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Final Closure Report

Grizzly Operating, LLC
CS Caylor #3 Flowline
Lea County, New Mexico
Unit Letter "H", Section 1, Township 17 South, Range 36 East
Latitude 32.86709 North, Longitude 103.301054 West
NMOCD Incident # NRM2022558133

Prepared For:

Grizzly Operating, LLC
4001 Penbrook, Suite 201
Odessa, TX 79762

Prepared By:

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4024 Plains Hwy
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November 2020

Lindsey Nevels
Project Manager

Daniel Dominguez
Sr. Project Manager

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Attachments

HUNGRY HORSE, LLC

The following *Final Closure Report* serves as a condensed update on field activities undertaken at the afore referenced Site.

Background:

The site is located in Unit Letter H (SE/NE), Section 1, Township 17 South, Range 36 East, approximately 5.8 miles southeast of Lovington, in Lea County, New Mexico. The property is owned by the city of Lovington. 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 in a pasture area next to a lease road; latitude 32.86709 North, Longitude 103.301054 West. The Initial NMOCD Form C-141 indicated that on August 10, 2020, approximately 23 bbls of produced water was released with no produced water recovered. The release was attributed to the failure of a poly flowline. Previously submitted pages of the NMOCD Form C-141 are available on the NMOCD Imaging System. The Remediation and Closure pages of the NMOCD Form C-141 are included as Attachment V.

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 not located in a designated Karst area. Depth to groundwater information is provided as Attachment II and the results are depicted on Figures 1 & 2.

Utilizing this information, the NMOCD Closure Criteria for the Site were determined as follows:

Depth to Groundwater	Constituent	Method	Limit
51' – 100'	Chloride	EPA 300.0 or SM4500 CLB	10,000 mg/kg
	TPH (GRO + DRO + MRO)	EPA SW-846 Method 8015M Ext	2,500 mg/kg
	DRO + GRO	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Methods 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Methods 8021B or 8260B	10 mg/kg

Delineation Activities:

On August 10, 2020, Hungry Horse, LLC conducted an initial site assessment. During the site assessment a series of test trenches were advanced within the release area in an effort to determine the vertical extent of impacted soil. In addition, test trenches were advanced at the inferred edges of the release area in an effort to determine the horizontal extent of impacted

soil. During the advancement of the test trenches, soil samples were collected and field screened for the presence of Volatile Organic Compounds utilizing a Photoionization Detector (PID). Chloride concentrations were determined via titration by use of a La Motte chloride kit.

On August 13, 2020, sixteen (16) delineation soil samples, SP1 through SP8, were submitted to the laboratory for analysis of BTEX, TPH, and Chloride. Two (2) soil samples from each test trench (highest observed contaminated and deepest depth investigated) were submitted for laboratory analysis. Laboratory analytical results indicated BTEX concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples. TPH concentrations were below the NMOCD Closure Criteria in each of the submitted samples with the exception of SP1 @ Surf, SP2 @ Surf, SP3 @ Surf, and SP4 @ Surf, which exhibited TPH concentrations of 488.1 mg/kg, 397 mg/kg, 764 mg/kg and 126 mg/kg, respectively. Chloride concentrations were below the NMOCD Closure Criteria in each of the submitted samples with the exception of the surface samples at sample locations SP1 through SP8.

On August 17, 2020, twelve (12) horizontal delineation samples, HZ1B through HZ6B, were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Two (2) soil samples from each test trench (highest observed contaminated and deepest depth investigated) were submitted for laboratory analysis. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples with the exception of HZ2B, HZ3B, HZ4B, and HZ5B, all at five (5) feet bgs. HZ2B, HZ3B, and HZ4B exhibited chloride concentrations of 2,940 mg/kg, 2,810 mg/kg, and 2,660 mg/kg, respectively. HZ5B exhibited a TPH concentration of 113 mg/kg.

On August 31, 2020, delineation sampling continued on site. Sample locations SP2, SP3, SP4, SP5, HZ2, HZ3, HZ4, and HZ5 were resampled in an effort to fully delineate the site. Four (4) delineation samples, SP2 through SP5, and eight (8) horizontal delineation samples, HZ2C through HZ5C, were sent to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples with the exception of HZ2C at five (5) feet bgs and HZ5C at five (5) feet bgs which exhibited TPH concentrations of 659 mg/kg and 444 mg/kg, respectively.

Remediation Activities:

On October 16, 2020, remediation activities commenced on location. In accordance with NMOCD guidelines, impacted soil was excavated to a depth of four and a half (4.5) feet bgs or until field observations and laboratory analytical data suggested BTEX, TPH, and chloride concentrations were below the NMOCD Closure Criteria. Excavated soil was transported to an NMOCD approved disposal facility.

On October 22, 2020, delineation sampling continued on site. Sample locations SP8, HZ2, and HZ5, were resampled in an effort to fully delineate the site. One (1) delineation sample, SP8, and four (4) horizontal delineation samples, HZ2D and HZ5D, were sent to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples.

On October 28, 2020, after removal of impacted soil, composite confirmation soil samples, representing every 200 sq. ft., were collected from the excavation floor. Composite samples were also collected from the sidewalls of the excavation, each representing fifty (50) linear feet. Composite closure samples BH1 through BH43, and SW1 through SW12, were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Fifty-five (55) composite samples were collected and submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the NMOCD Closure Criteria in each of the submitted samples with the exception of SW1 through SW4 which exhibited chloride concentrations of 666 mg/kg, 718 mg/kg, 696 mg/kg, and 678 mg/kg, respectively.

On November 6, 2020, remediation activities continued on site. The areas characterized by sample locations SW1 through SW4 were excavated and impacted soil transported to an NMOCD approved disposal facility.

On November 9, 2020, closure sampling continued on site. Four (4) composite closure samples, SW1b through SW4b, were collected from the excavation sidewalls and submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the NMOCD Closure Criteria in each of the submitted samples.

A Delineation Sample Location Map and an Excavation Sample Location Map are provided as Figure 4 and Figure 5, and Field data is provided as Attachment III. A Summary of Soil Sample Laboratory Analytical Results is provided as Table 1 and Laboratory Analytical Reports are provided as Attachment IV.

