5 V 4'	E407174-18A	Soil	07/18/24	07/23/24	Glass Jar, 2 oz.

Sample Data

Black Buck Resources LLC	Project Name:	Cold Snack	Reported: 7/25/2024 11:15:12AM
3800 W Mahan	Project Number:	24036-0001	
Hobbs NM, 88240	Project Manager:	Zach Conder	

NHS

E407174-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2430050	
Benzene	ND	0.0250	1	07/23/24	07/24/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/24/24	
Toluene	ND	0.0250	1	07/23/24	07/24/24	
o-Xylene	ND	0.0250	1	07/23/24	07/24/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/24/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/24/24	
Surrogate: 4-Bromochlorobenzene-PID	93.6 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2430050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	108 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2430051	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/23/24	
Surrogate: n-Nonane	103 %	50-200		07/23/24	07/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2430052	
Chloride	ND	20.0	1	07/23/24	07/24/24	



Sample Data

Black Buck Resources LLC	Project Name:	Cold Snack	Reported: 7/25/2024 11:15:12AM
3800 W Mahan	Project Number:	24036-0001	
Hobbs NM, 88240	Project Manager:	Zach Conder	

NH1

E407174-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2430050	
Benzene	ND	0.0250	1	07/23/24	07/24/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/24/24	
Toluene	ND	0.0250	1	07/23/24	07/24/24	
o-Xylene	ND	0.0250	1	07/23/24	07/24/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/24/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/24/24	
Surrogate: 4-Bromochlorobenzene-PID	94.0 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2430050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	107 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2430051	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/23/24	
Surrogate: n-Nonane	106 %	50-200		07/23/24	07/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2430052	
Chloride	ND	20.0	1	07/23/24	07/24/24	



Sample Data

Black Buck Resources LLC	Project Name:	Cold Snack	Reported: 7/25/2024 11:15:12AM
3800 W Mahan	Project Number:	24036-0001	
Hobbs NM, 88240	Project Manager:	Zach Conder	

EHS

E407174-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2430050	
Benzene	ND	0.0250	1	07/23/24	07/24/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/24/24	
Toluene	ND	0.0250	1	07/23/24	07/24/24	
o-Xylene	ND	0.0250	1	07/23/24	07/24/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/24/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/24/24	
Surrogate: 4-Bromochlorobenzene-PID	94.6 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2430050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	108 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2430051	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/24/24	
Surrogate: n-Nonane	109 %	50-200		07/23/24	07/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2430052	
Chloride	ND	20.0	1	07/23/24	07/24/24	



Sample Data

Black Buck Resources LLC
3800 W Mahan
Hobbs NM, 88240

Project Name: Cold Snack
Project Number: 24036-0001
Project Manager: Zach Conder

Reported:
7/25/2024 11:15:12AM

EH1

E407174-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2430050	
Benzene	ND	0.0250	1	07/23/24	07/24/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/24/24	
Toluene	ND	0.0250	1	07/23/24	07/24/24	
o-Xylene	ND	0.0250	1	07/23/24	07/24/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/24/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	94.0 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2430050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	107 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2430051	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/24/24	
<i>Surrogate: n-Nonane</i>	110 %	50-200		07/23/24	07/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2430052	
Chloride	33.1	20.0	1	07/23/24	07/24/24	



Sample Data

Black Buck Resources LLC	Project Name:	Cold Snack	Reported: 7/25/2024 11:15:12AM
3800 W Mahan	Project Number:	24036-0001	
Hobbs NM, 88240	Project Manager:	Zach Conder	

SHS

E407174-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2430050	
Benzene	ND	0.0250	1	07/23/24	07/24/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/24/24	
Toluene	ND	0.0250	1	07/23/24	07/24/24	
o-Xylene	ND	0.0250	1	07/23/24	07/24/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/24/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/24/24	
Surrogate: 4-Bromochlorobenzene-PID	93.8 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2430050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	108 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2430051	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/24/24	
Surrogate: n-Nonane	98.0 %	50-200		07/23/24	07/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2430052	
Chloride	ND	20.0	1	07/23/24	07/24/24	



