

R. T. HICKS CONSULTANTS, LTD.

901 Rio Grande Blvd NW ▲ Suite F-142 ▲ Albuquerque, NM 87104 ▲ 505.266.5004 ▲ Since 1996

Release Volume Estimate Ogden State 5H Release

The estimate provided below relies upon general data, site-specific data, assumptions, and arithmetic. We believe the calculation presented below represents a reasonable estimate of a release volume of 8± barrels to the pasture. An additional volume of less than 5 barrels probably remains within and below the production pad

1400	sq ft of release footprint from Google Earth
4.3	ft depth of sampling
6020	cubic feet of soil/rock 0-4.3 feet below footprint
0.0283	cu ft/m ³ conversion factor
170.366	cu meters of earth below footprint to 4.3 feet
1602	Kg/m ³ density of sand from internet sources
272,926.33	kg - total weight of soil beneath footprint to 4.3 ft
687	mg/kg - average chloride in samples beneath footprint - 32 (background)
187,500,390.08	mg chloride in soil 0-4.3 feet below footprint
85,800.00	mg/L chloride in release water (see attached analysis)
2,185.32	Liters - released assuming all chloride from produced water
159	liters/bbl. conversion factor
14	bbl. Released

Imperative Water Analysis Report

SYSTEM IDENTIFICATION

IMPERATIVE
CHEMICAL PARTNERS
201 W Wall Street, Suite 900
Midland, TX 79701

Company: Murchison Oil and Gas
Location: Ogden 7
Sample Source: Wellhead
Account Rep: Danny Gonzales

Sample ID#: W-31741

Sample Date: 10-04-2020

Report Date: 10-12-2020

WATER CHEMISTRY

CATIONS

Calcium(as Ca)	4383	Chloride(as Cl)	89600
Magnesium(as Mg)	1506	Sulfate(as SO ₄)	1210
Barium(as Ba)	0.0952	Dissolved CO ₂ (as CO ₂)	160.00
Strontium(as Sr)	91.39	Bicarbonate(as HCO ₃)	1684
Sodium(as Na)	51059	H ₂ S (as H ₂ S)	85.50
Potassium(as K)	489.70	Boron(as B)	14.66
Lithium(as Li)	13.49		
Iron(as Fe)	1.20		
Manganese(as Mn)	1.44		

ANIONS

PARAMETERS

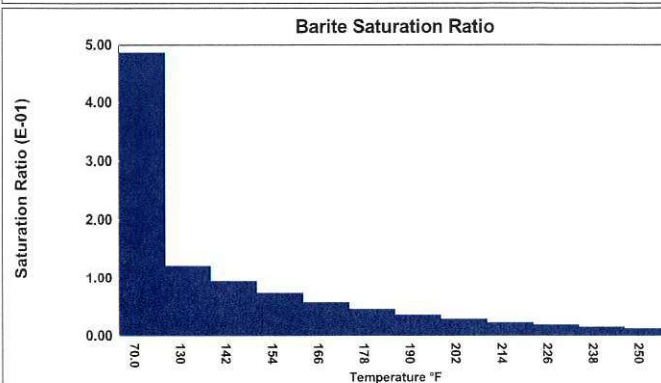
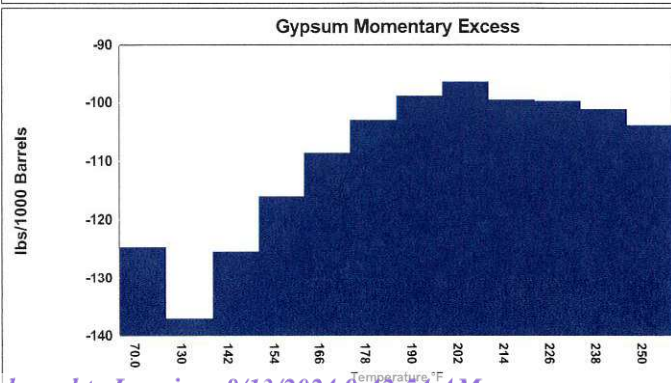
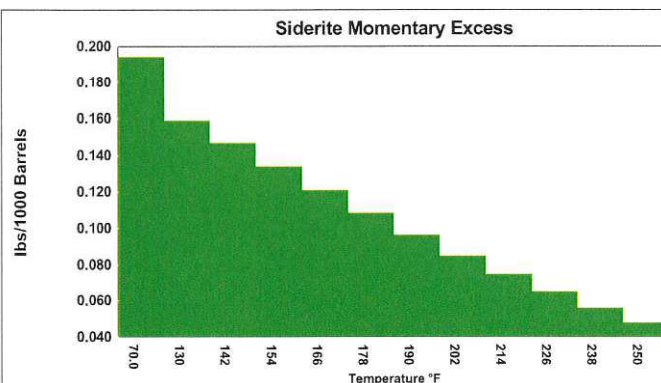
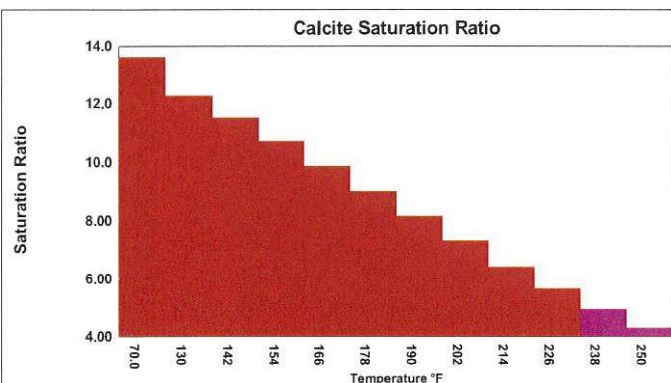
Temperature(°F)	67.70	Sample pH	6.60
Conductivity	145518	Sp.Gr.(g/mL)	1.100
Resistivity	6.87	T.D.S.	160684

SCALE AND CORROSION POTENTIAL

Temp. (°F)	Press. (atm)	Calcite CaCO ₃		Anhydrite CaSO ₄		Gypsum CaSO ₄ *2H ₂ O		Barite BaSO ₄		Celestite SrSO ₄		Siderite FeCO ₃		Mackinawite FeS		CO ₂ (mpy)	pCO ₂ (atm)	
70.00	1.000	13.60	0.300	0.471	-231.98	0.657	-124.84	0.486	-0.0656	0.303	-106.11	2.61	0.194	4.63	0.0888	0.122	0.243	
130.00	10.000	12.25	0.192	0.545	-141.72	0.584	-137.19	0.120	-0.454	0.261	-116.55	3.49	0.159	1.77	0.0450	0.755	2.43	
142.00	19.000	11.51	0.173	0.594	-111.81	0.596	-125.54	0.0928	-0.605	0.250	-120.11	3.54	0.146	1.42	0.0298	1.21	4.61	
154.00	28.000	10.70	0.156	0.662	-81.04	0.607	-116.14	0.0723	-0.794	0.240	-123.96	3.55	0.133	1.13	0.0114	1.72	6.80	
166.00	37.000	9.86	0.139	0.751	-51.09	0.614	-108.74	0.0566	-1.03	0.229	-128.18	3.51	0.121	0.899	-0.0108	2.06	8.98	
178.00	46.000	9.00	0.124	0.867	-23.09	0.620	-103.09	0.0446	-1.32	0.218	-132.78	3.44	0.108	0.713	-0.0377	2.00	11.17	
190.00	55.000	8.15	0.109	1.02	2.23	0.623	-98.99	0.0353	-1.69	0.207	-137.79	3.33	0.0961	0.565	-0.0702	1.01	13.35	
202.00	64.000	7.31	0.0962	1.21	24.48	0.623	-96.36	0.0280	-2.13	0.197	-143.29	3.20	0.0847	0.446	-0.110	0.839	15.54	
214.00	73.000	6.40	0.0851	1.44	43.55	0.615	-99.63	0.0221	-2.71	0.184	-152.07	2.99	0.0744	0.339	-0.164	1.05	17.72	
226.00	82.000	5.64	0.0741	1.74	60.40	0.610	-99.84	0.0177	-3.39	0.174	-158.95	2.82	0.0645	0.266	-0.224	1.29	19.91	
238.00	91.000	4.94	0.0641	2.14	74.63	0.603	-101.22	0.0142	-4.22	0.164	-166.43	2.64	0.0555	0.208	-0.297	1.56	22.09	
250.00	100.000	4.30	0.0550	2.65	86.41	0.594	-103.95	0.0115	-5.24	0.154	-174.69	2.45	0.0473	0.163	-0.385	0.234	24.28	
		Lbs per		Lbs per		Lbs per		Lbs per		Lbs per		Lbs per		Lbs per				
		xSAT	1000	xSAT	1000	xSAT	1000	xSAT	1000	xSAT	1000	xSAT	1000	xSAT	1000			
		Barrels		Barrels		Barrels		Barrels		Barrels		Barrels		Barrels				

Saturation Ratios (xSAT) are the ratio of ion activity to solubility, e.g. {Ca}{CO₃}/K_{sp}. pCO₂ (atm) is the partial pressure of CO₂ in the gas phase.

Lbs/1000 Barrels scale is the quantity of precipitation (or dissolution) required to instantaneously bring the water to equilibrium.



Imperative Water Analysis Report

SYSTEM IDENTIFICATION

IMPERATIVE
CHEMICAL PARTNERS
201 W Wall Street, Suite 900
Midland, TX 79701

Company: Murchison Oil and Gas
Location: Ogden 8
Sample Source: Wellhead
Account Rep: Danny Gonzales

Sample ID#: W-31742

Sample Date: 10-04-2020

Report Date: 10-12-2020

WATER CHEMISTRY

CATIONS

Calcium(as Ca)	4463
Magnesium(as Mg)	1590
Barium(as Ba)	0.122
Strontium(as Sr)	130.60
Sodium(as Na)	47528
Potassium(as K)	501.90
Lithium(as Li)	12.50
Iron(as Fe)	2.55
Manganese(as Mn)	0.820

ANIONS

Chloride(as Cl)	84800
Sulfate(as SO ₄)	1075
Dissolved CO ₂ (as CO ₂)	0.00
Bicarbonate(as HCO ₃)	1427
H ₂ S (as H ₂ S)	85.50
Boron(as B)	13.61

PARAMETERS

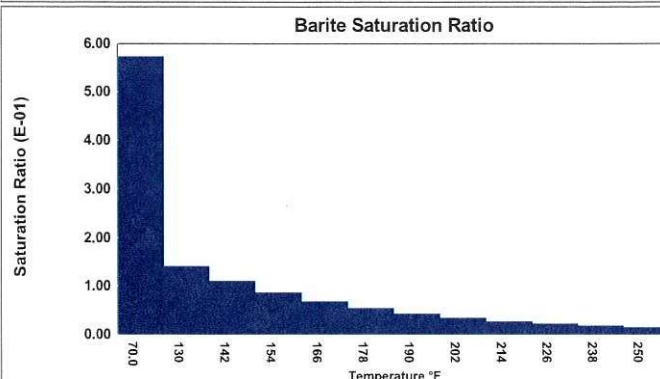
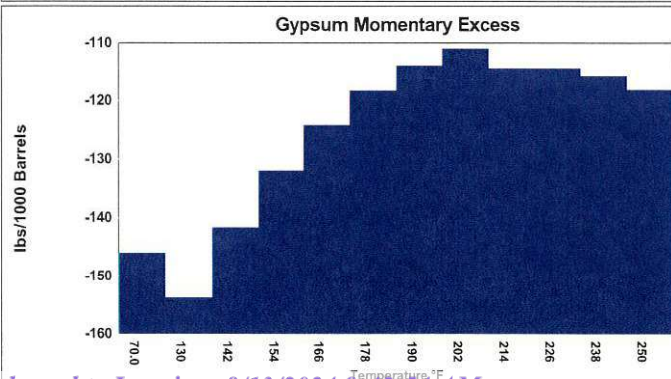
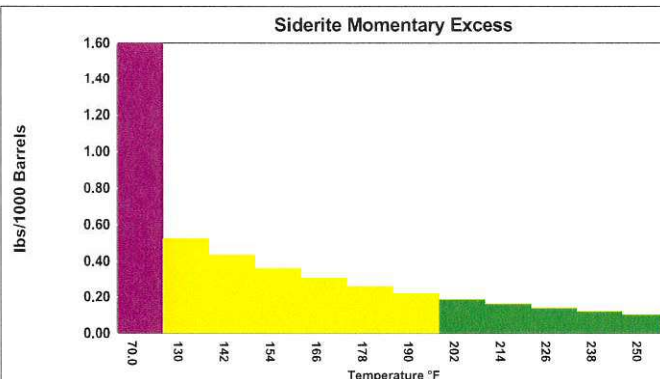
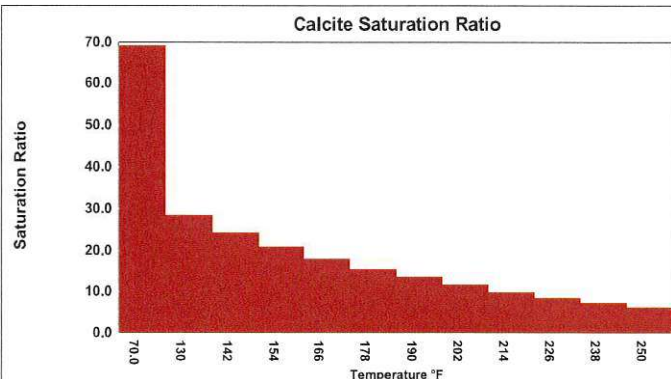
Temperature(°F)	70.10	Sample pH	7.39
Conductivity	141517	Sp.Gr.(g/mL)	1.095
Resistivity	7.07	T.D.S.	150946

SCALE AND CORROSION POTENTIAL

Temp. (°F)	Press. (atm)	Calcite CaCO ₃	Anhydrite CaSO ₄	Gypsum CaSO ₄ *2H ₂ O	Barite BaSO ₄	Celestite SrSO ₄	Siderite FeCO ₃	Mackinawite FeS	CO ₂ (mpy)	pCO ₂ (atm)
70.00	1.000	69.13	1.65	0.419	-255.24	0.593	-146.17	0.572	-0.0592	0.397
130.00	10.000	28.29	0.473	0.484	-160.73	0.527	-153.83	0.141	-0.481	0.342
142.00	19.000	24.13	0.388	0.528	-130.26	0.538	-141.78	0.109	-0.645	0.327
154.00	28.000	20.70	0.321	0.587	-99.08	0.546	-132.08	0.0848	-0.851	0.313
166.00	37.000	17.81	0.268	0.665	-68.72	0.553	-124.35	0.0664	-1.11	0.299
178.00	46.000	15.35	0.225	0.767	-40.36	0.557	-118.39	0.0522	-1.43	0.285
190.00	55.000	13.24	0.191	0.898	-14.72	0.559	-114.01	0.0413	-1.82	0.271
202.00	64.000	11.41	0.162	1.07	7.85	0.559	-111.08	0.0329	-2.30	0.257
214.00	73.000	9.63	0.139	1.27	26.80	0.551	-114.41	0.0259	-2.93	0.240
226.00	82.000	8.25	0.118	1.54	43.88	0.547	-114.40	0.0208	-3.67	0.227
238.00	91.000	7.05	0.100	1.89	58.21	0.541	-115.68	0.0167	-4.57	0.214
250.00	100.000	6.01	0.0850	2.34	70.15	0.532	-118.24	0.0134	-5.65	0.201
		Lbs per xSAT 1000 Barrels		Lbs per xSAT 1000 Barrels		Lbs per xSAT 1000 Barrels		Lbs per xSAT 1000 Barrels		Lbs per xSAT 1000 Barrels

Saturation Ratios (xSAT) are the ratio of ion activity to solubility, e.g. {Ca}{CO₃}/K_{sp}. pCO₂ (atm) is the partial pressure of CO₂ in the gas phase.

Lbs/1000 Barrels scale is the quantity of precipitation (or dissolution) required to instantaneously bring the water to equilibrium.



Imperative Water Analysis Report

SYSTEM IDENTIFICATION

IMPERATIVE
CHEMICAL PARTNERS
201 W Wall Street, Suite 900
Midland, TX 79701

Company: Murchison Oil and Gas
Location: Ogden 005 A
Sample Source: Wellhead
Account Rep: Danny Gonzales

Sample ID#: W-31743

Sample Date: 10-04-2020

Report Date: 10-12-2020

WATER CHEMISTRY

CATIONS

Calcium(as Ca)	4222
Magnesium(as Mg)	1469
Barium(as Ba)	0.0830
Strontium(as Sr)	95.74
Sodium(as Na)	48892
Potassium(as K)	489.90
Lithium(as Li)	12.81
Iron(as Fe)	6.24
Manganese(as Mn)	0.795

ANIONS

Chloride(as Cl)	85800
Sulfate(as SO ₄)	1186
Dissolved CO ₂ (as CO ₂)	0.00
Bicarbonate(as HCO ₃)	1781
H ₂ S (as H ₂ S)	85.50
Boron(as B)	12.09

PARAMETERS

Temperature(°F)	73.30	Sample pH	7.37
Conductivity	150925	Sp.Gr.(g/mL)	1.095
Resistivity	6.63	T.D.S.	153465

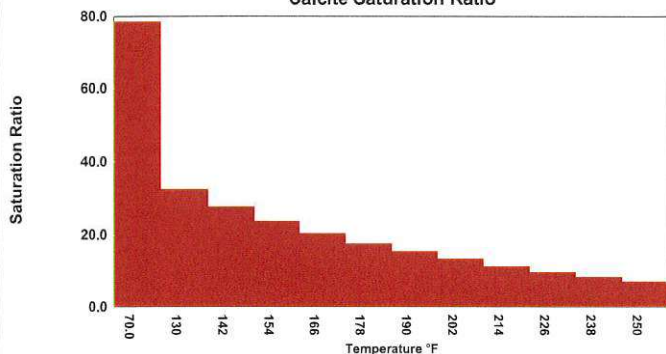
SCALE AND CORROSION POTENTIAL

Temp. (°F)	Press. (atm)	Calcite CaCO ₃		Anhydrite CaSO ₄		Gypsum CaSO ₄ *2H ₂ O		Barite BaSO ₄		Celestite SrSO ₄		Siderite FeCO ₃		Mackinawite FeS		CO ₂ (mpy)	pCO ₂ (atm)
70.00	1.000	78.42	1.99	0.448	-255.33	0.631	-140.28	0.441	-0.0682	0.330	-98.81	84.90	2.28	318.13	0.589	0.0477	0.0561
130.00	10.000	32.33	0.576	0.520	-157.65	0.564	-150.18	0.109	-0.437	0.286	-109.07	52.01	0.672	41.43	0.527	0.219	0.561
142.00	19.000	27.56	0.472	0.568	-125.74	0.577	-137.64	0.0848	-0.580	0.274	-112.58	47.87	0.554	29.24	0.510	0.223	1.07
154.00	28.000	23.62	0.391	0.633	-93.01	0.587	-127.56	0.0660	-0.760	0.263	-116.41	44.17	0.461	20.96	0.492	0.249	1.57
166.00	37.000	20.31	0.327	0.719	-61.08	0.595	-119.54	0.0517	-0.984	0.251	-120.56	40.81	0.387	15.22	0.471	0.295	2.08
178.00	46.000	17.50	0.275	0.830	-31.23	0.600	-113.36	0.0407	-1.26	0.239	-125.08	37.68	0.327	11.17	0.448	0.315	2.58
190.00	55.000	15.07	0.232	0.973	-4.21	0.603	-108.84	0.0323	-1.60	0.228	-130.00	34.75	0.279	8.27	0.421	0.179	3.09
202.00	64.000	12.98	0.197	1.16	19.59	0.604	-105.82	0.0257	-2.03	0.216	-135.37	32.00	0.239	6.18	0.390	0.162	3.59
214.00	73.000	10.94	0.169	1.38	39.79	0.596	-109.17	0.0202	-2.58	0.202	-143.95	28.85	0.207	4.46	0.345	0.208	4.10
226.00	82.000	9.36	0.144	1.67	57.74	0.591	-109.27	0.0162	-3.22	0.191	-150.70	26.37	0.179	3.36	0.302	0.260	4.60
238.00	91.000	8.00	0.122	2.06	72.92	0.585	-110.57	0.0130	-4.01	0.180	-158.01	24.05	0.155	2.54	0.251	0.322	5.11
250.00	100.000	6.81	0.104	2.55	85.49	0.576	-113.29	0.0105	-4.97	0.169	-166.08	21.86	0.135	1.93	0.192	0.280	5.61
		Lbs per xSAT Barrels		Lbs per xSAT Barrels		Lbs per xSAT Barrels		Lbs per xSAT Barrels		Lbs per xSAT Barrels		Lbs per xSAT Barrels		Lbs per xSAT Barrels			

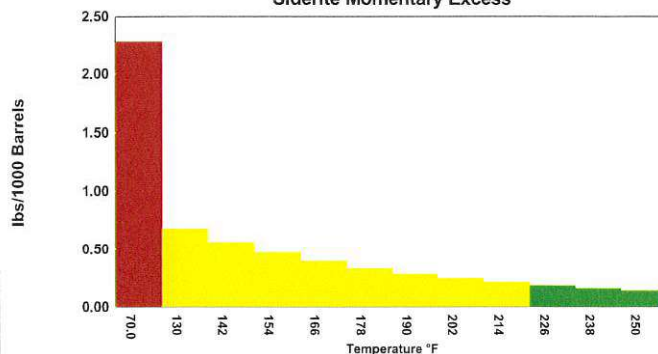
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Lbs/1000 Barrels scale is the quantity of precipitation (or dissolution) required to instantaneously bring the water to equilibrium.

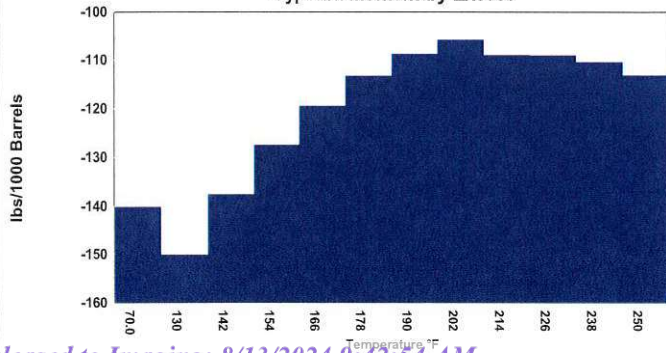
Calcite Saturation Ratio



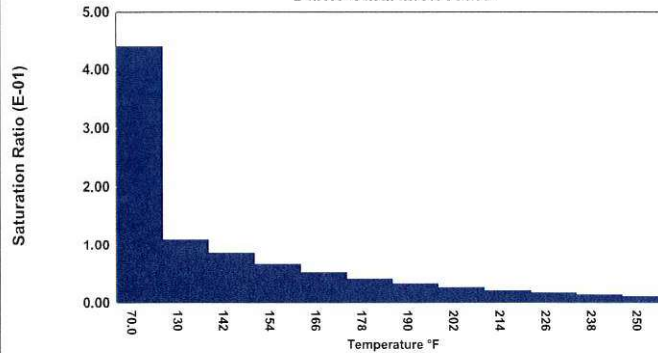
Siderite Momentary Excess



Gypsum Momentary Excess



Barite Saturation Ratio





Remediation Summary and Closure Request

**Murchison Oil & Gas, LLC
Ogden State 5H
Eddy County, New Mexico
Unit Letter "O", Section 2, Township 25 South, Range 26 East
Latitude 32.152079 North, Longitude 104.260939 West
NMOCD Incident # NMLB1211627407**

Prepared For:

Murchison Oil & Gas
5325 Sierra Vista
Carlsbad, NM 88230

Prepared By:

Hungry Horse, LLC
4024 Plains Hwy
Lovington, NM 88260
Office: (575) 393-3386

August 2024

Bradley Wells

Bradley Wells
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Table Of Contents

Background	1
NMOCD Site Classification	1
Delineation and Remediation Activities	2
Cultural Properties Protection Compliance	3
Restoration, Reclamation, and Re-Vegetation	3
Closure Request	3
Limitations	4
Distribution	5

Figures

- Figure 1 – Topographic Map
- Figure 2 – OSE POD Locations Map
- Figure 3 – USGS Well Locations Map
- Figure 4 – Delineation Sample Map
- Figure 5 – Excavation Sample Map

Tables

- Table 1 – Analytical Results Ogden State 5H
- Table 2 – Summary of Soil Sample Laboratory Analytical Results

Attachments

- Attachment I – Karst, Wetland, and Soil Maps
- Attachment II – NMOCD Correspondence
- Attachment III – Site Photographs
- Attachment IV – Depth to Groundwater
- Attachment V – Field Data
- Attachment VI – Laboratory Analytical Reports
- Attachment VII – Boone Archaeological Consultants, LLC Archaeological Survey
- Attachment VIII – NMSLO Loamy Sites Seed Mixture
- Attachment IX – Waste Disposal Manifests



HUNGRY HORSE, LLC

The following *Remediation Summary and Closure Request* serves as a condensed update on field activities undertaken at the afore referenced Site.

Background:

The site is located in Unit Letter O (SW/SE), Section 2, Township 25 South, Range 26 East, approximately 7 miles Southeast of Whites City, in Eddy County, New Mexico. The property is located on New Mexico State Trust Land. Topographic Map, OSE POD Locations Map, and USGS Well Locations Map are included as Figure 1, Figure 2, and Figure 3, respectively.

The release occurred on an active well pad; Latitude 32.152079 North, Longitude 104.260939 West. The NMOCD Form C-141 indicated that on April 9, 2012, rain water caused steel drilling pits to overflow and wash out dirt berm on location. Fluids were removed from pits and dirt berm was rebuilt. Approximately 14 bbls of fluid was lost. Previously submitted NMOCD Form C-141 is available on the NMOCD Permitting Portal.

NMOCD Site Classification:

A search of the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) groundwater databases was completed in an effort to determine the horizontal distance to known water sources within a half mile radius of the Release Site. Approximate depth to groundwater was determined using maintained and published water well data. Karst mapping indicates the site is located in a Gypsum Karst designated area. Depth to groundwater information is provided as Attachment IV and the results are depicted on Figures 2 and 3.

No water wells were located within a half mile of the release area. Additionally, the site is located in a Gypsum Karst designated area, therefore the site will be remediated according to the strictest NMOCD Closure Criteria. Utilizing this information, the NMOCD Closure Criteria for the Site were determined as follows:

Depth to Groundwater	Constituent	Method	Limit
<50'	Chloride	EPA 300.0 or SM4500 CLB	600 mg/kg
	TPH (GRO + DRO + MRO)	EPA SW-846 Method 8015M Ext	100 mg/kg
	BTEX	EPA SW-846 Methods 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Methods 8021B or 8260B	10 mg/kg

A United States Department of Agriculture (USDA) Web Soil Survey was completed to determine soil types in the area of reclamation. Web Soil Survey indicates the area is located in the Reeves-Gypsum land complex comprised of loam and clay loam soils with 0 to 3 percent slopes. NMSLO Loamy sites seed mixture will be utilized for seeding the area after reclamation activities are complete. Karst, Wetland, and Soil Maps are provided as Attachment I.