The excavated area measured approximately 100 ft. in length, 86 ft. in width, and four and a half (4.5) feet in depth. During remediation activities approximately 2,300 cubic yards of impacted soil were hauled to an NMOCD approved disposal facility.

Restoration, Reclamation, and Re-Vegetation:

The area was then backfilled with clean, non-impacted, like material and brought back to at, or near, original relative positions. The affected area was contoured to achieve erosion control

and preserve surface water flow. Affected areas not on production areas will be reseeded with an approved seed mixture during the first favorable growing season following closure of the site.

Closure Request:

Remediation activities were conducted in accordance with applicable NMOCD Regulations. The impacted soil was excavated and transported to an NMOCD approved disposal facility. Laboratory analytical results from composite confirmation soil samples indicate concentrations of BTEX, TPH, and chloride are below the NMOCD Closure Criteria.

Based on laboratory analytical results and field activities conducted to date, Hungry Horse recommends Grizzly Operating, LLC provide copies of this *Final Closure Report* to the appropriate agencies and request closure be granted to the CS Caylor #3 Flowline leak.

Limitations:

Hungry Horse, LLC, has prepared this Final Closure Report 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:

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Odessa, TX 79762

New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division, District 1
1625 N. French Drive
Hobbs, NM 88240

Figures

Figure 1
Topographic Map
Grizzly Energy
CS Caylor #3 Flowline
GPS: 32.86709, -103.301054
Lea County

Legend:

● CS Caylor #3 Flowline Location

Drafted: dd
Checked: lmn
Date: 8/11/20

Hungry-Horse, LLC
Oil & Gas Services

Figure 2
OSE POD Locations Map
Grizzly Energy
CS Caylor #3 Flowline
GPS: 32.86709, -103.301054
Lea County

Legend:
- CS Caylor #3 Flowline
- Active OSE Water Well
- Pending OSE Water Well

Drafted: lmn
Checked: dd
Date: 8/11/20

Hungry-Horse, LLC
Oil & Gas Services

Figure 3
USGS Well Locations Map
Grizzly Energy
CS Caylor #3 Flowline
GPS: 32.86709, -103.301054
Lea County

Legend:
- CS Caylor #3 Flowline
- USGS Well Location

Drafted: lmn
Checked: dd
Date: 8/11/20

Hungry-Horse, LLC
Oil & Gas Services

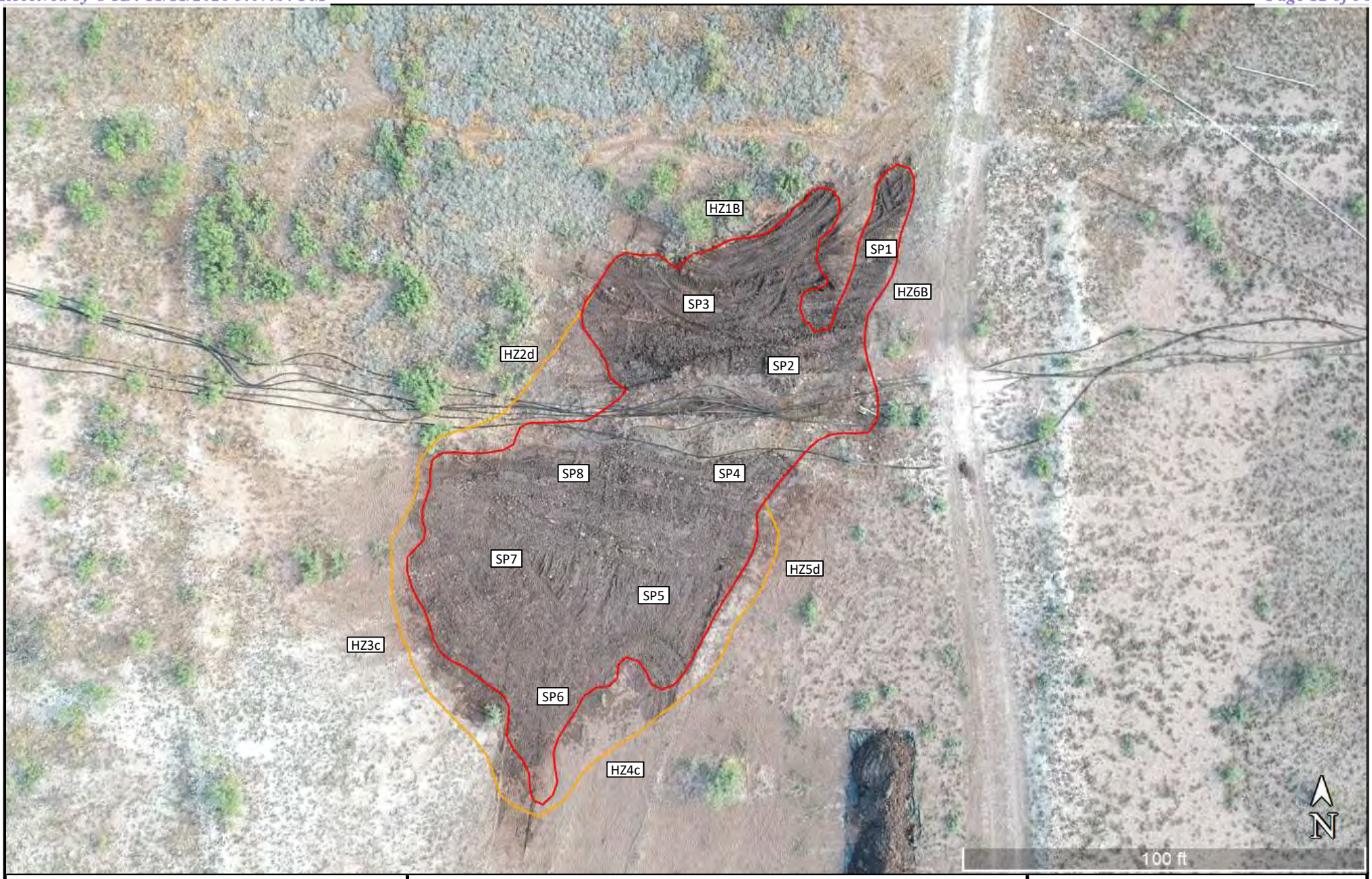

Figure 4
Delineation Sample Map
Grizzly Energy
CS Caylor #3 Flowline
GPS: 32.86709, -103.301054
Lea County