Sample Data

Black Buck Resources LLC
3800 W Mahan
Hobbs NM, 88240

Project Name: Cold Snack
Project Number: 24036-0001
Project Manager: Zach Conder

Reported:
7/25/2024 11:15:12AM

SH1

E407174-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2430050	
Benzene	ND	0.0250	1	07/23/24	07/24/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/24/24	
Toluene	ND	0.0250	1	07/23/24	07/24/24	
o-Xylene	ND	0.0250	1	07/23/24	07/24/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/24/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	94.4 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2430050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	107 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2430051	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/24/24	
<i>Surrogate: n-Nonane</i>	95.8 %	50-200		07/23/24	07/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2430052	
Chloride	ND	20.0	1	07/23/24	07/24/24	



Sample Data

Black Buck Resources LLC	Project Name:	Cold Snack	Reported: 7/25/2024 11:15:12AM
3800 W Mahan	Project Number:	24036-0001	
Hobbs NM, 88240	Project Manager:	Zach Conder	

WHS

E407174-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2430050	
Benzene	ND	0.0250	1	07/23/24	07/24/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/24/24	
Toluene	ND	0.0250	1	07/23/24	07/24/24	
o-Xylene	ND	0.0250	1	07/23/24	07/24/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/24/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.5 %	70-130	07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2430050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		107 %	70-130	07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2430051	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/24/24	
<i>Surrogate: n-Nonane</i>		106 %	50-200	07/23/24	07/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2430052	
Chloride	ND	20.0	1	07/23/24	07/24/24	



Sample Data

Black Buck Resources LLC	Project Name:	Cold Snack	Reported: 7/25/2024 11:15:12AM
3800 W Mahan	Project Number:	24036-0001	
Hobbs NM, 88240	Project Manager:	Zach Conder	

WH1

E407174-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2430050	
Benzene	ND	0.0250	1	07/23/24	07/24/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/24/24	
Toluene	ND	0.0250	1	07/23/24	07/24/24	
o-Xylene	ND	0.0250	1	07/23/24	07/24/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/24/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/24/24	
Surrogate: 4-Bromochlorobenzene-PID	93.8 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2430050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	107 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2430051	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/24/24	
Surrogate: n-Nonane	112 %	50-200		07/23/24	07/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2430052	
Chloride	ND	20.0	1	07/23/24	07/24/24	



Sample Data

Black Buck Resources LLC	Project Name:	Cold Snack	Reported: 7/25/2024 11:15:12AM
3800 W Mahan	Project Number:	24036-0001	
Hobbs NM, 88240	Project Manager:	Zach Conder	

I V S

E407174-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2430050	
Benzene	ND	0.0250	1	07/23/24	07/24/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/24/24	
Toluene	ND	0.0250	1	07/23/24	07/24/24	
o-Xylene	ND	0.0250	1	07/23/24	07/24/24	
p,m-Xylene	0.0706	0.0500	1	07/23/24	07/24/24	
Total Xylenes	0.0706	0.0250	1	07/23/24	07/24/24	
Surrogate: 4-Bromochlorobenzene-PID	96.9 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2430050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	106 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2430051	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/24/24	
Surrogate: n-Nonane	99.1 %	50-200		07/23/24	07/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2430052	
Chloride	13900	400	20	07/23/24	07/24/24	



Sample Data

Black Buck Resources LLC	Project Name:	Cold Snack	Reported: 7/25/2024 11:15:12AM
3800 W Mahan	Project Number:	24036-0001	
Hobbs NM, 88240	Project Manager:	Zach Conder	

1 V 2'

E407174-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2430050	
Benzene	ND	0.0250	1	07/23/24	07/24/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/24/24	
Toluene	ND	0.0250	1	07/23/24	07/24/24	
o-Xylene	ND	0.0250	1	07/23/24	07/24/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/24/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/24/24	
Surrogate: 4-Bromochlorobenzene-PID	94.6 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2430050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	107 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2430051	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/24/24	
Surrogate: n-Nonane	105 %	50-200		07/23/24	07/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2430052	
Chloride	771	200	10	07/23/24	07/24/24	



Sample Data

Black Buck Resources LLC	Project Name:	Cold Snack	Reported: 7/25/2024 11:15:12AM
3800 W Mahan	Project Number:	24036-0001	
Hobbs NM, 88240	Project Manager:	Zach Conder	

