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/m3 conversion factor
170.366	cu meters of earth below footprint to 4.3 feet
1602	Kg/m3 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

89600

1210

1684

85.50

14.66

160.00

Imperative Water Analysis Report

IMDES/LINE

201 W. Wall Street, Suite 900 Midland, TX 79701

SYSTEM IDENTIFICATION

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

Sample ID#:

Sample Date: Report Date:

10-12-2020

W-31741

10-04-2020 **PARAMETERS**

> Temperature(OF) 67.70 Conductivity 145518 Resistivity

WATER CHEMISTRY

Calcium(as Ca)

Barium(as Ba)

Strontium(as Sr)

Sodium(as Na)

Potassium(as K)

Manganese(as Mn)

Lithium(as Li)

Iron(as Fe)

Magnesium(as Mg)

CATIONS

6.87

ANIONS

Chloride(as CI)

Sulfate(as SO₄)

H₂S (as H₂S)

Boron(as B)

Dissolved CO2(as CO2)

Bicarbonate(as HCO₃)

4383

1506

0.0952

91.39

51059

489.70

13.49

1.20

1.44

Sample pH Sp.Gr.(g/mL) T.D.S.

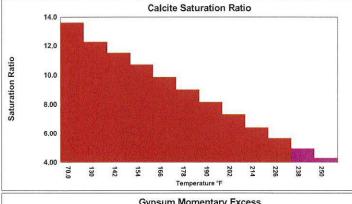
1.100 160684

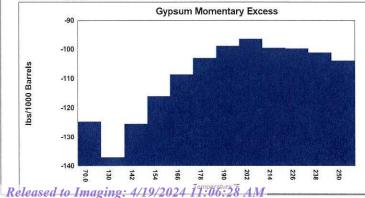
6.60

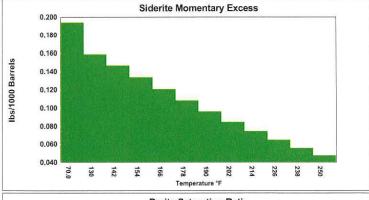
SCALE AND CORROSION POTENTIAL

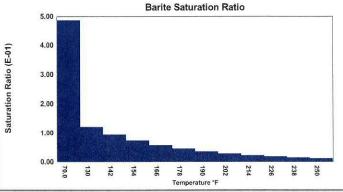
Temp.	Press.	Ca	alcite	Anl	nydrite	Gy	psum	В	arite	Ce	lestite	Sid	derite	Mack	kinawite	CO ₂	pCO ₂
(OF)	(atm)	Ca	aCO3	C	aSO ₄	CaSC	4*2H2O	Ва	3SO ₄	S	rS0 ₄	Fe	2CO3		FeS	(mpy)	(atm)
70.00	1.000	13.60	0.300	0.471	-231.98	0.657	-124.84	0.486	-0.0656	0.303	-106.11	2.61	0.194	4.63	0.0888	0.122	0.243
130.00	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.









84800

1075

0.00

1427 85.50 13.61

Imperative Water Analysis Report

INDES/INE

201 W Wall Street, Suite 900 Midland, TX 79701

SYSTEM IDENTIFICATION

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

Sample ID#:

W-31742

Sample Date: Report Date: 10-04-2020 10-12-2020

WATER CHEMISTRY

ATIONS		ANIONS
Calcium(as Ca)	4463	Chloride(as CI)
Magnesium(as Mg)	1590	Sulfate(as SO ₄)
Barium(as Ba)	0.122	Dissolved CO ₂ (as CO ₂)
Strontium(as Sr)	130.60	Bicarbonate(as HCO ₃)
Sodium(as Na)	47528	H ₂ S (as H ₂ S)
Potassium(as K)	501.90	Boron(as B)
Lithium(as Li)	12.50	
Iron(as Fe)	2.55	
Manganese(as Mn)	0.820	

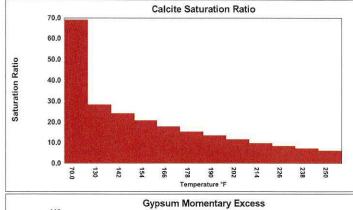
PARAMETERS

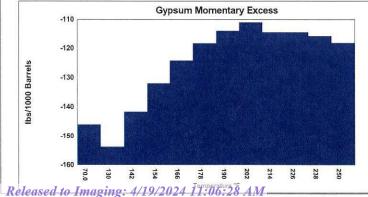
Temperature(OF)	70.10	Sample pH	7.39
Conductivity	141517	Sp.Gr.(g/mL)	1.095
Resistivity	7.07	T.D.S.	150946

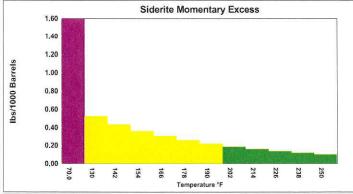
SCALE AND CORROSION POTENTIAL

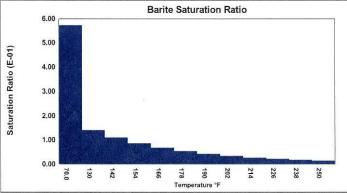
Temp.	Press.	Ca	alcite	Anl	nydrite	Gy	psum ,	В	arite	Ce	lestite	Sic	derite	Mack	kinawite	CO_2	pCO_2
(OF)	(atm)	Ca	aCO3	C	aSO ₄	CaSC	4*2H2O	В	aSO ₄	S	rSO ₄	Fe	eCO3	1	FeS	(mpy)	(atm)
70.00	1.000	69.13	1.65	0.419	-255.24	0.593	-146.17	0.572	-0.0592	0.397	-91.76	28.82	1.60	131.95	0.240	0.0402	0.0430
130.00	10.000	28.29	0.473	0.484	-160.73	0.527	-153.83	0.141	-0.481	0.342	-102.64	17.51	0.523	17.79	0.209	0.185	0.430
142.00	19.000	24.13	0.388	0.528	-130.26	0.538	-141.78	0.109	-0.645	0.327	-106.26	16.13	0.431	12.56	0.199	0.188	0.817
154.00	28.000	20.70	0.321	0.587	-99.08	0.546	-132.08	0.0848	-0.851	0.313	-110.19	14.90	0.359	9.01	0.188	0.210	1.20
166.00	37.000	17.81	0.268	0.665	-68.72	0.553	-124.35	0.0664	-1.11	0.299	-114.43	13.78	0.301	6.54	0.175	0.243	1.59
178.00	46.000	15.35	0.225	0.767	-40.36	0.557	-118.39	0.0522	-1.43	0.285	-119.02	12.73	0.254	4.81	0.159	0.260	1.98
190.00	55.000	13.24	0.191	0.898	-14.72	0.559	-114.01	0.0413	-1.82	0.271	-124.01	11.76	0.216	3.56	0.141	0.148	2.36
202.00	64.000	11.41	0.162	1.07	7.85	0.559	-111.08	0.0329	-2.30	0.257	-129.44	10.85	0.184	2.66	0.119	0.135	2.75
214.00	73.000	9.63	0.139	1.27	26.80	0.551	-114.41	0.0259	-2.93	0.240	-138.15	9.80	0.159	1.92	0.0874	0.128	3.14
226.00	82.000	8.25	0.118	1.54	43.88	0.547	-114.40	0.0208	-3.67	0.227	-144.91	8.97	0.137	1.45	0.0546	0.264	3.53
238.00	91.000	7.05	0.100	1.89	58.21	0.541	-115.68	0.0167	-4.57	0.214	-152.32	8.19	0.118	1.10	0.0149	0.422	3.91
250.00	100.000	6.01	0.0850	2.34	70.15	0.532	-118.24	0.0134	-5.65	0.201	-160.43	7.46	0.101	0.833	-0.0329	0.525	4.30
			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. $\{Ca\}\{CO_3\}/K_{sp}$, pCO_2 (atm) is the partial pressure of CO_2 in the gas phase. Lbs/1000 Barrels scale is the quantity of precipitation (or dissolution) required to instantaneously bring the water to equilibrium.