Legend:
- Release Area
- Expanded Release Area
- SP1 Sample Location

Drafted: dd
Checked: lmn
Date: 10/22/20

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Oil & Gas Services

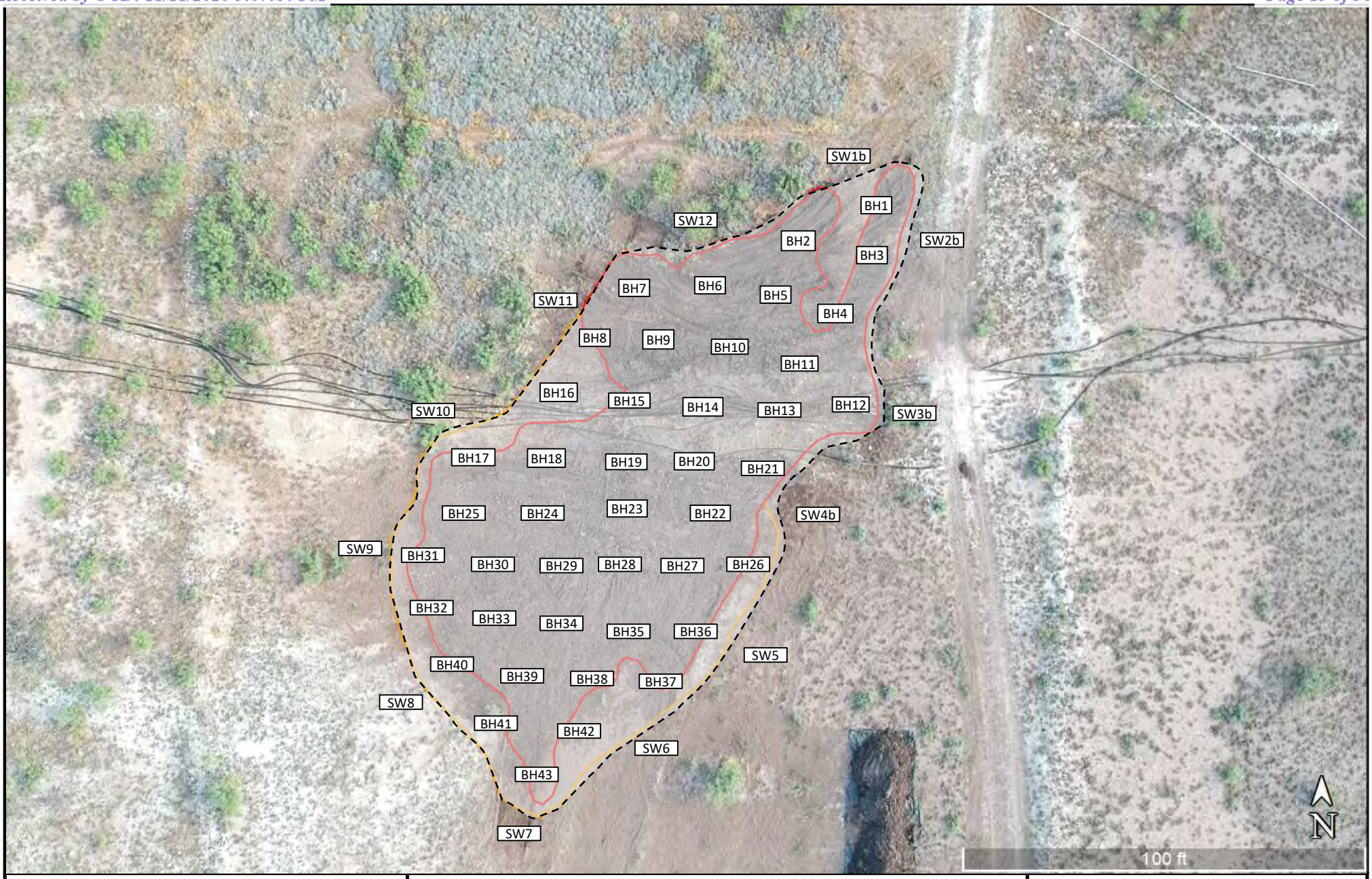


Figure 5
Excavation Sample Map
Grizzly Energy
CS Caylor #3 Flowline
GPS: 32.86709, -103.301054
Lea County

Legend:
- Release Area
- Expanded Release Area
- Excavated Area
- BH1 Composite Sample Location

Drafted: dd
Checked: lmn
Date: 11/9/20

Hungry-Horse, LLC
Oil & Gas Services

Tables

TABLE 1
Summary of Soil Sample Laboratory Analytical Results
Grizzly Energy
CS Caylor #3 Flowline
NMOCD Ref. #: nRM2022558133