2 V S

E407174-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2430050	
Benzene	ND	0.0250	1	07/23/24	07/24/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/24/24	
Toluene	ND	0.0250	1	07/23/24	07/24/24	
o-Xylene	ND	0.0250	1	07/23/24	07/24/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/24/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/24/24	
Surrogate: 4-Bromochlorobenzene-PID	95.6 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2430050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	106 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2430051	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/24/24	
Surrogate: n-Nonane	100 %	50-200		07/23/24	07/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2430052	
Chloride	18900	1000	50	07/23/24	07/24/24	



Sample Data

Black Buck Resources LLC
3800 W Mahan
Hobbs NM, 88240

Project Name: Cold Snack
Project Number: 24036-0001
Project Manager: Zach Conder

Reported:
7/25/2024 11:15:12AM

2 V 3'

E407174-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2430050
Benzene	ND	0.0250	1	07/23/24	07/24/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/24/24	
Toluene	ND	0.0250	1	07/23/24	07/24/24	
o-Xylene	ND	0.0250	1	07/23/24	07/24/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/24/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.9 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2430050
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	107 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2430051
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/24/24	
<i>Surrogate: n-Nonane</i>						
	114 %	50-200		07/23/24	07/24/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2430052
Chloride	ND	200	10	07/23/24	07/24/24	



Sample Data

Black Buck Resources LLC	Project Name:	Cold Snack	Reported: 7/25/2024 11:15:12AM
3800 W Mahan	Project Number:	24036-0001	
Hobbs NM, 88240	Project Manager:	Zach Conder	

3 V S

E407174-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2430050	
Benzene	ND	0.0250	1	07/23/24	07/24/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/24/24	
Toluene	ND	0.0250	1	07/23/24	07/24/24	
o-Xylene	ND	0.0250	1	07/23/24	07/24/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/24/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/24/24	
Surrogate: 4-Bromochlorobenzene-PID	95.7 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2430050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	107 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2430051	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/24/24	
Surrogate: n-Nonane	98.4 %	50-200		07/23/24	07/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2430052	
Chloride	14500	1000	50	07/23/24	07/24/24	



Sample Data

Black Buck Resources LLC	Project Name:	Cold Snack	Reported: 7/25/2024 11:15:12AM
3800 W Mahan	Project Number:	24036-0001	
Hobbs NM, 88240	Project Manager:	Zach Conder	

3 V 2'

E407174-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2430050	
Benzene	ND	0.0250	1	07/23/24	07/24/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/24/24	
Toluene	ND	0.0250	1	07/23/24	07/24/24	
o-Xylene	ND	0.0250	1	07/23/24	07/24/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/24/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.7 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2430050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	107 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2430051	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/24/24	
<i>Surrogate: n-Nonane</i>						
	75.1 %	50-200		07/23/24	07/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2430052	
Chloride	ND	200	10	07/23/24	07/24/24	



Sample Data

Black Buck Resources LLC
3800 W Mahan
Hobbs NM, 88240

Project Name: Cold Snack
Project Number: 24036-0001
Project Manager: Zach Conder

Reported:
7/25/2024 11:15:12AM

4 V S

E407174-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2430050	
Benzene	ND	0.0250	1	07/23/24	07/24/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/24/24	
Toluene	ND	0.0250	1	07/23/24	07/24/24	
o-Xylene	ND	0.0250	1	07/23/24	07/24/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/24/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	95.5 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2430050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	107 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2430051	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/24/24	
<i>Surrogate: n-Nonane</i>	76.1 %	50-200		07/23/24	07/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2430052	
Chloride	6680	400	20	07/23/24	07/24/24	



Sample Data

Black Buck Resources LLC	Project Name:	Cold Snack	Reported: 7/25/2024 11:15:12AM
3800 W Mahan	Project Number:	24036-0001	
Hobbs NM, 88240	Project Manager:	Zach Conder	

4 V 4'

E407174-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2430050	
Benzene	ND	0.0250	1	07/23/24	07/24/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/24/24	
Toluene	ND	0.0250	1	07/23/24	07/24/24	
o-Xylene	ND	0.0250	1	07/23/24	07/24/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/24/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/24/24	
Surrogate: 4-Bromochlorobenzene-PID	93.9 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2430050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	107 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2430051	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/24/24	
Surrogate: n-Nonane	110 %	50-200		07/23/24	07/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2430052	
Chloride	ND	20.0	1	07/23/24	07/24/24	