85800

1186

0.00

1781

85.50

12.09

Imperative Water Analysis Report

IMBESILINE

201 W Wall Street, Suite 900 Midland, TX 79701

SYSTEM IDENTIFICATION

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

Sample ID#:

W-31743

Sample Date: Report Date:

10-04-2020 10-12-2020

PARAMETERS

WATER CHEMISTRY

Calcium(as Ca)

Barium(as Ba)

Strontium(as Sr)

Sodium(as Na)

Potassium(as K)

Manganese(as Mn)

Lithium(as Li)

Iron(as Fe)

Magnesium(as Mg)

CATIONS

Temperature(OF) 73.30 150925 Conductivity Resistivity 6.63

Sample pH Sp.Gr.(g/mL) T.D.S.

ANIONS

Chloride(as Cl)

Sulfate(as SO₄)

H₂S (as H₂S)

Boron(as B)

Dissolved CO2(as CO2)

Bicarbonate(as HCO3)

4222

1469

0.0830

95.74

48892

489.90

12.81

6.24

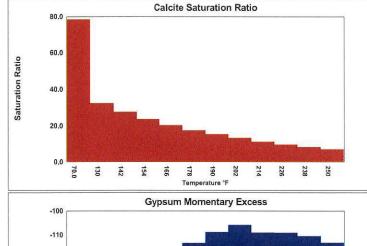
0.795

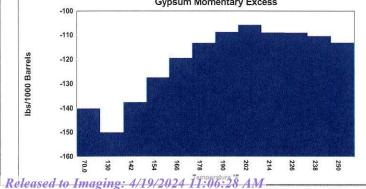
7.37 1.095 153465

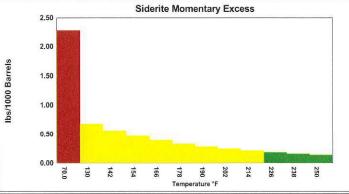
SCALE AND CORROSION POTENTIAL

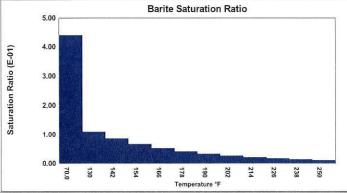
Temp.	Press.		alcite aCO3		hydrite	170	psum		arite		lestite		derite		inawite eS	CO ₂	pCO ₂
(OF)	(atm)		<u> </u>		aSO ₄		4*2H2O		aSO ₄		rSO ₄		eCO3			(mpy)	(atm)
70.00	1.000	78.42	1.99	0.448	-255.33	0.631	-140.28	0.441	-0.0682	0.330	-98.81	84.90	2.28	318.13	0.589	0.0477	0.0561
130.00	10.000	32.33	0.576	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		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		

 $Saturation \ Ratios \ (xSAT) \ are \ the \ ratio \ of \ ion \ activity \ to \ solubility, \ e.g. \ \{Ca\}\{CO_3\}/K_{Sp}. \ \ pCO_2 \ (atm) \ is \ the \ partial \ pressure \ of \ CO_2 \ in \ the \ gas \ phase.$ Lbs/1000 Barrels scale is the quantity of precipitation (or dissolution) required to instantaneously bring the water to equilibrium.











Site Assessment and Remediation Work Plan

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

ce. (373) 333-3360

April 2024

Bradley Wells
Bradley Wells

Project Manager bwells@hungry-horse.com

Daniel Dominguez

Environmental Manager ddominguez@hungry-horse.com

Table Of Contents

Background	1
NMOCD Site Classification	1
Proposed Remediation Activities	2
Cultural Properties Protection Compliance	2
Sampling Plan	3
Restoration, Reclamation, and Re-Vegetation	3
Limitations	3
Distribution	4

Figures

Figure 1 – Topographic Map

Figure 2 – OSE POD Locations Map

Figure 3 – USGS Well Locations Map

Figure 4 – Proposed Delineation Sample Map

Table

RT Hick Consultants, Ltd. – Table 1 Analytical Results Ogden 5H

Attachments

Attachment I – Karst, Wetland, and Soil Maps

Attachment II – Depth to Groundwater

Attachment III - Laboratory Analytical Reports - 2023 Soil Auger Boring

Attachment IV – Boone Archaeological Consultants, LLC Archaeological Survey

Attachment V – NMSLO Loamy Sites Seed Mixture

The following *Site Assessment and Remediation Work Plan* serves as proposed remediation activities 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 II and the results are depicted on Figures 2 and 3.

No water wells were located within a half mile of the release area. On August 23, 2023, a depth to groundwater test bore was drilled on location to a depth of 105 feet bgs. No water was present in the bore so the bore was backfilled with drill cuttings. However, as the site is located in a Gypsum Karst designated area, 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
	Chloride	EPA 300.0 or SM4500 CLB	600 mg/kg
105/	TPH (GRO + DRO + MRO)	EPA SW-846 Method 8015M Ext	100 mg/kg
>105′	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.



Proposed Remediation Activities:

In accordance with NMOCD Regulations, NMSLO Reclamation and Remediation Guidelines and Procedures, and based upon laboratory analytical results, and site observations made by RT Hicks Consultants, Ltd., the following remediation activities are proposed in an effort to advance the site toward approved closure.

- Horizontal and vertical delineation of the release area will be completed prior to excavation activities, utilizing mechanical equipment. Proposed Delineation Sample Map is provided as Figure 4.
- Based upon laboratory analytical results received from RT Hicks Consultants, Ltd. sampling activities and Hungry Horse delineation sampling, the release area will be excavated to an approximate depth of four and half feet bgs. The proposed excavation area of approximately 1,400 sq. ft. is depicted on Figure 4.
- Excavated contaminated soil, approximately 300 cy, will be temporarily stockpiled onsite, atop plastic, before transport to an NMOCD approved disposal facility.
- Upon completion of excavation activities, five-point composite confirmation samples
 will be collected from the excavation floor and sidewalls; each sample representing no
 more than 200 square feet. Confirmation soil samples will be submitted to the
 laboratory for analysis of BTEX, TPH, and chloride.
- Upon receipt of laboratory analytical results from confirmation soil samples, demonstrating constituent contaminant levels are in excess of the strictest NMOCD Closure Criteria in the excavation floor and sidewalls, the area will be further excavated, vertically and/or horizontally, until laboratory analytical data indicates constituent contaminant levels are equal to or below the strictest NMOCD Closure Criteria in the excavation floor and sidewalls.
- Upon receipt of laboratory analytical results from confirmation soil samples, demonstrating constituent contaminant levels are equal to or below the strictest NMOCD Closure Criteria in the excavation floor and sidewalls, the excavation will be backfilled with locally sourced, clean, non-impacted, topsoil.
- Remediation activities are expected to be completed within 30 days of receiving NMOCD and NMSLO approval of the Site Assessment and Remediation Work Plan.
- Within 30 days, following the completion of these remediation activities, the affected areas will be seeded, via hand broadcast at double the recommended rate, with NMSLO approved Loamy sites seed mixture.

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. If cultural materials are encountered during the remediation process, work will be halted, and NMSLO archaeologists notified. The report, indicating negative findings is provided as Attachment IV.