Delineation and Remediation Activities:

On July 21, 2023, RT Hicks Consultants, Ltd. sampled the release area via auger boring. Soil samples SSA-1 through SSA-8 were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated contaminant concentrations were below the NMOCD Closure Criteria in each of the submitted samples, with the exception of SSA-3 at 0-2 and 2-4 feet bgs, SSA-4 at 0-2 feet bgs, SSA-6 at 0-2 feet bgs, and SSA8 at 0-2 feet bgs, which exhibited chloride concentrations in excess of the NMOCD Closure Criteria.

On May 11, 2024, Hungry Horse conducted delineation sampling of the release area. During delineation activities, sample test trenches were advanced within the release area in an effort to determine the vertical extent of contamination. These sample locations are identified by SP designation. In addition, sample test trenches were advanced along the outside edges of the release area in an effort to determine the horizontal extent of contamination. These sample locations are identified by HZ designation. During the advancement of the test trenches, soil samples were collected and field screened for the presence of chloride concentrations utilizing a Hach Quantab® chloride test kit.

Based on field observations and field test data noted above and provided in Attachment V, eighteen representative soil samples were selected for laboratory analysis. Delineation soil samples SP1 through SP5, HZ1 through HZ4, were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated contaminant concentrations were below the NMOCD Closure Criteria in each of the submitted samples, with the exception of SP2 and SP3, each at Surface, which exhibited chloride concentrations in excess of the NMOCD Closure Criteria.

From May 10 through 18, 2024, the release area was excavated. Excavated contaminated soil was temporarily stockpiled onsite, within the excavated area, before transport to an NMOCD approved disposal facility. On May 20, 2024, Hungry Horse, LLC notified NMOCD of closure samples collection on May 23, 2024, however, due to a scheduling conflict the sampling event was not conducted. On May 24, 2024, Hungry Horse, LLC re-notified NMOCD of closure samples collection on May 29, 2024. Correspondence is provided as Attachment II.

On May 29, 2024, thirty composite confirmation soil samples were collected from the excavation floor and sidewalls, with each sample representing no more than 200 square feet. Soil samples FL1 through FL19 and SW1 through SW11, were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated contaminant concentrations were below the NMOCD Closure Criteria in each of the submitted samples.

On July 24, 2024, samples of the caliche and topsoil utilized for backfill were collected and submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated contaminant concentrations were below the NMOCD Closure Criteria in each of the submitted samples.



The affected area measured approximately three thousand eight hundred square feet, ranging from four to six feet in depth. During remediation activities contaminated soil was excavated and hauled to an NMOCD approved disposal facility. Disposal manifests are provided as Attachment IX.

A Delineation Sample Map and Excavation Sample Map are provided as Figure 4 and Figure 5, respectively. Analytical Results Ogden State 5H are provided as Table 1, and A Summary of Soil Sample Laboratory Analytical Results are provided as Table 2. Laboratory Analytical Reports are provided as Attachment VI.

Cultural Properties Protection Compliance:

Archaeological Survey, NMCRIS Activity Number 155264, was completed on April 1, 2024. No cultural resources eligible for listing to the National Register of Historic Places were found within the survey area. No cultural materials were encountered during the remediation activities. The report, indicating negative findings is provided as Attachment VII.

Restoration, Reclamation, and Re-Vegetation:

As the area is not reasonably needed for production operations, the area was reclaimed according to 19.15.29.13 NMAC. Based upon laboratory analytical results from confirmation soil samples, the excavation was backfilled with locally sourced, clean, non-impacted soil. The soil cover included a top layer, one and one half to two feet deep, backfilled with locally sourced, clean, non-impacted topsoil to provide suitable material to establish vegetative growth. The area was then contoured the site's existing grade to prevent ponding of water and erosion of the cover material.

The affected area was scarified and seeded, via hand broadcast at double the recommended rate, with NMSLO approved Loamy sites seed mixture, free of noxious weeds, on July 11, 2024. The reclaimed areas have been watered to aid in seed germination. A re-vegetation report will be submitted for approval when uniform vegetative cover has been established that reflects a life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds. NMSLO approved Loamy sites seed mix is provided as Attachment VIII.

Closure Request:

Remediation activities were conducted in accordance with applicable NMOCD Regulations. Soil affected above the NMOCD Closure Criteria has been excavated and hauled to an NMOCD approved facility for disposal. Laboratory analytical results from composite confirmation samples indicate concentrations of BTEX, TPH, and chloride are below the NMOCD Closure Criteria.

Based on laboratory analytical results, Murchison Oil & Gas, LLC respectfully requests closure of the Ogden State 5H location, NMLB1211627407.



Limitations:

Hungry Horse, LLC, has prepared this *Remediation Summary and Closure Request* to the best of its ability. No other warranty, expressed or implied, is made or intended. Hungry Horse has examined and relied upon documents referenced in the report and on oral statements made by certain individuals. Hungry Horse has not conducted an independent examination of the facts contained in referenced materials and statements. Hungry Horse has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. Hungry Horse notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.



Distribution:

Murchison Oil & Gas

5325 Sierra Vista
Carlsbad, NM 88230

New Mexico Energy, Minerals and Natural Resources Department

Oil Conservation Division, District 2
811 S. First St.
Artesia, NM 88210

New Mexico State Land Office

602 N. Canal. Suite B
Carlsbad, NM 88220

Figures

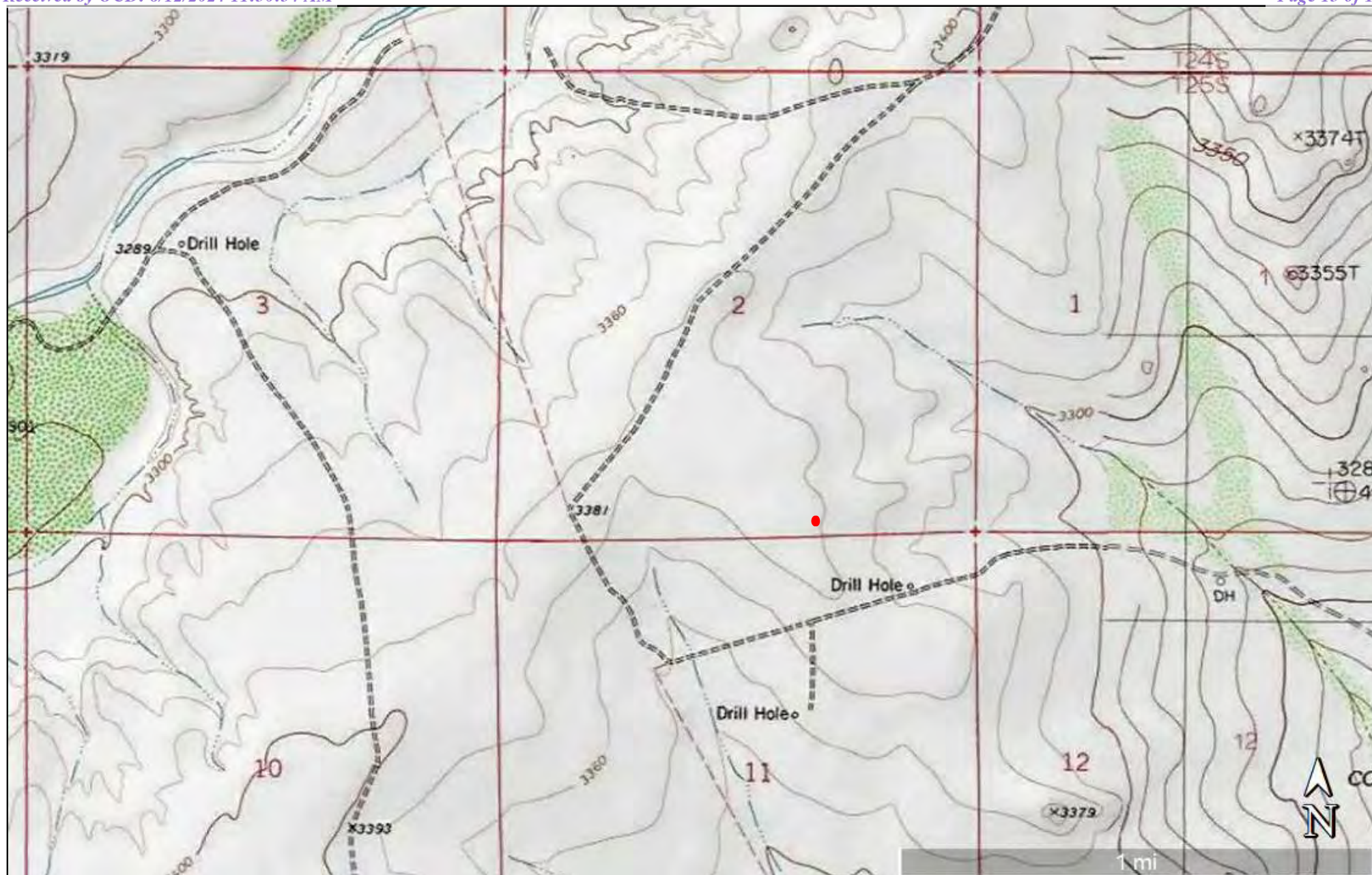


Figure 1

Topographic Map
Murchison Oil & Gas
Ogden State 5H
GPS: 32.152079, -104.260939
Eddy County

Legend:

● Ogden State 5H Location

Drafted: dd
Checked: bw
Date: 4/2/24



**Figure 2**

OSE POD Locations Map
Murchison Oil & Gas
Ogden State 5H
GPS: 32.152079, -104.260939
Eddy County

Legend:

● Ogden State 5H Location

Drafted: dd
Checked: bw
Date: 4/2/24



**Figure 3**

USGS Well Locations Map
Murchison Oil & Gas
Ogden State 5H
GPS: 32.152079, -104.260939
Eddy County

Legend:

● Ogden State 5H Location

Drafted: dd
Checked: bw
Date: 4/2/24



**Figure 4**

Delineation Sample Map
 Murchison Oil & Gas
 Ogden State 5H
 GPS: 32.152079, -104.260939
 Eddy County

Legend:

- Excavation Area
- SP1 Vertical Delineation Sample Location
- HZ1 Horizontal Delineation Sample Location
- SSA-1 RT Hicks Consultants, Ltd. 2023 Auger Boring Locations

Drafted: dd
 Checked: bw
 Date: 5/10/24



**Figure 5**

Excavation Sample Map

Murchison Oil & Gas

Ogden State 5H

GPS: 32.152079, -104.260939

Eddy County

Legend:

- Excavated Area
- 200 Square Foot Sample Areas
- FL1 Composite Confirmation Sample Location

Drafted: dd
 Checked: bw
 Date: 5/28/24



Tables

Table 1 Analytical Results
Ogden State 5H

sampleID	date_cld	matrix	discDepth_fbg	topDepth_fbg	botDepth_fbg	Cl_mg/kg 20,000	GRO_mg/kg	DRO_mg/kg	MRO_mg/kg	GRO+DRO 1,000	TPH_mg/kg 2500	Benz_mg/kg 10	BTEX_mg/kg 50
SSA - 01	7/21/2023	soil		0	2	128	ND	ND	ND	ND	ND	ND	ND
SSA- 01	7/21/2023	soil		2	4	48	ND	ND	ND	ND	ND	ND	ND
SSA - 01	7/21/2023	soil	4.5			304	ND	ND	ND	ND	ND	ND	ND
SSA-02	7/21/2023	soil		0	2	32	ND	ND	ND	ND	ND	ND	ND
SSA-02	7/21/2023	soil		2	4	32	ND	ND	ND	ND	ND	ND	ND
SSA-02	7/21/2023	soil	4.5			80	ND	ND	ND	ND	ND	ND	ND
SSA-03	7/21/2023	soil		0	2	976	ND	ND	ND	ND	ND	ND	ND
SSA-03	7/21/2023	soil		2	4	1040	ND	ND	ND	ND	ND	ND	ND
SSA-03	7/21/2023	soil	4.5			368	ND	ND	ND	ND	ND	ND	ND
SSA-04	7/21/2023	soil		0	2	912	ND	ND	ND	ND	ND	ND	ND
SSA-04	7/21/2023	soil		2	4	192	ND	ND	ND	ND	ND	ND	ND
SSA-04	7/21/2023	soil	4.5			336	ND	ND	ND	ND	ND	ND	ND
SSA-05	7/21/2023	soil		0	2	400	ND	ND	ND	ND	ND	ND	ND
SSA-05	7/21/2023	soil		2	4	448	ND	ND	ND	ND	ND	ND	ND
SSA-05	7/21/2023	soil	4.5			400	ND	ND	ND	ND	ND	ND	ND
SSA-06	7/21/2023	soil		0	2	1170	ND	ND	ND	ND	ND	ND	ND
SSA-06	7/21/2023	soil		2	4	469	ND	ND	ND	ND	ND	ND	ND
SSA-06	7/21/2023	soil	4.5			352	ND	ND	ND	ND	ND	ND	ND
SSA-07	7/21/2023	soil		0	2	208	ND	ND	ND	ND	ND	ND	ND
SSA-07	7/21/2023	soil		2	4	288	ND	ND	ND	ND	ND	ND	ND
SSA-07	7/21/2023	soil	4.5			240	ND	ND	ND	ND	ND	ND	ND
SSA-8	7/21/2023	soil		0	2	736	ND	ND	ND	ND	ND	ND	ND
SSA-8	7/21/2023	soil		2	4	256	ND	ND	ND	ND	ND	ND	ND
SSA-8	7/21/2023	soil	4.5			256	ND	ND	ND	ND	ND	ND	ND

TABLE 2
Summary of Soil Sample Laboratory Analytical Results
Murchison Oil & Gas
Ogden State 5H
NMOCD Ref. #: NMLB1211627407

Sample ID	Date	Depth (ft)	Soil Status	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 ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
SP1	5/11/24	Surf	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	5/11/24	4	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SP2	5/11/24	Surf	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	37,600
	5/11/24	5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
SP3	5/11/24	Surf	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	960
	5/11/24	6	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
SP4	5/11/24	Surf	Excavated	<0.050	1.00	<10.0	<10.0	<20.0	<10.0	<30.0	416
	5/11/24	4	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	464
SP5	5/11/24	Surf	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
	5/11/24	4	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
HZ1	5/11/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
	5/11/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
HZ2	5/11/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
	5/11/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
HZ3	5/11/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
	5/11/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	576
HZ4	5/11/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
	5/11/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
NMOCD Closure Criteria				10	50	-	-	N/A	-	100	600

NOTES:

- = Sample not analyzed for that constituent.

Bold text denotes a concentration that exceeds the NMOCD Closure Criteria

TABLE 2
Summary of Soil Sample Laboratory Analytical Results
Murchison Oil & Gas
Ogden State 5H
NMOCD Ref. #: NMLB1211627407

Sample ID	Date	Depth (ft)	Soil Status	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 ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
FL1	5/29/24	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL2	5/29/24	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL3	5/29/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL4	5/29/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL5	5/29/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL6	5/29/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL7	5/29/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL8	5/29/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL9	5/29/24	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL10	5/29/24	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL11	5/29/24	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL12	5/29/24	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL13	5/29/24	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL14	5/29/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL15	5/29/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL16	5/29/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL17	5/29/24	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL18	5/29/24	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL19	5/29/24	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW1	5/29/24	0-6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW2	5/29/24	0-6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW3	5/29/24	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW4	5/29/24	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW5	5/29/24	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW6	5/29/24	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW7	5/29/24	0-6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW8	5/29/24	0-6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW9	5/29/24	0-4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW10	5/29/24	0-4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW11	5/29/24	0-6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
Topsoil	7/24/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
Caliche	7/24/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
NMOCD Closure Criteria				10	50	-	-	N/A	-	100	600

NOTES:

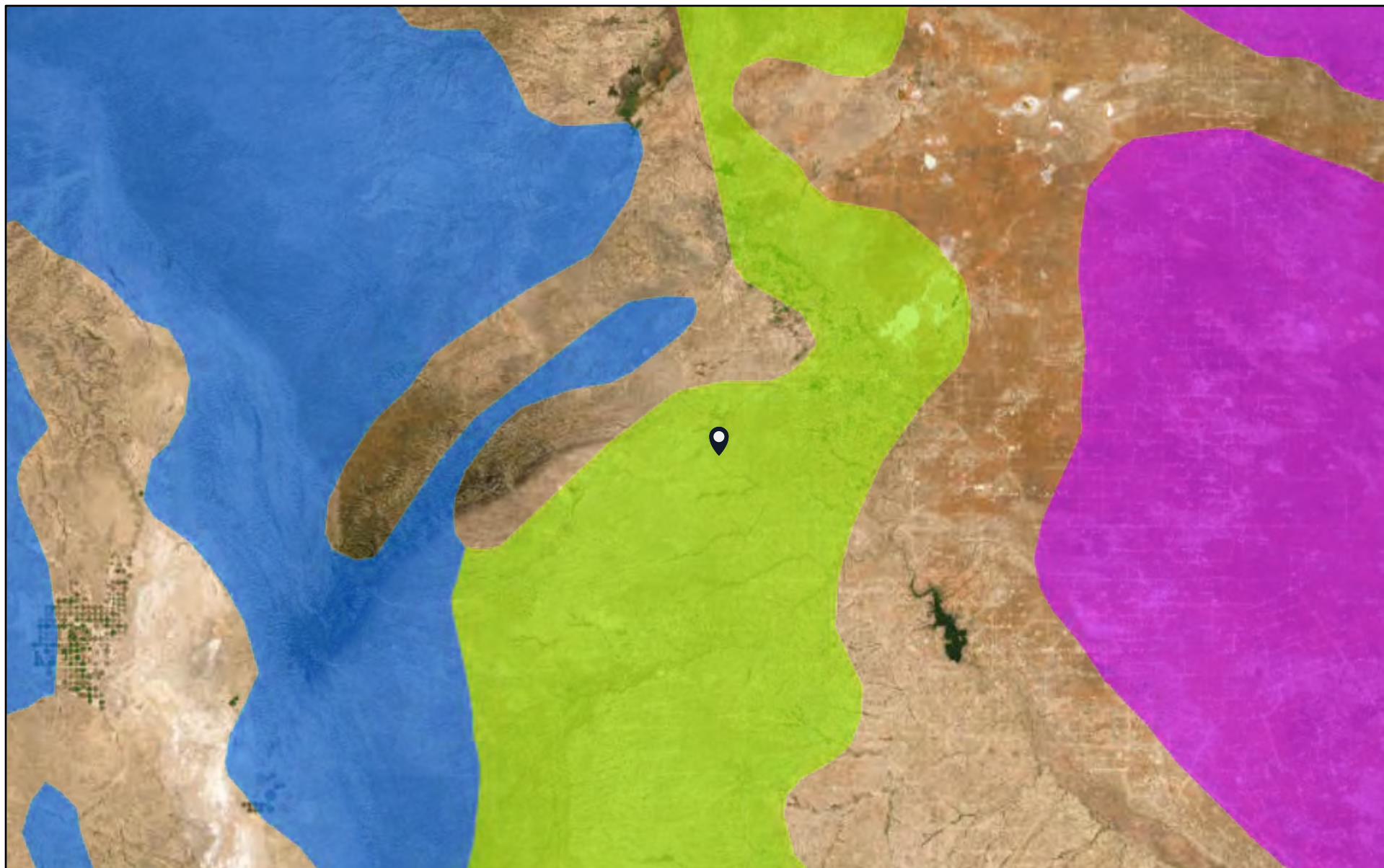
- = Sample not analyzed for that constituent.

Bold text denotes a concentration that exceeds the NMOCD Closure Criteria

Attachment I

Karst, Wetland, and Soil Maps

Ogden State 5H



4/15/2024

Karst Type

- Carbonate
- Erosional
- Gypsum



Volcanic

World Imagery

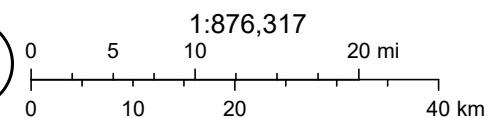
Low Resolution 15m Imagery

High Resolution 60cm Imagery

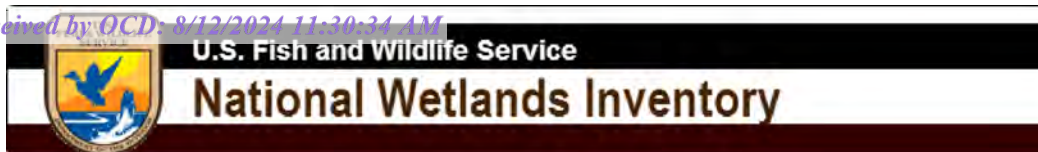
High Resolution 30cm Imagery

Citations

150m Resolution Metadata



U.S. Geological Survey Open-File Report 2004-1352, Caves and Karst in the U.S. National Park Service, AGI Karst Map of the US., Earthstar Geographics



Ogden State 5H



April 15, 2024

Wetlands

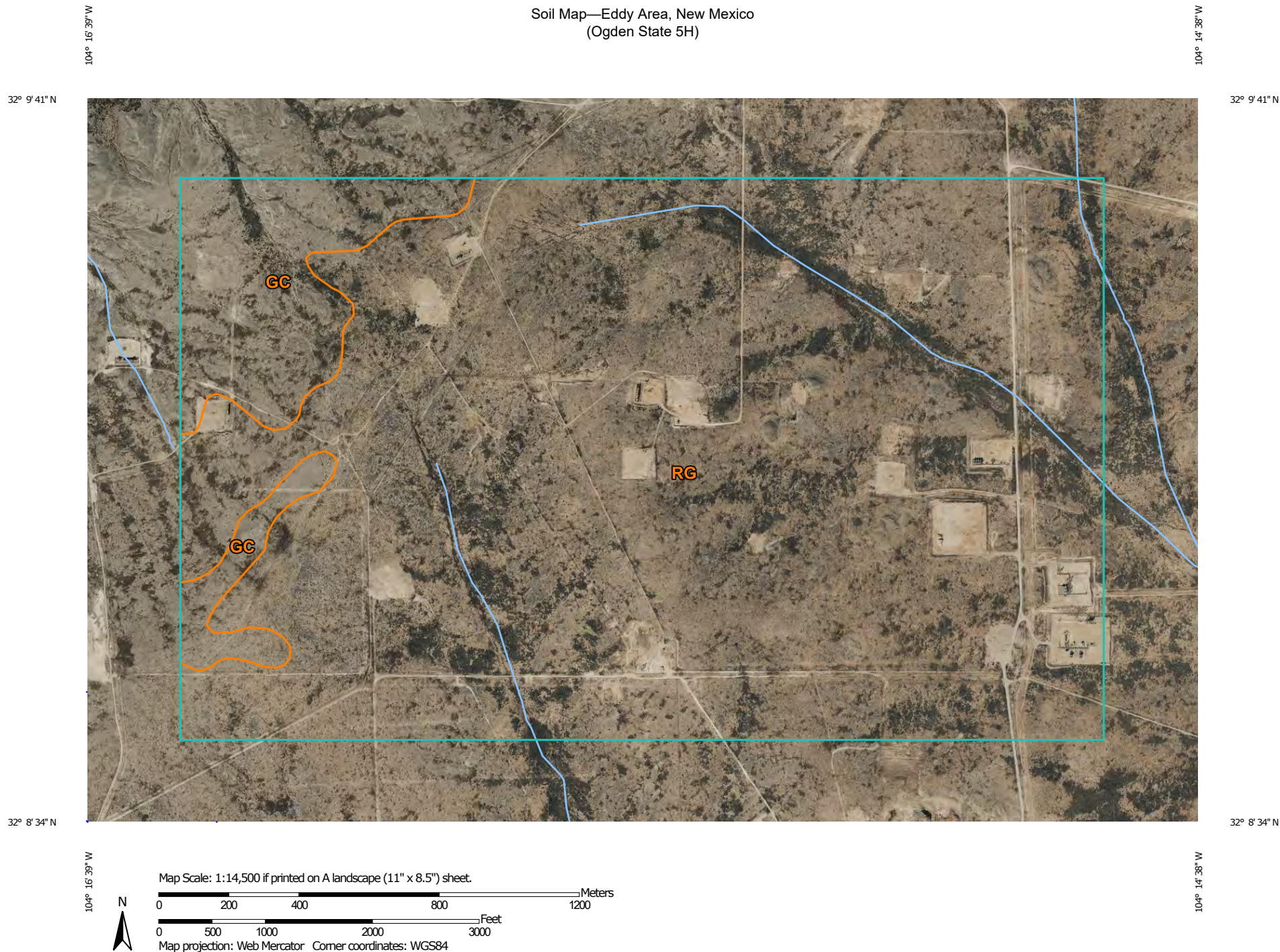
- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

Soil Map—Eddy Area, New Mexico
(Ogden State 5H)



Natural Resources
Conservation Service


Web Soil Survey
National Cooperative Soil Survey

4/15/2024
Page 1 of 3


Soil Map—Eddy Area, New Mexico
(Ogden State 5H)

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 19, Sep 7, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Nov 12, 2022—Dec 2, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
GC	Gypsum land-Cottonwood complex, 0 to 3 percent slopes	106.9	10.2%
RG	Reeves-Gypsum land complex, 0 to 3 percent slopes	940.5	89.8%
Totals for Area of Interest		1,047.4	100.0%

Map Unit Description: Reeves-Gypsum land complex, 0 to 3 percent slopes---Eddy Area, New Mexico

Ogden State 5H

Eddy Area, New Mexico

RG—Reeves-Gypsum land complex, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w5f

Elevation: 1,250 to 5,000 feet

Mean annual precipitation: 10 to 25 inches

Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 190 to 235 days

Farmland classification: Not prime farmland

Map Unit Composition

Reeves and similar soils: 55 percent

Gypsum land: 30 percent

Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Reeves

Setting

Landform: Ridges, plains, hills

Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope

Landform position (three-dimensional): Side slope, head slope, nose slope, crest

Down-slope shape: Convex

Across-slope shape: Linear

Parent material: Residuum weathered from gypsum

Typical profile

H1 - 0 to 8 inches: loam

H2 - 8 to 32 inches: clay loam

H3 - 32 to 60 inches: gypsiferous material

Properties and qualities

Slope: 0 to 1 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: High

Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 25 percent

Gypsum, maximum content: 80 percent

Maximum salinity: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)

Sodium adsorption ratio, maximum: 4.0

Available water supply, 0 to 60 inches: Low (about 4.3 inches)

Map Unit Description: Reeves-Gypsum land complex, 0 to 3 percent slopes---Eddy Area, New Mexico

Ogden State 5H

Interpretive groups

Land capability classification (irrigated): 3s

Land capability classification (nonirrigated): 7s

Hydrologic Soil Group: B

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Description of Gypsum Land

Setting

Landform: Ridges, plains, hills

Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope

Landform position (three-dimensional): Side slope, head slope, nose slope, crest

Down-slope shape: Convex

Across-slope shape: Linear

Parent material: Residuum weathered from gypsum

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 8s

Hydric soil rating: No

Minor Components

Reagan

Percent of map unit: 5 percent

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Largo

Percent of map unit: 5 percent

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Cottonwood

Percent of map unit: 5 percent

Ecological site: R070BC033NM - Salty Bottomland

Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 19, Sep 7, 2023

Attachment II

NMOCD Correspondence

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 345836

QUESTIONS

Operator: Murchison Oil and Gas, LLC 7250 Dallas Parkway Plano, TX 75024	OGRID: 15363
	Action Number: 345836
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nMLB1211627407
Incident Name	NMLB1211627407 OGDEN STATE #005H @ 30-015-39993
Incident Type	Release Other
Incident Status	Remediation Plan Approved
Incident Well	[30-015-39993] OGDEN STATE #005H

Location of Release Source	
Site Name	OGDEN STATE #005H
Date Release Discovered	04/09/2012
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	3,800
What is the estimated number of samples that will be gathered	30
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/23/2024
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Jerry Heidelberg, 575-390-3639
Please provide any information necessary for navigation to sampling site	32.151700, -104.260410

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 345836

CONDITIONS

Operator: Murchison Oil and Gas, LLC 7250 Dallas Parkway Plano, TX 75024	OGRID: 15363
	Action Number: 345836
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
ccottrell	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	5/20/2024

District I1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720**District II**811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720**District III**1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170**District IV**1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 347689

QUESTIONS

Operator: Murchison Oil and Gas, LLC 7250 Dallas Parkway Plano, TX 75024	OGRID: 15363
	Action Number: 347689
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nMLB1211627407
Incident Name	NMLB1211627407 OGDEN STATE #005H @ 30-015-39993
Incident Type	Release Other
Incident Status	Remediation Plan Approved
Incident Well	[30-015-39993] OGDEN STATE #005H

Location of Release Source	
Site Name	OGDEN STATE #005H
Date Release Discovered	04/09/2012
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	3,800
What is the estimated number of samples that will be gathered	30
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/29/2024
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Jerry Heidelberg, 575-390-3639
Please provide any information necessary for navigation to sampling site	32.151700, -104.260410

District I
1625 N. French Dr., Hobbs, NM 88240
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Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
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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

CONDITIONS

Action 347689

CONDITIONS

Operator: Murchison Oil and Gas, LLC 7250 Dallas Parkway Plano, TX 75024	OGRID: 15363
	Action Number: 347689
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
ccottrell	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	5/24/2024

Cindy Cottrell

From: Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>
Sent: Tuesday, April 30, 2024 12:03 PM
To: Cindy Cottrell
Cc: Greg Boans; Daniel Dominguez; Smith, Cory, EMNRD; Romero, Rosa, EMNRD; Powell, Brandon, EMNRD; Moander, Chris, EMNRD; Bratcher, Michael, EMNRD
Subject: RE: [EXTERNAL] Ogden (nMLB1211627407 & nAB1902343484) Off-Site Disposal - Change to Out-of-State

Thanks Cindy

Thank you,
Brittany Hall ● Environmental Specialist
Environmental Bureau Projects Group
EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87110
505.517.5333 | Brittany.Hall@emnrd.nm.gov
<http://www.emnrd.nm.gov/ocd/>

Please be advised that the new Digital C-141 is live as of December 1, 2023. Please review the new Digital C-141 submission Dec 1, 2023 Guidance document posted on the EMNRD Website prior to submitting any C-141s. The guidance documents can be found at <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/> or <https://www.emnrd.nm.gov/ocd/ocd-forms/>.