Sample ID	Date	Depth (ft)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C_6-C_{10} (mg/kg)	DRO C_{10}-C_{28} (mg/kg)	GRO + DRO C_6-C_{28} (mg/kg)	ORO C_{28}-C_{36} (mg/kg)	TPH C_6-C_{36} (mg/kg)	Chloride (mg/kg)
SP1	8/13/20	Surf	Excavated	0.420	2.79	60.5	377	**437.5**	50.6	**488.1**	**5,070**
	8/13/20	5	In Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	225
SP2	8/13/20	Surf	Excavated	0.535	3.90	<50.0	344	**344**	53	**397**	**10,200**
	8/13/20	5	In Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	**1,870**
SP3	8/13/20	Surf	Excavated	0.170	0.298	<49.8	645	**645**	119	**764**	**20,800**
	8/13/20	5	In Situ	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	<50.0	**3,750**
SP4	8/13/20	Surf	Excavated	0.604	1.70	<50.0	126	**126**	<50.0	**126**	**6,930**
	8/13/20	5	In Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	**2,240**
SP5	8/13/20	Surf	Excavated	<0.00199	<0.00199	<49.8	<49.8	<49.8	<49.8	<49.8	**29,700**
	8/13/20	5	In Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	303
SP6	8/13/20	Surf	Excavated	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	<49.9	**7,670**
	8/13/20	5	In Situ	<0.00201	<0.00201	<49.8	<49.8	<49.8	<49.8	<49.8	571
SP7	8/13/20	Surf	Excavated	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	**4,390**
	8/13/20	5	In Situ	0.00257	0.00582	<49.9	<49.9	<49.9	<49.9	<49.9	68.1
SP8	8/13/20	Surf	Excavated	0.00205	0.0273	<49.8	<49.8	<49.8	<49.8	<49.8	**21,100**
	8/13/20	5	In Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	**2,550**
HZ1B	8/17/20	Surf	In Situ	0.00395	0.00641	<50.0	<50.0	<50.0	<50.0	<50.0	168
	8/17/20	5	In Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	281
HZ2B	8/17/20	Surf	Excavated	0.00318	0.00318	<50.0	<50.0	<50.0	<50.0	<50.0	97.4
	8/17/20	5	In Situ	<0.00198	0.00219	<49.9	<49.9	<49.9	<49.9	<49.9	**2,940**
HZ3B	8/17/20	Surf	Excavated	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	21.7
	8/17/20	5	In Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	**2,810**
HZ4B	8/17/20	Surf	Excavated	<0.00201	<0.00201	<49.9	<49.9	<49.9	<49.9	<49.9	87
	8/17/20	5	In Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	**2,660**
HZ5B	8/17/20	Surf	Excavated	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	323
	8/17/20	5	In Situ	<0.00198	<0.00198	<50.0	113	113	<50.0	113	106
HZ6B	8/17/20	Surf	In Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	300
	8/17/20	5	In Situ	0.00359	0.00359	<49.9	<49.9	<49.9	<49.9	<49.9	103
SP2	8/31/20	5.5	In Situ	ND	ND	ND	ND	ND	ND	ND	110
SP3	8/31/20	5.5	In Situ	ND	ND	ND	ND	ND	ND	ND	87
SP4	8/31/20	5.5	In Situ	ND	ND	ND	ND	ND	ND	ND	102
SP5	8/31/20	5.5	In Situ	ND	ND	ND	ND	ND	ND	ND	92.1
HZ2C	8/31/20	Surf	Excavated	ND	ND	ND	ND	ND	ND	ND	156.0
	8/31/20	5	In Situ	ND	ND	ND	263	263	396	659	ND
HZ3C	8/31/20	Surf	In Situ	ND	ND	ND	ND	ND	ND	ND	92.9
	8/31/20	5	In Situ	ND	ND	ND	ND	ND	ND	ND	ND
HZ4C	8/31/20	Surf	In Situ	ND	ND	ND	ND	ND	ND	ND	116
	8/31/20	5	In Situ	ND	ND	ND	ND	ND	ND	ND	ND
HZ5C	8/31/20	Surf	Excavated	ND	ND	ND	ND	ND	ND	ND	136
	8/31/20	5	In Situ	ND	ND	ND	157	222	222	444	ND
SP8	10/22/20	5.5	In Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	10.9
HZ2D	10/22/20	Surf	In Situ	<0.00201	<0.00201	<50.0	55.4	55.4	<50.0	55.4	11.0
	10/22/20	5	In Situ	<0.00201	<0.00201	<50.0	86.2	86.2	<50.0	86.2	12.5
HZ5D	10/22/20	Surf	In Situ	<0.00198	<0.00198	<49.9	57.7	57.7	<49.9	57.7	12.0
	10/22/20	5	In Situ	<0.00201	<0.00201	<50.0	52.5	52.5	<50.0	52.5	12.1
NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**1,000**	**-**	**2,500**	**10,000**

NOTES:
- = Sample not analyzed for that constituent.
Bold text denotes a concentration that exceeds the NMOCD Closure Criteria

TABLE 1
Summary of Soil Sample Laboratory Analytical Results
Grizzly Energy
CS Caylor #3 Flowline
NMOCD Ref. #: nRM2022558133

Sample ID	Date	Depth (ft)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C_6-C_{10} (mg/kg)	DRO C_{10}-C_{28} (mg/kg)	GRO + DRO C_6-C_{28} (mg/kg)	ORO C_{28}-C_{36} (mg/kg)	TPH C_6-C_{36} (mg/kg)	Chloride (mg/kg)
BH1	10/28/20	4.5	In Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	1,520
BH2	10/28/20	4.5	In Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	1,600
BH3	10/28/20	4.5	In Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	2,740
BH4	10/28/20	4.5	In Situ	<0.00202	<0.00202	<49.9	<49.9	<49.9	<49.9	<49.9	3,070
BH5	10/28/20	4.5	In Situ	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	2,870
BH6	10/28/20	4.5	In Situ	<0.00201	<0.00201	<49.9	<49.9	<49.9	<49.9	<49.9	2,060
BH7	10/28/20	4.5	In Situ	<0.00202	<0.00202	<49.8	<49.8	<49.8	<49.8	<49.8	1,820
BH8	10/28/20	4.5	In Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	1,840
BH9	10/28/20	4.5	In Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	3,350
BH10	10/28/20	4.5	In Situ	<0.00201	<0.00201	<49.9	<49.9	<49.9	<49.9	<49.9	3,620
BH11	10/28/20	4.5	In Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	3,520
BH12	10/28/20	4.5	In Situ	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	<49.9	3,970
BH13	10/28/20	4.5	In Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	3,850
BH14	10/28/20	4.5	In Situ	<0.00198	<0.00198	<49.8	<49.8	<49.8	<49.8	<49.8	3,080
BH15	10/28/20	4.5	In Situ	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	3,010
BH16	10/28/20	4.5	In Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	2,730
BH17	10/28/20	4.5	In Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	2,790
BH18	10/28/20	4.5	In Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	2,830
BH19	10/28/20	4.5	In Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	3,210
BH20	10/28/20	4.5	In Situ	<0.00202	<0.00202	<49.8	<49.8	<49.8	<49.8	<49.8	2,960
BH21	10/28/20	4.5	In Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	3,290
BH22	10/28/20	4.5	In Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	2,280
BH23	10/28/20	4.5	In Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	1,960
BH24	10/28/20	4.5	In Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	2070
BH25	10/28/20	4.5	In Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	2030
BH26	10/28/20	4.5	In Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	2450
BH27	10/28/20	4.5	In Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	1150
BH28	10/28/20	4.5	In Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	1,040
BH29	10/28/20	4.5	In Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	706
BH30	10/28/20	4.5	In Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	673
BH31	10/28/20	4.5	In Situ	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	<50.0	751
BH32	10/28/20	4.5	In Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	895
BH33	10/28/20	4.5	In Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	819
BH34	10/28/20	4.5	In Situ	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	<49.9	664
BH35	10/28/20	4.5	In Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	763
BH36	10/28/20	4.5	In Situ	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	1230
BH37	10/28/20	4.5	In Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	1210
BH38	10/28/20	4.5	In Situ	<0.00199	<0.00199	<49.8	<49.8	<49.8	<49.8	<49.8	1,150
BH39	10/28/20	4.5	In Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	1,200
BH40	10/28/20	4.5	In Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	1,240
BH41	10/28/20	4.5	In Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	991
BH42	10/28/20	4.5	In Situ	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	<50.0	1,110
BH43	10/28/20	4.5	In Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	1,180
NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**1,000**	**-**	**2,500**	**10,000**