Sampling Plan:

Upon completion of excavation activities, confirmation five-point composite soil samples will be collected from the excavation floor and sidewalls; each sample representing no more than 200 square feet. Confirmation soil samples will be submitted to the laboratory for analysis of BTEX, TPH, and chloride.

Restoration, Reclamation, and Re-Vegetation:

Based upon laboratory analytical results from confirmation soil samples, the excavation will be backfilled with approximately 300 cy of locally sourced, clean, non-impacted topsoil. The area will be contoured to achieve erosion control and preserve surface water flow.

The affected area will be seeded, via hand broadcast at double the recommended rate, with NMSLO approved Loamy sites seed mixture, free of noxious weeds, within 30 days following the completion of these remediation activities. Site will also be monitored for growth and noxious weed management on a semi-annual basis until desired vegetation is achieved. NMSLO approved Loamy sites seed mix is provided as Attachment V.

Limitations:

Hungry Horse, LLC, has prepared this *Site Assessment and Remediation Work Plan* 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

Received by OCD: 4/16/2024 1:51:22 PM Page 13 of 71

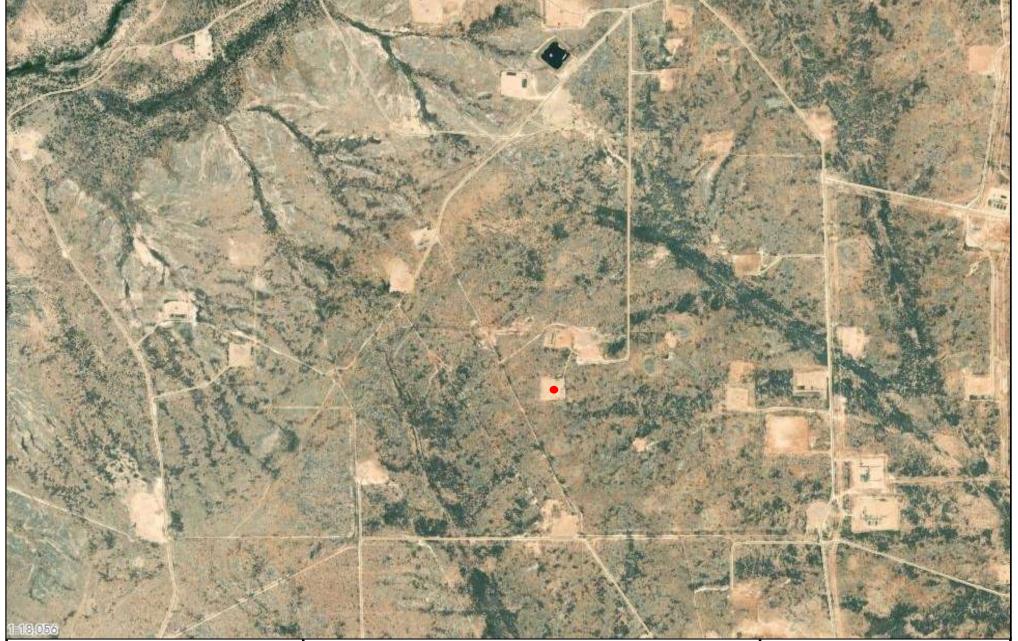


Figure 2

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



Received by OCD: 4/16/2024 1:51:22 PM Page 14 of 71

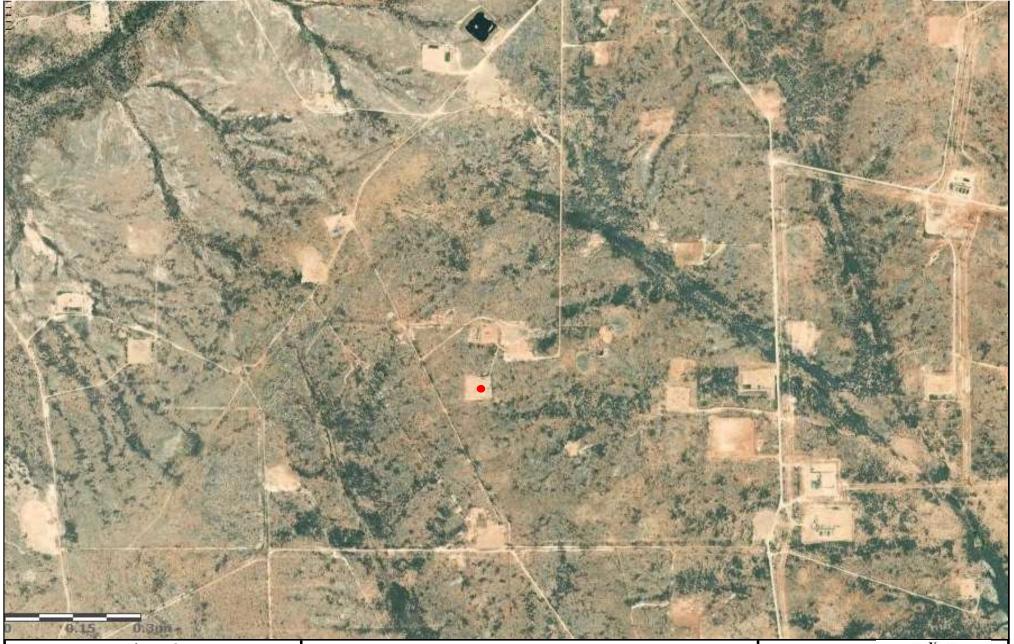


Figure 3

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

Ogden State 5H Location

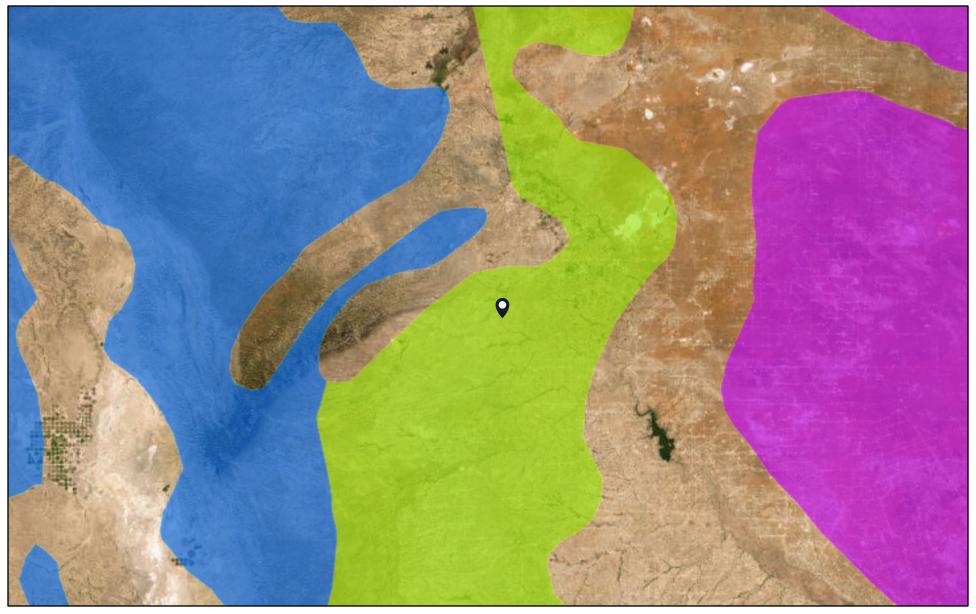
Drafted: dd Checked: bw Date: 4/2/24

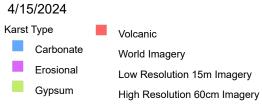
Table

Table 1 Analytical Results Ogden State 5H

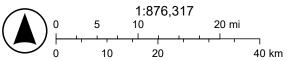
d to Imaging: 4/19/202	age to age	ne did	apit i	S Septimination	gent of	sé s allega o	कुर्वे ।	CHO TREE SO	RO krajta	RO Walke	Strong Little	The Rot The	il rights
SSA - 01	7/21/2023	soil		0			ND	ND	ND	ND	ND	ND	ND
SSA- 01	7/21/2023	soil		2	4	48	ND	ND	ND	ND	ND	ND	ND
SSA - 01	7/21/2023	soil	4.5			304	ND	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