From: Cindy Cottrell <ccottrell@jdmii.com>
Sent: Tuesday, April 30, 2024 8:30 AM
To: Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>
Cc: Greg Boans <gboans@jdmii.com>; Daniel Dominguez <ddominguez@hungry-horse.com>; Smith, Cory, EMNRD <cory.smith@emnrd.nm.gov>; Romero, Rosa, EMNRD <RosaM.Romero@emnrd.nm.gov>; Powell, Brandon, EMNRD <Brandon.Powell@emnrd.nm.gov>; Moander, Chris, EMNRD <Chris.Moander@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Ogden (nMLB1211627407 & nAB1902343484) Off-Site Disposal - Change to Out-of-State

Here's the address:

R360 – Red Bluff Facility
5053 US Highway 285 N
Orla, TX 79770

Thanks for the quick response!

From: Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>
Sent: Tuesday, April 30, 2024 9:02 AM
To: Cindy Cottrell <ccottrell@jdmii.com>
Cc: Greg Boans <gboans@jdmii.com>; Daniel Dominguez <ddominguez@hungry-horse.com>; Smith, Cory, EMNRD <cory.smith@emnrd.nm.gov>; Romero, Rosa, EMNRD <RosaM.Romero@emnrd.nm.gov>; Powell, Brandon, EMNRD <Brandon.Powell@emnrd.nm.gov>; Moander, Chris, EMNRD <Chris.Moander@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Ogden (nMLB1211627407 & nAB1902343484) Off-Site Disposal - Change to Out-of-State

Cindy,

What is the name and address of R360's location in Orla, Texas?

The closure reports will need to include the final version of Texas's equivalent of the C-138 (Request for Approval to Accept Solid Waste) OR a copy of all the final haul tickets/waste manifests. Also include a copy of this email in the closure reports.

When the closure reports are submitted, the remediation plan section of the C-141 will be automatically imported into the application. The disposal facility under the remediation plan will need to be updated to the new disposal facility at the time of the closure report submittal.

Thank you,

Brittany Hall ● Environmental Specialist
Environmental Bureau Projects Group
EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87110
505.517.5333 | Brittany.Hall@emnrd.nm.gov
<http://www.emnrd.nm.gov/ocd/>

Please be advised that the new Digital C-141 is live as of December 1, 2023. Please review the new Digital C-141 submission Dec 1, 2023 Guidance document posted on the EMNRD Website prior to submitting any C-141s. The guidance documents can be found at <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/> or <https://www.emnrd.nm.gov/ocd/ocd-forms/>.

From: Cindy Cottrell <ccottrell@jdmii.com>
Sent: Tuesday, April 30, 2024 7:35 AM
To: Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>
Cc: Greg Boans <gboans@jdmii.com>; Daniel Dominguez <ddominguez@hungry-horse.com>
Subject: [EXTERNAL] Ogden (nMLB1211627407 & nAB1902343484) Off-Site Disposal - Change to Out-of-State
Importance: High

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good Morning,

We would like to change the off-site disposal from **R360 fEEM0112340644** located in Maljamar, Lea County, NM to R360's location in Orla, TX.

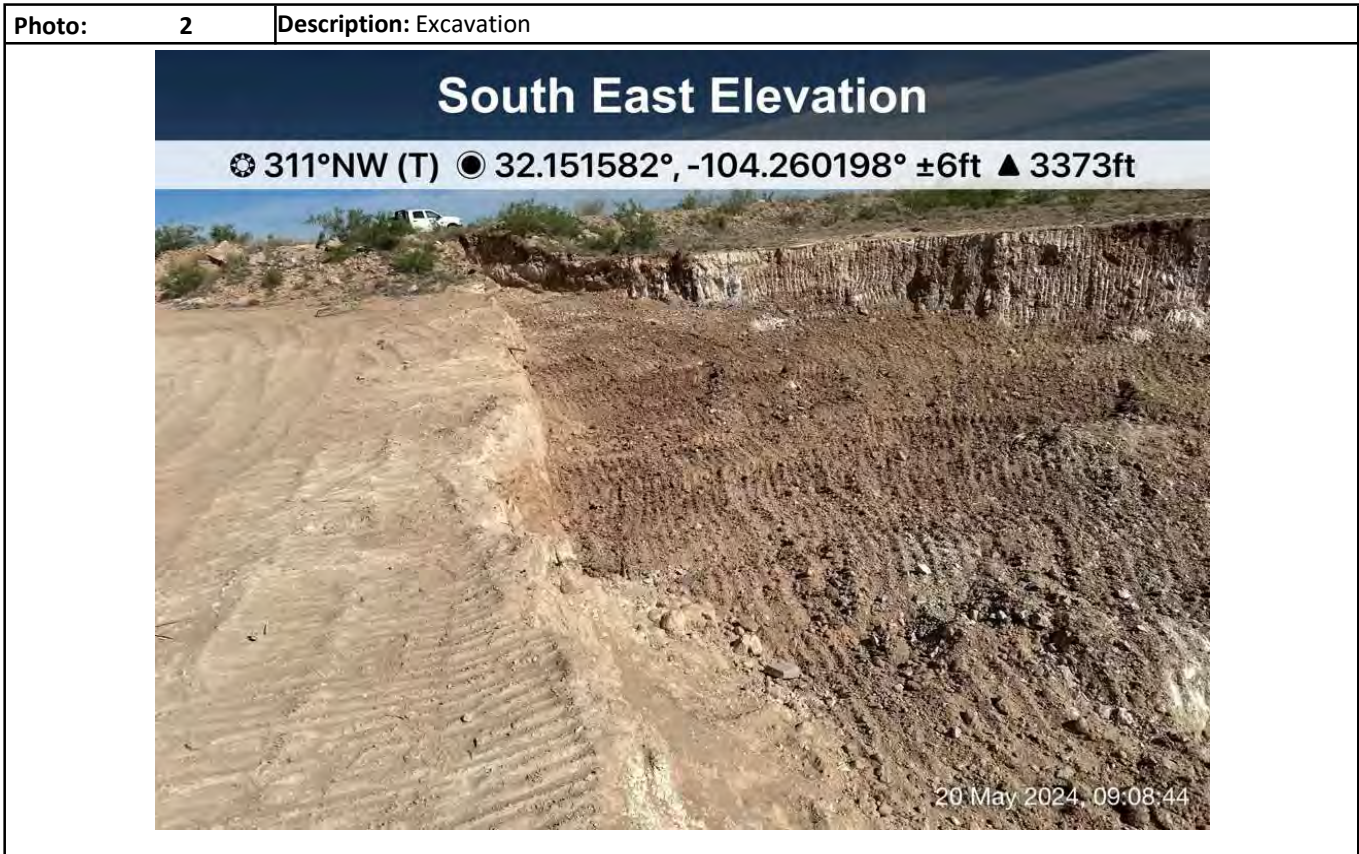
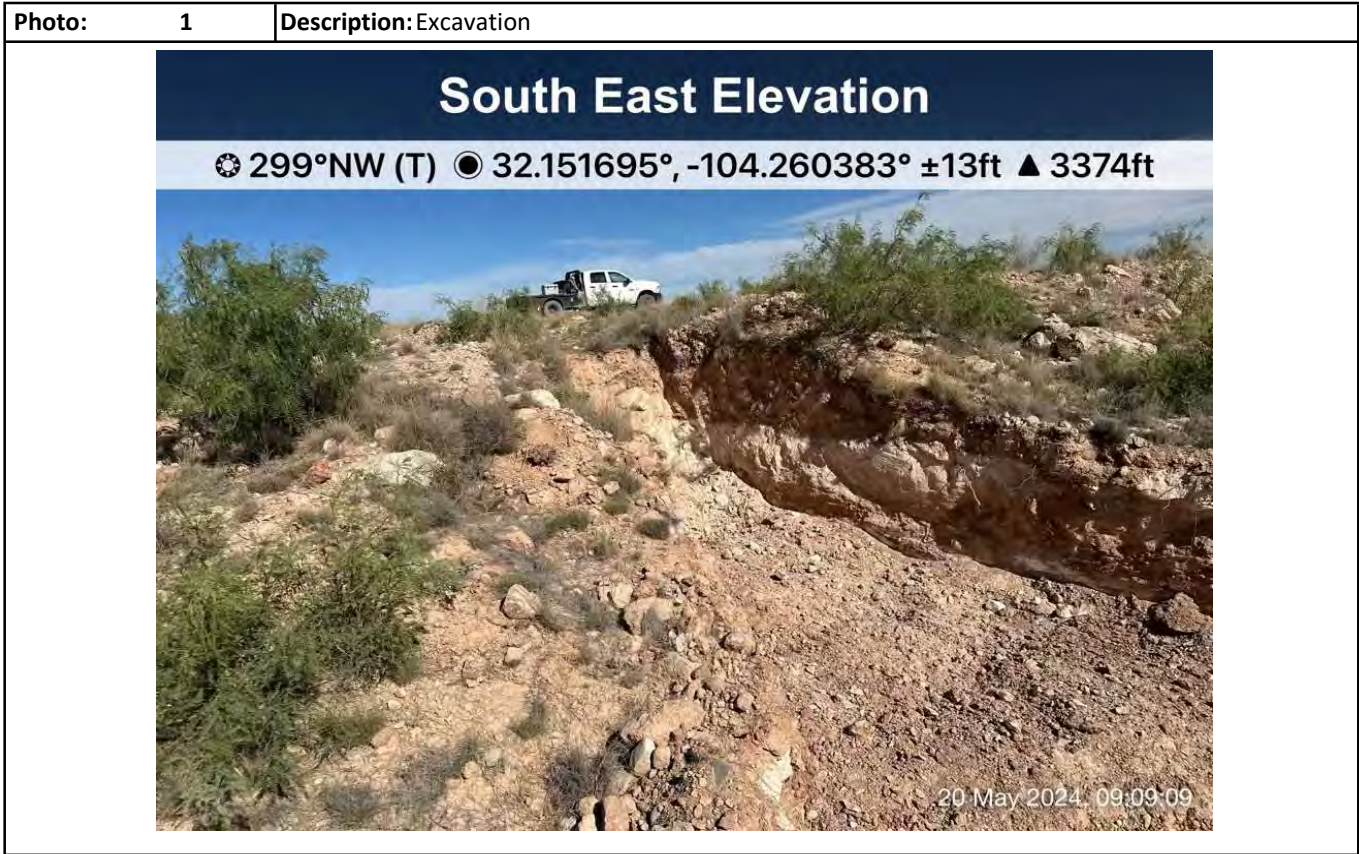
They will be ready to start hauling dirt today or tomorrow. What do you need in order to give us permission to make this change?



Cindy Cottrell
Regulatory Coordinator & Corporate Secretary
7250 Dallas Parkway, Suite 1400
Plano, TX 75024
Direct Line: 469-573-6413

Attachment III Site Photographs

Photographs



Photographs

Photo:	3	Description: Excavation
--------	---	-------------------------

South West Elevation

☀ 65°NE (T) ● 32.151688°, -104.260375° ±13ft ▲ 3374ft



20 May 2024, 09:09:14

Photo:	4	Description: Excavation
--------	---	-------------------------

West Elevation

☀ 102°E (T) ● 32.151688°, -104.260378° ±13ft ▲ 3374ft



20 May 2024, 09:09:16

Photographs

Photo:	5	Description: Caliche backfill completed leaving one and one half to two feet for top layer of topsoil.
<div><div>South Elevation</div><div>☉ 338°N (T) ● 32.151645°, -104.260280° ±13ft ▲ 3386ft</div><div>14 Jun 2024, 11:04:22</div></div>		

Photo:	6	Description: Caliche backfill completed leaving one and one half to two feet for top layer of topsoil.
<div><div>South West Elevation</div><div>☉ 26°NE (T) ● 32.151642°, -104.260286° ±13ft ▲ 3384ft</div><div>14 Jun 2024, 11:04:24</div></div>		

Photographs

Photo: 7	Description: Caliche backfill completed leaving one and one half to two feet for top layer of topsoil.
----------	--

West Elevation

☼ 93°E (T) ● 32.151642°, -104.260280° ±13ft ▲ 3382ft



14 Jun 2024, 11:04:26

Photo: 8	Description: Backfilling top layer with topsoil. Topsoil is slightly darker than caliche.
----------	---

Compass and Scale

E 150 S 180 SW 210 240 W 270 300 NW

☼ 230°SW (T) ● 32.151502°, -104.260144° ±13ft ▲ 3379ft



15 Jun 2024, 11:19:20

Photographs



Photographs



Photographs



Photographs

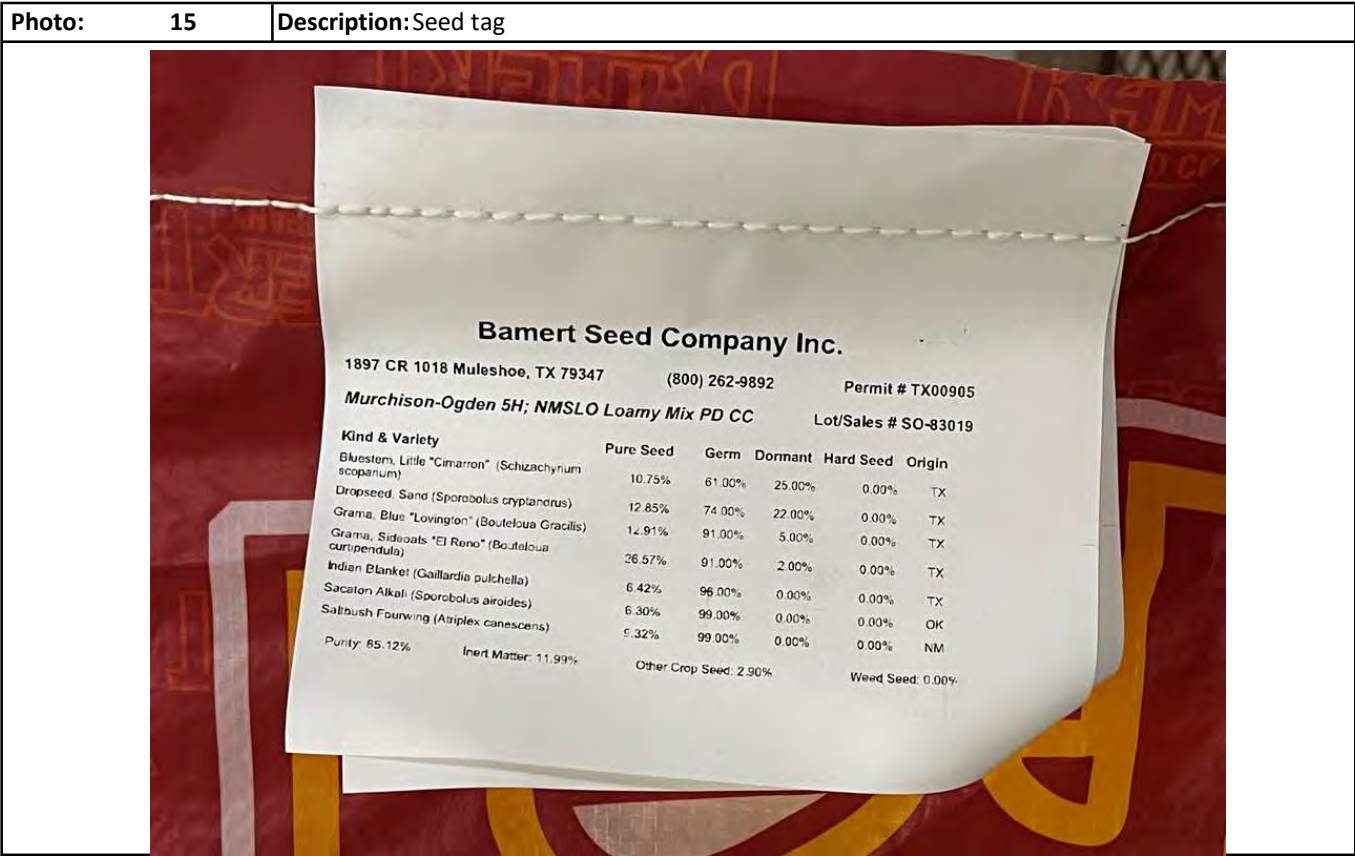


Photo: 16

Description: Area scarified, seeded, and watered

Attachment IV

Depth to Groundwater

New Mexico Office of the State Engineer

Wells with Well Log Information

No wells found.

UTMNAD83 Radius Search (in meters):

Easting (X): 569694.89 Northing (Y): 3557537.17 Radius: 805

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

Attachment V

Field Data

Hungry Horse, LLC

Sample Log

Project: Ogden State 5H

Date:

5/11/24

Karst Yes Water >100'

GPS: 32.152079, -104.260939

Standard TPH 100mg/kg, Chloride 600mg/kg

Sampler: Jerry Heidelberg B. Wells

Sample ID	Depth	PID/Odor	Chloride	GPS
H21	surf 1'	NO NO	3.2 = 903 x 4 = 412 3.0 = 92 x 4 = 368	
H22	surf 1'	NO NO	3.0 = 92 x 4 = 368 3.0 = 92 x 4 = 368	
H23	surf 1'	NO NO	3.0 = 92 x 4 = 368 3.6 = 125 x 4 = 500	
H24	surf 1'	NO NO	3.4 = 114 x 4 = 456 3.2 = 103 x 4 = 412	
Sp1	surf 1' 2' 3' 4'	NO NO NO NO	L2b 5.0 = 227 x 4 = 908 5.4 = 264 x 4 = 1056 4.8 = 210 x 4 = 840 2.6 = 73 x 4 = 292	
Sp2	surf 1' 2' 3' 4' 5'	NO NO NO NO NO	L2b 5.0 = 227 x 4 = 908 4.8 = 210 x 4 = 840 4.8 = 210 x 4 = 840 3.8 = 138 x 4 = 552 3.4 = 114 x 4 = 456	

Sample Point = SP1 @ ## etc

Horizontal = HZ1 etc

Test Trench = TT1 @ ##

Floor = FL1 etc

Refusal = SP1 @ 4'-R

Resamples = SP1b @ 5' or SW #1b

Sidewall = SW1 etc

GPS Sample Points, Center of Comp Areas

Stockpile = Stockpile #1

Hungry Horse, LLC

Sample Log

Project: Ogden State 5H

Date:

5/11/24

Karst Yes Water >100'

GPS: 32.152079, -104.260939

Standard TPH 100mg/kg, Chloride 600mg/kg

Sampler: Jerry Heidelberg

B. Wells

Sample ID	Depth	PID/Odor	Chloride	GPS
Sp3	Surf	NO	Lab	
	1'	NO	5.8 = 305 x 4 = 1220	
	2'	NO	4.8 = 210 x 4 = 840	
	3'	NO	3.8 = 138 x 4 = 552	
	4'	NO	4.0 = 151 x 4 = 604	
	5'	NO	3.8 = 138 x 4 = 552	
	6'	NO	3.6 = 125 x 4 = 500	
Sp4	Surf	NO	Lab	
	1'	NO	3.8 = 138 x 4 = 552	
	2'	NO	3.8 = 138 x 4 = 552	
	3'	NO	3.4 = 114 x 4 = 456	
	4'	NO	3.4 = 114 x 4 = 456	
Sp5	Surf	NO	Lab	
	1'	NO	5.6 = 284 x 4 = 1136	
	2'	NO	4.6 = 194 x 4 = 776	
	3'	NO	4.6 = 194 x 4 = 776	
	4'	NO	3.6 = 125 x 4 = 500	

Sample Point = SP1 @ ## etc

Horizontal = HZ1 etc

Test Trench = TT1 @ ##

Floor = FL1 etc

Refusal = SP1 @ 4'-R

Resamples = SP1b @ 5' or SW #1b

Sidewall = SW1 etc

GPS Sample Points, Center of Comp Areas

Stockpile = Stockpile #1

Attachment VI

Laboratory Analytical Reports



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

July 28, 2023

KRISTIN POPE

R T HICKS CONSULTANTS

901 RIO GRANDE BLVD SUITE F-142

ALBUQUERQUE, NM 87104

RE: OGDEN 5 H RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 07/21/23 14:52.

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.