NOTES:
- = Sample not analyzed for that constituent.
Bold text denotes a concentration that exceeds the NMOCD Closure Criteria

TABLE 1
Summary of Soil Sample Laboratory Analytical Results
Grizzly Energy
CS Caylor #3 Flowline
NMOCD Ref. #: nRM2022558133

Sample ID	Date	Depth (ft)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C_6-C_{10} (mg/kg)	DRO C_{10}-C_{28} (mg/kg)	GRO + DRO C_6-C_{28} (mg/kg)	ORO C_{28}-C_{36} (mg/kg)	TPH C_6-C_{36} (mg/kg)	Chloride (mg/kg)
SW1	10/28/20	2	Excavated	0.00203	0.0107	<49.8	<49.8	<49.8	<49.8	<49.8	**666**
SW2	10/28/20	2	Excavated	0.00217	0.00812	<50.0	<50.0	<50.0	<50.0	<50.0	**718**
SW3	10/28/20	2	Excavated	0.00272	0.0150	<49.9	<49.9	<49.9	<49.9	<49.9	**696**
SW4	10/28/20	2	Excavated	<0.00202	0.00931	<49.9	<49.9	<49.9	<49.9	<49.9	**678**
SW5	10/28/20	2	In Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	333
SW6	10/28/20	2	In Situ	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	343
SW7	10/28/20	2	In Situ	<0.00201	<0.00201	<49.9	<49.9	<49.9	<49.9	<49.9	280
SW8	10/28/20	2	In Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	376
SW9	10/28/20	2	In Situ	<0.00201	<0.00201	<49.8	<49.8	<49.8	<49.8	<49.8	337
SW10	10/28/20	2	In Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	325
SW11	10/28/20	2	In Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	403
SW12	10/28/20	2	In Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	331
SW1b	11/9/20	2	In Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	7.05
SW2b	11/9/20	2	In Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	<5.03
SW3b	11/9/20	2	In Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	<4.96
SW4b	11/9/20	2	In Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	<4.99
NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**1,000**	**-**	**2,500**	**10,000**

NOTES:
- = Sample not analyzed for that constituent.
Bold text denotes a concentration that exceeds the NMOCD Closure Criteria