Attachment I Karst, Wetland, and Soil Maps





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





April 15, 2024

Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

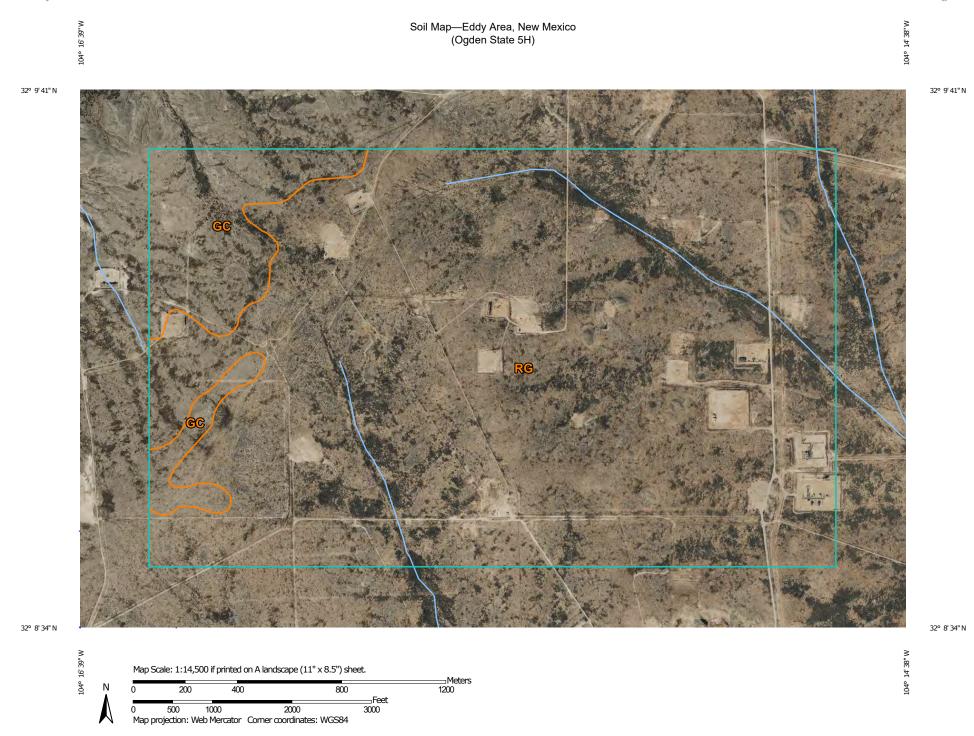
Freshwater Pond

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)

MAP LEGEND

â

0

Δ

Water Features

Transportation

Background

Spoil Area

Stony Spot

Wet Spot

Other

Rails

US Routes

Major Roads

Local Roads

Very Stony Spot

Special Line Features

Streams and Canals

Interstate Highways

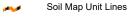
Aerial Photography

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Map Unit Polygons



Soil Map Unit Points

Special Point Features

Blowout

Borrow Pit

Clay Spot

Closed Depression

Gravel Pit

Gravelly Spot

Candfill

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

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%

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)

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 Depth to Groundwater

New Mexico Office of the State Engineer

Wells with Well Log Information

No wells found.

<u>UTMNAD83 Radius Search (in meters):</u>

Easting (X): 569694.89

Northing (Y): 3557537.17

Radius: 805

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

4/15/24 1:07 PM

WELLS WITH WELL LOG INFORMATION

	Logger:	Kristi	n Pope		Client:				Well ID:	
	Driller:	Ready	Drill LLC		Murchision	Oil & Gas				
	g Method:		(125 auger		Project Name:	\ rolosss			SB-1	
	Start Date: End Date:		3/2023 3/2023		Ogden 5A		County	,	(appox. 20 ft NW of p	ipeline tee)
		moderate and ste			32.15434, -104.26397	Sec. 2, 1				
Depth		Description		Time _{MST}	Remarks	Lithology	Comp	letion	Sample ID (chloride mg/kg)	Depth
(feet BGS)		Surface		0920	Samples collected from auger				Lab Analysis	(feet BGS)
2				0020	bit; all samples were dry				SB @ 3 ft = 2600	2
4	,	Green-gray silty cla	у	2000						4
6 8	Red	clay with gray-gree	n silt	0923					SB @ 6 ft = 1460	6 8
10				0931					SB @ 10 ft = 544	10
12	-	with 15% dark gray								12
14	Red & g	ray silt with 15% gr gypsum	ay-white	0948					CD 0 40 # - 220	14
16 18	5			0948					SB @ 16 ft = 336	16 18
20		with gray & white, akes; 20% dark gra		0952	20 ft - heavy rain delay				SB @ 20 ft = 432	20
22	9,750111111		., acioinile							22
24 26	†					/··/=/··				24 26
28	İ					/ <u></u>				28
30		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		1028		<u> </u>			SB @ 30 ft = 192	30
32 34	Gray-white	gypsum/dolomitic tan silt	layers with							32 34
36	†					/···/—/ /—/:/—/				36
38	ļ				38 ft - Heavy rain delay; bit					38
40 42	<u> </u>			1110	change				CD @ 40 F# = 200	40 42
44				1110		/·/·//////////////////////////////////	9	20	SB @ 42.5 ft = 288	44
46	Gray silt	with dark gray-white	e dolomite				= = = = = = = = = = = = = = = = = = = =	3		46
48						-/·/-/-/ /-/	Borehole backfilled with cuttings			48
50 52	<u> </u>			1135	135 52-90 ft - hard drilling		7	> 	SB @ 52 ft = 208	50 52
54				1100	32-90 It - Hard drilling	//////////////////////////////////////	194		32 H = 200	54
56							900	280		56
58 60	 			1200	At 60 ft, calcite or gypsum	/ / / / / / / / / / / / / / / / / / /	9	ם		58 60
62				1200	crystals appear until TD		1 2			62
64	<u> </u>					7 / / / / / /	à	ă		64
66	<u> </u>			1221						66
68 70						/_/ / // 				68 70
72	<u> </u>									72
74	 			1240					SB @ 73 ft = 352	74
76 78		gray silt with 40% h								76 78
80	Ilmestone	or dolostone layers	s or lenses		At 79 ft, becomes dusty (finer,	/ / / / / / / / / / / / / / / / / / /				80
82					less consolidated)	7 7 7 7 7				82
84 86	†				 	7/1/7/				84 86
88	<u> </u>									88
90				1352		/			SB @ 73 ft = 384	90
92 94										92 94
96	†				†					96
98						/ / / / / / / / / / / / / / / / / / /				98
100	}				1	/ /////////////////////////////////				100
102 104	†				†	7,				102 104
TD 105	<u> </u>			1447	TD = 105 ft	7/			SB @ 73 ft = 576	TD 105
	R.T. Hicks Consultants, Ltd				Murchison Oil & Gas		Plate #			
	901 Rio Grande Blvd NW Suite F-142 Albuquerque, NM 87104 Ogden				5A Release: Soil Borir		Sept 2023			

Attachment III Laboratory Analytical Reports – 2023 Soil Auger Boring



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/ga/lab accred certif.html.