Sample Data

Black Buck Resources LLC	Project Name:	Cold Snack	Reported: 7/25/2024 11:15:12AM
3800 W Mahan	Project Number:	24036-0001	
Hobbs NM, 88240	Project Manager:	Zach Conder	

5 V S

E407174-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2430050	
Benzene	ND	0.0250	1	07/23/24	07/24/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/24/24	
Toluene	ND	0.0250	1	07/23/24	07/24/24	
o-Xylene	ND	0.0250	1	07/23/24	07/24/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/24/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/24/24	
Surrogate: 4-Bromochlorobenzene-PID	95.1 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2430050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	106 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2430051	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/24/24	
Surrogate: n-Nonane	99.0 %	50-200		07/23/24	07/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2430052	
Chloride	17200	1000	50	07/23/24	07/24/24	



Sample Data

Black Buck Resources LLC
3800 W Mahan
Hobbs NM, 88240

Project Name: Cold Snack
Project Number: 24036-0001
Project Manager: Zach Conder

Reported:
7/25/2024 11:15:12AM

5 V 4'

E407174-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2430050
Benzene	ND	0.0250	1	07/23/24	07/24/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/24/24	
Toluene	ND	0.0250	1	07/23/24	07/24/24	
o-Xylene	ND	0.0250	1	07/23/24	07/24/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/24/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.3 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2430050
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	106 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2430051
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/24/24	
<i>Surrogate: n-Nonane</i>						
	106 %	50-200		07/23/24	07/24/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2430052
Chloride	ND	20.0	1	07/23/24	07/24/24	



QC Summary Data

Black Buck Resources LLC	Project Name:	Cold Snack	Reported:
3800 W Mahan	Project Number:	24036-0001	
Hobbs NM, 88240	Project Manager:	Zach Conder	7/25/2024 11:15:12AM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2430050-BLK1) Prepared: 07/23/24 Analyzed: 07/24/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.43		8.00		92.9	70-130			

LCS (2430050-BS1) Prepared: 07/23/24 Analyzed: 07/24/24

Benzene	5.43	0.0250	5.00		109	70-130			
Ethylbenzene	5.11	0.0250	5.00		102	70-130			
Toluene	5.36	0.0250	5.00		107	70-130			
o-Xylene	5.22	0.0250	5.00		104	70-130			
p,m-Xylene	10.5	0.0500	10.0		105	70-130			
Total Xylenes	15.8	0.0250	15.0		105	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.48		8.00		93.5	70-130			

Matrix Spike (2430050-MS1) Source: E407174-03 Prepared: 07/23/24 Analyzed: 07/24/24

Benzene	4.97	0.0250	5.00	ND	99.5	54-133			
Ethylbenzene	4.67	0.0250	5.00	ND	93.3	61-133			
Toluene	4.90	0.0250	5.00	ND	98.1	61-130			
o-Xylene	4.78	0.0250	5.00	ND	95.5	63-131			
p,m-Xylene	9.62	0.0500	10.0	ND	96.2	63-131			
Total Xylenes	14.4	0.0250	15.0	ND	96.0	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.44		8.00		93.0	70-130			

Matrix Spike Dup (2430050-MSD1) Source: E407174-03 Prepared: 07/23/24 Analyzed: 07/24/24

Benzene	4.93	0.0250	5.00	ND	98.7	54-133	0.818	20	
Ethylbenzene	4.64	0.0250	5.00	ND	92.8	61-133	0.580	20	
Toluene	4.86	0.0250	5.00	ND	97.2	61-130	0.926	20	
o-Xylene	4.73	0.0250	5.00	ND	94.7	63-131	0.896	20	
p,m-Xylene	9.56	0.0500	10.0	ND	95.6	63-131	0.671	20	
Total Xylenes	14.3	0.0250	15.0	ND	95.3	63-131	0.745	20	
Surrogate: 4-Bromochlorobenzene-PID	7.47		8.00		93.3	70-130			



QC Summary Data

Black Buck Resources LLC	Project Name:	Cold Snack	Reported:
3800 W Mahan	Project Number:	24036-0001	
Hobbs NM, 88240	Project Manager:	Zach Conder	7/25/2024 11:15:12AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2430050-BLK1) Prepared: 07/23/24 Analyzed: 07/24/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.43		8.00		105	70-130			

LCS (2430050-BS2) Prepared: 07/23/24 Analyzed: 07/24/24

Gasoline Range Organics (C6-C10)	47.8	20.0	50.0		95.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.53		8.00		107	70-130			