Attachment I
Site Photographs

Photographs

Photo: 1	
Direction: Northeast	
Description: Release area	

Photo: 2	
Direction: East	
Description: Release area	

Photographs

Photo: 3 **Direction:** Northeast **Description:** Release area	

Photo: 4 **Direction:** Southeast **Description:** Release area	

Photographs

Photo: 5 **Direction:** East **Description:** Excavation activities	

Photo: 6 **Direction:** Southeast **Description:** Excavation activities	

Photographs

Photo: 7 **Direction:** Northwest **Description:** Excavation activities	

Photo: 8 **Direction:** West **Description:** Excavation activities	

Photographs

Photo: 9 **Direction:** West **Description:** Excavation activities	

Photo: 10 **Direction:** Southwest **Description:** Backfilling excavation	

Photographs

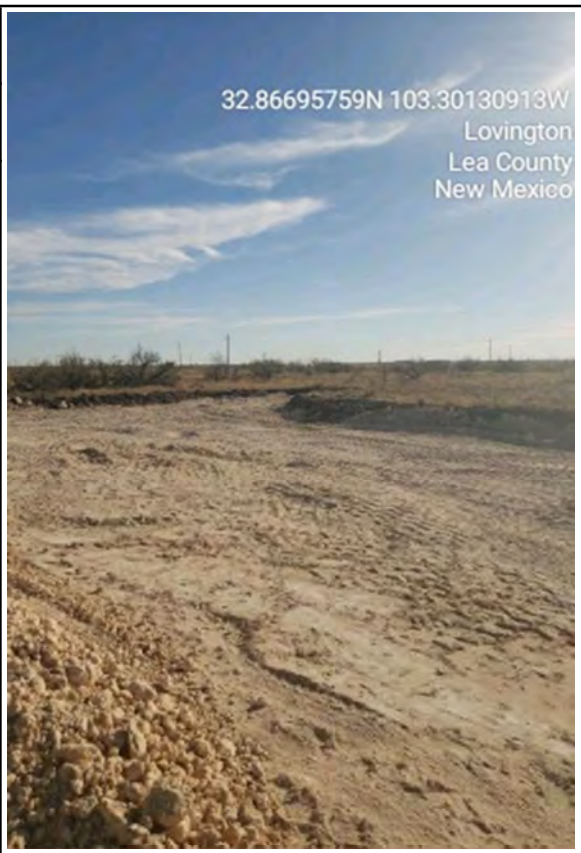
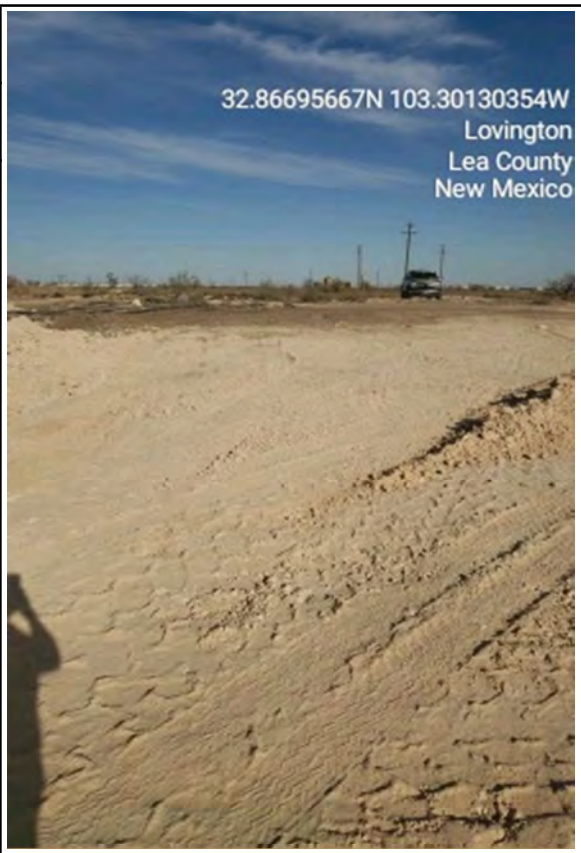
Photo: 11	
Direction: Southwest	
Description: Backfilling excavation	

Photo: 12	
Direction: Northeast	
Description: Backfilling excavation	

Photographs

Photo: 13 **Direction:** East **Description:** Backfill complete	

Photo: 14 **Direction:** West **Description:** Backfill complete	

Photographs

Photo: 15 **Direction:** Southwest **Description:** Backfill complete	

Photo: 16 **Direction:** South **Description:** Backfill complete	

Attachment II
Depth to Groundwater Information

New Mexico Office of the State Engineer
Wells with Well Log Information

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

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

(NAD83 UTM in meters)

(in feet)

POD Number	POD Code	Sub-basin	County	Source	q 6416	q 4	q 2	Sec	Tws	Rng	X	Y	Distance	Start Date	Finish Date	Log File Date	Depth Well	Depth Water	Driller	License Number
L 12562 POD11		L	LE	Shallow	2	4	2	01	17S	36E	658989	3637831	33	05/20/2010	05/20/2010	06/08/2010	112	97	BRYAN NYDOSKE	1210
L 02508		L	LE	Shallow	2	2	2	01	17S	36E	659013	3638194*	366	11/17/1954	11/20/1954	11/26/1954	120	40	TATUM, CLAUDE E.	33
L 10633	R	L	LE	Shallow			4	13	17S	36E	659026	3637389*	448	04/17/2001	04/19/2001	07/16/2001	209	80	KEN MARSH	586
L 14207 POD1		L	LE	Shallow	3	3	2	01	17S	36E	658500	3637679	480	10/07/2016	10/12/2016	12/12/2016	240	100	WHITE, JOHN W	1456
L 04988		L	LE	Shallow		1	2	01	17S	36E	658510	3638089*	514	01/02/1963	01/03/1963	01/10/1963	195	55	MURRELL ABBOTT	46
L 12562 POD4		L	LE	Shallow	4	4	2	36	16S	36E	658584	3638296	594	05/24/2010	05/24/2010	06/08/2010	121	106	BRYAN NYDOSKE	1210
L 02561		L	LE	Shallow	3	3	3	31	16S	37E	659210	3638403*	625	03/02/1954	03/03/1954	03/30/1954	137	50		46
L 10633 S	R	L	LE	Shallow			4	13	17S	36E	659026	3637189*	646	04/20/2001	04/25/2001	07/16/2001	228	120	KEN MARSH	586
L 02474		L	LE	Shallow		1	3	06	17S	37E	659331	3637296*	654	01/13/1954	01/14/1954	03/02/1954	100	40		33
L 01371		L	LE	Shallow	4	3	4	36	16S	36E	658603	3638389*	659	02/22/1952	02/23/1952	02/25/1952	115	45	ABBOTT, CLYDE	46
L 14207 POD2		L	LE	Shallow	2	4	1	01	17S	36E	658222	3637712	743	10/05/2016	10/12/2016	12/12/2016	230	101	WHITE, JOHN W	1456
L 01220 POD1		L	LE	Shallow		3	3	31	16S	37E	659311	3638504*	760	09/17/1951	09/18/1951	09/28/1951	120	55	ABBOTT BROTHERS	
L 01438		L	LE	Shallow		3	4	36	16S	36E	658504	3638490*	798	05/05/1952	05/06/1952	05/20/1952	110	45		46
L 13332 POD1		L	LE	Shallow	1	3	3	36	16S	37E	659161	3638638	832	06/18/2013	06/21/2013	08/05/2013	106	102	SHANE CURRIE	1575
L 10633 POD5		L	LE	Shallow	2	4	4	01	17S	36E	659032	3636987	848	04/20/2001	04/25/2001	07/16/2001	228	120	KEN MARSH	586
L 10633 S2	R	L	LE	Shallow			4	13	17S	36E	659032	3636987*	848	04/26/2001	04/30/2001	07/16/2001	196	80	KEN MARSH	586

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

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

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

(NAD83 UTM in meters)

(in feet)

POD Number	POD Sub-basin Code	County	Source	q 6416	q 4	q 4	Sec	Tws	Rng	X	Y	Distance	Start Date	Finish Date	Log File Date	Depth Well	Depth Water	Driller	License Number
L 10633 S4	L	LE	Shallow	2	4	4	01	17S	36E	659032	3636987	848	06/24/2004	07/05/2004	07/12/2004	204	110		1498
L 10633 POD4	L	LE	Shallow	1	4	4	01	17S	36E	658832	3636987	853	04/17/2001	04/19/2001	07/16/2001	209	80	KEN MARSH	586