Cardinal Laboratories is accreditated 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)

Celey D. Keine

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,

Celey D. Keene

Lab Director/Quality Manager



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 Sampling Date: 07/21/2023

Reported: 07/28/2023 Sampling Type: Soil

Project Name: OGDEN 5 H RELEASE Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

A ... - L ... - - - I D. .. MC

Project Location: MURCHISON

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

BTEX 8021B	mg,	'kg	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115	% 49.1-14	8						

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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



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 Sampling Date: 07/21/2023

Reported: 07/28/2023 Sampling Type: Soil

Project Name: OGDEN 5 H RELEASE Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Applyzed By: MC

Project Location: MURCHISON

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

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a 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	125	% 71.5-13	4						
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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111	% 49.1-14	8						

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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



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 Sampling Date: 07/21/2023

Reported: 07/28/2023 Sampling Type: Soil

Project Name: OGDEN 5 H RELEASE Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Applyzed By: MC

Project Location: MURCHISON

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

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a 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	% 71.5-13	4						
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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116	% 49.1-14	8						

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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



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 Sampling Date: 07/21/2023

Reported: 07/28/2023 Sampling Type: Soil

Project Name: OGDEN 5 H RELEASE Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: NONE GIVEN

Project Location: **MURCHISON**

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	% 71.5-13	4						
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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109 9	% 49.1-14	8						

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. Keine



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 Sampling Date: 07/21/2023

Reported: 07/28/2023 Sampling Type: Soil

Project Name: OGDEN 5 H RELEASE Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: MURCHISON

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

BTEX 8021B

BIEX 8021B	mg/	rky	Allalyze	а ву: мэ					
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	% 71.5-13	4						
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	95.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

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 whistoever 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 pervices 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



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 Sampling Date: 07/21/2023

Reported: 07/28/2023 Sampling Type: Soil

Project Name: OGDEN 5 H RELEASE Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: MURCHISON

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

BTEX 8021B

BIEX 8021B	mg/	rky	Allalyze	а ву: мэ					
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	% 71.5-13	4						
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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121	% 49.1-14	8						

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 whistoever 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 pervices 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



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 Sampling Date: 07/21/2023

Reported: 07/28/2023 Sampling Type: Soil

Project Name: OGDEN 5 H RELEASE Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: MURCHISON

mg/kg

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

BTEX 8021B

	9/	9	7	7: : : :					
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	% 71.5-13	4						
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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	131	% 49.1-14	8						

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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



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 Sampling Date: 07/21/2023

Reported: 07/28/2023 Sampling Type: Soil

Project Name: **OGDEN 5 H RELEASE** Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: NONE GIVEN

Project Location: **MURCHISON**

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

BTEX 8021B	mg/	'kg	Analyze	d 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 5	% 71.5-13	4						
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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	142 9	% 49.1-14	8						

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. Keine



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 Sampling Date: 07/21/2023

Reported: 07/28/2023 Sampling Type: Soil

Project Name: OGDEN 5 H RELEASE Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: MURCHISON

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

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
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	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121	% 49.1-14	8						

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 whistoever 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 pervices 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.

Celeg D. Keene



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 Sampling Date: 07/21/2023

Reported: 07/28/2023 Sampling Type: Soil

Project Name: **OGDEN 5 H RELEASE** Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: NONE GIVEN

Project Location: MURCHISON

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

BTEX 8021B	mg/	/kg	Analyze	d 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 9	% 71.5-13	4						
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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.1	% 49.1-14	8						

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. Keine



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 Sampling Date: 07/21/2023

Reported: 07/28/2023 Sampling Type: Soil

Project Name: OGDEN 5 H RELEASE Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: MURCHISON

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

BTEX 8021B

BIEX 8021B	mg/	rky	Allalyze	а ву: мэ					
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	% 71.5-13	4						
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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	120	% 49.1-14	8						

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 whistoever 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 inclured by client; is 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



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 Sampling Date: 07/21/2023

Reported: 07/28/2023 Sampling Type: Soil

Project Name: OGDEN 5 H RELEASE Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: MURCHISON

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

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
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	% 71.5-13	4						
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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118	% 49.1-14	8						

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 whistoever 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 pervices 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



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 Sampling Date: 07/21/2023

Reported: 07/28/2023 Sampling Type: Soil

Project Name: OGDEN 5 H RELEASE Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: MURCHISON

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

BTEX 8021B

Analyte Result Properting Limit Analyzed Properting Limit Method Blank Properting Limit BS % Recovery Mecovery Properting Limit Properting Limit Analyzed Properting Limit Properting Limi										
Toluene* <0.050 0.050 07/28/2023 ND 2.07 104 2.00 1.15 Ethylbenzene* <0.050	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Ethylbenzene* <0.050 0.050 0.7/28/2023 ND 1.99 99.4 2.00 1.45 Total Xylenes* <0.150 0.150 0.7/28/2023 ND 6.00 100 6.00 0.764 Total BTEX <0.300 0.300 0.7/28/2023 ND Surrogate: 4-Bromofluorobenzene (PID 99.7 % 71.5-134 Chloride, SM4500Cl-B mg/ky Analyzed Method Blank BS % Recovery True Value QC RPD Chloride 400 16.0 0.7/26/2023 ND 416 104 400 3.77 The B015M mg/ky Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0 10.0 0.7/26/2023 ND 188 93.8 200 22.3 DRO >C10-C28* <10.0 10.0 0.7/26/2023 ND 196 97.8 200 0.534 EXT DRO >C28-C36 <10.0 10.0 0.7/26/2023 ND 196 97.8 200 0.534 Surrogate: 1-Chlorooctane 83.0 % 48.2-134	Benzene*	<0.050	0.050	07/28/2023	ND	2.13	106	2.00	2.07	
Total Xylenes* <0.150 0.150 07/28/2023 ND 6.00 100 6.00 0.764 Total BTEX <0.300	Toluene*	<0.050	0.050	07/28/2023	ND	2.07	104	2.00	1.15	
Total BTEX <0.300 0.300 07/28/2023 ND Surrogate: 4-Bromofluorobenzene (PID 99.7 % 71.5-134 Chloride, SM4500Cl-B mg/ky Analyzed By: AC Chloride 400 16.0 07/26/2023 ND 416 104 400 3.77 TPH 8015M mg/ky Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 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 196 97.8 200 0.534 Surrogate: 1-Chlorooctane 83.0 % 48.2-134 48.2-134 48.2-134	Ethylbenzene*	<0.050	0.050	07/28/2023	ND	1.99	99.4	2.00	1.45	
Surrogate: 4-Bromofluorobenzene (PID 99.7 % 71.5-134 Chloride, SM4500Cl-B mg/kg Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 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 GRO C6-C10* <10.0	Total Xylenes*	<0.150	0.150	07/28/2023	ND	6.00	100	6.00	0.764	
Chloride, SM4500Cl-B mg / kg Analyzed Method Blank BS % Recovery True Value QC RPD 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 GRO C6-C10* <10.0	Total BTEX	<0.300	0.300	07/28/2023	ND					
Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 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 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: 4-Bromofluorobenzene (PID	99.7	% 71.5-13	4						
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 GRO C6-C10* <10.0	Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
TPH 8015M mg/kg Analyzed by: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 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	Chloride	400	16.0	07/26/2023	ND	416	104	400	3.77	
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	TPH 8015M	mg,	/kg	Analyze	ed By: MS					
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	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
EXT DRO >C28-C36 <10.0 10.0 07/26/2023 ND Surrogate: 1-Chlorooctane 83.0 % 48.2-134	GRO C6-C10*	<10.0	10.0	07/26/2023	ND	188	93.8	200	22.3	
Surrogate: 1-Chlorooctane 83.0 % 48.2-134	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-Chlorooctadecane 95.9 % 49.1-148	Surrogate: 1-Chlorooctane	83.0	% 48.2-13	4						
	Surrogate: 1-Chlorooctadecane	95.9	% 49.1-14	8						

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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg & Keene



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 Sampling Date: 07/21/2023

Reported: 07/28/2023 Sampling Type: Soil

Project Name: OGDEN 5 H RELEASE Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: MURCHISON

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

BTEX 8021B

	9/	9	7	7: : : :					
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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.3	% 49.1-14	8						

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 whistoever 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 pervices 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.