Matrix Spike (2430050-MS2) Source: E407174-03 Prepared: 07/23/24 Analyzed: 07/24/24

Gasoline Range Organics (C6-C10)	47.3	20.0	50.0	ND	94.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.63		8.00		108	70-130			

Matrix Spike Dup (2430050-MSD2) Source: E407174-03 Prepared: 07/23/24 Analyzed: 07/24/24

Gasoline Range Organics (C6-C10)	48.2	20.0	50.0	ND	96.3	70-130	1.87	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.54		8.00		107	70-130			



QC Summary Data

Black Buck Resources LLC	Project Name:	Cold Snack	Reported:
3800 W Mahan	Project Number:	24036-0001	
Hobbs NM, 88240	Project Manager:	Zach Conder	7/25/2024 11:15:12AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2430051-BLK1) Prepared: 07/23/24 Analyzed: 07/23/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	60.3		50.0		121	50-200			

LCS (2430051-BS1) Prepared: 07/23/24 Analyzed: 07/23/24

Diesel Range Organics (C10-C28)	255	25.0	250		102	38-132			
Surrogate: n-Nonane	59.5		50.0		119	50-200			

Matrix Spike (2430051-MS1) Source: E407174-05 Prepared: 07/23/24 Analyzed: 07/23/24

Diesel Range Organics (C10-C28)	264	25.0	250	ND	105	38-132			
Surrogate: n-Nonane	58.8		50.0		118	50-200			

Matrix Spike Dup (2430051-MSD1) Source: E407174-05 Prepared: 07/23/24 Analyzed: 07/23/24

Diesel Range Organics (C10-C28)	265	25.0	250	ND	106	38-132	0.414	20	
Surrogate: n-Nonane	56.4		50.0		113	50-200			



QC Summary Data

Black Buck Resources LLC	Project Name:	Cold Snack	Reported:
3800 W Mahan	Project Number:	24036-0001	
Hobbs NM, 88240	Project Manager:	Zach Conder	7/25/2024 11:15:12AM

Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2430052-BLK1)					Prepared: 07/23/24 Analyzed: 07/24/24				
Chloride	ND	20.0							
LCS (2430052-BS1)					Prepared: 07/23/24 Analyzed: 07/24/24				
Chloride	249	20.0	250		99.5	90-110			
Matrix Spike (2430052-MS1)					Source: E407174-04		Prepared: 07/23/24 Analyzed: 07/24/24		
Chloride	267	20.0	250	33.1	93.4	80-120			
Matrix Spike Dup (2430052-MSD1)					Source: E407174-04		Prepared: 07/23/24 Analyzed: 07/24/24		
Chloride	276	20.0	250	33.1	97.1	80-120	3.38	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.
Therefore, hand calculated values may differ slightly.



Definitions and Notes

Black Buck Resources LLC	Project Name:	Cold Snack	
3800 W Mahan	Project Number:	24036-0001	Reported:
Hobbs NM, 88240	Project Manager:	Zach Conder	07/25/24 11:15

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Chain of Custody

Client Information				Invoice Information		Lab Use Only		TAT				State					
Client: Blackbuck Resources				Blackbuck Resources		Lab WO# E407174		Job Number 24036-000		1D	2D	3D	Std	NM	CO	UT	TX
Project Name: Cold Snack				Address:													
Project Manager: Zach Conder				City, State, Zip:													
Address:				Phone:													
City, State, Zip:				Email:													
Phone:				Miscellaneous: care of Cameron Weddle													
Email: Zach@lheservicesinc.com																	
Sample Information										Analysis and Method				EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 900.0	BSDOC - NM	TCEQ 1003 - TX	RCRA 8 Metals	SDWA	CWA	RCRA
8:20	7/18/2024	S	1	NHS		1						X					
8:30	7/18/2024	S	1	NH1		2						X					
8:40	7/18/2024	S	1	EHS		3						X					
8:50	7/18/2024	S	1	EH1		4						X					
9:00	7/18/2024	S	1	SHS		5						X					
9:10	7/18/2024	S	1	SH1		6						X					
9:20	7/18/2024	S	1	WHS		7						X					
9:30	7/18/2024	S	1	WH1		8						X					
9:40	7/18/2024	S	1	1 V S		9						X					
9:50	7/18/2024	S	1	1 V 2'		10						X					
Additional Instructions:																	
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																	
Sampled by: Zach Conder																	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: 7/1 N T1 _____ T2 _____ T3 _____ AVG Temp °C 4									
Michelle Gonzales		7-22-24	1234	Michelle Gonzales		7-22-24	1234										
Michelle Gonzales		7-22-24	1620	J.H.		7-22-24	1730										
J.H.		7-22-24	2345	J.H.		7-23-24	0850										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
J.H.		7-22-24	2345	J.H.		7-23-24	0850										
Sample Matrix: S - Soil, Ed - Solid, Sg - Sludge, A - Aqueous, O - Other _____																	
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____																	
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	