Record Count: 18

UTMNAD83 Radius Search (in meters):

Easting (X): 658955.62 **Northing (Y):** 3637831.92 **Radius:** 880

New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	L 02508	2	2	2	01	17S	36E	659013	3638194*

Driller License:	33	**Driller Company:**	TATUM CLAUDE E.		
Driller Name:	TATUM, CLAUDE E.				
Drill Start Date:	11/17/1954	**Drill Finish Date:**	11/20/1954	**Plug Date:**	
Log File Date:	11/26/1954	**PCW Rcv Date:**	08/15/1955	**Source:**	Shallow
Pump Type:	TURBIN	**Pipe Discharge Size:**		**Estimated Yield:**	115 GPM
Casing Size:	7.00	**Depth Well:**	120 feet	**Depth Water:**	40 feet

Water Bearing Stratifications:	Top	Bottom	Description
	40	120	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	60	120

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

New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	L 04988		1	2	01	17S	36E	658510	3638089*

Driller License:	46	**Driller Company:**	ABBOTT BROTHERS COMPANY		
Driller Name:	MURRELL ABBOTT				
Drill Start Date:	01/02/1963	**Drill Finish Date:**	01/03/1963	**Plug Date:**	
Log File Date:	01/10/1963	**PCW Rcv Date:**	08/14/1963	**Source:**	Shallow
Pump Type:	TURBIN	**Pipe Discharge Size:**	5	**Estimated Yield:**	185 GPM
Casing Size:	9.63	**Depth Well:**	195 feet	**Depth Water:**	55 feet

Water Bearing Stratifications:	Top	Bottom	Description
	55	170	Other/Unknown

Casing Perforations:	Top	Bottom
	55	190

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

New Mexico Office of the State Engineer

Water Right Summary

get image list

WR File Number: L 05456 **Subbasin:** L **Cross Reference:** -

Primary Purpose: MUN MUNICIPAL - CITY OR COUNTY SUPPLIED WATER

Primary Status: WDP

Total Acres: **Subfile:** - **Header:** -

Total Diversion: 0 **Cause/Case:** -

Owner: CITY OF LOVINGTON

Contact: MERLE KINDEL

Documents on File

	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/ To	Acres	Diversion	Consumptive
get images	501534	APPRO	1965-05-14	WDP	WDR	L 05456	T	0	0	

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Well Tag	Source	Q 64	Q16	Q4	Sec	Tws	Rng	X	Y	Other Location Desc
L 05456				2	2	01	17S	36E	658914	3638095*	

*An (*) after northing value indicates UTM location was derived from PLSS - see Help

Priority Summary

Priority	Status	Acres	Diversion	Pod Number
08/14/1964	WTD	0	0	L 05456

Place of Use

Q 256	Q 64	Q16	Q4	Sec	Tws	Rng	Acres	Diversion	CU	Use	Priority	Status	Other Location Desc
		2	2	01	17S	36E	0	0		MUN	08/14/1964	WDP	WITHIN THE CORPORATE LIMITS OF THE CITY OF LOVINGTON

Source

Acres	Diversion	CU	Use	Priority	Source	Description
0	0		MUN	08/14/1964	GW	

New Mexico Office of the State Engineer
Water Right Summary

get image list

WR File Number: L 12562 **Subbasin:** L **Cross Reference:** -

Primary Purpose: MON MONITORING WELL

Primary Status: PMT PERMIT

Total Acres: **Subfile:** - **Header:** -

Total Diversion: 0 **Cause/Case:** -

Owner: NAVAJO REFINING COMPANY

Contact: STEVE TERRY

Owner: LEA REFINERY

Contact: STEVE TERRY

Documents on File

	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/ To	Acres	Diversion	Consumptive
get images	485041	EXPL	2010-05-19	PMT	LOG	PODS 1-15	T	0	0	

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Well Tag	Source	Q 64	Q16	Q4	Sec	Tws	Rng	X	Y	Other Location Desc
L 12562 POD1		Shallow	2	2	4	36	16S	36E	658908	3639001	WW 18
L 12562 POD10		Shallow	2	2	4	36	16S	36E	659032	3638913	MW 19
L 12562 POD11		Shallow	2	4	2	01	17S	36E	658989	3637831	MW 20
L 12562 POD12		Shallow	3	1	3	31	16S	37E	659166	3638783	MW 21
L 12562 POD13		Shallow	2	4	2	36	16S	36E	658956	3639405	MW 28
L 12562 POD14		Shallow		2	2	36	16S	36E	658677	3639136	MW 17
L 12562 POD15		Shallow	4	1	2	36	16S	36E	658634	3639529	MW 15
L 12562 POD2		Shallow	2	2	3	36	16S	36E	659065	3638963	MW 23
L 12562 POD3		Shallow	3	1	3	31	16S	37E	659316	3638878	MW 22
L 12562 POD4		Shallow	4	4	2	36	16S	36E	658584	3638296	MW 16
L 12562 POD5		Shallow	3	3	1	31	16S	37E	659252	3639117	MW 24
L 12562 POD6		Shallow	4	4	2	36	16S	36E	659001	3639212	WW 26
L 12562 POD7		Shallow	4	4	2	36	16S	36E	658912	3639266	MW 27
L 12562 POD8		Shallow	2	2	4	36	16S	36E	658992	3639097	MW 25
L 12562 POD9		Shallow	1	4	4	25	17S	36E	658980	3630480	MW 29

Source

Acres	Diversion	CU	Use	Priority	Source	Description
0	0		MON		GW	

New Mexico Office of the State Engineer

Water Right Summary

get image list

WR File Number: L 12881 **Subbasin:** L **Cross Reference:** -

Primary Purpose: EXP EXPLORATION

Primary Status: PMT PERMIT

Total Acres: **Subfile:** - **Header:** -

Total Diversion: 0 **Cause/Case:** -

Owner: MATT HUDSON, PM CHEVRON ENVRNMNTL MNGMNT CO.