Celeg D. Keene



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 Sampling Date: 07/21/2023

Reported: 07/28/2023 Sampling Type: Soil

Project Name: **OGDEN 5 H RELEASE** Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: NONE GIVEN

Project Location: MURCHISON

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

BTEX 8021B	mg/	'kg	Analyze	d 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 5	% 71.5-13	4						
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	84.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.8	% 49.1-14	8						

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. Keine



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 Sampling Date: 07/21/2023

Reported: 07/28/2023 Sampling Type: Soil

Project Name: OGDEN 5 H RELEASE Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: MURCHISON

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

RTFY 8021R

2.00 2.07 2.00 1.15 2.00 1.45 6.00 0.764
2.00 1.15 2.00 1.45
2.00 1.45
6.00 0.764
e Value QC RPD Qualifie
400 3.77
e Value QC RPD Qualifie
200 22.3
200 0.534

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 whistoever 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 pervices 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



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 Sampling Date: 07/21/2023

Reported: 07/28/2023 Sampling Type: Soil

Project Name: **OGDEN 5 H RELEASE** Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: NONE GIVEN

Project Location: MURCHISON

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

BTEX 8021B	mg/	'kg	Analyze	d 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 5	% 71.5-13	4						
Chloride, SM4500CI-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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106 9	% 49.1-14	8						

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. Keine



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 Sampling Date: 07/21/2023

Reported: 07/28/2023 Sampling Type: Soil

Project Name: OGDEN 5 H RELEASE Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: MURCHISON

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

BTEX 8021B

BIEX 8021B	mg/	rky	Allalyze	а ву: мэ					
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	% 71.5-13	4						
Chloride, SM4500CI-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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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 whistoever 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 pervices 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



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 Sampling Date: 07/21/2023

Reported: 07/28/2023 Sampling Type: Soil

Project Name: **OGDEN 5 H RELEASE** Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: NONE GIVEN

Project Location: MURCHISON

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

BTEX 8021B	mg/	kg	Analyze	d 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 9	71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109 9	% 49.1-14	8						

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. Keine

Cardinal Laboratories

Celey D. Keene, Lab Director/Quality Manager

*=Accredited Analyte



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 Sampling Date: 07/21/2023

Reported: 07/28/2023 Sampling Type: Soil

Project Name: OGDEN 5 H RELEASE Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: MURCHISON

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

RTFY 8021R

Result <0.050 <0.050 <0.050 <0.150 <0.300	Reporting Limit 0.050 0.050 0.050 0.150	Analyzed 07/28/2023 07/28/2023 07/28/2023	Method Blank ND ND	BS 2.13 2.07	% Recovery 106 104	True Value QC 2.00	RPD 2.07	Qualifier
<0.050 <0.050 <0.150	0.050 0.050	07/28/2023					2.07	
<0.050 <0.150	0.050		ND	2.07	104			
<0.150		07/28/2023			101	2.00	1.15	
	0.150		ND	1.99	99.4	2.00	1.45	
< 0.300	0.150	07/28/2023	ND	6.00	100	6.00	0.764	
	0.300	07/28/2023	ND					
100	% 71.5-13	4						
mg	/kg	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
288	16.0	07/26/2023	ND	416	104	400	3.77	
mg	/kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	07/26/2023	ND	188	93.8	200	22.3	
<10.0	10.0	07/26/2023	ND	196	97.8	200	0.534	
<10.0	10.0	07/26/2023	ND					
87.5	% 48.2-13	4						
	mg Result 288 mg Result <10.0 <10.0	mg/kg Result Reporting Limit 288 16.0 mg/kg Result Reporting Limit <10.0 10.0 <10.0 10.0	mg/kg Analyzed Result Reporting Limit Analyzed 288 16.0 07/26/2023 mg/kg Analyzed Result Reporting Limit Analyzed <10.0	mg/kg Analyzed By: AC Result Reporting Limit Analyzed Method Blank 288 16.0 07/26/2023 ND mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank <10.0	mg/kg Analyzed By: AC Result Reporting Limit Analyzed Method Blank BS 288 16.0 07/26/2023 ND 416 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS <10.0	mg/kg Analyzed By: AC Result Reporting Limit Analyzed Method Blank BS % Recovery 288 16.0 07/26/2023 ND 416 104 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery <10.0	mg/kg Analyzed By: AC Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 288 16.0 07/26/2023 ND 416 104 400 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC <10.0	mg/ky Analyzed By: AC Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 288 16.0 07/26/2023 ND 416 104 400 3.77 mg/ky Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD <10.0

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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



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 Sampling Date: 07/21/2023

Reported: 07/28/2023 Sampling Type: Soil

Project Name: OGDEN 5 H RELEASE Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: MURCHISON

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

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110	% 49.1-14	8						

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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keene



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 Sampling Date: 07/21/2023

Reported: 07/28/2023 Sampling Type: Soil

Project Name: OGDEN 5 H RELEASE Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: MURCHISON

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

BTEX 8021B

	9/	9	7	7: : : :					
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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.9	% 49.1-14	8						

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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



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 Sampling Date: 07/21/2023

Reported: 07/28/2023 Sampling Type: Soil

Project Name: **OGDEN 5 H RELEASE** Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: NONE GIVEN

Project Location: **MURCHISON**

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

BTEX 8021B	mg/	/kg	Analyze	d 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 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.5	% 49.1-14	8						

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. Keine



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 Sampling Date: 07/21/2023

Reported: 07/28/2023 Sampling Type: Soil

Project Name: OGDEN 5 H RELEASE Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: MURCHISON

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

BTEX 8021B

BIEX 8021B	mg/	кg	Allalyze	а ву: мэ					
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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.0	% 49.1-14	8						

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 whistoever 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 pervices 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



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

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 whistoever 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. Keine