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 written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 07/21/2023
Reported: 07/28/2023
Project Name: OGDEN 5 H RELEASE
Project Number: NONE GIVEN
Project Location: MURCHISON

Sampling Date: 07/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SSA - 1 @ 0-2 FT (H233831-01)

BTEX 8021B		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/27/2023	ND	1.95	97.5	2.00	0.530	
Toluene*	<0.050	0.050	07/27/2023	ND	2.20	110	2.00	6.38	
Ethylbenzene*	<0.050	0.050	07/27/2023	ND	2.25	113	2.00	8.69	
Total Xylenes*	<0.150	0.150	07/27/2023	ND	6.88	115	6.00	10.3	
Total BTEX	<0.300	0.300	07/27/2023	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	128	16.0	07/26/2023	ND	432	108	400	3.77	

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	07/26/2023	ND	172	86.2	200	0.187	
DRO >C10-C28*	<10.0	10.0	07/26/2023	ND	177	88.4	200	1.20	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 97.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

Cardinal Laboratories

*=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:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 07/21/2023
Reported: 07/28/2023
Project Name: OGDEN 5 H RELEASE
Project Number: NONE GIVEN
Project Location: MURCHISON

Sampling Date: 07/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SSA - 1 @ 2-4 FT (H233831-02)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/27/2023	ND	1.95	97.5	2.00	0.530		
Toluene*	<0.050	0.050	07/27/2023	ND	2.20	110	2.00	6.38		
Ethylbenzene*	<0.050	0.050	07/27/2023	ND	2.25	113	2.00	8.69		
Total Xylenes*	<0.150	0.150	07/27/2023	ND	6.88	115	6.00	10.3		
Total BTX	<0.300	0.300	07/27/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 125 % 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	48.0	16.0	07/26/2023	ND	432	108	400	3.77		

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	07/26/2023	ND	172	86.2	200	0.187	
DRO >C10-C28*	<10.0	10.0	07/26/2023	ND	177	88.4	200	1.20	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 95.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

Cardinal Laboratories

*=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:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 07/21/2023
Reported: 07/28/2023
Project Name: OGDEN 5 H RELEASE
Project Number: NONE GIVEN
Project Location: MURCHISON

Sampling Date: 07/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SSA - 1 @ 4.5 FT (H233831-03)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/28/2023	ND	2.13	106	2.00	2.07		
Toluene*	<0.050	0.050	07/28/2023	ND	2.07	104	2.00	1.15		
Ethylbenzene*	<0.050	0.050	07/28/2023	ND	1.99	99.4	2.00	1.45		
Total Xylenes*	<0.150	0.150	07/28/2023	ND	6.00	100	6.00	0.764		
Total BTX	<0.300	0.300	07/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	304	16.0	07/26/2023	ND	432	108	400	3.77		

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	07/26/2023	ND	172	86.2	200	0.187	
DRO >C10-C28*	<10.0	10.0	07/26/2023	ND	177	88.4	200	1.20	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 97.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

Cardinal Laboratories

*=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:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 07/21/2023
Reported: 07/28/2023
Project Name: OGDEN 5 H RELEASE
Project Number: NONE GIVEN
Project Location: MURCHISON

Sampling Date: 07/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SSA - 2 @ 0-2 FT (H233831-04)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/28/2023	ND	2.13	106	2.00	2.07		
Toluene*	<0.050	0.050	07/28/2023	ND	2.07	104	2.00	1.15		
Ethylbenzene*	<0.050	0.050	07/28/2023	ND	1.99	99.4	2.00	1.45		
Total Xylenes*	<0.150	0.150	07/28/2023	ND	6.00	100	6.00	0.764		
Total BTEX	<0.300	0.300	07/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 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	32.0	16.0	07/26/2023	ND	432	108	400	3.77		

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	07/26/2023	ND	172	86.2	200	0.187	
DRO >C10-C28*	<10.0	10.0	07/26/2023	ND	177	88.4	200	1.20	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 93.2 % 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:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 07/21/2023
Reported: 07/28/2023
Project Name: OGDEN 5 H RELEASE
Project Number: NONE GIVEN
Project Location: MURCHISON

Sampling Date: 07/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SSA - 2 @ 2-4 FT (H233831-05)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/28/2023	ND	2.13	106	2.00	2.07		
Toluene*	<0.050	0.050	07/28/2023	ND	2.07	104	2.00	1.15		
Ethylbenzene*	<0.050	0.050	07/28/2023	ND	1.99	99.4	2.00	1.45		
Total Xylenes*	<0.150	0.150	07/28/2023	ND	6.00	100	6.00	0.764		
Total BTEX	<0.300	0.300	07/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	32.0	16.0	07/26/2023	ND	432	108	400	3.77		

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	07/26/2023	ND	172	86.2	200	0.187	
DRO >C10-C28*	<10.0	10.0	07/26/2023	ND	177	88.4	200	1.20	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 95.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 07/21/2023
Reported: 07/28/2023
Project Name: OGDEN 5 H RELEASE
Project Number: NONE GIVEN
Project Location: MURCHISON

Sampling Date: 07/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SSA - 2 @ 4.5 FT (H233831-06)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/28/2023	ND	2.13	106	2.00	2.07		
Toluene*	<0.050	0.050	07/28/2023	ND	2.07	104	2.00	1.15		
Ethylbenzene*	<0.050	0.050	07/28/2023	ND	1.99	99.4	2.00	1.45		
Total Xylenes*	<0.150	0.150	07/28/2023	ND	6.00	100	6.00	0.764		
Total BTEX	<0.300	0.300	07/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	80.0	16.0	07/26/2023	ND	432	108	400	3.77		

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	07/26/2023	ND	188	93.8	200	22.3	
DRO >C10-C28*	<10.0	10.0	07/26/2023	ND	196	97.8	200	0.534	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 101 % 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:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 07/21/2023
Reported: 07/28/2023
Project Name: OGDEN 5 H RELEASE
Project Number: NONE GIVEN
Project Location: MURCHISON

Sampling Date: 07/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SSA - 3 @ 0-2 FT (H233831-07)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/28/2023	ND	2.13	106	2.00	2.07		
Toluene*	<0.050	0.050	07/28/2023	ND	2.07	104	2.00	1.15		
Ethylbenzene*	<0.050	0.050	07/28/2023	ND	1.99	99.4	2.00	1.45		
Total Xylenes*	<0.150	0.150	07/28/2023	ND	6.00	100	6.00	0.764		
Total BTEx	<0.300	0.300	07/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	976	16.0	07/26/2023	ND	432	108	400	3.77		

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	07/26/2023	ND	188	93.8	200	22.3	
DRO >C10-C28*	<10.0	10.0	07/26/2023	ND	196	97.8	200	0.534	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 07/21/2023
Reported: 07/28/2023
Project Name: OGDEN 5 H RELEASE
Project Number: NONE GIVEN
Project Location: MURCHISON

Sampling Date: 07/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SSA - 3 @ 2-4 FT (H233831-08)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/28/2023	ND	2.13	106	2.00	2.07		
Toluene*	<0.050	0.050	07/28/2023	ND	2.07	104	2.00	1.15		
Ethylbenzene*	<0.050	0.050	07/28/2023	ND	1.99	99.4	2.00	1.45		
Total Xylenes*	<0.150	0.150	07/28/2023	ND	6.00	100	6.00	0.764		
Total BTEX	<0.300	0.300	07/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	1040	16.0	07/26/2023	ND	432	108	400	3.77		

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	07/26/2023	ND	188	93.8	200	22.3	
DRO >C10-C28*	<10.0	10.0	07/26/2023	ND	196	97.8	200	0.534	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 142 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
 KRISTIN POPE
 901 RIO GRANDE BLVD SUITE F-142
 ALBUQUERQUE NM, 87104
 Fax To: NONE

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: OGDEN 5 H RELEASE
 Project Number: NONE GIVEN
 Project Location: MURCHISON

Sampling Date: 07/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SSA - 3 @ 4.5 FT (H233831-09)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/28/2023	ND	2.13	106	2.00	2.07		
Toluene*	<0.050	0.050	07/28/2023	ND	2.07	104	2.00	1.15		
Ethylbenzene*	<0.050	0.050	07/28/2023	ND	1.99	99.4	2.00	1.45		
Total Xylenes*	<0.150	0.150	07/28/2023	ND	6.00	100	6.00	0.764		
Total BTEX	<0.300	0.300	07/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	368	16.0	07/26/2023	ND	432	108	400	3.77		

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	07/26/2023	ND	188	93.8	200	22.3	
DRO >C10-C28*	<10.0	10.0	07/26/2023	ND	196	97.8	200	0.534	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 101 % 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:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 07/21/2023
Reported: 07/28/2023
Project Name: OGDEN 5 H RELEASE
Project Number: NONE GIVEN
Project Location: MURCHISON

Sampling Date: 07/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SSA - 4 @ 0-2 FT (H233831-10)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/28/2023	ND	2.13	106	2.00	2.07		
Toluene*	<0.050	0.050	07/28/2023	ND	2.07	104	2.00	1.15		
Ethylbenzene*	<0.050	0.050	07/28/2023	ND	1.99	99.4	2.00	1.45		
Total Xylenes*	<0.150	0.150	07/28/2023	ND	6.00	100	6.00	0.764		
Total BTX	<0.300	0.300	07/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	912	16.0	07/26/2023	ND	432	108	400	3.77		

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	07/26/2023	ND	188	93.8	200	22.3	
DRO >C10-C28*	<10.0	10.0	07/26/2023	ND	196	97.8	200	0.534	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 83.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 07/21/2023
Reported: 07/28/2023
Project Name: OGDEN 5 H RELEASE
Project Number: NONE GIVEN
Project Location: MURCHISON

Sampling Date: 07/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SSA - 4 @ 2-4 FT (H233831-11)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/28/2023	ND	2.13	106	2.00	2.07		
Toluene*	<0.050	0.050	07/28/2023	ND	2.07	104	2.00	1.15		
Ethylbenzene*	<0.050	0.050	07/28/2023	ND	1.99	99.4	2.00	1.45		
Total Xylenes*	<0.150	0.150	07/28/2023	ND	6.00	100	6.00	0.764		
Total BTEX	<0.300	0.300	07/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 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	192	16.0	07/26/2023	ND	432	108	400	3.77	

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	07/26/2023	ND	188	93.8	200	22.3	
DRO >C10-C28*	<10.0	10.0	07/26/2023	ND	196	97.8	200	0.534	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
 KRISTIN POPE
 901 RIO GRANDE BLVD SUITE F-142
 ALBUQUERQUE NM, 87104
 Fax To: NONE

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: OGDEN 5 H RELEASE
 Project Number: NONE GIVEN
 Project Location: MURCHISON

Sampling Date: 07/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SSA - 4 @ 4.5 FT (H233831-12)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/28/2023	ND	2.13	106	2.00	2.07		
Toluene*	<0.050	0.050	07/28/2023	ND	2.07	104	2.00	1.15		
Ethylbenzene*	<0.050	0.050	07/28/2023	ND	1.99	99.4	2.00	1.45		
Total Xylenes*	<0.150	0.150	07/28/2023	ND	6.00	100	6.00	0.764		
Total BTX	<0.300	0.300	07/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	336	16.0	07/26/2023	ND	432	108	400	3.77		

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	07/26/2023	ND	188	93.8	200	22.3	
DRO >C10-C28*	<10.0	10.0	07/26/2023	ND	196	97.8	200	0.534	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 99.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 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:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 07/21/2023
Reported: 07/28/2023
Project Name: OGDEN 5 H RELEASE
Project Number: NONE GIVEN
Project Location: MURCHISON

Sampling Date: 07/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SSA - 5 @ 0-2 FT (H233831-13)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/28/2023	ND	2.13	106	2.00	2.07		
Toluene*	<0.050	0.050	07/28/2023	ND	2.07	104	2.00	1.15		
Ethylbenzene*	<0.050	0.050	07/28/2023	ND	1.99	99.4	2.00	1.45		
Total Xylenes*	<0.150	0.150	07/28/2023	ND	6.00	100	6.00	0.764		
Total BTEX	<0.300	0.300	07/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 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	400	16.0	07/26/2023	ND	416	104	400	3.77		

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	07/26/2023	ND	188	93.8	200	22.3	
DRO >C10-C28*	<10.0	10.0	07/26/2023	ND	196	97.8	200	0.534	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 83.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 07/21/2023
Reported: 07/28/2023
Project Name: OGDEN 5 H RELEASE
Project Number: NONE GIVEN
Project Location: MURCHISON

Sampling Date: 07/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SSA - 5 @ 2-4 FT (H233831-14)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/28/2023	ND	2.13	106	2.00	2.07		
Toluene*	<0.050	0.050	07/28/2023	ND	2.07	104	2.00	1.15		
Ethylbenzene*	<0.050	0.050	07/28/2023	ND	1.99	99.4	2.00	1.45		
Total Xylenes*	<0.150	0.150	07/28/2023	ND	6.00	100	6.00	0.764		
Total BTEX	<0.300	0.300	07/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	448	16.0	07/26/2023	ND	416	104	400	3.77	

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	07/26/2023	ND	188	93.8	200	22.3	
DRO >C10-C28*	<10.0	10.0	07/26/2023	ND	196	97.8	200	0.534	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 81.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 07/21/2023
Reported: 07/28/2023
Project Name: OGDEN 5 H RELEASE
Project Number: NONE GIVEN
Project Location: MURCHISON

Sampling Date: 07/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SSA - 5 @ 4.5 FT (H233831-15)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/28/2023	ND	2.13	106	2.00	2.07		
Toluene*	<0.050	0.050	07/28/2023	ND	2.07	104	2.00	1.15		
Ethylbenzene*	<0.050	0.050	07/28/2023	ND	1.99	99.4	2.00	1.45		
Total Xylenes*	<0.150	0.150	07/28/2023	ND	6.00	100	6.00	0.764		
Total BTEX	<0.300	0.300	07/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	400	16.0	07/26/2023	ND	416	104	400	3.77		

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	07/26/2023	ND	188	93.8	200	22.3	
DRO >C10-C28*	<10.0	10.0	07/26/2023	ND	196	97.8	200	0.534	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 84.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 07/21/2023
Reported: 07/28/2023
Project Name: OGDEN 5 H RELEASE
Project Number: NONE GIVEN
Project Location: MURCHISON

Sampling Date: 07/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SSA - 6 @ 0-2 FT (H233831-16)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/28/2023	ND	2.13	106	2.00	2.07		
Toluene*	<0.050	0.050	07/28/2023	ND	2.07	104	2.00	1.15		
Ethylbenzene*	<0.050	0.050	07/28/2023	ND	1.99	99.4	2.00	1.45		
Total Xylenes*	<0.150	0.150	07/28/2023	ND	6.00	100	6.00	0.764		
Total BTEX	<0.300	0.300	07/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	1170	16.0	07/26/2023	ND	416	104	400	3.77		

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	07/26/2023	ND	188	93.8	200	22.3	
DRO >C10-C28*	<10.0	10.0	07/26/2023	ND	196	97.8	200	0.534	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 87.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 07/21/2023
Reported: 07/28/2023
Project Name: OGDEN 5 H RELEASE
Project Number: NONE GIVEN
Project Location: MURCHISON

Sampling Date: 07/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SSA - 6 @ 2-4 FT (H233831-17)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/28/2023	ND	2.13	106	2.00	2.07		
Toluene*	<0.050	0.050	07/28/2023	ND	2.07	104	2.00	1.15		
Ethylbenzene*	<0.050	0.050	07/28/2023	ND	1.99	99.4	2.00	1.45		
Total Xylenes*	<0.150	0.150	07/28/2023	ND	6.00	100	6.00	0.764		
Total BTEX	<0.300	0.300	07/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	469	16.0	07/26/2023	ND	416	104	400	3.77		

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	07/26/2023	ND	188	93.8	200	22.3	
DRO >C10-C28*	<10.0	10.0	07/26/2023	ND	196	97.8	200	0.534	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 91.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

R T HICKS CONSULTANTS
 KRISTIN POPE
 901 RIO GRANDE BLVD SUITE F-142
 ALBUQUERQUE NM, 87104
 Fax To: NONE

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: OGDEN 5 H RELEASE
 Project Number: NONE GIVEN
 Project Location: MURCHISON

Sampling Date: 07/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SSA - 6 @ 4.5 FT (H233831-18)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/28/2023	ND	2.13	106	2.00	2.07		
Toluene*	<0.050	0.050	07/28/2023	ND	2.07	104	2.00	1.15		
Ethylbenzene*	<0.050	0.050	07/28/2023	ND	1.99	99.4	2.00	1.45		
Total Xylenes*	<0.150	0.150	07/28/2023	ND	6.00	100	6.00	0.764		
Total BTEX	<0.300	0.300	07/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	352	16.0	07/26/2023	ND	416	104	400	3.77		

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	07/26/2023	ND	188	93.8	200	22.3	
DRO >C10-C28*	<10.0	10.0	07/26/2023	ND	196	97.8	200	0.534	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 89.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 07/21/2023
Reported: 07/28/2023
Project Name: OGDEN 5 H RELEASE
Project Number: NONE GIVEN
Project Location: MURCHISON

Sampling Date: 07/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SSA - 7 @ 0-2 FT (H233831-19)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/28/2023	ND	2.13	106	2.00	2.07		
Toluene*	<0.050	0.050	07/28/2023	ND	2.07	104	2.00	1.15		
Ethylbenzene*	<0.050	0.050	07/28/2023	ND	1.99	99.4	2.00	1.45		
Total Xylenes*	<0.150	0.150	07/28/2023	ND	6.00	100	6.00	0.764		
Total BTEX	<0.300	0.300	07/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	208	16.0	07/26/2023	ND	416	104	400	3.77		

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	07/26/2023	ND	188	93.8	200	22.3	
DRO >C10-C28*	<10.0	10.0	07/26/2023	ND	196	97.8	200	0.534	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 96.0 % 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:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 07/21/2023
Reported: 07/28/2023
Project Name: OGDEN 5 H RELEASE
Project Number: NONE GIVEN
Project Location: MURCHISON

Sampling Date: 07/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SSA - 7 @ 2-4 FT (H233831-20)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/28/2023	ND	2.13	106	2.00	2.07		
Toluene*	<0.050	0.050	07/28/2023	ND	2.07	104	2.00	1.15		
Ethylbenzene*	<0.050	0.050	07/28/2023	ND	1.99	99.4	2.00	1.45		
Total Xylenes*	<0.150	0.150	07/28/2023	ND	6.00	100	6.00	0.764		
Total BTEx	<0.300	0.300	07/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	288	16.0	07/26/2023	ND	416	104	400	3.77		

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	07/26/2023	ND	188	93.8	200	22.3	
DRO >C10-C28*	<10.0	10.0	07/26/2023	ND	196	97.8	200	0.534	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 87.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 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:

R T HICKS CONSULTANTS
 KRISTIN POPE
 901 RIO GRANDE BLVD SUITE F-142
 ALBUQUERQUE NM, 87104
 Fax To: NONE

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: OGDEN 5 H RELEASE
 Project Number: NONE GIVEN
 Project Location: MURCHISON

Sampling Date: 07/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SSA - 7 @ 4.5 FT (H233831-21)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/28/2023	ND	2.13	106	2.00	2.07		
Toluene*	<0.050	0.050	07/28/2023	ND	2.07	104	2.00	1.15		
Ethylbenzene*	<0.050	0.050	07/28/2023	ND	1.99	99.4	2.00	1.45		
Total Xylenes*	<0.150	0.150	07/28/2023	ND	6.00	100	6.00	0.764		
Total BTEX	<0.300	0.300	07/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	240	16.0	07/26/2023	ND	416	104	400	3.77		

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	07/26/2023	ND	188	93.8	200	22.3	
DRO >C10-C28*	<10.0	10.0	07/26/2023	ND	196	97.8	200	0.534	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
 KRISTIN POPE
 901 RIO GRANDE BLVD SUITE F-142
 ALBUQUERQUE NM, 87104
 Fax To: NONE

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: OGDEN 5 H RELEASE
 Project Number: NONE GIVEN
 Project Location: MURCHISON

Sampling Date: 07/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SSA - 8 @ 0-2 FT (H233831-22)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/28/2023	ND	2.13	106	2.00	2.07		
Toluene*	<0.050	0.050	07/28/2023	ND	2.07	104	2.00	1.15		
Ethylbenzene*	<0.050	0.050	07/28/2023	ND	1.99	99.4	2.00	1.45		
Total Xylenes*	<0.150	0.150	07/28/2023	ND	6.00	100	6.00	0.764		
Total BTEX	<0.300	0.300	07/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	736	16.0	07/26/2023	ND	416	104	400	3.77		

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	07/26/2023	ND	188	93.8	200	22.3	
DRO >C10-C28*	<10.0	10.0	07/26/2023	ND	196	97.8	200	0.534	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 77.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.9 % 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:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 07/21/2023
Reported: 07/28/2023
Project Name: OGDEN 5 H RELEASE
Project Number: NONE GIVEN
Project Location: MURCHISON

Sampling Date: 07/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SSA - 8 @ 2-4 FT (H233831-23)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/28/2023	ND	2.06	103	2.00	2.15		
Toluene*	<0.050	0.050	07/28/2023	ND	1.98	98.9	2.00	5.25		
Ethylbenzene*	<0.050	0.050	07/28/2023	ND	2.04	102	2.00	4.97		
Total Xylenes*	<0.150	0.150	07/28/2023	ND	6.12	102	6.00	4.49		
Total BTEX	<0.300	0.300	07/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	256	16.0	07/26/2023	ND	416	104	400	3.77		

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	07/26/2023	ND	188	93.8	200	22.3	
DRO >C10-C28*	<10.0	10.0	07/26/2023	ND	196	97.8	200	0.534	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 85.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.5 % 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:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 07/21/2023
Reported: 07/28/2023
Project Name: OGDEN 5 H RELEASE
Project Number: NONE GIVEN
Project Location: MURCHISON

Sampling Date: 07/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SSA - 8 @ 4.5 FT (H233831-24)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/28/2023	ND	2.06	103	2.00	2.15		
Toluene*	<0.050	0.050	07/28/2023	ND	1.98	98.9	2.00	5.25		
Ethylbenzene*	<0.050	0.050	07/28/2023	ND	2.04	102	2.00	4.97		
Total Xylenes*	<0.150	0.150	07/28/2023	ND	6.12	102	6.00	4.49		
Total BTEX	<0.300	0.300	07/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 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	256	16.0	07/26/2023	ND	416	104	400	3.77		

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	07/26/2023	ND	188	93.8	200	22.3	
DRO >C10-C28*	<10.0	10.0	07/26/2023	ND	196	97.8	200	0.534	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 80.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
- 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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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: R. T. Hicks Consultants				P.O. #:				BILL TO				ANALYSIS REQUEST									
Project Manager: Kristin Pope				Company: R. T. Hicks																	
Address: 901 Rio Grande Blvd NW, Suite F-142				Attn: Randy																	
City: Albuquerque				State: NM				Zip: 87104													
Phone #: 505-266-5004				Fax #:				Address:													
Project #:				City:				State:				Zip:									
Project Name: Ogden 5H release				Project Owner: Murchison				Phone #:													
Project Location:				Fax #:																	
Sampler Name: Kristin Pope				PRESERV				SAMPLING													
<small>FOR LAB USE ONLY</small>																					
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		MATRIX						DATE		TIME							
				# CONTAINERS		GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :									ACID/BASE:	ICE / COOL
H233831		SSA-1 @ D-2 ft		G	1											9-21-23	10:20	Chloride			
		SSA-1 @ 2-4 ft		G	1												10:22	BTEX			
		SSA-1 @ 4.5 ft		G	1												10:24	TPH 8015M			
		SSA-2 @ D-2 ft		G	1												10:15				
		SSA-2 @ 2-4 ft		G	1												10:17				
		SSA-2 @ 4.5 ft		G	1												10:19				
		SSA-3 @ D-2 ft		G	1												09:42				
		SSA-3 @ 2-4 ft		G	1												09:44				
		SSA-3 @ 4.5 ft		G	1												09:46				
		SSA-4 @ D-2 ft		G	1												09:22				

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Relinquished By:		Date: 9-21-23	Received By:	Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:
Reinquinshed By:		Date: 9-21-23	Received By:	All Results are emailed. Please provide Email address:
Delivered By: (Circle One)		Observed Temp.: °C	Cool Intact	Turnaround Time:
Sampler - UPS - Bus - Other:		Corrected Temp.: °C	Yes <input type="checkbox"/> No <input type="checkbox"/>	Standard <input checked="" type="checkbox"/> RUSH <input type="checkbox"/> Add'l <input type="checkbox"/> Bacteria (only) <input type="checkbox"/> Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Observed Temp. <input type="checkbox"/> °C <input type="checkbox"/> Corrected Temp. <input type="checkbox"/> °C <input type="checkbox"/>
REMARKS:				

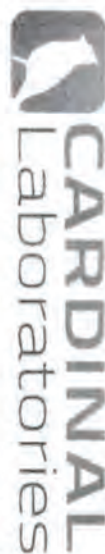


101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: R.T. Hicks Consultants		BILL TO		ANALYSIS REQUEST	
Project Manager: Kristin Pope		P.O. #:			
Address: 901 Rio Grande Blvd NW, Suite F-142		Company: R.T. Hicks			
City: Albuquerque		Attn: Randy			
Phone #: 505-266-5004		Address:			
Fax #: 505-266-5004		City:			
Project #: 505-266-5004		State:			
Project Name: Ogden 5H release		Zip:			
Project Location:		Phone #:			
Sample Name: Kristin Pope		Fax #:			
FOR LAB USE ONLY		MATRIX		PRESERV	
Lab I.D.		Sample I.D.		DATE	
H233831		11		0924	
12		12		0926	
13		13		1008	
14		14		1010	
15		15		1012	
16		16		1058	
17		17		1000	
18		18		1002	
19		19		0950	
20		20		0952	
55A-4 @ 2-4 ft		(G)RAB OR (C)OMP.		Chloride	
55A-4 @ 4.5 ft		# CONTAINERS		BTEX	
55A-5 @ 0-2 ft		GROUNDWATER		TPH 8015M	
55A-5 @ 2-4 ft		WASTEWATER			
55A-5 @ 4.5 ft		SOIL			
55A-6 @ 0-2 ft		OIL			
55A-6 @ 2-4 ft		SLUDGE			
55A-7 @ 0-2 ft		OTHER :			
55A-7 @ 2-4 ft		ACID/BASE:			
		ICE / COOL			
		OTHER :			
		DATE		TIME	
		9-21-23		0924	
		0926			
		1008			
		1010			
		1012			
		1058			
		1000			
		1002			
		0950			
		0952			
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Reinquisitioned By: Kristin Pope		Date: 9-21-23		Time: 1100	
Delivered By: (Circle One) Kristin Pope		Observed Temp. °C		4.9	
Sampler - UPS - Bus - Other:		Corrected Temp. °C		4.0	
Turnaround Time: Standard		Bacteria (only) Sample Condition		Cool Intact	
Thermometer ID #113 #140		Cool Intact		Yes	
Corrosion Factor 1/2/12		Cool Intact		Yes	
		Corrected Temp. °C		4.0	
REMARKS: kristin@rthicksconsult.com, R@rthicksconsult.com		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
		All Results are emailed. Please provide Email address:			

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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Refrigerated By:	Date: 7-21-23	Received By:	Verbal Result:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time:		All Results are emailed. Please provide Email address:		
Refrigerated By:	Date: 7-21-23	Received By:	Kristina@athicksconsult.com, R.@athicksconsult.com		
	Time:		REMARKS:		
Delivered By: (Circle One)	Observed Temp.: °C Corrected Temp.: °C	Sample Condition Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	CHECKED BY: (Initials)	Turnaround Time:	Standard <input checked="" type="checkbox"/> Push <input type="checkbox"/>
Sampler - UPS - Bus - Other:				Thermometer ID #448 #140	Bacteria (only) Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>
				Correction Factor dec dec 50.7/21/23	Observed Temp. °C Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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

May 16, 2024

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: OGDEN STATE 5H

Enclosed are the results of analyses for samples received by the laboratory on 05/13/24 15:36.

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.