envirotech

Chain of Custody

Client Information				Invoice Information		Lab Use Only		TAT				State						
Client: Blackbuck Resources				Blackbuck Resources		Lab WO# E 4031 74		Job Number 24036-0001				1D 2D 3D Std X						
Project Name: Cold Snack				Address:								NM CO UT TX						
Project Manager: Zach Conder				City, State, Zip:								Y						
Address:				Phone:														
City, State, Zip:				Email:														
Phone:				Miscellaneous: care of Cameron Weddle														
Email: Zach@Jhservicesinc.com																		
Sample Information										Analysis and Method						EPA Program		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1008 - TX	RCRA 8 Metals	SDWA	CWA	RCRA	
10:00	7/18/2024	S	1	2 V S		11						X						
10:10	7/18/2024	S	1	2 V 3'		12						X						
10:20	7/18/2024	S	1	3 V S		13						X						
10:30	7/18/2024	S	1	3 V 2'		14						X						
10:40	7/18/2024	S	1	4 V S		15						X						
10:50	7/18/2024	S	1	4 V 4'		16						X						
11:00	7/18/2024	S	1	5 V S		17						X						
11:10	7/18/2024	S	1	5 V 4'		18						X						
Additional Instructions:																		
I, (Field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mistaking the sample location, date or time of collection is considered fraud and may be grounds for legal action.																		
Sampled by: Zach Conder																		
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent dates. Lab Use Only Received on ice: 6/1 N T1 _____ T2 _____ T3 _____ AVG Temp °C 4						
ZC		7/22/24		1234		Michelle Gonzales		7-22-24		1234								
Michelle Gonzales		7-22-24		1620		A.M.		7-22-24		1730								
Ch. J.		7-22-24		2345		S.S.		7-23-24		0830								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time								
Sample Matrix: S - Soil, Sl - Solid, Sg - Sludge, A - Aqueous, O - Other		Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		



envirotech

Envirotech Analytical Laboratory

Printed: 7/23/2024 10:30:19AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Black Buck Resources LLC	Date Received:	07/23/24 08:30	Work Order ID:	E407174
Phone:	(575) 318-1435	Date Logged In:	07/23/24 09:08	Logged In By:	Noe Soto
Email:	zach@jhsservices.com	Due Date:	07/29/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.



Photo 1 - View of surface staining from the initial release, facing West.