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



	(575) 393-2326 FAX (575) 393-2476	(575) 393-24/6	-								ı	ı			l	l	١			1				
Company Name:	RT Hicks Consultants	S									_	18	BILL TO		1	1	1	AN	ANALYSIS	18	F F	KEWUESI	31	1
Project Manager: Kristin Pope	Krist							_	P.O.	*					_	_	_			_				
Address: 901	901 Rio Grande Blvd NW, Suite F-142	uite F-142							Company; R.T.	npa	ny	Z	T. Hicks		_	_	_	_	_	_				
			Zip:	87104	04				Attn: Randy	7	an	dy			_	_	_	_	_	_	_			
e#:	5004 F	Fax #:						_	Ado	Address:	Si				_		_		_	_				
Project #:		Project Owner:	Murchison	chis	on				City:	77					_	_	_	_	_	_	_	_		
Project Name:	Project Name: Odden 5H release								State:	e		М	Zip:				_							
Project Location:	n:								Phone #:	one	#						1_	_	_	_				
Sampler Name:								_	Fax #:	#						_	1	_	_	_			_	
FOR LAB USE ONLY	2.000	P				MATRIX	R.X			PRESERV	SE	R	SAMPLING	JNG	le_	_	1/5		-					
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	Chlorid	BTEX	TPH 80							
1	55A-1 DO-	2 ++									-		7-21-23	1020	_	7	1	+	+	+	1	1		+
2	55A-1 62-	13 th	49.7			-					-			1022	1	7	¥	+	+	+				+
- 0	55A-1 @4.	2 4	20.	-	+	-					-			10/5	1		1	+	+					
74	100	17 11	- 1	-		_					-		_	1017			_		-					
e	SSA-2 64	5 4	-3										1	10/9		_		+	+	_			-	+
7	65A-3 60-	-2 ft (-			-					-			0942	-		1	+	+	1			+	+
>000	(3)	144	42	-	+						1		-	11100	+	*	+	+	+	_				-
	100 H-02	2 44	- 2	+		4					-		1	0922				H	Н	Ш				-
PLEASE NOTE: Liability and Dam analyses. All claims including those service. In no event shall Cardinal	ages. Cardinal's liab e for negligence and be liable for incident	s exclusive remedy for any claim se whatsoever shall be deemed ental damages, including without	fairn ar med wi	taing w alved to nitation	ng whether based in contract or tort, shall be limed unless made in writing and received by Card thor, business interruptions, loss of use, or loss thore.	based nade i	in co	tract g and gns, i	or tort	shall wed b	Can	mited dinal (tort, shall be limited to the amount paid eceived by Cardinal within 30 days after is of use, or loss of profits incurred by clicked to the characteristic of the shows child to be a constant.	nount paid by the client for the days after completion of the a great by client, its subsidiaries, entired by client, its subsidiaries.	applicable					40.0				
Relinquished By:	3y:		Received By:	ive	d B	A	V			11				Verbal Result:	ult: are emai	lled. F	□ No lease pro	orovide	Add'I Phone #:	addr.	ess:			
	By: Pape	100 July 3	Received By:	Ne ive	B		2	2	2 1	Ch	6	20	1	REMARKS:				d						
Delivered By: (Circle One)		Observed Temp. °C	5	2/	Sa	Sample Condition	0	and the	9	-	오		CHECKED BY:	Turnaround Time:	Time:	T (0	Standard Rush		C B	acter ol l	Bacteria (onl) Cool Intact	10	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C	
Sampler - UPS - Bus - Other:		Corrected Temp. *C	-	-		No No		N e	O W		1	4		Correction Factor 05'8 70.	Otor 05	4 4	white	1/21/	21/43 No No No	No	☐ Yes		Corrected Temp, °C	
							ĺ																	

Sampler - UPS - Bus - Other: Delivered By: (Circle One)

Observed Tamp, °C Corrected Tamp. *C

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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

Company Name: DT USE COMPANY			
R. J. Hicks Consultants		DITT IO	ANALYSIS REQUEST
Project Manager: Kristin Pope		P.O. 共	
Address: 901 Rio Grande Blvd NW, Suite F-142		Company: R.T. Hicks	
City: Albuquerque Str	Zip: 87104	Attn: Randy	
5004 F		Address:	
	Project Owner: Murchison	City:	
Project Name: Ogden 5H release		State: Zip:	
Project Location:	P	Phone #:	
Sampler Name: Kristin Pope	7	Fax#:	n
FOR LABUSE DNLY	MATRIX	PRESERV. SAMPLING	57
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:	ACID/BASE: ICE / COOL OTHER :	Chloride BTEX TPH 8013
1 25A-4 @ 4-4 25 21)		4
1355A-5 @ 0-2	tt (8 1 1 1)	8001	
14 55A-5 @ 2-4	tt [2]	(\ /0/0	
15 55A-5 @ 4.5t	7 6 1) /0/2	
1655A-6 @0-2	th 611	1 / 1058	
17 55A-6 @ 2-4	Pt 6 1 1	1 / /000	
-66	4 6 1 1	1002	
1-0 0 1-HC 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	09.50	
Cardina?s liability regligence and an ble for incidental o elated to the perfo	e remody for any claim acting whether based in contract or to overe shall be deemed waived unless made in witing and rec- uges, including without limitation, business interruptions, loss hereunder by Cardinal, repardiess of whether such claim to	rt, shall be limited to the amount paid by the client eived by Cardkral within 30 days after completion of or use, or loss of profits incurred by client. Its subaid of use, or loss of profits incurred by client. Its subaid or of the profits of the profits or of the profits of	for the (The applicable liantes,
Relinquished By: Date:	Date: Received By:	Verbal Result: All Results are	Verbal Result: ☐ Yes ☐ No Add'I Phone #: All Results are emailed. Please provide Email address;
Knoth Papa "100		kristing	kristin@rthicksconsult.com_R@rthicksconsult.com
Time:	123 Vecesser ph	REMAKI	6

6 (Initials

Thermometer ID #113-

Corrected Temp. °C

Turnaround Time:

Standard

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

N MANAN N	Relinquished By:	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive removily for any slaim analyses. All claims including those for negligence and any other cause whatspower shall be deemed service. In no event shall Cardinal be liable for indocental or consequential damages, including without afficiates or succession arising out of or related to the performance of services inserander by Cardinal afficiates or succession arising out of or related to the performance of services inserander by Cardinal afficiates or succession arising out of or related to the performance of services inserander by Cardinal afficiates or succession arising out of or related to the performance of services in services.						-	N	er c	22	2	H23-831	Lab I.D.	FOR LAB USE ONLY	Sampler Name:	Project Location:	Project Name: Ogden 5H release	Project #:	Phone #: 505-266-5004	City: Albuquerque	Address: 901 Rio Grande Blvd NW, Suite F-142	Project Manager:	Company Name:	1
rapia	0	amages. Cardinal's liability ose for negligence and any all be liable for incidental or at of or retaled to the performance.							CA-82	5A-8 6	5A-8 6	5A-7 @		Sample I.D.		Kristin Pope		den 5H release		6-5004	le	o Grande Blvd		R.T. Hicks Consultants	01 East Marian (575) 393-2326
Date: 31.2		and client's exclusive remedy le other cause whatspever shall consequental damages, inclu- mance of services hereunder b							tt y'h	2-4 ft	0-2 ft	45 th		e I.D.					Project Owner:	Fax #:	State: NM	NW, Suite F-142		sultants	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476
3 Received By:	Received By:	PLEASE NOTE: Lability and Damages. Cardinal's liability and client's exclusive remedy for any claim sizing whether based in contract or lot. shall be limited to the amount pold by the client for the analyses. All claims including those for negligence and any other cause whatspower shall be deemed waived unless made in witting and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including sixtud if infations, loss of use, or loss of profits incurred by client, its subsidiaries, afficiancy succession a risking out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	6 1 1	6 1	3	2	2	677	200	61	6 1	6	(G)RAB C # CONTA GROUNE WASTEV SOIL	WATER	T				ner: Murchison		Zip: 87104				2476
and have		arising whether based in contract or lost, shall be limited to the amount pold by the client for the waked unless made in witting and if received by Cardinal within 30 days after completion of the similation, business interruptions, loss of use, or loss of groffs incurred by client, its subdidiaries implantifies of whether such claim is based upon any of the above stated reasons or otherwise.							_				OIL SLUDGE OTHER: ACID/BAS ICE / COO		MATRIX PRESERV	Fax	Phone #:	State:	City:	Address:	Attn: Randy	Compar	P.O. #		
The Low		limited to the amount pai ardinal within 30 days afte ass of profits incurred by o any of the above stated re-	1									7213	OTHER:	JL.		1	77	Zip:		91	andy	Company: R.T. Hicks		BILL TO	
REMARKS:	Verbal Res	d by the client for the r completion of the app flent, its subsidiaries, asons or otherwise.						970	X PER	0937	0935	6954 X		7	SAMPLING							O,			
nicksconsult.com, R@rfhicksconsult.com	Verbal Result: Yes No [Add'l Phone #: All Results are emailed. Please provide Email address:								X	X	XX	X	BI	lorid EX 4 80	15	-11	2								
m, R@rthicks	I No Add'I Phone #:																							ANALYSIS	
consult com	address:																								
																								REQUEST	