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 written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received: 05/13/2024
 Reported: 05/16/2024
 Project Name: OGDEN STATE 5H
 Project Number: NOT GIVEN
 Project Location: UL/ O SEC 2 T25S - R26E

Sampling Date: 05/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SP 1 - SURF (H242606-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2024	ND	1.95	97.3	2.00	10.2	
Toluene*	<0.050	0.050	05/15/2024	ND	1.90	95.1	2.00	9.52	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.88	94.1	2.00	8.07	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	5.49	91.4	6.00	8.16	
Total BTX	<0.300	0.300	05/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 80.5 % 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	32.0	16.0	05/15/2024	ND	432	108	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	05/14/2024	ND	191	95.4	200	0.393	
DRO >C10-C28*	<10.0	10.0	05/14/2024	ND	182	91.0	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	05/14/2024	ND					

Surrogate: 1-Chlorooctane 89.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.7 % 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:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received: 05/13/2024
 Reported: 05/16/2024
 Project Name: OGDEN STATE 5H
 Project Number: NOT GIVEN
 Project Location: UL/ O SEC 2 T25S - R26E

Sampling Date: 05/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SP 1 - 4' (H242606-02)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2024	ND	1.95	97.3	2.00	10.2	
Toluene*	<0.050	0.050	05/15/2024	ND	1.90	95.1	2.00	9.52	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.88	94.1	2.00	8.07	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	5.49	91.4	6.00	8.16	
Total BTEx	<0.300	0.300	05/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 81.1 % 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	80.0	16.0	05/15/2024	ND	448	112	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	05/14/2024	ND	191	95.4	200	0.393	
DRO >C10-C28*	<10.0	10.0	05/14/2024	ND	182	91.0	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	05/14/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.5 % 49.1-148

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Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received: 05/13/2024
 Reported: 05/16/2024
 Project Name: OGDEN STATE 5H
 Project Number: NOT GIVEN
 Project Location: UL/ O SEC 2 T25S - R26E

Sampling Date: 05/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SP 2 - SURF (H242606-03)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/15/2024	ND	1.95	97.3	2.00	10.2		
Toluene*	<0.050	0.050	05/15/2024	ND	1.90	95.1	2.00	9.52		
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.88	94.1	2.00	8.07		
Total Xylenes*	<0.150	0.150	05/15/2024	ND	5.49	91.4	6.00	8.16		
Total BTEX	<0.300	0.300	05/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 81.4 % 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	37600	16.0	05/15/2024	ND	448	112	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	05/14/2024	ND	191	95.4	200	0.393	
DRO >C10-C28*	<10.0	10.0	05/14/2024	ND	182	91.0	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	05/14/2024	ND					

Surrogate: 1-Chlorooctane 99.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.9 % 49.1-148

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Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received: 05/13/2024
 Reported: 05/16/2024
 Project Name: OGDEN STATE 5H
 Project Number: NOT GIVEN
 Project Location: UL/ O SEC 2 T25S - R26E

Sampling Date: 05/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SP 2 - 5' (H242606-04)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/15/2024	ND	1.95	97.3	2.00	10.2		
Toluene*	<0.050	0.050	05/15/2024	ND	1.90	95.1	2.00	9.52		
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.88	94.1	2.00	8.07		
Total Xylenes*	<0.150	0.150	05/15/2024	ND	5.49	91.4	6.00	8.16		
Total BTEx	<0.300	0.300	05/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 80.3 % 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	192	16.0	05/15/2024	ND	448	112	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	05/14/2024	ND	191	95.4	200	0.393	
DRO >C10-C28*	<10.0	10.0	05/14/2024	ND	182	91.0	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	05/14/2024	ND					

Surrogate: 1-Chlorooctane 98.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
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 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received: 05/13/2024
 Reported: 05/16/2024
 Project Name: OGDEN STATE 5H
 Project Number: NOT GIVEN
 Project Location: UL/ O SEC 2 T25S - R26E

Sampling Date: 05/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SP 3 - SURF (H242606-05)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/15/2024	ND	1.95	97.3	2.00	10.2		
Toluene*	<0.050	0.050	05/15/2024	ND	1.90	95.1	2.00	9.52		
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.88	94.1	2.00	8.07		
Total Xylenes*	<0.150	0.150	05/15/2024	ND	5.49	91.4	6.00	8.16		
Total BTX	<0.300	0.300	05/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 79.7 % 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	960	16.0	05/15/2024	ND	448	112	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	05/14/2024	ND	191	95.4	200	0.393	
DRO >C10-C28*	<10.0	10.0	05/14/2024	ND	182	91.0	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	05/14/2024	ND					

Surrogate: 1-Chlorooctane 94.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.6 % 49.1-148

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Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received: 05/13/2024
 Reported: 05/16/2024
 Project Name: OGDEN STATE 5H
 Project Number: NOT GIVEN
 Project Location: UL/ O SEC 2 T25S - R26E

Sampling Date: 05/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SP 3 - 6' (H242606-06)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/15/2024	ND	1.95	97.3	2.00	10.2		
Toluene*	<0.050	0.050	05/15/2024	ND	1.90	95.1	2.00	9.52		
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.88	94.1	2.00	8.07		
Total Xylenes*	<0.150	0.150	05/15/2024	ND	5.49	91.4	6.00	8.16		
Total BTEx	<0.300	0.300	05/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 80.9 % 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	05/15/2024	ND	448	112	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	05/14/2024	ND	191	95.4	200	0.393	
DRO >C10-C28*	<10.0	10.0	05/14/2024	ND	182	91.0	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	05/14/2024	ND					

Surrogate: 1-Chlorooctane 97.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received: 05/13/2024
 Reported: 05/16/2024
 Project Name: OGDEN STATE 5H
 Project Number: NOT GIVEN
 Project Location: UL/ O SEC 2 T25S - R26E

Sampling Date: 05/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SP 4 - SURF (H242606-07)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/15/2024	ND	1.95	97.3	2.00	10.2		
Toluene*	<0.050	0.050	05/15/2024	ND	1.90	95.1	2.00	9.52		
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.88	94.1	2.00	8.07		
Total Xylenes*	<0.150	0.150	05/15/2024	ND	5.49	91.4	6.00	8.16		
Total BTEx	<0.300	0.300	05/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 78.4 % 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	416	16.0	05/15/2024	ND	448	112	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	05/14/2024	ND	191	95.4	200	0.393	
DRO >C10-C28*	<10.0	10.0	05/14/2024	ND	182	91.0	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	05/14/2024	ND					

Surrogate: 1-Chlorooctane 94.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received: 05/13/2024
 Reported: 05/16/2024
 Project Name: OGDEN STATE 5H
 Project Number: NOT GIVEN
 Project Location: UL/ O SEC 2 T25S - R26E

Sampling Date: 05/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SP 4 - 4' (H242606-08)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2024	ND	1.95	97.3	2.00	10.2	
Toluene*	<0.050	0.050	05/15/2024	ND	1.90	95.1	2.00	9.52	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.88	94.1	2.00	8.07	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	5.49	91.4	6.00	8.16	
Total BTEX	<0.300	0.300	05/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 79.7 % 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	464	16.0	05/15/2024	ND	448	112	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	05/15/2024	ND	191	95.4	200	0.393	
DRO >C10-C28*	<10.0	10.0	05/15/2024	ND	182	91.0	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	05/15/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
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 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received: 05/13/2024
 Reported: 05/16/2024
 Project Name: OGDEN STATE 5H
 Project Number: NOT GIVEN
 Project Location: UL/ O SEC 2 T25S - R26E

Sampling Date: 05/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SP 5 - SURF (H242606-09)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/15/2024	ND	1.95	97.3	2.00	10.2		
Toluene*	<0.050	0.050	05/15/2024	ND	1.90	95.1	2.00	9.52		
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.88	94.1	2.00	8.07		
Total Xylenes*	<0.150	0.150	05/15/2024	ND	5.49	91.4	6.00	8.16		
Total BTEX	<0.300	0.300	05/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 81.3 % 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	48.0	16.0	05/15/2024	ND	448	112	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	05/15/2024	ND	191	95.4	200	0.393	
DRO >C10-C28*	<10.0	10.0	05/15/2024	ND	182	91.0	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	05/15/2024	ND					

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.1 % 49.1-148

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Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received: 05/13/2024
 Reported: 05/16/2024
 Project Name: OGDEN STATE 5H
 Project Number: NOT GIVEN
 Project Location: UL/ O SEC 2 T25S - R26E

Sampling Date: 05/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SP 5 - 4' (H242606-10)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/15/2024	ND	1.95	97.3	2.00	10.2		
Toluene*	<0.050	0.050	05/15/2024	ND	1.90	95.1	2.00	9.52		
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.88	94.1	2.00	8.07		
Total Xylenes*	<0.150	0.150	05/15/2024	ND	5.49	91.4	6.00	8.16		
Total BTEx	<0.300	0.300	05/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 80.0 % 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	64.0	16.0	05/15/2024	ND	448	112	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	05/14/2024	ND	200	100	200	8.67	
DRO >C10-C28*	<10.0	10.0	05/14/2024	ND	200	100	200	3.67	
EXT DRO >C28-C36	<10.0	10.0	05/14/2024	ND					

Surrogate: 1-Chlorooctane 89.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.3 % 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:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received: 05/13/2024
 Reported: 05/16/2024
 Project Name: OGDEN STATE 5H
 Project Number: NOT GIVEN
 Project Location: UL/ O SEC 2 T25S - R26E

Sampling Date: 05/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: HZ 1 - SURF (H242606-11)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2024	ND	1.95	97.3	2.00	10.2	
Toluene*	<0.050	0.050	05/15/2024	ND	1.90	95.1	2.00	9.52	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.88	94.1	2.00	8.07	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	5.49	91.4	6.00	8.16	
Total BTEX	<0.300	0.300	05/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 79.8 % 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	05/15/2024	ND	448	112	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	05/14/2024	ND	200	100	200	8.67	
DRO >C10-C28*	<10.0	10.0	05/14/2024	ND	200	100	200	3.67	
EXT DRO >C28-C36	<10.0	10.0	05/14/2024	ND					

Surrogate: 1-Chlorooctane 88.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received: 05/13/2024
 Reported: 05/16/2024
 Project Name: OGDEN STATE 5H
 Project Number: NOT GIVEN
 Project Location: UL/ O SEC 2 T25S - R26E

Sampling Date: 05/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: HZ 1 - 1' (H242606-12)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2024	ND	1.95	97.3	2.00	10.2	
Toluene*	<0.050	0.050	05/15/2024	ND	1.90	95.1	2.00	9.52	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.88	94.1	2.00	8.07	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	5.49	91.4	6.00	8.16	
Total BTX	<0.300	0.300	05/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 79.3 % 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	16.0	16.0	05/15/2024	ND	448	112	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	05/14/2024	ND	200	100	200	8.67	
DRO >C10-C28*	<10.0	10.0	05/14/2024	ND	200	100	200	3.67	
EXT DRO >C28-C36	<10.0	10.0	05/14/2024	ND					

Surrogate: 1-Chlorooctane 91.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.5 % 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:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received: 05/13/2024
 Reported: 05/16/2024
 Project Name: OGDEN STATE 5H
 Project Number: NOT GIVEN
 Project Location: UL/ O SEC 2 T25S - R26E

Sampling Date: 05/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: HZ 2 - SURF (H242606-13)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/15/2024	ND	1.95	97.3	2.00	10.2		
Toluene*	<0.050	0.050	05/15/2024	ND	1.90	95.1	2.00	9.52		
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.88	94.1	2.00	8.07		
Total Xylenes*	<0.150	0.150	05/15/2024	ND	5.49	91.4	6.00	8.16		
Total BTEx	<0.300	0.300	05/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 79.7 % 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	96.0	16.0	05/15/2024	ND	448	112	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	05/14/2024	ND	200	100	200	8.67	
DRO >C10-C28*	<10.0	10.0	05/14/2024	ND	200	100	200	3.67	
EXT DRO >C28-C36	<10.0	10.0	05/14/2024	ND					

Surrogate: 1-Chlorooctane 96.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received: 05/13/2024
 Reported: 05/16/2024
 Project Name: OGDEN STATE 5H
 Project Number: NOT GIVEN
 Project Location: UL/ O SEC 2 T25S - R26E

Sampling Date: 05/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: HZ 2 - 1' (H242606-14)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/15/2024	ND	1.91	95.4	2.00	0.989		
Toluene*	<0.050	0.050	05/15/2024	ND	1.90	95.2	2.00	0.595		
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.96	98.0	2.00	0.260		
Total Xylenes*	<0.150	0.150	05/15/2024	ND	5.72	95.3	6.00	0.319		
Total BTEX	<0.300	0.300	05/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 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	32.0	16.0	05/15/2024	ND	448	112	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	05/14/2024	ND	174	87.1	200	1.84	
DRO >C10-C28*	<10.0	10.0	05/14/2024	ND	176	87.8	200	9.04	
EXT DRO >C28-C36	<10.0	10.0	05/14/2024	ND					

Surrogate: 1-Chlorooctane 92.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received: 05/13/2024
 Reported: 05/16/2024
 Project Name: OGDEN STATE 5H
 Project Number: NOT GIVEN
 Project Location: UL/ O SEC 2 T25S - R26E

Sampling Date: 05/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: HZ 3 - SURF (H242606-15)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/15/2024	ND	1.91	95.4	2.00	0.989		
Toluene*	<0.050	0.050	05/15/2024	ND	1.90	95.2	2.00	0.595		
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.96	98.0	2.00	0.260		
Total Xylenes*	<0.150	0.150	05/15/2024	ND	5.72	95.3	6.00	0.319		
Total BTEx	<0.300	0.300	05/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 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	160	16.0	05/15/2024	ND	448	112	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	05/14/2024	ND	174	87.1	200	1.84	
DRO >C10-C28*	<10.0	10.0	05/14/2024	ND	176	87.8	200	9.04	
EXT DRO >C28-C36	<10.0	10.0	05/14/2024	ND					

Surrogate: 1-Chlorooctane 83.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.9 % 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:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received: 05/13/2024
 Reported: 05/16/2024
 Project Name: OGDEN STATE 5H
 Project Number: NOT GIVEN
 Project Location: UL/ O SEC 2 T25S - R26E

Sampling Date: 05/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: HZ 3 - 1' (H242606-16)

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	05/15/2024	ND	2.04	102	2.00	4.25		
Toluene*	<0.050	0.050	05/15/2024	ND	2.11	105	2.00	4.02		
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	2.10	105	2.00	4.30		
Total Xylenes*	<0.150	0.150	05/15/2024	ND	6.47	108	6.00	3.92		
Total BTEX	<0.300	0.300	05/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	576	16.0	05/15/2024	ND	448	112	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	05/14/2024	ND	174	87.1	200	1.84	
DRO >C10-C28*	<10.0	10.0	05/14/2024	ND	176	87.8	200	9.04	
EXT DRO >C28-C36	<10.0	10.0	05/14/2024	ND					

Surrogate: 1-Chlorooctane 94.7 % 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:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received: 05/13/2024
 Reported: 05/16/2024
 Project Name: OGDEN STATE 5H
 Project Number: NOT GIVEN
 Project Location: UL/ O SEC 2 T25S - R26E

Sampling Date: 05/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: HZ 4 - SURF (H242606-17)

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	05/15/2024	ND	2.04	102	2.00	4.25		
Toluene*	<0.050	0.050	05/15/2024	ND	2.11	105	2.00	4.02		
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	2.10	105	2.00	4.30		
Total Xylenes*	<0.150	0.150	05/15/2024	ND	6.47	108	6.00	3.92		
Total BTEx	<0.300	0.300	05/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	80.0	16.0	05/15/2024	ND	448	112	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	05/14/2024	ND	174	87.1	200	1.84	
DRO >C10-C28*	<10.0	10.0	05/14/2024	ND	176	87.8	200	9.04	
EXT DRO >C28-C36	<10.0	10.0	05/14/2024	ND					

Surrogate: 1-Chlorooctane 84.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received: 05/13/2024
 Reported: 05/16/2024
 Project Name: OGDEN STATE 5H
 Project Number: NOT GIVEN
 Project Location: UL/ O SEC 2 T25S - R26E

Sampling Date: 05/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: HZ 4 - 1' (H242606-18)

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	05/15/2024	ND	2.04	102	2.00	4.25		
Toluene*	<0.050	0.050	05/15/2024	ND	2.11	105	2.00	4.02		
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	2.10	105	2.00	4.30		
Total Xylenes*	<0.150	0.150	05/15/2024	ND	6.47	108	6.00	3.92		
Total BTEX	<0.300	0.300	05/15/2024	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	64.0	16.0	05/15/2024	ND	448	112	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	05/14/2024	ND	174	87.1	200	1.84	
DRO >C10-C28*	<10.0	10.0	05/14/2024	ND	176	87.8	200	9.04	
EXT DRO >C28-C36	<10.0	10.0	05/14/2024	ND					

Surrogate: 1-Chlorooctane 91.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

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

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Hungry Horse LLC		P.O. #:		BILL TO		ANALYSIS REQUEST													
Project Manager: Daniel Dominguez		City: Lovington		State: NM		Zip: 88260		Attn: Greg Boans		Company: Murchison Oil & Gas									
Address: 4024 Plains Hwy		Phone #: 575 393-3386		Fax #:		Project Owner: Murchison Oil & Gas		City: Carlsbad		Address: 5325 Sierra Vista									
Project Name: Ogden State 5H		State: NM		Zip: 88230		City: Carlsbad		Address: 5325 Sierra Vista		Company: Murchison Oil & Gas									
Project Location: UL/O Sec 2 T2S5 - R26E		State: NM		Zip: 88230		City: Carlsbad		Address: 5325 Sierra Vista		Company: Murchison Oil & Gas									
Sample Name: Bradley Wells		State: NM		Zip: 88230		City: Carlsbad		Address: 5325 Sierra Vista		Company: Murchison Oil & Gas									
FOR LAB USE ONLY		Date: 5/13/14		Time: 1530		Received By: [Signature]		Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>		CHECKED BY: [Signature]									
Lab I.D. Sample I.D.		Date: 5/13/14		Time: 1530		Received By: [Signature]		Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>		CHECKED BY: [Signature]									
Project Name: Ogden State 5H		State: NM		Zip: 88230		City: Carlsbad		Address: 5325 Sierra Vista		Company: Murchison Oil & Gas									
Project Location: UL/O Sec 2 T2S5 - R26E		State: NM		Zip: 88230		City: Carlsbad		Address: 5325 Sierra Vista		Company: Murchison Oil & Gas									
Sample Name: Bradley Wells		State: NM		Zip: 88230		City: Carlsbad		Address: 5325 Sierra Vista		Company: Murchison Oil & Gas									
FOR LAB USE ONLY		Date: 5/13/14		Time: 1530		Received By: [Signature]		Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>		CHECKED BY: [Signature]									
Lab I.D. Sample I.D.		Date: 5/13/14		Time: 1530		Received By: [Signature]		Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>		CHECKED BY: [Signature]									
Project Name: Ogden State 5H		State: NM		Zip: 88230		City: Carlsbad		Address: 5325 Sierra Vista		Company: Murchison Oil & Gas									
Project Location: UL/O Sec 2 T2S5 - R26E		State: NM		Zip: 88230		City: Carlsbad		Address: 5325 Sierra Vista		Company: Murchison Oil & Gas									
Sample Name: Bradley Wells		State: NM		Zip: 88230		City: Carlsbad		Address: 5325 Sierra Vista		Company: Murchison Oil & Gas									
FOR LAB USE ONLY		Date: 5/13/14		Time: 1530		Received By: [Signature]		Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>		CHECKED BY: [Signature]									
Lab I.D. Sample I.D.		Date: 5/13/14		Time: 1530		Received By: [Signature]		Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>		CHECKED BY: [Signature]									
Project Name: Ogden State 5H		State: NM		Zip: 88230		City: Carlsbad		Address: 5325 Sierra Vista		Company: Murchison Oil & Gas									
Project Location: UL/O Sec 2 T2S5 - R26E		State: NM		Zip: 88230		City: Carlsbad		Address: 5325 Sierra Vista		Company: Murchison Oil & Gas									
Sample Name: Bradley Wells		State: NM		Zip: 88230		City: Carlsbad		Address: 5325 Sierra Vista		Company: Murchison Oil & Gas									
FOR LAB USE ONLY		Date: 5/13/14		Time: 1530		Received By: [Signature]		Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>		CHECKED BY: [Signature]									
Lab I.D. Sample I.D.		Date: 5/13/14		Time: 1530		Received By: [Signature]		Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>		CHECKED BY: [Signature]									
Project Name: Ogden State 5H		State: NM		Zip: 88230		City: Carlsbad		Address: 5325 Sierra Vista		Company: Murchison Oil & Gas									
Project Location: UL/O Sec 2 T2S5 - R26E		State: NM		Zip: 88230		City: Carlsbad		Address: 5325 Sierra Vista		Company: Murchison Oil & Gas									
Sample Name: Bradley Wells		State: NM		Zip: 88230		City: Carlsbad		Address: 5325 Sierra Vista		Company: Murchison Oil & Gas									
FOR LAB USE ONLY		Date: 5/13/14		Time: 1530		Received By: [Signature]		Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>		CHECKED BY: [Signature]									
Lab I.D. Sample I.D.		Date: 5/13/14		Time: 1530		Received By: [Signature]		Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>		CHECKED BY: [Signature]									
Project Name: Ogden State 5H		State: NM		Zip: 88230		City: Carlsbad		Address: 5325 Sierra Vista		Company: Murchison Oil & Gas									
Project Location: UL/O Sec 2 T2S5 - R26E		State: NM		Zip: 88230		City: Carlsbad		Address: 5325 Sierra Vista		Company: Murchison Oil & Gas									
Sample Name: Bradley Wells		State: NM		Zip: 88230		City: Carlsbad		Address: 5325 Sierra Vista		Company: Murchison Oil & Gas									
FOR LAB USE ONLY		Date: 5/13/14		Time: 1530		Received By: [Signature]		Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>		CHECKED BY: [Signature]									
Lab I.D. Sample I.D.		Date: 5/13/14		Time: 1530		Received By: [Signature]		Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>		CHECKED BY: [Signature]									
Project Name: Ogden State 5H		State: NM		Zip: 88230		City: Carlsbad		Address: 5325 Sierra Vista		Company: Murchison Oil & Gas									
Project Location: UL/O Sec 2 T2S5 - R26E		State: NM		Zip: 88230		City: Carlsbad		Address: 5325 Sierra Vista		Company: Murchison Oil & Gas									
Sample Name: Bradley Wells		State: NM		Zip: 88230		City: Carlsbad		Address: 5325 Sierra Vista		Company: Murchison Oil & Gas									
FOR LAB USE ONLY		Date: 5/13/14		Time: 1530		Received By: [Signature]													



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Hungry Horse LLC		P.O. #:		BILL TO										ANALYSIS REQUEST																															
Project Manager: Daniel Dominguez		Company: Murchison Oil & Gas																																											
Address: 4024 Plains Hwy		Attn: Greg Boans																																											
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Phone #: 575 393-3386	Fax #:	City: Carlsbad																																											
Project #:	Project Owner: Murchison Oil & Gas	State: NM		Zip: 88230																																									
Project Location: UL O Sec 2 T2S5 - R26E		Phone #: 575 706-0667																																											
Sampler Name: Bradley Wells		Fax #:																																											
FOR LAB USE ONLY		Matrix		PRESERV.		SAMPLING																																							
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME		Chloride		TPH		BTEX 8021											
H242466		H21-Surf		G 1		X		X		X		X		X		X		X		X		X		X		X		X		X		X													
17		H21-1'		G 1		X		X		X		X		X		X		X		X		X		X		X		X		X		X													
13		H22-Surf		G 1		X		X		X		X		X		X		X		X		X		X		X		X		X		X													
14		H22-1'		G 1		X		X		X		X		X		X		X		X		X		X		X		X		X		X													
15		HZ3-Surf		G 1		X		X		X		X		X		X		X		X		X		X		X		X		X		X													
16		HZ3-1'		G 1		X		X		X		X		X		X		X		X		X		X		X		X		X		X													
17		HZ4-Surf		G 1		X		X		X		X		X		X		X		X		X		X		X		X		X		X													
18		HZ4-1'		G 1		X		X		X		X		X		X		X		X		X		X		X		X		X		X													



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

June 03, 2024

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: OGDEN STATE 5H

Enclosed are the results of analyses for samples received by the laboratory on 05/29/24 15:42.

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.

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, appearing to read "Mike Snyder", is written over a light gray rectangular background.

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received: 05/29/2024
 Reported: 06/03/2024
 Project Name: OGDEN STATE 5H
 Project Number: NOT GIVEN
 Project Location: UL/ O SEC 2 T25S - R26E

Sampling Date: 05/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 1 (H243000-01)

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	05/31/2024	ND	1.87	93.4	2.00	2.35		
Toluene*	<0.050	0.050	05/31/2024	ND	1.98	99.2	2.00	2.40		
Ethylbenzene*	<0.050	0.050	05/31/2024	ND	1.97	98.6	2.00	2.74		
Total Xylenes*	<0.150	0.150	05/31/2024	ND	6.09	102	6.00	2.15		
Total BTEX	<0.300	0.300	05/31/2024	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	16.0	16.0	05/31/2024	ND	416	104	400	7.41	

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	05/31/2024	ND	188	94.2	200	2.49	
DRO >C10-C28*	<10.0	10.0	05/31/2024	ND	177	88.3	200	3.97	
EXT DRO >C28-C36	<10.0	10.0	05/31/2024	ND					

Surrogate: 1-Chlorooctane 77.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.4 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received: 05/29/2024
 Reported: 06/03/2024
 Project Name: OGDEN STATE 5H
 Project Number: NOT GIVEN
 Project Location: UL/ O SEC 2 T25S - R26E

Sampling Date: 05/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 2 (H243000-02)

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	05/31/2024	ND	1.87	93.4	2.00	2.35		
Toluene*	<0.050	0.050	05/31/2024	ND	1.98	99.2	2.00	2.40		
Ethylbenzene*	<0.050	0.050	05/31/2024	ND	1.97	98.6	2.00	2.74		
Total Xylenes*	<0.150	0.150	05/31/2024	ND	6.09	102	6.00	2.15		
Total BTEX	<0.300	0.300	05/31/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	32.0	16.0	05/31/2024	ND	416	104	400	7.41		

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	05/30/2024	ND	197	98.6	200	0.558	
DRO >C10-C28*	<10.0	10.0	05/30/2024	ND	194	97.0	200	0.663	
EXT DRO >C28-C36	<10.0	10.0	05/30/2024	ND					

Surrogate: 1-Chlorooctane 82.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.6 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received: 05/29/2024
 Reported: 06/03/2024
 Project Name: OGDEN STATE 5H
 Project Number: NOT GIVEN
 Project Location: UL/ O SEC 2 T25S - R26E

Sampling Date: 05/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 3 (H243000-03)

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	05/31/2024	ND	1.87	93.4	2.00	2.35		
Toluene*	<0.050	0.050	05/31/2024	ND	1.98	99.2	2.00	2.40		
Ethylbenzene*	<0.050	0.050	05/31/2024	ND	1.97	98.6	2.00	2.74		
Total Xylenes*	<0.150	0.150	05/31/2024	ND	6.09	102	6.00	2.15		
Total BTEX	<0.300	0.300	05/31/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	32.0	16.0	05/31/2024	ND	416	104	400	7.41	

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	05/30/2024	ND	197	98.6	200	0.558	
DRO >C10-C28*	<10.0	10.0	05/30/2024	ND	194	97.0	200	0.663	
EXT DRO >C28-C36	<10.0	10.0	05/30/2024	ND					

Surrogate: 1-Chlorooctane 87.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.4 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received: 05/29/2024
 Reported: 06/03/2024
 Project Name: OGDEN STATE 5H
 Project Number: NOT GIVEN
 Project Location: UL/ O SEC 2 T25S - R26E

Sampling Date: 05/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 4 (H243000-04)

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	05/31/2024	ND	1.87	93.4	2.00	2.35	
Toluene*	<0.050	0.050	05/31/2024	ND	1.98	99.2	2.00	2.40	
Ethylbenzene*	<0.050	0.050	05/31/2024	ND	1.97	98.6	2.00	2.74	
Total Xylenes*	<0.150	0.150	05/31/2024	ND	6.09	102	6.00	2.15	
Total BTEX	<0.300	0.300	05/31/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	32.0	16.0	05/31/2024	ND	416	104	400	7.41	

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	05/30/2024	ND	197	98.6	200	0.558	
DRO >C10-C28*	<10.0	10.0	05/30/2024	ND	194	97.0	200	0.663	
EXT DRO >C28-C36	<10.0	10.0	05/30/2024	ND					

Surrogate: 1-Chlorooctane 78.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.8 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received: 05/29/2024
 Reported: 06/03/2024
 Project Name: OGDEN STATE 5H
 Project Number: NOT GIVEN
 Project Location: UL/ O SEC 2 T25S - R26E

Sampling Date: 05/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 5 (H243000-05)