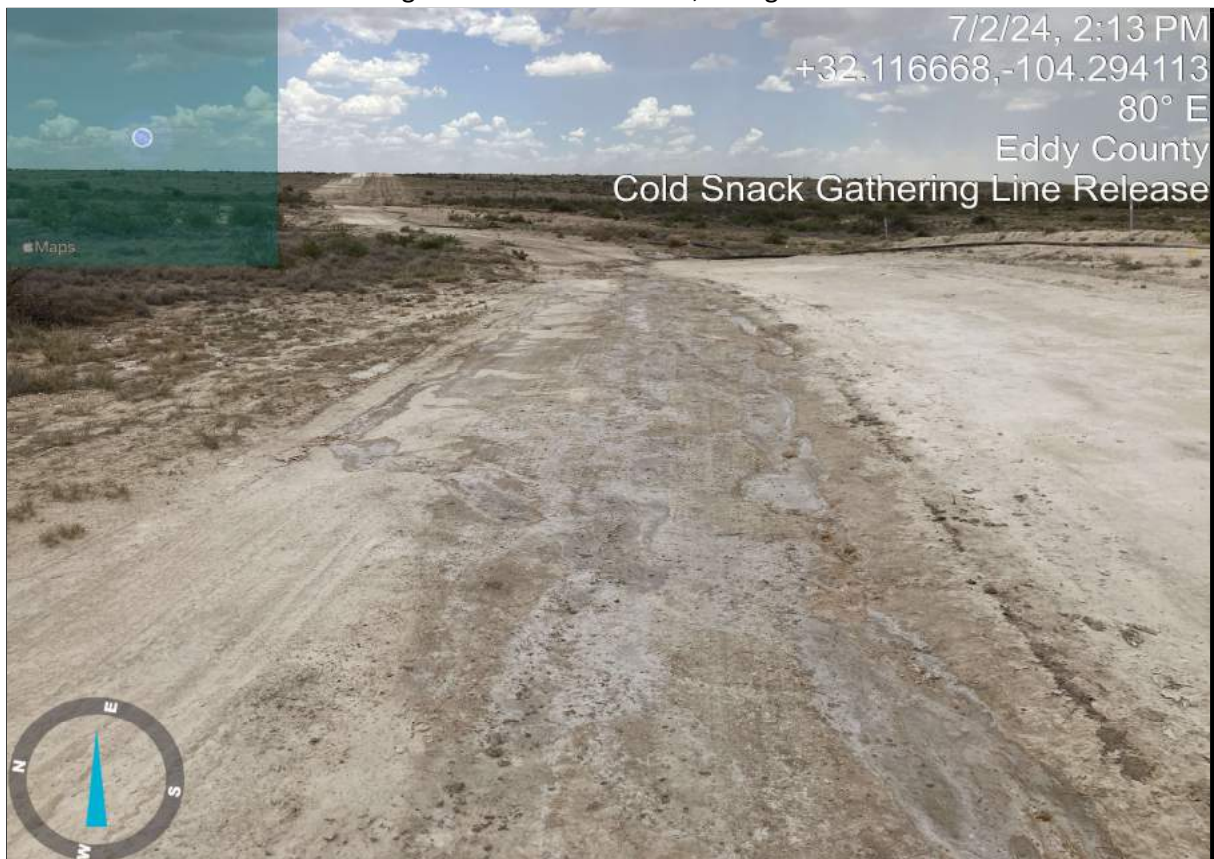


Photo 2 - View of surface staining from the initial release, facing East.



Photo 3 - View of surface staining from the initial release, facing Southeast.