4

Attachment IV 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 V NMSLO Loamy Sites Seed Mixture

NMSLO Seed Mix

Loamy (L)

LOAMY (L) SITES SEED MIXTURE:

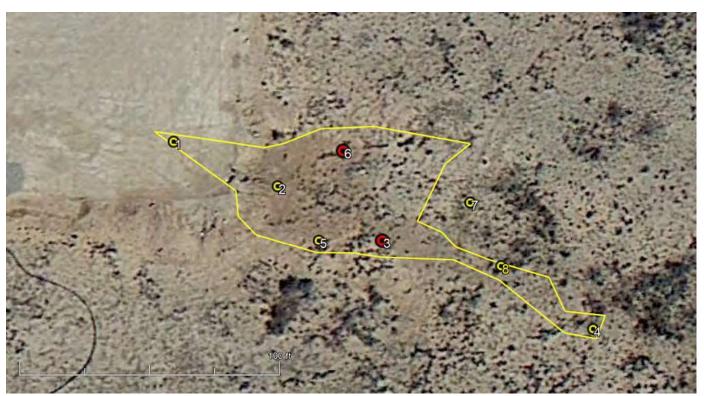
COMMON NAME	VARIETY	APPLICATION RATE (PLS/Acre)	DRILL BOX
Grasses:			
Black grama	VNS, Southern	1.0	D
Blue grama	Lovington	1.0	D
Sideoats grama	Vaughn, El Reno	4.0	F
Sand dropseed	VNS, Southern	2.0	\mathbf{S}
Alkali sacaton	VNS, Southern	1.0	
Little bluestem	Cimarron, Pastura	1.5	F
Forbs:	000000000000000000000000000000000000000		月
Firewheel (Gaillardia)	VNS, Southern	1.0	D
Shrubs:		8	B
Fourwing saltbush	Marana, Santa Rita	1.0	D B
Common winterfat	VNS, Southern	0.5	F
N 8	Total PLS/acro	2 18.0	818

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.



SITE PHOTOGRAPHS – OGDEN STATE 5H RELEASE



Above is the 4/6/2013 Google Earth Image that appears to show minor discoloration of the soil that may define the release footprint. Only sampling locations 6 and 3 exceed the Rule 29 reclamation limit (600 mg/kg) for chloride. The outline of the release is based upon this image, our 2023 field visit, and the laboratory results.



SP1 View northwest location of the October 2012 "base of delta" sample. A large rainfall event caused an overflow of the steel drilling pits on April 10, 2012. The released fluid drained to the southeast corner of the location, broke through the dirt berm, and caused erosion of the pad and deposition of a small alluvial fan (delta). This location is near the 2023 sample SSA-02.

SITE PHOTOGRAPHS – OGDEN STATE 5H RELEASE



SP2 View northwest from sample "edge of delta", which is slightly uphill from the 2023 sample SSA-03



SP3 Looking south-southwest showing the post hole boring of the "background" sample of April 2012. The base of delta and edge of delta sample bags are visible.

<u>District I</u> 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

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 330396

QUESTIONS

Operator:	OGRID:
Murchison Oil and Gas, LLC	15363
7250 Dallas Parkway	Action Number:
Plano, TX 75024	330396
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nMLB1211627407
Incident Name	NMLB1211627407 OGDEN STATE #005H @ 30-015-39993
Incident Type	Release Other
Incident Status	Remediation Plan 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	Not answered.
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

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 330396

1220 S. St Francis Dr., Santa Fe, NM 8/505 Phone:(505) 476-3470 Fax:(505) 476-3462		
QUESTI	ONS (continued)	
Operator: Murchison Oil and Gas, LLC 7250 Dallas Parkway Plano, TX 75024	OGRID: 15363 Action Number:	
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 s	afety 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.		
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.	
to report and/or file certain release notifications and perform corrective actions for releathe OCD does not relieve the operator of liability should their operations have failed to a	nowledge and understand that pursuant to OCD rules and regulations all operators are required uses which may endanger public health or the environment. The acceptance of a C-141 report by idequately investigate and remediate contamination that pose a threat to groundwater, surface does not relieve the operator of responsibility for compliance with any other federal, state, or	

Name: Cindy Cottrell Title: Regulatory Coordinator

Email: ccottrell@jdmii.com Date: 04/16/2024

I hereby agree and sign off to the above statement

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

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 330396

QUESTIONS (continued)

Operator:	OGRID:
Murchison Oil and Gas, LLC	15363
7250 Dallas Parkway	Action Number:
Plano, TX 75024	330396
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization		
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)	
What method was used to determine the depth to ground water	Attached Document	
Did this release impact groundwater or surface water	No	
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:		
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)	
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)	
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)	
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)	
Any other fresh water well or spring	Between 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 a	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	n approval with this submission	Yes
Attach a comprehensive report demon	strating 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 ex	ctents 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 CI B)	1170
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	0
GRO+DRO	(EPA SW-846 Method 8015M)	0
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0
	C unless the site characterization report includes completed es for beginning and completing the remediation.	d efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
On what estimated date will the remediation commence		04/23/2024
On what date will (or did) the final sampling or liner inspection occur		05/23/2024
On what date will (or was) the remediation complete(d)		06/23/2023
What is the estimated surface area (in square feet) that will be reclaimed		1400
What is the estimated volume (in cubic yards) that will be reclaimed		300
What is the estimated surface	area (in square feet) that will be remediated	1400
What is the estimated volume (in cubic yards) that will be remediated 300		300
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 re	mediation measures may have to be minimally adjusted in a	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.

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

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 4

Action 330396

QUESTIONS (continued)

Operator:	OGRID:
Murchison Oil and Gas, LLC	15363
7250 Dallas Parkway	Action Number:
Plano, TX 75024	330396
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date. This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(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	R360 Artesia LLC LANDFARM [fEEM0112340644]
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	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

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

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: 04/16/2024

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

Released to Imaging: 4/19/2024 11:06:28 AM

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

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 5

Action 330396

QUESTIONS (continued)

Operator:	OGRID:
Murchison Oil and Gas, LLC	15363
7250 Dallas Parkway	Action Number:
Plano, TX 75024	330396
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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

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

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 6

Action 330396

QUESTIONS (continued)

Remediation Closure Request		
Last sampling notification (C-141N) recorded	{Unavailable.}	
Sampling Event Information		
QUESTIONS		
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	
7250 Dallas Parkway Plano, TX 75024	Action Number: 330396	
Operator: Murchison Oil and Gas, LLC	OGRID: 15363	

No

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

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

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 330396

CONDITIONS

Operator:	OGRID:
Murchison Oil and Gas, LLC	15363
7250 Dallas Parkway	Action Number:
Plano, TX 75024	330396
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Condition Date
4/19/2024
4/19/2024
4/19/2024
4/19/2024
4/19/2024
4/19/2024
4/19/2024
4/19/2024
4/19/2024
4