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	05/31/2024	ND	1.87	93.4	2.00	2.35		
Toluene*	<0.050	0.050	05/31/2024	ND	1.98	99.2	2.00	2.40		
Ethylbenzene*	<0.050	0.050	05/31/2024	ND	1.97	98.6	2.00	2.74		
Total Xylenes*	<0.150	0.150	05/31/2024	ND	6.09	102	6.00	2.15		
Total BTEX	<0.300	0.300	05/31/2024	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	16.0	16.0	05/31/2024	ND	416	104	400	7.41		

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	05/30/2024	ND	197	98.6	200	0.558	
DRO >C10-C28*	<10.0	10.0	05/30/2024	ND	194	97.0	200	0.663	
EXT DRO >C28-C36	<10.0	10.0	05/30/2024	ND					

Surrogate: 1-Chlorooctane 86.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received: 05/29/2024
 Reported: 06/03/2024
 Project Name: OGDEN STATE 5H
 Project Number: NOT GIVEN
 Project Location: UL/ O SEC 2 T25S - R26E

Sampling Date: 05/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 6 (H243000-06)

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	05/31/2024	ND	1.87	93.4	2.00	2.35		
Toluene*	<0.050	0.050	05/31/2024	ND	1.98	99.2	2.00	2.40		
Ethylbenzene*	<0.050	0.050	05/31/2024	ND	1.97	98.6	2.00	2.74		
Total Xylenes*	<0.150	0.150	05/31/2024	ND	6.09	102	6.00	2.15		
Total BTEx	<0.300	0.300	05/31/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/31/2024	ND	448	112	400	3.64		

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	05/30/2024	ND	197	98.6	200	0.558	
DRO >C10-C28*	<10.0	10.0	05/30/2024	ND	194	97.0	200	0.663	
EXT DRO >C28-C36	<10.0	10.0	05/30/2024	ND					

Surrogate: 1-Chlorooctane 85.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received: 05/29/2024
 Reported: 06/03/2024
 Project Name: OGDEN STATE 5H
 Project Number: NOT GIVEN
 Project Location: UL/ O SEC 2 T25S - R26E

Sampling Date: 05/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 7 (H243000-07)

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	05/31/2024	ND	1.87	93.4	2.00	2.35		
Toluene*	<0.050	0.050	05/31/2024	ND	1.98	99.2	2.00	2.40		
Ethylbenzene*	<0.050	0.050	05/31/2024	ND	1.97	98.6	2.00	2.74		
Total Xylenes*	<0.150	0.150	05/31/2024	ND	6.09	102	6.00	2.15		
Total BTEX	<0.300	0.300	05/31/2024	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	16.0	16.0	05/31/2024	ND	448	112	400	3.64		

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	05/30/2024	ND	197	98.6	200	0.558	
DRO >C10-C28*	<10.0	10.0	05/30/2024	ND	194	97.0	200	0.663	
EXT DRO >C28-C36	<10.0	10.0	05/30/2024	ND					

Surrogate: 1-Chlorooctane 94.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received: 05/29/2024
 Reported: 06/03/2024
 Project Name: OGDEN STATE 5H
 Project Number: NOT GIVEN
 Project Location: UL/ O SEC 2 T25S - R26E

Sampling Date: 05/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 8 (H243000-08)

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	05/31/2024	ND	1.87	93.4	2.00	2.35		
Toluene*	<0.050	0.050	05/31/2024	ND	1.98	99.2	2.00	2.40		
Ethylbenzene*	<0.050	0.050	05/31/2024	ND	1.97	98.6	2.00	2.74		
Total Xylenes*	<0.150	0.150	05/31/2024	ND	6.09	102	6.00	2.15		
Total BTEX	<0.300	0.300	05/31/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	16.0	16.0	05/31/2024	ND	448	112	400	3.64		

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	05/31/2024	ND	197	98.6	200	0.558	
DRO >C10-C28*	<10.0	10.0	05/31/2024	ND	194	97.0	200	0.663	
EXT DRO >C28-C36	<10.0	10.0	05/31/2024	ND					

Surrogate: 1-Chlorooctane 96.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received: 05/29/2024
 Reported: 06/03/2024
 Project Name: OGDEN STATE 5H
 Project Number: NOT GIVEN
 Project Location: UL/ O SEC 2 T25S - R26E

Sampling Date: 05/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 9 (H243000-09)

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	05/31/2024	ND	1.87	93.4	2.00	2.35		
Toluene*	<0.050	0.050	05/31/2024	ND	1.98	99.2	2.00	2.40		
Ethylbenzene*	<0.050	0.050	05/31/2024	ND	1.97	98.6	2.00	2.74		
Total Xylenes*	<0.150	0.150	05/31/2024	ND	6.09	102	6.00	2.15		
Total BTEX	<0.300	0.300	05/31/2024	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	32.0	16.0	05/31/2024	ND	448	112	400	3.64		

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	05/31/2024	ND	197	98.6	200	0.558	
DRO >C10-C28*	<10.0	10.0	05/31/2024	ND	194	97.0	200	0.663	
EXT DRO >C28-C36	<10.0	10.0	05/31/2024	ND					

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received: 05/29/2024
 Reported: 06/03/2024
 Project Name: OGDEN STATE 5H
 Project Number: NOT GIVEN
 Project Location: UL/ O SEC 2 T25S - R26E

Sampling Date: 05/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 10 (H243000-10)

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	05/31/2024	ND	1.87	93.4	2.00	2.35	
Toluene*	<0.050	0.050	05/31/2024	ND	1.98	99.2	2.00	2.40	
Ethylbenzene*	<0.050	0.050	05/31/2024	ND	1.97	98.6	2.00	2.74	
Total Xylenes*	<0.150	0.150	05/31/2024	ND	6.09	102	6.00	2.15	
Total BTEX	<0.300	0.300	05/31/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	16.0	16.0	05/31/2024	ND	448	112	400	3.64		

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	05/31/2024	ND	197	98.6	200	0.558	
DRO >C10-C28*	<10.0	10.0	05/31/2024	ND	194	97.0	200	0.663	
EXT DRO >C28-C36	<10.0	10.0	05/31/2024	ND					

Surrogate: 1-Chlorooctane 94.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received: 05/29/2024
 Reported: 06/03/2024
 Project Name: OGDEN STATE 5H
 Project Number: NOT GIVEN
 Project Location: UL/ O SEC 2 T25S - R26E

Sampling Date: 05/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 11 (H243000-11)

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	05/31/2024	ND	1.87	93.4	2.00	2.35	
Toluene*	<0.050	0.050	05/31/2024	ND	1.98	99.2	2.00	2.40	
Ethylbenzene*	<0.050	0.050	05/31/2024	ND	1.97	98.6	2.00	2.74	
Total Xylenes*	<0.150	0.150	05/31/2024	ND	6.09	102	6.00	2.15	
Total BTEX	<0.300	0.300	05/31/2024	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	32.0	16.0	05/31/2024	ND	448	112	400	3.64		

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	05/31/2024	ND	197	98.6	200	0.558	
DRO >C10-C28*	<10.0	10.0	05/31/2024	ND	194	97.0	200	0.663	
EXT DRO >C28-C36	<10.0	10.0	05/31/2024	ND					

Surrogate: 1-Chlorooctane 93.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received: 05/29/2024
 Reported: 06/03/2024
 Project Name: OGDEN STATE 5H
 Project Number: NOT GIVEN
 Project Location: UL/ O SEC 2 T25S - R26E

Sampling Date: 05/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 12 (H243000-12)

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	05/31/2024	ND	1.87	93.4	2.00	2.35	
Toluene*	<0.050	0.050	05/31/2024	ND	1.98	99.2	2.00	2.40	
Ethylbenzene*	<0.050	0.050	05/31/2024	ND	1.97	98.6	2.00	2.74	
Total Xylenes*	<0.150	0.150	05/31/2024	ND	6.09	102	6.00	2.15	
Total BTEX	<0.300	0.300	05/31/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	16.0	16.0	05/31/2024	ND	448	112	400	3.64	

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	05/31/2024	ND	197	98.6	200	0.558	
DRO >C10-C28*	<10.0	10.0	05/31/2024	ND	194	97.0	200	0.663	
EXT DRO >C28-C36	<10.0	10.0	05/31/2024	ND					

Surrogate: 1-Chlorooctane 72.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.7 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received: 05/29/2024
 Reported: 06/03/2024
 Project Name: OGDEN STATE 5H
 Project Number: NOT GIVEN
 Project Location: UL/ O SEC 2 T25S - R26E

Sampling Date: 05/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 13 (H243000-13)

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	05/31/2024	ND	1.87	93.4	2.00	2.35		
Toluene*	<0.050	0.050	05/31/2024	ND	1.98	99.2	2.00	2.40		
Ethylbenzene*	<0.050	0.050	05/31/2024	ND	1.97	98.6	2.00	2.74		
Total Xylenes*	<0.150	0.150	05/31/2024	ND	6.09	102	6.00	2.15		
Total BTEX	<0.300	0.300	05/31/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	32.0	16.0	05/31/2024	ND	448	112	400	3.64		

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	05/31/2024	ND	197	98.6	200	0.558	
DRO >C10-C28*	<10.0	10.0	05/31/2024	ND	194	97.0	200	0.663	
EXT DRO >C28-C36	<10.0	10.0	05/31/2024	ND					

Surrogate: 1-Chlorooctane 78.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.3 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received: 05/29/2024
 Reported: 06/03/2024
 Project Name: OGDEN STATE 5H
 Project Number: NOT GIVEN
 Project Location: UL/ O SEC 2 T25S - R26E

Sampling Date: 05/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 14 (H243000-14)

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	05/31/2024	ND	1.87	93.4	2.00	2.35	
Toluene*	<0.050	0.050	05/31/2024	ND	1.98	99.2	2.00	2.40	
Ethylbenzene*	<0.050	0.050	05/31/2024	ND	1.97	98.6	2.00	2.74	
Total Xylenes*	<0.150	0.150	05/31/2024	ND	6.09	102	6.00	2.15	
Total BTEX	<0.300	0.300	05/31/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	16.0	16.0	05/31/2024	ND	448	112	400	3.64		

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	05/31/2024	ND	197	98.6	200	0.558	
DRO >C10-C28*	<10.0	10.0	05/31/2024	ND	194	97.0	200	0.663	
EXT DRO >C28-C36	<10.0	10.0	05/31/2024	ND					

Surrogate: 1-Chlorooctane 69.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.6 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received: 05/29/2024
 Reported: 06/03/2024
 Project Name: OGDEN STATE 5H
 Project Number: NOT GIVEN
 Project Location: UL/ O SEC 2 T25S - R26E

Sampling Date: 05/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 15 (H243000-15)

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	05/31/2024	ND	1.62	81.2	2.00	1.68	
Toluene*	<0.050	0.050	05/31/2024	ND	1.73	86.5	2.00	1.59	
Ethylbenzene*	<0.050	0.050	05/31/2024	ND	1.79	89.3	2.00	2.08	
Total Xylenes*	<0.150	0.150	05/31/2024	ND	5.40	90.0	6.00	2.15	
Total BTEX	<0.300	0.300	05/31/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	16.0	16.0	05/31/2024	ND	448	112	400	3.64		

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	05/31/2024	ND	197	98.6	200	0.558	
DRO >C10-C28*	<10.0	10.0	05/31/2024	ND	194	97.0	200	0.663	
EXT DRO >C28-C36	<10.0	10.0	05/31/2024	ND					

Surrogate: 1-Chlorooctane 84.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.6 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received: 05/29/2024
 Reported: 06/03/2024
 Project Name: OGDEN STATE 5H
 Project Number: NOT GIVEN
 Project Location: UL/ O SEC 2 T25S - R26E

Sampling Date: 05/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 16 (H243000-16)

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	05/31/2024	ND	1.62	81.2	2.00	1.68	
Toluene*	<0.050	0.050	05/31/2024	ND	1.73	86.5	2.00	1.59	
Ethylbenzene*	<0.050	0.050	05/31/2024	ND	1.79	89.3	2.00	2.08	
Total Xylenes*	<0.150	0.150	05/31/2024	ND	5.40	90.0	6.00	2.15	
Total BTEX	<0.300	0.300	05/31/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 122 % 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	32.0	16.0	05/31/2024	ND	448	112	400	3.64		

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	05/31/2024	ND	197	98.6	200	0.558	
DRO >C10-C28*	<10.0	10.0	05/31/2024	ND	194	97.0	200	0.663	
EXT DRO >C28-C36	<10.0	10.0	05/31/2024	ND					

Surrogate: 1-Chlorooctane 77.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.7 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received: 05/29/2024
 Reported: 06/03/2024
 Project Name: OGDEN STATE 5H
 Project Number: NOT GIVEN
 Project Location: UL/ O SEC 2 T25S - R26E

Sampling Date: 05/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 17 (H243000-17)

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	05/31/2024	ND	1.62	81.2	2.00	1.68		
Toluene*	<0.050	0.050	05/31/2024	ND	1.73	86.5	2.00	1.59		
Ethylbenzene*	<0.050	0.050	05/31/2024	ND	1.79	89.3	2.00	2.08		
Total Xylenes*	<0.150	0.150	05/31/2024	ND	5.40	90.0	6.00	2.15		
Total BTEx	<0.300	0.300	05/31/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 124 % 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	16.0	16.0	05/31/2024	ND	448	112	400	3.64		

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	05/31/2024	ND	197	98.6	200	0.558	
DRO >C10-C28*	<10.0	10.0	05/31/2024	ND	194	97.0	200	0.663	
EXT DRO >C28-C36	<10.0	10.0	05/31/2024	ND					

Surrogate: 1-Chlorooctane 89.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received: 05/29/2024
 Reported: 06/03/2024
 Project Name: OGDEN STATE 5H
 Project Number: NOT GIVEN
 Project Location: UL/ O SEC 2 T25S - R26E

Sampling Date: 05/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 18 (H243000-18)

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	05/31/2024	ND	1.62	81.2	2.00	1.68	
Toluene*	<0.050	0.050	05/31/2024	ND	1.73	86.5	2.00	1.59	
Ethylbenzene*	<0.050	0.050	05/31/2024	ND	1.79	89.3	2.00	2.08	
Total Xylenes*	<0.150	0.150	05/31/2024	ND	5.40	90.0	6.00	2.15	
Total BTEX	<0.300	0.300	05/31/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	32.0	16.0	05/31/2024	ND	448	112	400	3.64	

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	05/31/2024	ND	197	98.6	200	0.558	
DRO >C10-C28*	<10.0	10.0	05/31/2024	ND	194	97.0	200	0.663	
EXT DRO >C28-C36	<10.0	10.0	05/31/2024	ND					

Surrogate: 1-Chlorooctane 90.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.9 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received: 05/29/2024
 Reported: 06/03/2024
 Project Name: OGDEN STATE 5H
 Project Number: NOT GIVEN
 Project Location: UL/ O SEC 2 T25S - R26E

Sampling Date: 05/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 19 (H243000-19)

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	05/31/2024	ND	1.62	81.2	2.00	1.68	
Toluene*	<0.050	0.050	05/31/2024	ND	1.73	86.5	2.00	1.59	
Ethylbenzene*	<0.050	0.050	05/31/2024	ND	1.79	89.3	2.00	2.08	
Total Xylenes*	<0.150	0.150	05/31/2024	ND	5.40	90.0	6.00	2.15	
Total BTEX	<0.300	0.300	05/31/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 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	16.0	16.0	05/31/2024	ND	448	112	400	3.64		

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	05/31/2024	ND	197	98.6	200	0.558	
DRO >C10-C28*	<10.0	10.0	05/31/2024	ND	194	97.0	200	0.663	
EXT DRO >C28-C36	<10.0	10.0	05/31/2024	ND					

Surrogate: 1-Chlorooctane 91.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received: 05/29/2024
 Reported: 06/03/2024
 Project Name: OGDEN STATE 5H
 Project Number: NOT GIVEN
 Project Location: UL/ O SEC 2 T25S - R26E

Sampling Date: 05/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW 1 (H243000-20)

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	05/31/2024	ND	1.62	81.2	2.00	1.68		
Toluene*	<0.050	0.050	05/31/2024	ND	1.73	86.5	2.00	1.59		
Ethylbenzene*	<0.050	0.050	05/31/2024	ND	1.79	89.3	2.00	2.08		
Total Xylenes*	<0.150	0.150	05/31/2024	ND	5.40	90.0	6.00	2.15		
Total BTEX	<0.300	0.300	05/31/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 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	16.0	16.0	05/31/2024	ND	448	112	400	3.64		

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	05/31/2024	ND	197	98.6	200	0.558	
DRO >C10-C28*	<10.0	10.0	05/31/2024	ND	194	97.0	200	0.663	
EXT DRO >C28-C36	<10.0	10.0	05/31/2024	ND					

Surrogate: 1-Chlorooctane 88.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received: 05/29/2024
 Reported: 06/03/2024
 Project Name: OGDEN STATE 5H
 Project Number: NOT GIVEN
 Project Location: UL/ O SEC 2 T25S - R26E

Sampling Date: 05/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW 2 (H243000-21)

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	05/31/2024	ND	1.62	81.2	2.00	1.68		
Toluene*	<0.050	0.050	05/31/2024	ND	1.73	86.5	2.00	1.59		
Ethylbenzene*	<0.050	0.050	05/31/2024	ND	1.79	89.3	2.00	2.08		
Total Xylenes*	<0.150	0.150	05/31/2024	ND	5.40	90.0	6.00	2.15		
Total BTEX	<0.300	0.300	05/31/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 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	32.0	16.0	05/31/2024	ND	448	112	400	3.64		

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	05/31/2024	ND	197	98.6	200	0.558	
DRO >C10-C28*	<10.0	10.0	05/31/2024	ND	194	97.0	200	0.663	
EXT DRO >C28-C36	<10.0	10.0	05/31/2024	ND					

Surrogate: 1-Chlorooctane 93.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received: 05/29/2024
 Reported: 06/03/2024
 Project Name: OGDEN STATE 5H
 Project Number: NOT GIVEN
 Project Location: UL/ O SEC 2 T25S - R26E

Sampling Date: 05/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW 3 (H243000-22)

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	05/31/2024	ND	1.62	81.2	2.00	1.68		
Toluene*	<0.050	0.050	05/31/2024	ND	1.73	86.5	2.00	1.59		
Ethylbenzene*	<0.050	0.050	05/31/2024	ND	1.79	89.3	2.00	2.08		
Total Xylenes*	<0.150	0.150	05/31/2024	ND	5.40	90.0	6.00	2.15		
Total BTEX	<0.300	0.300	05/31/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	16.0	16.0	05/31/2024	ND	448	112	400	3.64		

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	05/30/2024	ND	197	98.5	200	1.90	
DRO >C10-C28*	<10.0	10.0	05/30/2024	ND	201	100	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	05/30/2024	ND					

Surrogate: 1-Chlorooctane 75.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 61.8 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received: 05/29/2024
 Reported: 06/03/2024
 Project Name: OGDEN STATE 5H
 Project Number: NOT GIVEN
 Project Location: UL/ O SEC 2 T25S - R26E

Sampling Date: 05/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW 4 (H243000-23)

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	05/31/2024	ND	1.62	81.2	2.00	1.68		
Toluene*	<0.050	0.050	05/31/2024	ND	1.73	86.5	2.00	1.59		
Ethylbenzene*	<0.050	0.050	05/31/2024	ND	1.79	89.3	2.00	2.08		
Total Xylenes*	<0.150	0.150	05/31/2024	ND	5.40	90.0	6.00	2.15		
Total BTEX	<0.300	0.300	05/31/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 131 % 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	32.0	16.0	05/31/2024	ND	448	112	400	3.64		

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	05/30/2024	ND	197	98.5	200	1.90	
DRO >C10-C28*	<10.0	10.0	05/30/2024	ND	201	100	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	05/30/2024	ND					

Surrogate: 1-Chlorooctane 79.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 64.8 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received: 05/29/2024
 Reported: 06/03/2024
 Project Name: OGDEN STATE 5H
 Project Number: NOT GIVEN
 Project Location: UL/ O SEC 2 T25S - R26E

Sampling Date: 05/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW 5 (H243000-24)

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	05/31/2024	ND	1.62	81.2	2.00	1.68		
Toluene*	<0.050	0.050	05/31/2024	ND	1.73	86.5	2.00	1.59		
Ethylbenzene*	<0.050	0.050	05/31/2024	ND	1.79	89.3	2.00	2.08		
Total Xylenes*	<0.150	0.150	05/31/2024	ND	5.40	90.0	6.00	2.15		
Total BTEX	<0.300	0.300	05/31/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 133 % 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	16.0	16.0	05/31/2024	ND	448	112	400	3.64		

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	05/30/2024	ND	197	98.5	200	1.90	
DRO >C10-C28*	<10.0	10.0	05/30/2024	ND	201	100	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	05/30/2024	ND					

Surrogate: 1-Chlorooctane 94.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.6 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received: 05/29/2024
 Reported: 06/03/2024
 Project Name: OGDEN STATE 5H
 Project Number: NOT GIVEN
 Project Location: UL/ O SEC 2 T25S - R26E

Sampling Date: 05/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW 6 (H243000-25)

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	05/31/2024	ND	1.62	81.2	2.00	1.68		
Toluene*	<0.050	0.050	05/31/2024	ND	1.73	86.5	2.00	1.59		
Ethylbenzene*	<0.050	0.050	05/31/2024	ND	1.79	89.3	2.00	2.08		
Total Xylenes*	<0.150	0.150	05/31/2024	ND	5.40	90.0	6.00	2.15		
Total BTEX	<0.300	0.300	05/31/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	32.0	16.0	05/31/2024	ND	448	112	400	3.64		

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	05/30/2024	ND	197	98.5	200	1.90	
DRO >C10-C28*	<10.0	10.0	05/30/2024	ND	201	100	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	05/30/2024	ND					

Surrogate: 1-Chlorooctane 90.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.3 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received: 05/29/2024
 Reported: 06/03/2024
 Project Name: OGDEN STATE 5H
 Project Number: NOT GIVEN
 Project Location: UL/ O SEC 2 T25S - R26E

Sampling Date: 05/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW 7 (H243000-26)

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	05/31/2024	ND	1.62	81.2	2.00	1.68		
Toluene*	<0.050	0.050	05/31/2024	ND	1.73	86.5	2.00	1.59		
Ethylbenzene*	<0.050	0.050	05/31/2024	ND	1.79	89.3	2.00	2.08		
Total Xylenes*	<0.150	0.150	05/31/2024	ND	5.40	90.0	6.00	2.15		
Total BTEX	<0.300	0.300	05/31/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	16.0	16.0	05/31/2024	ND	416	104	400	3.77		

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	05/30/2024	ND	197	98.5	200	1.90	
DRO >C10-C28*	<10.0	10.0	05/30/2024	ND	201	100	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	05/30/2024	ND					

Surrogate: 1-Chlorooctane 87.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.4 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received: 05/29/2024
 Reported: 06/03/2024
 Project Name: OGDEN STATE 5H
 Project Number: NOT GIVEN
 Project Location: UL/ O SEC 2 T25S - R26E

Sampling Date: 05/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW 8 (H243000-27)

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	05/31/2024	ND	1.62	81.2	2.00	1.68		
Toluene*	<0.050	0.050	05/31/2024	ND	1.73	86.5	2.00	1.59		
Ethylbenzene*	<0.050	0.050	05/31/2024	ND	1.79	89.3	2.00	2.08		
Total Xylenes*	<0.150	0.150	05/31/2024	ND	5.40	90.0	6.00	2.15		
Total BTEX	<0.300	0.300	05/31/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 128 % 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	32.0	16.0	05/31/2024	ND	416	104	400	3.77		

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	05/30/2024	ND	197	98.5	200	1.90	
DRO >C10-C28*	<10.0	10.0	05/30/2024	ND	201	100	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	05/30/2024	ND					

Surrogate: 1-Chlorooctane 95.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.2 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received: 05/29/2024
 Reported: 06/03/2024
 Project Name: OGDEN STATE 5H
 Project Number: NOT GIVEN
 Project Location: UL/ O SEC 2 T25S - R26E

Sampling Date: 05/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW 9 (H243000-28)

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	05/31/2024	ND	1.62	81.2	2.00	1.68		
Toluene*	<0.050	0.050	05/31/2024	ND	1.73	86.5	2.00	1.59		
Ethylbenzene*	<0.050	0.050	05/31/2024	ND	1.79	89.3	2.00	2.08		
Total Xylenes*	<0.150	0.150	05/31/2024	ND	5.40	90.0	6.00	2.15		
Total BTEX	<0.300	0.300	05/31/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 128 % 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	16.0	16.0	05/31/2024	ND	416	104	400	3.77		

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	05/30/2024	ND	197	98.5	200	1.90	
DRO >C10-C28*	<10.0	10.0	05/30/2024	ND	201	100	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	05/30/2024	ND					

Surrogate: 1-Chlorooctane 98.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.2 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received: 05/29/2024
 Reported: 06/03/2024
 Project Name: OGDEN STATE 5H
 Project Number: NOT GIVEN
 Project Location: UL/ O SEC 2 T25S - R26E

Sampling Date: 05/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW 10 (H243000-29)

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	05/31/2024	ND	1.62	81.2	2.00	1.68		
Toluene*	<0.050	0.050	05/31/2024	ND	1.73	86.5	2.00	1.59		
Ethylbenzene*	<0.050	0.050	05/31/2024	ND	1.79	89.3	2.00	2.08		
Total Xylenes*	<0.150	0.150	05/31/2024	ND	5.40	90.0	6.00	2.15		
Total BTEx	<0.300	0.300	05/31/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 131 % 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	16.0	16.0	05/31/2024	ND	416	104	400	3.77		

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	05/30/2024	ND	197	98.5	200	1.90	
DRO >C10-C28*	<10.0	10.0	05/30/2024	ND	201	100	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	05/30/2024	ND					

Surrogate: 1-Chlorooctane 93.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.3 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received: 05/29/2024
 Reported: 06/03/2024
 Project Name: OGDEN STATE 5H
 Project Number: NOT GIVEN
 Project Location: UL/ O SEC 2 T25S - R26E

Sampling Date: 05/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW 11 (H243000-30)

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	05/31/2024	ND	1.62	81.2	2.00	1.68		
Toluene*	<0.050	0.050	05/31/2024	ND	1.73	86.5	2.00	1.59		
Ethylbenzene*	<0.050	0.050	05/31/2024	ND	1.79	89.3	2.00	2.08		
Total Xylenes*	<0.150	0.150	05/31/2024	ND	5.40	90.0	6.00	2.15		
Total BTEx	<0.300	0.300	05/31/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 131 % 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	16.0	16.0	05/31/2024	ND	416	104	400	3.77		

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	05/30/2024	ND	197	98.5	200	1.90	
DRO >C10-C28*	<10.0	10.0	05/30/2024	ND	201	100	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	05/30/2024	ND					

Surrogate: 1-Chlorooctane 92.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.1 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

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 "Mike Snyder", written over a horizontal line.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Hungry Horse LLC										Project Manager: Daniel Dominguez										Address: 4024 Plains Hwy										City: Lovington										State: NM										Zip: 88260										P.O. #: 5325 Sierra Vista										Attn: Greg Boans										Company: Murchison Oil & Gas										Project Name: Ogden State 5H										Project Location: U/L O Sec 2 T25S - R26E										Sample Name: Jerry Heidelberg										FOR LAB USE ONLY										Lab I.D. Sample I.D.										H243000										FL1										FL2										FL3										FL4										FL5										FL6										FL7										FL8										FL9										FL10										CL1										CL2										CL3										CL4										CL5										CL6										CL7										CL8										CL9										CL10										CL11										CL12										CL13										CL14										CL15										CL16										CL17										CL18										CL19										CL20										CL21										CL22										CL23										CL24										CL25										CL26										CL27										CL28										CL29										CL30										CL31										CL32										CL33										CL34										CL35										CL36										CL37										CL38										CL39										CL40										CL41										CL42										CL43										CL44										CL45										CL46										CL47										CL48										CL49										CL50										CL51										CL52										CL53										CL54										CL55										CL56										CL57										CL58										CL59										CL60										CL61										CL62										CL63										CL64										CL65										CL66										CL67										CL68										CL69										CL70										CL71										CL72										CL73										CL74										CL75										CL76										CL77										CL78										CL79										CL80										CL81										CL82										CL83										CL84										CL85										CL86										CL87										CL88										CL89										CL90										CL91										CL92										CL93										CL94										CL95										CL96										CL97										CL98										CL99										CL100										CL101										CL102										CL103										CL104										CL105										CL106										CL107										CL108										CL109										CL110										CL111										CL112										CL113										CL114										CL115										CL116										CL117										CL118										CL119										CL120										CL121										CL122										CL123										CL124										CL125										CL126										CL127										CL128										CL129										CL130										CL131										CL132										CL133										CL134										CL135										CL136										CL137										CL138										CL139										CL140										CL141										CL142										CL143										CL144										CL145										CL146										CL147										CL148										CL149										CL150										CL151										CL152										CL153										CL154										CL155										CL156										CL157										CL158										CL159										CL160										CL161										CL162										CL163										CL164										CL165										CL166										CL167										CL168										CL169										CL170										CL171										CL172										CL173										CL174										CL175										CL176										CL177										CL178										CL179										CL180										CL181										CL182										CL183										CL184										CL185										CL186										CL187										CL188										CL189										CL190										CL191										CL192										CL193										CL194										CL195										CL196										CL197										CL198										CL199										CL200										CL201										CL202										CL203										CL204										CL205										CL206										CL207										CL208										CL209										CL210										CL211										CL212										CL213										CL214										CL215										CL216										CL217										CL218										CL219										CL220										CL221										CL222										CL223										CL224										CL225										CL226										CL227										CL228										CL229										CL230										CL231										CL232										CL233										CL234										CL235										CL236										CL237										CL238										CL239										CL240										CL241										CL242										CL243										CL244										CL245										CL246										CL247										CL248										CL249										CL250										CL251										CL252										CL253										CL254										CL255										CL256										CL257										CL258										CL259										CL260										CL261										CL262										CL263										CL264										CL265										CL266										CL267										CL268										CL269										CL270										CL271										CL272										CL273										CL274										CL275										CL276										CL277										CL278										CL279										CL280										CL281										CL282										CL283										CL284										CL285										CL286										CL287										CL288										CL289										CL290										CL291										CL292										CL293										CL294										CL295									
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Page 34 of 35

Released to Imaging: 8/13/2024 9:42:54 AM



Page 35 of 35

Released to Imaging: 8/13/2024 9:42:54 AM



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

July 29, 2024

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: OGDEN STATE 5H

Enclosed are the results of analyses for samples received by the laboratory on 07/25/24 13:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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.