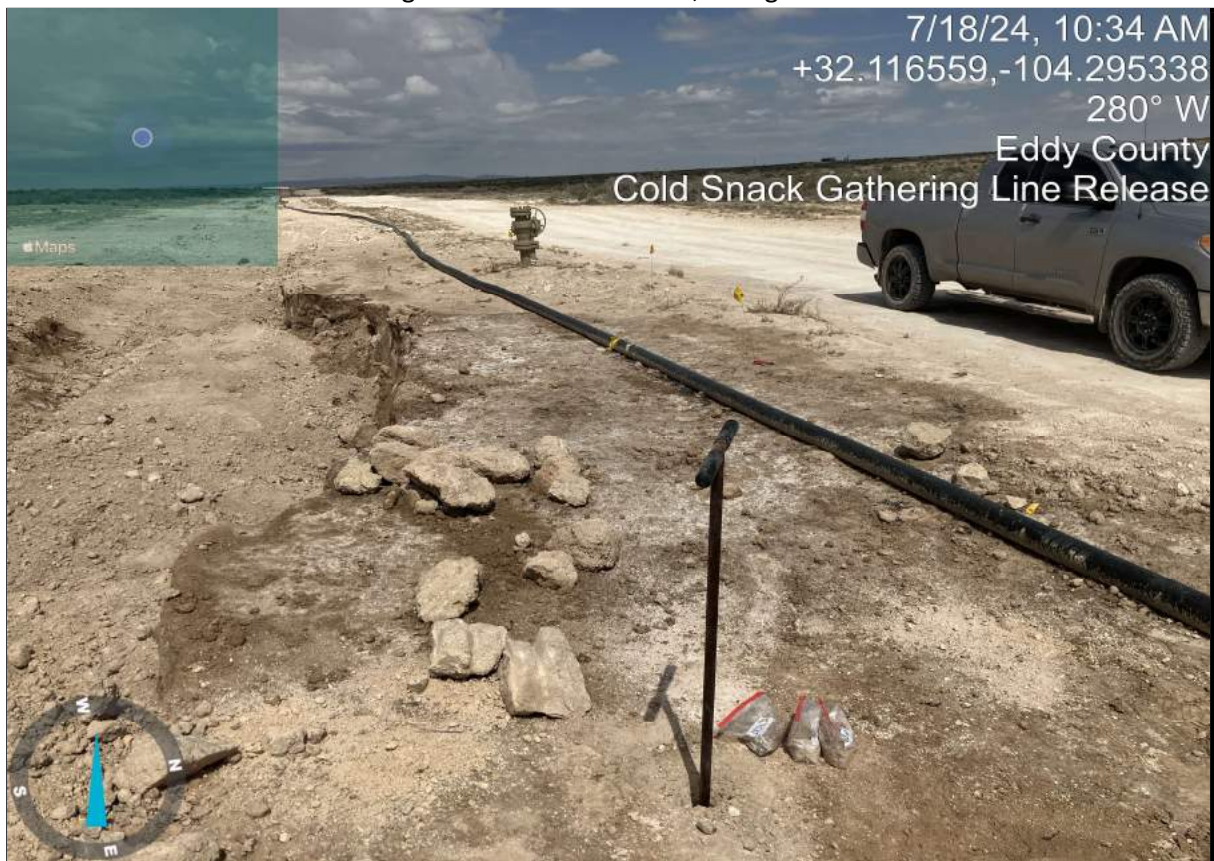


Photo 4 - View of initial site assessment, facing West.



Photo 5 - View of initial site assessment, facing West.



Photo 6 - View of initial site assessment, facing Northwest.

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QUESTIONS

Action 374677

QUESTIONS

Operator: Blackbuck New Mexico LLC 3200 Southwest Freeway Houston, TX 77027	OGRID:
	373619
	Action Number:
	374677
Action Type:	
[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2418335205
Incident Name	NAPP2418335205 TPR 12 INCH PIPELINE @ 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	TPR 12 INCH PIPELINE
Date Release Discovered	06/28/2024
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	No
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	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Pipeline (Any) Produced Water Released: 76 BBL Recovered: 0 BBL Lost: 76 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 374677

QUESTIONS (continued)

Operator: Blackbuck New Mexico LLC 3200 Southwest Freeway Houston, TX 77027	OGRID:	373619
	Action Number:	374677
	Action Type:	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Nature and Volume of Release (continued)	
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.
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: adrienne.tovar@blackbuckresources.com Date: 08/16/2024
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QUESTIONS, Page 3

Action 374677

QUESTIONS (continued)

Operator: Blackbuck New Mexico LLC 3200 Southwest Freeway Houston, TX 77027	OGRID:
	373619
	Action Number: 374677
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 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
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 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 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	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	High
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)	18900
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)	0.1
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	09/15/2024
On what date will (or did) the final sampling or liner inspection occur	09/15/2024
On what date will (or was) the remediation complete(d)	12/14/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
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	29224
What is the estimated volume (in cubic yards) that will be remediated	3500

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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QUESTIONS, Page 4

Action 374677

QUESTIONS (continued)

Operator: Blackbuck New Mexico LLC 3200 Southwest Freeway Houston, TX 77027	OGRID:	373619
	Action Number:	374677
	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 off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	Not answered.
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site 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	R360 Red Bluff Facility
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site 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: adrienne.tovar@blackbuckresources.com Date: 08/16/2024
--	--

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 374677

QUESTIONS (continued)

Operator: Blackbuck New Mexico LLC 3200 Southwest Freeway Houston, TX 77027	OGRID: 373619
	Action Number: 374677
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Deferral Requests Only	
<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 374677

QUESTIONS (continued)

Operator: Blackbuck New Mexico LLC 3200 Southwest Freeway Houston, TX 77027	OGRID: 373619
	Action Number: 374677
	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 374677

CONDITIONS

Operator: Blackbuck New Mexico LLC 3200 Southwest Freeway Houston, TX 77027	OGRID: 373619
	Action Number: 374677
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
scwells	Remediation plan approved with conditions. Using the USFWS National Wetlands Inventory mapper, the release is located < 300 feet from a Wetland, Riverine. The site is also in a critical karst location. Due to the sensitive location of this release, confirmation samples must consist of five-point composite samples collected from the walls and base of the excavation every 200 square feet. Submit remediation closure report to the OCD by 11/18/2024.	8/19/2024