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 written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received:	07/25/2024	Sampling Date:	07/24/2024
Reported:	07/29/2024	Sampling Type:	Soil
Project Name:	OGDEN STATE 5H	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Tamara Oldaker
Project Location:	UL/ O SEC 2 T25S - R26E		

Sample ID: TOPSOIL (H244442-01)

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	07/26/2024	ND	1.95	97.3	2.00	4.07	
Toluene*	<0.050	0.050	07/26/2024	ND	1.92	96.2	2.00	3.72	
Ethylbenzene*	<0.050	0.050	07/26/2024	ND	1.96	97.9	2.00	2.94	
Total Xylenes*	<0.150	0.150	07/26/2024	ND	5.80	96.7	6.00	2.31	
Total BTEX	<0.300	0.300	07/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 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	16.0	16.0	07/26/2024	ND	448	112	400	3.64	

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	07/26/2024	ND	195	97.7	200	0.931	
DRO >C10-C28*	<10.0	10.0	07/26/2024	ND	184	91.8	200	1.59	
EXT DRO >C28-C36	<10.0	10.0	07/26/2024	ND					

Surrogate: 1-Chlorooctane 82.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.3 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received: 07/25/2024
 Reported: 07/29/2024
 Project Name: OGDEN STATE 5H
 Project Number: MURCHISON
 Project Location: UL/ O SEC 2 T25S - R26E

Sampling Date: 07/24/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CALICHE (H244442-02)

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	07/26/2024	ND	1.95	97.3	2.00	4.07	
Toluene*	<0.050	0.050	07/26/2024	ND	1.92	96.2	2.00	3.72	
Ethylbenzene*	<0.050	0.050	07/26/2024	ND	1.96	97.9	2.00	2.94	
Total Xylenes*	<0.150	0.150	07/26/2024	ND	5.80	96.7	6.00	2.31	
Total BTX	<0.300	0.300	07/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 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	64.0	16.0	07/26/2024	ND	448	112	400	3.64	

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	07/26/2024	ND	195	97.7	200	0.931	
DRO >C10-C28*	<10.0	10.0	07/26/2024	ND	184	91.8	200	1.59	
EXT DRO >C28-C36	<10.0	10.0	07/26/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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

Celey D. Keene, Lab Director/Quality Manager

Attachment VII
Boone Archaeological Consultants, LLC Archaeological Survey



Stephanie Garcia Richard, Commissioner of Public Lands
State of New Mexico

NMSLO Cultural Resources Cover Sheet Exhibit

NMCRIS Activity Number: 155264

(if applicable)

Exhibit Type (select one)

☐ ARMS Inspection/Review - Summarize the results (select one):

- ☐ (A) The entire area of potential effect or project area has been previously surveyed to current standards and **no cultural properties** were found within the survey area.
- ☐ (B) The entire area of potential effect or project area has been previously surveyed to current standards and **cultural properties were found** within the survey area.
- ☐ (C) The entire area of potential effect or project area has **not** been previously surveyed or **has not been surveyed** to current standards. A complete archaeological survey will be conducted and submitted for review.

☒ Archaeological Survey

Findings:

☒ **Negative** - No further archaeological review is required.

☐ **Positive** - Have avoidance and protection measures been devised? Select one:

Comments: Proposed remediation of the Ogden 5A Pad Release. Archaeological survey was negative for cultural resources.

Project Details:

NMSLO Lease Number (if available):

Cultural Resources Consultant: Boone Archaeological Resource Consultants LLC, BARC

Project Proponent (Applicant): Murchison Oil and Gas, LLC

Project Title/Description: A Class III Archaeological Survey for the Murchison Oil and Gas, LLC Ogden 5H Pad Release, Eddy County, New Mexico

Project Location:

County(ies): Eddy County, NM

PLSS/Section/Township/Range: T25S R26E S2, 11

For NMSLO Agency Use Only:

NMSLO Lease Number:

Acknowledgment-Only:

☐

Lease Analyst:

Date Exhibit Routed to Cultural Resources Office:

No person may alter the wording of the questions or layout of the cover sheet. The completion of this cover sheet by itself does not authorize anyone to engage in new surface disturbing activity before the review and approvals required by the Cultural Properties Protections Rule.

Form Revised 12 22

Attachment VIII

NMSLO Loamy Sites Seed Mixture

NMSLO Seed Mix**Loamy (L)****LOAMY (L) SITES SEED MIXTURE:**

COMMON NAME	VARIETY	APPLICATION RATE (PLS/Acre)	DRILL BOX
Grasses:			
Black grama	VNS, Southern	1.0	D
Blue grama	Lovington	1.0	D
Sideoats grama	Vaughn, El Reno	4.0	F
Sand dropseed	VNS, Southern	2.0	S
Alkali sacaton	VNS, Southern	1.0	
Little bluestem	Cimarron, Pastura	1.5	F
Forbs:			
Firewheel (<i>Gaillardia</i>)	VNS, Southern	1.0	D
Shrubs:			
Fourwing saltbush	Marana, Santa Rita	1.0	D
Common winterfat	VNS, Southern	0.5	F
Total PLS/acre		18.0	

S = Small seed drill box, D = Standard seed drill box, F = Fluffy seed drill box

VNS = Variety Not Stated, PLS = Pure Live Seed

- Seed mixes should be provided in bags separating seed types into the three categories: small (S), standard (D) and fluffy (F).
- VNS, Southern – Seed should be from a southern latitude collection of this species.
- Double seed application rate for broadcast or hydroseeding.
- If one species is not available, contact the SLO for an approved substitute; alternatively the SLO may require other species proportionately increased.
- Additional information on these seed species can be found on the USDA Plants Database website at <http://plants.usda.gov>.



Attachment IX Disposal Manifests

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

REQUIRED INFORMATION

Name

Phone No.



GENERATOR

NO. 332928

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name & No.

County

API No.

Rig Name & No.

AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS:

☐

DRILLING

☐

COMPLETION

☐

PRODUCTION

☐

GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

*please select from Non-Exempt Waste List on back

QUANTITY

B - BARRELS

Y - YARDS

E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒

RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐

RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐

MSDS Information

☐

RCRA Hazardous Waste Analysis

☐

Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's

Name

Address

Phone No.

Driver's Name

Print Name

Phone No.

Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: OUT:

DISPOSAL FACILITY

RECEIVING AREA

Name/No.

Site Name/

Permit No.

Address

Red Bluff Facility/ STF-065

5053 US Highway 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

Chemical Analysis (Mg/l)

Chloride

Conductivity (mmhos/cm)

pH

TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&W/BBLs Received

Free Water

Total Received

BS&W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

Company Main Contact Information

Name

Phone No.

GENERATOR

NO. 333687

Operator No. murchison oil & gas

Operators Name _____

Address _____

City, State, Zip _____

Phone No. _____

Permit/RRC No. oyster 215-0054

Lease/Well Name & No. _____

County _____

API No. _____

Rig Name & No. _____

AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	BCLY
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS 70 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name D-G Hal that services LLC

Address 1871 W. Fairground Rd

Wichita KS 67210

Phone No. _____

Driver's Name Daniel Ruiz

Print Name _____

Phone No. 575 513 2102

Truck No. 6

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 5-10-24 DRIVER'S SIGNATURE Daniel Ruiz DELIVERY DATE 5-10-24 DRIVER'S SIGNATURE Daniel Ruiz

TRUCK TIME STAMP

IN: 10:34 OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. 127

Site Name/ Permit No. Red Bluff Facility/ STF-065

Address 5053 US Highway 285, Orla, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

Chemical Analysis (Mg/l) _____

Conductivity (mmhos/cm) _____

pH

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

BS&W/BBLS Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

REQUIRED INFORMATION

Name

Phone No.

GENERATOR

NO. 332985

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name & No.

County

API No.

Rig Name & No.

AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

*please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's

Name

Address

Phone No.

Driver's Name

Print Name

Phone No.

Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: 11:11 OUT:

DISPOSAL FACILITY

RECEIVING AREA

Name/No.

Site Name/

Permit No.

Address

Red Bluff Facility/ STF-065

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

Chemical Analysis (Mg/l)

Conductivity (mmhos/cm)

pH

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

BS&W/BBLs Received	BS&W (%)
Free Water	
Total Received	

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information

Name Grey BeansPhone No. 575706067

GENERATOR		NO. 333303
Operator No. <u>Murchison 61/010</u>	Permit/RRC No. _____	Lease/Well Name & No. <u>OGDEN state ST</u>
Operators Name _____	County _____	API No. <u>30-015-39993</u>
Address _____	Rig Name & No. _____	AFF/RO No. _____
City, State, Zip _____		
Phone No. _____		

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)		
Oil Based Muds _____	NON-INJECTABLE WATERS _____	OTHER EXEMPT WASTES (type and generation process of the waste) <u>Belly</u>
Oil Based Cuttings _____	Washout Water (Non-Injectable) _____	
Water Based Muds _____	Completion Fluid/Flow back (Non-Injectable) _____	
Water Based Cuttings _____	Produced Water (Non-Injectable) _____	
Produced Formation Solids _____	Gathering Line Water/Waste (Non-Injectable) _____	
Tank Bottoms _____	INTERNAL USE ONLY _____	
E&P Contaminated Soil _____	Truck Washout (exempt waste) _____	
Gas Plant Waste _____		
WASTE GENERATION PROCESS: <input type="checkbox"/> DRILLING <input type="checkbox"/> COMPLETION <input type="checkbox"/> PRODUCTION <input type="checkbox"/> GATHERING LINES		

NON-EXEMPT E&P Waste/Service Identification and Amount	
All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.	
Non-Exempt Other _____	*please select from Non-Exempt Waste List on back

QUANTITY	B - BARRELS	<u>20</u> Y - YARDS	E - EACH
----------	-------------	---------------------	----------

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

Grey Beans 5-13
(PRINT) AUTHORIZED AGENTS SIGNATURE DATE SIGNATURE

TRANSPORTER	
Transporter's Name <u>Hungry horse</u>	Driver's Name <u>Oliver Cerino</u>
Address _____	Print Name _____
Phone No. _____	Phone No. <u>554207333</u>
	Truck No. <u>G</u>

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

5-13-24 [Signature] 5-13 [Signature]
SHIPMENT DATE DRIVER'S SIGNATURE DELIVERY DATE DRIVER'S SIGNATURE

TRUCK TIME STAMP		DISPOSAL FACILITY	RECEIVING AREA
IN: <u>11:58</u>	OUT: <u>[Signature]</u>	Name/No. <u>DT</u>	
Site Name/Permit No. <u>Red Bluff Facility/ STF-065</u>	Phone No. <u>432-448-4239</u>		
Address <u>5053 US Highway 285, Orla, TX 79770</u>			
NORM READINGS TAKEN? (Circle One) YES NO	If YES, was reading > 50 micro roentgens? (circle one) YES NO		
Chemical Analysis (Mg/l) _____	Conductivity (mmhos/cm) _____		pH _____

TANK BOTTOMS			
Feet	Inches	BS&W/BBLs Received	BS&W (%)
1st Gauge _____	_____	Free Water _____	_____
2nd Gauge _____	_____	Total Received _____	_____
Received _____	_____		

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? [Signature]
2-17 [Signature] [Signature]
NAME (PRINT) DATE TITLE SIGNATURE



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information

Name Greg EvansPhone No. 575 706 0467

GENERATOR

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name & No.

County

API No.

Rig Name & No.

AFE/PO No.

NO. 333304Oyden State 5H30-015-3993

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Muds	Washout Water (Non-Injectable)	<u>Belly</u>
Oil Based Cuttings	Completion Fluid/Flow back (Non-Injectable)	
Water Based Muds	Produced Water (Non-Injectable)	
Water Based Cuttings	Gathering Line Water/Waste (Non-Injectable)	
Produced Formation Solids	INTERNAL USE ONLY	
Tank Bottoms	Truck Washout (exempt waste)	
E&P Contaminated Soil		
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

*please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's

Name

Address

Phone No.

Driver's Name

Print Name

Phone No.

Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: 11:09 OUT:

DISPOSAL FACILITY

RECEIVING AREA

Name/No. 157

Site Name/

Permit No.

Address

Red Bluff Facility/ STF-065

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

Chemical Analysis (Mg/l)

Chloride

Conductivity (mmhos/cm)

pH

TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&W/BBLs Received

Free Water

Total Received

BS&W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information

Name Gregg B...Phone No. 972-706-0667

GENERATOR

NO. 333305

Operator No.

Operators Name Murchison oil and Gas

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name & No.

County

API No.

Rig Name & No.

AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Muds		<u>Belly</u>
Oil Based Cuttings		
Water Based Muds		
Water Based Cuttings		
Produced Formation Solids		
Tank Bottoms		
E&P Contaminated Soil		
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

*please select from Non-Exempt Waste List on back

QUANTITY

B - BARRELS

20

Y - YARDS

E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below) 05-13-24

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's

Name Hungry Horse Inc

Address

Phone No.

Driver's Name 05-13-24

Print Name

Phone No.

Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: 7:15 OUT:

DISPOSAL FACILITY

RECEIVING AREA

Name/No. D7

Site Name/

Permit No. Red Bluff Facility/ STF-065

Address

5053 US Highway 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

Chemical Analysis (Mg/l)

Conductivity (mmhos/cm)

pH

TANK BOTTOMS

Feet

Inches

1st Gauge
2nd Gauge
Received

BS&W/BBLS Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

REQUIRED INFORMATION

Name Greg BousPhone No. 361-706-0667

GENERATOR

NO. 333011

Operator No.

Operators Name Murchison Oil & Gas

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name & No.

County

API No.

Rig Name & No.

AFF/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Muds	Washout Water (Non-Injectable)	
Oil Based Cuttings	Completion Fluid/Flow back (Non-Injectable)	
Water Based Muds	Produced Water (Non-Injectable)	
Water Based Cuttings	Gathering Line Water/Waste (Non-Injectable)	
Produced Formation Solids	INTERNAL USE ONLY	
Tank Bottoms	Truck Washout (exempt waste)	
E&P Contaminated Soil		
Gas Plant Waste		

WASTE GENERATION PROCESS:

☐

DRILLING

☐

COMPLETION

☐

PRODUCTION

☐

GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

*please select from Non-Exempt Waste List on back

QUANTITY

B - BARRELS

Y - YARDS

E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐

RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐

RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐

MSDS Information

☐

RCRA Hazardous Waste Analysis

☐

Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name Hangry Horse LLC

Address

Phone No.

Driver's Name OS-13-74

Print Name

Phone No.

Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: 41.48 OUT: 41.48

DISPOSAL FACILITY

RECEIVING AREA

Name/No. D 7

Site Name/

Permit No. Red Bluff Facility/ STF-065

Address

5053 US Highway 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro Roentgens? (circle one)

YES

NO

Chemical Analysis (Mg/l)

Chloride

Conductivity (mmhos/cm)

pH

TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&W/BBLs Received

Free Water

Total Received

BS&W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

REQUIRED INFORMATION

Name _____

Phone No. _____

GENERATOR

NO. 334079

Operator No. _____
Operators Name Murphy Oil & Gas
Address _____
City, State, Zip _____
Phone No. _____

Permit/RRC No. _____
Lease/Well Name & No. ogden shale comm
County _____
API No. _____
Rig Name & No. _____
AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	<u>Ball</u>
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name Hunger Horse
Address Box 1953
Highway 28741
Phone No. _____

Driver's Name Leonardo Ocasio
Print Name _____
Phone No. _____
Truck No. 106

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: 4:07 OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. 127

Site Name/ Permit No. Red Bluff Facility/ STF-065
Address 5053 US Highway 285, Orla, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading > 50 micro roentgens? (circle one) YES NO

Chloride

Conductivity

Chemical Analysis (Mg/l)

(mmhos/cm)

pH

TANK BOTTOMS

1st Gauge Feet _____ Inches _____
2nd Gauge _____
Received _____

BS&W/BBLs Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? _____

NAME (PRINT)

DATE

TITLE

SIGNATURE



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Main Contact Information

(PLEASE PRINT)

REQUIRED INFORMATION

Name

Phone No.

GENERATOR

NO. 334099

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name & No.

County

API No.

Rig Name & No.

AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	Belly
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

*please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

Greg Boans

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's

Name

Address

Phone No.

Driver's Name

Print Name

Phone No.

Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: 1:54 OUT:

DISPOSAL FACILITY

RECEIVING AREA

Name/No. 127

Site Name/

Permit No.

Address

Red Bluff Facility/ STF-065

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

Chloride

Conductivity

(mmhos/cm)

pH

Chemical Analysis (Mg/l)

TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&W/BBLS Received

Free Water

Total Received

BS&W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

Company Name Contact Information

Phone No.

GENERATOR

NO. 334100

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name & No.

County

API No.

Rig Name & No.

AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS:

☐

DRILLING

☐

COMPLETION

☒

PRODUCTION

☐

GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

*please select from Non-Exempt Waste List on back

QUANTITY

B - BARRELS

20

Y - YARDS

E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒

RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐

RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐

MSDS Information

☐

RCRA Hazardous Waste Analysis

☐

Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name

Address

Phone No.

Driver's Name

Print Name

Phone No.

Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

IN:	TRUCK TIME STAMP	DISPOSAL FACILITY	RECEIVING AREA
41.22	OUT:		Name/No. 124

Site Name/

Permit No.

Address

Red Bluff Facility/ STF-065

5053 US Highway 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

Chloride

Conductivity
(mmhos/cm)

Chemical Analysis (Mg/l)

pH

TANK BOTTOMS

Feet

Inches

1st Gauge
2nd Gauge
Received

BS&W/BBLs Received	BS&W (%)
Free Water	
Total Received	

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

Company Main Contact Information

Name

Phone No.

GENERATOR

NO. 334169

Operator No.

Operator's Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name & No.

County

API No.

Rig Name & No.

AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	Belt
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

*please select from Non-Exempt Waste List on back

QUANTITY

B - BARRELS

Y - YARDS

E - EACH

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Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name

Address

Phone No.

Driver's Name

Print Name

Phone No.

Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: 2:15 OUT:

DISPOSAL FACILITY

RECEIVING AREA

Name/No. D7

Site Name/

Permit No.

Address

Red Bluff Facility/ STF-065

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

Chloride

Conductivity (mmhos/cm)

pH

Chemical Analysis (Mg/l)

TANK BOTTOMS

Feet

Inches

1st Gauge
2nd Gauge
Received

BS&W/BBLS Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT) *REQUIRED INFORMATION*

Name

Phone No.



GENERATOR

NO. 334173

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name & No.

County

API No.

Rig Name & No.

AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	Bell
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☐ PRODUCTION☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

*please select from Non-Exempt Waste List on back

QUANTITY

B - BARRELS

Y - YARDS

E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's

Name

Address

Phone No.

Driver's Name

Print Name

Phone No.

Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: 4:14

OUT:

DISPOSAL FACILITY

RECEIVING AREA

Name/No. 124

Site Name/

Permit No.

Address

Red Bluff Facility/ STF-065

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

Chemical Analysis (Mg/l)

Chloride

Conductivity (mmhos/cm)

pH

TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&W/BBLs Received

Free Water

Total Received

BS&W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

Company Main Contact Information
Name George Beans
Phone No. _____

GENERATOR

NO. **332986**

Operator No. _____

Operators Name Murchison oil - gas

Address _____

City, State, Zip _____

Phone No. _____

Permit/RIC No. _____

Lease/Well _____

Name & No. Agden State # 25ACounty EddyAPI No. 20-015-39993

Rig Name & No. _____

AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____

*please select from **Non-Exempt Waste List** on backQUANTITY 20 B - BARRELS Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE George Beans

DATE _____

SIGNATURE _____

TRANSPORTER

Transporter's

Name Hugger, NRGAddress P.O. Box 1058Phone No. Halls, NMDriver's Name Cipriano Barrero

Print Name _____

Phone No. _____

Truck No. 08

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 5-14-24DRIVER'S SIGNATURE Cipriano BarreroDELIVERY DATE 5-14-24DRIVER'S SIGNATURE Cipriano Barrero

TRUCK TIME STAMP

IN: 10:27 OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. D7

Site Name/

Permit No. Red Bluff Facility/ STF-065Address 5053 US Highway 285, Orla, TX 79770Phone No. 432-448-4239NORM READINGS TAKEN? (Circle One) YES NO

Chloride

If YES, was reading > 50 micro roentgens? (circle one) YES NO

Conductivity

(mmhos/cm)

YES

NO

Chemical Analysis (Mg/l)

pH

TANK BOTTOMS

Feet

Inches

1st Gauge
2nd Gauge
Received

BS&W/BBLs Received

Free Water

Total Received

BS&W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? _____

NAME (PRINT)

DATE

TITLE

SIGNATURE



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

REQUIRED INFORMATION

Name Greg BoarsPhone No. 361-9112

GENERATOR

NO. **332987**

Operator No. _____

Operators Name Murchison oil - gas

Address _____

City, State, Zip _____

Phone No. _____

Permit/RSC No. _____

Lease/Well _____

Name & No. _____

County _____

API No. _____

Rig Name & No. _____

AFF/PO No. _____

Ogden State #5HEddy30-215-39993

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	<u>Belly</u>
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCRP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE Greg Boars

DATE

SIGNATURE

TRANSPORTER

Transporter's Name hungerfordAddress P.O. Box 1058Hobbs nm

Phone No. _____

Driver's Name Cipriano Barrera

Print Name

Phone No.

Truck No. 08

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 5-19-24DRIVER'S SIGNATURE Cipriano BarreraDELIVERY DATE 5-19-24DRIVER'S SIGNATURE Cipriano Barrera

TRUCK TIME STAMP	DISPOSAL FACILITY	RECEIVING AREA
IN: <u>1:30</u> OUT: _____		Name/No. <u>157</u>

Site Name/ Red Bluff Facility/ STF-065

Permit No. _____

Address 5053 US Highway 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

Chemical Analysis (Mg/l)

Chloride

Conductivity (mmhos/cm)

pH

TANK BOTTOMS

	Feet	Inches	BS&W/BBLs Received	Free Water	Total Received	BS&W (%)
1st Gauge						
2nd Gauge						
Received						

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? _____

NAME (PRINT)

DATE

TITLE

SIGNATURE



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

REQUIRED INFORMATION

Name

Phone No.

GENERATOR

NO. 333210

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name & No.

County

API No.

Rig Name & No.

AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&P Contaminated Soil

Gas Plant Waste

NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

INTERNAL USE ONLY

Truck Washout (exempt waste)

OTHER EXEMPT WASTES (type and generation process of the waste)

WASTE GENERATION PROCESS:

☐

DRILLING

☐

COMPLETION

☐

PRODUCTION

☐

GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

*please select from Non-Exempt Waste List on back

QUANTITY

B - BARRELS

Y - YARDS

E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐

RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐

RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's

Name

Address

Phone No.

Driver's Name

Print Name

Phone No.

Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN:

OUT:

DISPOSAL FACILITY

RECEIVING AREA

Name/No.

Site Name/

Permit No.

Address

Red Bluff Facility/ STF-065

5053 US Highway 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

Chloride

Conductivity
(mmhos/cm)

pH

Chemical Analysis (Mg/l)

TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&W/BBLs Received

Free Water

Total Received

BS&W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

Company Main Contact Information

Name Elmer, StevenPhone No. 512-241-8800

GENERATOR

NO. 334072

Operator No. _____

Permit/RRC No. _____

Operators Name Marathon Oil (Gen)

Lease/Well _____

Address _____

Name & No. Golden State #54County Garland

City, State, Zip _____

API No. 30 015 29989

Phone No. _____

Rig Name & No. _____

AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Muds	Washout Water (Non-Injectable) _____	<u>BELOW</u>
Oil Based Cuttings	Completion Fluid/Flow back (Non-Injectable) _____	
Water Based Muds	Produced Water (Non-Injectable) _____	
Water Based Cuttings	Gathering Line Water/Waste (Non-Injectable) _____	
Produced Formation Solids	INTERNAL USE ONLY	
Tank Bottoms	Truck Washout (exempt waste) _____	
E&P Contaminated Soil		
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY ALL B - BARRELS 20 Y - YARDS E - EACHI hereby certify that the above listed material(s), is (are) **not a hazardous waste** as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE _____

DATE _____

SIGNATURE _____

TRANSPORTER

Transporter's Name Hungry HorseDriver's Name 14Address PO Box 1058Print Name 11/20/24Phone No. Hobbs, TX 79741

Phone No. _____

Truck No. 101

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE _____

DRIVER'S SIGNATURE _____

DELIVERY DATE _____

DRIVER'S SIGNATURE _____

TRUCK TIME STAMP		DISPOSAL FACILITY	RECEIVING AREA
IN: <u>11/20/24</u>	OUT: _____		Name/No. <u>127</u>

Site Name/ Red Bluff Facility/ STF-065Phone No. 432-448-4239

Permit No. _____

Address 5053 US Highway 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading > 50 micro roentgens? (circle one) YES NO

Chemical Analysis (Mg/l) _____ Chloride _____

Conductivity (mmhos/cm) _____ pH _____

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

BS&W/B&LS Received	BS&W (%)
Free Water	
Total Received	

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? _____

NAME (PRINT) _____

DATE _____

TITLE _____

SIGNATURE _____



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

Company Name/Contact Information

Name Gordon, StevePhone No. 575 388 0000

GENERATOR

NO. **334073**

Operator No. _____

Operators Name Murphy Oil & Gas

Address _____

City, State, Zip _____

Phone No. _____

Permit/RRC No. _____

Lease/Well _____

Name & No. 00000 State 511County EddyAPI No. 30 015 3900013

Rig Name & No. _____

AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	<u>BELLY</u>
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCPL), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____

*please select from Non-Exempt Waste List on back

QUANTITY 20 B - BARRELS Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name Hungry HorseAddress PO Box 1058Hobbs NM 88241

Phone No. _____

Driver's Name _____

Print Name Alfredo M.

Phone No. _____

Truck No. 101

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

05-14-24Alfredo M.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: 1:31 OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. 137

Site Name/

Permit No. Red Bluff Facility/ STF-065Address 5053 US Highway 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

Chemical Analysis (Mg/l)

Chloride

Conductivity (mmhos/cm)

pH

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

BS&W/BBLs Received	BS&W (%)
Free Water	
Total Received	

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? _____

NAME (PRINT)

DATE

TITLE

SIGNATURE



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

Name

Phone No.

Company Main Contact Information

GENERATOR

NO. 334074

Operator No. _____
Operators Name Murchison Oil & Gas
Address _____
City, State, Zip _____
Phone No. _____

Permit/RRC No. _____
Lease/Well Name & No. Ooden State 51
County Eddy
API No. 30-015-39889
Rig Name & No. _____
AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

OIL BASED MUDS	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	<u>BELLY</u>
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

*please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name Hungry Horse
Address PO Box 1058
14668 NM 88241
Phone No. _____

Driver's Name

Print Name Alfredo M

Phone No. _____

Truck No. 101

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

05 12 24

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: 3:53 PM OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. D-7

Site Name/ Permit No. Red Bluff Facility/ STF-065
Address 5053 US Highway 285, Orla, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

Chemical Analysis (Mg/l)

Conductivity (mmhos/cm)

pH

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

BS&W/BBLS Received	BS&W (%)
Free Water	
Total Received	

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact

(PLEASE PRINT)

REQUIRED INFORMATION

Name

Phone No.

GENERATOR

NO. 334101

Operator No. _____
Operators Name Murkison Oil & Gas
Address _____
City, State, Zip _____
Phone No. _____

Permit/RRC No. _____
Lease/Well _____
Name & No. Ogden State St
County Eddy
API No. _____
Rig Name & No. _____
AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Muds	Washout Water (Non-Injectable)	<u>Belly</u>
Oil Based Cuttings	Completion Fluid/Flow back (Non-Injectable)	
Water Based Muds	Produced Water (Non-Injectable)	
Water Based Cuttings	Gathering Line Water/Waste (Non-Injectable)	
Produced Formation Solids	INTERNAL USE ONLY	
Tank Bottoms	Truck Washout (exempt waste)	
E&P Contaminated Soil		
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name Hungry Horse
Address P.O. Box 1058
Hobbs NM
Phone No. _____

Driver's Name _____
Print Name _____
Phone No. _____
Truck No. 17

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: 10:50 OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. 157

Site Name/ Permit No. Red Bluff Facility/ STF-065
Address 5053 US Highway 285, Orla, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

Chemical Analysis (Mg/l) ChlorideConductivity (mmhos/cm) 8

pH

TANK BOTTOMS

Feet _____ Inches _____
1st Gauge _____
2nd Gauge _____
Received _____

BS&W/BBLs Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? _____

NAME (PRINT)

DATE

TITLE

SIGNATURE



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

REQUIRED INFORMATION

Name

Phone No.

GENERATOR

NO. 334103

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name & No.

County

API No.

Rig Name & No.

AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	Belly
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

*please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

Greg Boans

(PRINT) AUTHORIZED AGENT'S SIGNATURE

5/14/2024

DATE

SIGNATURE

TRANSPORTER

Transporter's Name

Address

Phone No.

Driver's Name

Print Name

Phone No.

Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

IN: 1	TRUCK TIME STAMP	DISPOSAL FACILITY	RECEIVING AREA
OUT: 2			Name/No. 127

Site Name/
Permit No.

Red Bluff Facility/ STF-065

Phone No.

432-448-4239

Address

5053 US Highway 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

Chloride

Conductivity
(mmhos/cm)

pH

Chemical Analysis (Mg/l)

TANK BOTTOMS

1st Gauge	Feet	Inches	BS&W/BBLS Received	BS&W (%)
2nd Gauge			Free Water	
Received			Total Received	

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information

Name

Phone No.

GENERATOR

NO. 334104

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name & No.

County

API No.

Rig Name & No.

AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&P Contaminated Soil

Gas Plant Waste

NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

INTERNAL USE ONLY

Truck Washout (exempt waste)

OTHER EXEMPT WASTES (type and generation process of the waste)

Belly

WASTE GENERATION PROCESS:

☐

DRILLING

☐

COMPLETION

☐

PRODUCTION

☐

GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

*please select from Non-Exempt Waste List on back

QUANTITY

B - BARRELS

20

Y - YARDS

E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

Greg Boans

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name

Address

Phone No.

Driver's Name

Print Name

Phone No.

Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN:

OUT:

DISPOSAL FACILITY

RECEIVING AREA

Name/No.

Site Name/

Permit No.

Address

Red Bluff Facility/ STF-065

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

Chloride

Conductivity

(mmhos/cm)

pH

Chemical Analysis (Mg/l)

TANK BOTTOMS

1st Gauge
2nd Gauge
Received

Feet

Inches

BS&W/BBLs Received

Free Water

Total Received

BS&W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information

Name

Phone No.

GENERATOR

NO. 334171

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name & No.

County

API No.

Rig Name & No.

AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	NON-INJECTABLE WATERS	Washout Water (Non-Injectable)	_____	OTHER EXEMPT WASTES (type and generation process of the waste) Belly
Oil Based Cuttings	_____		Completion Fluid/Flow back (Non-Injectable)	_____	
Water Based Muds	_____		Produced Water (Non-Injectable)	_____	
Water Based Cuttings	_____		Gathering Line Water/Waste (Non-Injectable)	_____	
Produced Formation Solids	_____		INTERNAL USE ONLY	_____	
Tank Bottoms	_____		Truck Washout (exempt waste)	_____	
E&P Contaminated Soil	✓				
Gas Plant Waste	_____				

WASTE GENERATION PROCESS:

☐

DRILLING

☐

COMPLETION

☐

PRODUCTION

☐

GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

*please select from Non-Exempt Waste List on back

QUANTITY

B - BARRELS

Y - YARDS

E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐

RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐

RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐

MSDS Information

☐

RCRA Hazardous Waste Analysis

☐

Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name

Address

Phone No.

Driver's Name

Print Name

Phone No.

Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: 11:00 OUT:

DISPOSAL FACILITY

RECEIVING AREA

Name/No.

Site Name/

Permit No.

Address

Red Bluff Facility/ STF-065

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

Chloride

Conductivity
(mmhos/cm)

pH

Chemical Analysis (Mg/l)

TANK BOTTOMS

Feet

Inches

1st Gauge
2nd Gauge
Received

BS&W/BBLs Received

Free Water

Total Received

BS&W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

Company Main Contact Information

Name Greer BoonPhone No. 525-786-1111

GENERATOR

NO. **334176**

Operator No.

Operators Name Morchison Oil & Gas

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name & No. adgeo state #005411County Edgar

API No.

Rig Name & No. 30-010-30005

AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	<u>Belly</u>
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS:

☐

DRILLING

☐

COMPLETION

☐

PRODUCTION

☐

GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), ignitability, Corrosivity and Reactivity.

Non-Exempt Other

*please select from Non-Exempt Waste List on back

QUANTITY

B - BARRELS

20 Y - YARDS

E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐

RCRA Hazardous Waste Analysis

☐

Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE Greer Boon

DATE

SIGNATURE

TRANSPORTER

Transporter's

Name Henry H. Co.Address P.O. Box 1058Phone No. Hobbs, NM 88241

Driver's Name

Print Name Jesus Barrios

Phone No.

Truck No. 108

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 05-14-24

DRIVER'S SIGNATURE

DELIVERY DATE 05-14-24

DRIVER'S SIGNATURE

IN: <u>TRUCK TIME STAMP</u>	DISPOSAL FACILITY	RECEIVING AREA
OUT: <u>TRUCK TIME STAMP</u>		Name/No. <u>154</u>

Site Name/

Permit No. Red Bluff Facility/ STF-065Address 5053 US Highway 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

Chemical Analysis (Mg/l) ChlorideConductivity (mmhos/cm) 0.8

pH

TANK BOTTOMS

Feet	Inches	BS&W/BBLs Received	BS&W (%)
1st Gauge		Free Water	
2nd Gauge		Total Received	
Received			

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT) W. K. P.

DATE

TITLE

SIGNATURE



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

Company Main Contact Information

Name Greg BoonsPhone No. 395486609

GENERATOR

NO. **334183**

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name & No.

County

API No.

Rig Name & No.

AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	Belly
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

*please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's

Name

Address

Phone No.

Driver's Name

Print Name

Phone No.

Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP	DISPOSAL FACILITY	RECEIVING AREA
IN: <u>10:24</u> OUT: <u>10:24</u>		Name/No. <u>127</u>

Site Name/

Permit No.

Address

Red Bluff Facility/ STF-065

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

Chloride

Conductivity
(mmhos/cm)

pH

Chemical Analysis (Mg/l)

TANK BOTTOMS

Feet	Inches	BS&W/BBLs Received	BS&W (%)
1st Gauge		Free Water	
2nd Gauge		Total Received	
Received			

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

REQUIRED INFORMATION

Name Greg Boon

Phone No. _____

GENERATOR

NO. 334359

Operator No. _____

Operators Name Murphyson 21601

Address _____

City, State, Zip _____

Phone No. _____

Permit/RRC No. _____

Lease/Well _____

Name & No. Ogden StateCounty FtHAPI No. 30-015-39993

Rig Name & No. _____

AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	NON-INJECTABLE WATERS	_____	OTHER EXEMPT WASTES (type and generation process of the waste)	_____
Oil Based Cuttings	_____	Washout Water (Non-Injectable)	_____	Belly	
Water Based Muds	_____	Completion Fluid/Flow back (Non-Injectable)	_____		
Water Based Cuttings	_____	Produced Water (Non-Injectable)	_____		
Produced Formation Solids	_____	Gathering Line Water/Waste (Non-Injectable)	_____		
Tank Bottoms	_____	INTERNAL USE ONLY	_____		
E&P Contaminated Soil	+	Truck Washout (exempt waste)	_____		
Gas Plant Waste	_____				

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____

*please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE Greg Boon

DATE

SIGNATURE

TRANSPORTER

Transporter's

Name Hungry HorseAddress P.O. Box 1058Halls NM

Phone No. _____

Driver's Name Cipriano Barrera

Print Name

Phone No. _____

Truck No. 8

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 5-14-24DRIVER'S SIGNATURE C BDELIVERY DATE 5-14-24DRIVER'S SIGNATURE Cipriano Barrera

TRUCK TIME STAMP

IN: 3:47 PM OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. 27

Site Name/

Permit No. Red Bluff Facility/ STF-065Address 5053 US Highway 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

Chloride

Conductivity

(mmhos/cm)

pH

Chemical Analysis (Mg/l)

TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&W/BLS Received

Free Water

Total Received

BS&W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT) Renald AldenDATE 5/14/24TITLE RCSIGNATURE Renald Alden



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Main Contact Information

(PLEASE PRINT)

REQUIRED INFORMATION

Name Greg Poon

Phone No. _____

GENERATOR

NO. **334353**

Operator No. _____

Operators Name Murphy Oil Gas

Address _____

City, State, Zip _____

Phone No. _____

Permit/RRC No. _____

Lease/Well _____

Name & No. 0000 State 54County EddyAPI No. 30-015-37923

Rig Name & No. _____

AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

OIL BASED MUDS	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Muds _____	Washout Water (Non-Injectable) _____	<u>Belly</u>
Oil Based Cuttings _____	Completion Fluid/Flow back (Non-Injectable) _____	
Water Based Muds _____	Produced Water (Non-Injectable) _____	
Water Based Cuttings _____	Gathering Line Water/Waste (Non-Injectable) _____	
Produced Formation Solids _____	INTERNAL USE ONLY	
Tank Bottoms _____	Truck Washout (exempt waste) _____	
E&P Contaminated Soil _____		
Gas Plant Waste _____		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCIP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____

*please select from Non-Exempt Waste List on back

QUANTITY 20 B - BARRELS Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Greg Poon

DATE _____

SIGNATURE _____

TRANSPORTER

Transporter's Name _____

Address Higgins MonterraPhone No. P.O. Box 1058Driver's Name Cipriano Barrera

Print Name _____

Phone No. _____

Truck No. 8

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 5-15-24DRIVER'S SIGNATURE PBDELIVERY DATE 5-15-24DRIVER'S SIGNATURE Cipriano Barrera

TRUCK TIME STAMP

IN: 11:03 AM OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. Red Bluff

Site Name/

Permit No. Red Bluff Facility/ STF-065Address 5053 US Highway 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

Chloride

Conductivity (mmhos/cm)

pH

Chemical Analysis (Mg/l) _____

TANK BOTTOMS

Feet

Inches

1st Gauge		
2nd Gauge		
Received		

BS&W/BBLS Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? _____

NAME (PRINT) Walter CalderonDATE 5/15/24TITLE RecSIGNATURE Walter Calderon



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information

Name Greg Beane

Phone No. _____

GENERATOR

NO. **334355**

Operator No. _____

Operators Name Murchison Oil - Co's

Address _____

City, State, Zip _____

Phone No. _____

Permit/RRC No. _____

Lease/Well _____

Name & No. Ogden State 5 HCounty EddyAPI No. 20-015-39993

Rig Name & No. _____

AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds _____

Oil Based Cuttings _____

Water Based Muds _____

Water Based Cuttings _____

Produced Formation Solids _____

Tank Bottoms _____

E&P Contaminated Soil _____

Gas Plant Waste _____

NON-INJECTABLE WATERS

Washout Water (Non-Injectable) _____

Completion Fluid/Flow back (Non-Injectable) _____

Produced Water (Non-Injectable) _____

Gathering Line Water/Waste (Non-Injectable) _____

INTERNAL USE ONLY

Truck Washout (exempt waste) _____

OTHER EXEMPT WASTES (type and generation process of the waste)

Belly

WASTE GENERATION PROCESS:

☐

DRILLING

☐

COMPLETION

☐

PRODUCTION

☐

GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____

*please select from Non-Exempt Waste List on back

QUANTITY

B - BARRELS

20

Y - YARDS

E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐

RCRA Hazardous Waste Analysis

☐

Other (Provide Description Below)

(PRINT) AUTHORIZED AGENT'S SIGNATURE Greg Beane

DATE

SIGNATURE

TRANSPORTER

Transporter's

Name Wagner HorseAddress P.O. Box 1058Phone No. Halls, NMDriver's Name Cipriana Barrera

Print Name

Phone No.

Truck No. 8

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 5-15-24DRIVER'S SIGNATURE CPBDELIVERY DATE 5-15-24DRIVER'S SIGNATURE Cipriana Barrera

TRUCK TIME STAMP

IN: 1:27 PM

OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. D-7

Site Name/

Permit No. Red Bluff Facility/ STF-065Address 5053 US Highway 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

Chloride

Chemical Analysis (Mg/I)

Conductivity (mmhos/cm)

pH

TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&W/BBLs Received

Free Water

Total Received

BS&W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT) Wagner CalderonDATE 5/15/24TITLE RecSIGNATURE Wagner Calderon



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

Company Name Contact Information

Name Greg Boons

Phone No. _____

GENERATOR

NO. **334356**

Operator No. _____

Operators Name Murphy Oil - 605

Address _____

City, State, Zip _____

Phone No. _____

Permit/RRC No. _____

Lease/Well _____

Name & No. Ogden State 4 SHCounty EddyAPI No. 30-015-39993

Rig Name & No. _____

AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	<u>Be 11 y</u>
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____

*please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only).

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Greg Boons

DATE

SIGNATURE

TRANSPORTER

Transporter's

Name Hungry HorseAddress P.O. Box 1258Halls, NM

Phone No. _____

Driver's Name Cipriano Barrios

Print Name

Phone No. _____

Truck No. 8

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 8-16-24DRIVER'S SIGNATURE Cipriano BarriosDELIVERY DATE 8-16-24

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: 17:11 OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. 127

Site Name/

Permit No. Red Bluff Facility/ STF-065Address 5053 US Highway 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES C

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

Chemical Analysis (Mg/l)

Conductivity (mmhos/cm) 8

pH

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

BS&W/BBLS Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

Complete Man. Contact Information

Name Grey BoonsPhone No. 520-202-4

GENERATOR

NO. 334950

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name & No.

County

API No.

Rig Name & No.

AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	Belly
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

*please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's

Name

Address

Phone No.

Driver's Name

Print Name

Phone No.

Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: 11-09 OUT:

DISPOSAL FACILITY

RECEIVING AREA

Name/No. 12-1

Site Name/

Permit No.

Address

Red Bluff Facility/ STF-065

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

Chemical Analysis (Mg/l)

Conductivity (mmhos/cm)

pH

TANK BOTTOMS

1st Gauge	Feet	Inches	BS&W/BBLs Received	BS&W (%)
2nd Gauge			Free Water	
Received			Total Received	

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information

Name

Phone No.

GENERATOR

NO. 334951

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name & No.

County

API No.

Rig Name & No.

AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds
Oil Based Cuttings
Water Based Muds
Water Based Cuttings
Produced Formation Solids
Tank Bottoms
E&P Contaminated Soil
Gas Plant Waste

NON-INJECTABLE WATERS

Washout Water (Non-Injectable)
Completion Fluid/Flow back (Non-Injectable)
Produced Water (Non-Injectable)
Gathering Line Water/Waste (Non-Injectable)
INTERNAL USE ONLY
Truck Washout (exempt waste)

OTHER EXEMPT WASTES (type and generation process of the waste)

Belly

WASTE GENERATION PROCESS:

☐

DRILLING

☐

COMPLETION

☐

PRODUCTION

☐

GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), ignitability, Corrosivity and Reactivity.

Non-Exempt Other

*please select from Non-Exempt Waste List on back

QUANTITY

B - BARRELS

Y - YARDS

E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒

RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐

RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐

MSDS Information

☐

RCRA Hazardous Waste Analysis

☐

Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's

Name

Address

Phone No.

Driver's Name

Print Name

Phone No.

Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN:

OUT:

DISPOSAL FACILITY

RECEIVING AREA

Name/No.

Site Name/

Permit No.

Address

Phone No.

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

Chloride

Conductivity

(mmhos/cm)

pH

Chemical Analysis (Mg/l)

TANK BOTTOMS

Feet

Inches

1st Gauge
2nd Gauge
Received

BS&W/BBLs Received

Free Water

Total Received

BS&W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man. Contact

(PLEASE PRINT)

REQUIRED INFORMATION Name

Phone No.

GENERATOR

NO. 334952

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name & No.

County

API No.

Rig Name & No.

AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	Belly
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), ignitability, Corrosivity and Reactivity.

Non-Exempt Other

*please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

Grey Boons

5-20-24

DATE

SIGNATURE

TRANSPORTER

Transporter's

Name

Address

Phone No.

Driver's Name

Print Name

Phone No.

Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

5-20-24

DRIVER'S SIGNATURE

5-20-24

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

OUT:

DISPOSAL FACILITY

RECEIVING AREA

Name/No.

Site Name

Permit No.

Address

Red Bluff Facility/ STF-065

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

Chloride

Chemical Analysis (Mg/l)

Conductivity (mmhos/cm)

pH

TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&W/BBLs Received

Free Water

Total Received

BS&W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 368970

QUESTIONS

Operator: Murchison Oil and Gas, LLC 7250 Dallas Parkway Plano, TX 75024	OGRID:
	15363
	Action Number:
	368970
Action Type:	
[C-141] Reclamation Report C-141 (C-141-v-Reclamation)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nMLB1211627407
Incident Name	NMLB1211627407 OGDEN STATE #005H @ 30-015-39993
Incident Type	Release Other
Incident Status	Reclamation Report Received
Incident Well	[30-015-39993] OGDEN STATE #005H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	OGDEN STATE #005H
Date Release Discovered	04/09/2012
Surface Owner	State

Incident Details	
Please answer all the questions in this group.	
Incident Type	Release Other
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	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Cause: Overflow - Tank, Pit, Etc. Pit (Specify) Drilling Mud/Fluid Released: 14 BBL Recovered: 0 BBL Lost: 14 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)	Rain water caused steel drilling pits to overflow. Dirt dike on location was washed out. Fluids were removed from pits and dirt dike rebuilt.

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 2

Action 368970

QUESTIONS (continued)

Operator: Murchison Oil and Gas, LLC 7250 Dallas Parkway Plano, TX 75024	OGRID:	15363
	Action Number:	368970
	Action Type:	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.

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	Not answered.

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: Cindy Cottrell Title: Regulatory Coordinator Email: ccottrell@jdmii.com Date: 08/12/2024
--	---

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 3

Action 368970

QUESTIONS (continued)

Operator: Murchison Oil and Gas, LLC 7250 Dallas Parkway Plano, TX 75024	OGRID:
	15363
	Action Number:
	368970
Action Type:	
[C-141] Reclamation Report C-141 (C-141-v-Reclamation)	

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	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	Between 1000 (ft.) and ½ (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 1000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 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	Between 1 and 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)	37600
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)	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	05/10/2024
On what date will (or did) the final sampling or liner inspection occur	05/29/2024
On what date will (or was) the remediation complete(d)	07/11/2024
What is the estimated surface area (in square feet) that will be reclaimed	3800
What is the estimated volume (in cubic yards) that will be reclaimed	620
What is the estimated surface area (in square feet) that will be remediated	3800
What is the estimated volume (in cubic yards) that will be remediated	620

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 368970

QUESTIONS (continued)

Operator: Murchison Oil and Gas, LLC 7250 Dallas Parkway Plano, TX 75024	OGRID:	15363
	Action Number:	368970
	Action Type:	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Remediation Plan (continued)	
<i>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.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(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/STF-065
OR is the off-site disposal site, to be used, an NMED facility	No
(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
<i>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>	
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: Cindy Cottrell Title: Regulatory Coordinator Email: ccottrell@jdmii.com Date: 08/12/2024
<i>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.</i>	

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QUESTIONS, Page 5

Action 368970

QUESTIONS (continued)

Operator: Murchison Oil and Gas, LLC 7250 Dallas Parkway Plano, TX 75024	OGRID: 15363
	Action Number: 368970
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Deferral Requests Only	
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.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 368970

QUESTIONS (continued)

Operator: Murchison Oil and Gas, LLC 7250 Dallas Parkway Plano, TX 75024	OGRID:	15363
	Action Number:	368970
	Action Type:	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	347689
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/29/2024
What was the (estimated) number of samples that were to be gathered	30
What was the sampling surface area in square feet	3800

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	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	3800
What was the total volume (cubic yards) remediated	620
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	3800
What was the total volume (in cubic yards) reclaimed	620
Summarize any additional remediation activities not included by answers (above)	None

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Cindy Cottrell Title: Regulatory Coordinator Email: ccottrell@jdmii.com Date: 08/12/2024
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QUESTIONS, Page 7

Action 368970

QUESTIONS (continued)

Operator: Murchison Oil and Gas, LLC 7250 Dallas Parkway Plano, TX 75024	OGRID:	15363
	Action Number:	368970
	Action Type:	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	3800
What was the total volume of replacement material (in cubic yards) for this site	620
<i>Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.</i>	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeding commence(d)	07/11/2024
Summarize any additional reclamation activities not included by answers (above)	7/11/24 watered seeds to promote growth
<i>The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeding plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Cindy Cottrell Title: Regulatory Coordinator Email: ccottrell@jdmii.com Date: 08/12/2024

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QUESTIONS, Page 8

Action 368970

QUESTIONS (continued)

Operator: Murchison Oil and Gas, LLC 7250 Dallas Parkway Plano, TX 75024	OGRID: 15363
	Action Number: 368970
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Revegetation Report	
Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.	
Requesting a restoration complete approval with this submission	No
Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.	

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CONDITIONS

Action 368970

CONDITIONS

Operator: Murchison Oil and Gas, LLC 7250 Dallas Parkway Plano, TX 75024	OGRID:
	15363
	Action Number:
	368970
Action Type:	
[C-141] Reclamation Report C-141 (C-141-v-Reclamation)	

CONDITIONS

Created By	Condition	Condition Date
bhall	Remediation closure and reclamation approved.	8/13/2024
bhall	A revegetation report will not be accepted until revegetation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	8/13/2024
bhall	All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeded activities, inspections, and final pictures when revegetation is achieved.	8/13/2024
bhall	Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used if the requirements of the surface owner provide equal or better protection of freshwater, human health, and the environment. A copy of the approval of the reclamation and revegetation report from the surface owner and a copy of the approved reclamation and revegetation report will need to be submitted to the OCD via the Permitting website.	8/13/2024