Contact: JOHN SCHNABLE, PM CONESTOGA-ROLVERS & ASSOC.,INC

Documents on File

	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/ To	Acres	Diversion	Consumptive
get images	488123	EXPL	2011-10-27	PMT	LOG	L 12881 PODS1-4	T	0	0	

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Well Tag	Source	Q 64	Q16	Q4	Sec	Tws	Rng	X	Y	Other Location Desc
L 12881 POD1		Shallow	2	3	2	01	17S	36E	658291	3648926	
L 12881 POD2			4	1	2	01	17S	36E	658503	3637981	
L 12881 POD3			4	1	2	01	17S	36E	658612	3638016	
L 12881 POD4			4	1	2	01	17S	36E	658640	3637921	

New Mexico Office of the State Engineer

Water Right Summary

get image list

WR File Number: L 14207 **Subbasin:** L **Cross Reference:** -

Primary Purpose: MON MONITORING WELL

Primary Status: PMT PERMIT

Total Acres: **Subfile:** - **Header:** -

Total Diversion: 0 **Cause/Case:** -

Owner: CHEVRON MIDCONTINENT LP

Contact: SCOTT FOORD

Documents on File

	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/ To	Acres	Diversion	Consumptive
get images	629010	EXPL	2018-07-20	PMT	APR	L 14207 POD5-7	T	0	0	
get images	629009	EXPL	2018-07-19	PMT	PRC	L 14207 POD8	T	0	0	
get images	628990	EXPL	2018-07-19	PMT	PRC	L 14207 POD4	T	0	0	
get images	593141	EXPL	2016-09-30	PMT	LOG	L-14207 POD1-3	T	0	0	

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Well Tag	Source	Q 64	Q16	Q4	Sec	Tws	Rng	X	Y	Other Location Desc
L 14207 POD1		Shallow	3	3	2	01	17S	36E	658500	3637679	MW-1 LPU-59
L 14207 POD2		Shallow	2	4	1	01	17S	36E	658222	3637712	LPU-60
L 14207 POD3		Shallow	2	3	3	31	16S	37E	606117	3636977	LPU-96
L 14207 POD4	NA		4	4	1	01	17S	36E	658239	3637687	MW-2 (LPU-60)
L 14207 POD5	NA			2	2	01	17S	36E	658596	3638048	MW-14 (WATER PLANT)
L 14207 POD6	NA			1	2	01	17S	36E	658624	3637936	MW-15 (WATER PLANT)
L 14207 POD7	NA			2	2	01	17S	36E	658438	3638022	MW-16 (WATER PLANT)
L 14207 POD8	NA		4	3	2	01	17S	36E	658527	3637655	

New Mexico Office of the State Engineer

Water Right Summary

get image list

WR File Number: L 14263 **Subbasin:** L **Cross Reference:** -

Primary Purpose: MON MONITORING WELL

Primary Status: PMT PERMIT

Total Acres: **Subfile:** - **Header:** -

Total Diversion: 0 **Cause/Case:** -

Owner: CHEVRON MIDCONTINENT LP

Contact: SCOTT FOORD

Documents on File

	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/ To	Acres	Diversion	Consumptive
get images	606341	EXPL	2017-04-25	PMT	LOG	L 14263 POD6-7	T	0	0	
get images	606083	EXPL	2017-04-25	PMT	LOG	L 14263 POD1-5	T	0	0	

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Well Tag	Source	Q 64	Q16	Q4	Sec	Tws	Rng	X	Y	Other Location Desc
L 14263 POD1		Shallow	4	4	4	01	17S	36E	658944	3636867	MW-9
L 14263 POD2		Shallow	4	4	4	01	17S	36E	658944	3636867	MW-10
L 14263 POD3		Shallow	4	4	4	01	17S	36E	658914	3638715	MW-11
L 14263 POD4		Shallow	4	4	4	01	17S	36E	658944	3636867	RW-1
L 14263 POD5			3	2	2	01	17S	36E	658720	3637922	MW-13
L 14263 POD6		Shallow	4	4	4	01	17S	36E	658944	3636867	MW-C-R
L 14263 POD7		Shallow	3	4	4	01	17S	36E	658785	3636874	MW-O-R

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Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 325133103171301

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 325133103171301 17S.37E.06.411331

Lea County, New Mexico
Latitude 32°51'45", Longitude 103°17'25" NAD27
Land-surface elevation 3,806.00 feet above NGVD29
The depth of the well is 100 feet below land surface.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water-level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurem
1961-02-02		D	38.46			2		U		
1966-02-25		D	39.36			2		U		
1971-02-09		D	52.04			2		U		
1976-02-25		D	54.17			2		U		
1981-01-07		D	57.89			2		U		
1986-01-29		D	59.73			2		U		
1991-01-31		D	61.64			2		U		

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Status		The reported water-level measurement represents a static level
Method of measurement	U	Unknown method.
Measuring agency		Not determined
Source of measurement	U	Source is unknown.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: United States | GO

Click to hideNews Bulletins

- Introducing The Next Generation of USGS Water Data for the Nation
- Full News

Groundwater levels for the Nation

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 325141103185001

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 325141103185001 17S.36E.02.244233

Lea County, New Mexico
Latitude 32°51'55", Longitude 103°19'01" NAD27
Land-surface elevation 3,832.00 feet above NGVD29
The depth of the well is 150 feet below land surface.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water-level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurem
1961-03-29		D	43.75			2		U		
1966-02-21		D	45.84			2		U		
1971-02-10		D	49.63			2		U		
1976-02-25		D	52.10			2		U		
1981-01-13		D	58.13			2		U		
1986-01-14		D	62.96			2		U		

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Status		The reported water-level measurement represents a static level
Method of measurement	U	Unknown method.
Measuring agency		Not determined
Source of measurement	U	Source is unknown.
Water-level approval status	A	Approved for publication -- Processing and review completed.

Questions about sites/data?
Feedback on this web site

Click to hideNews Bulletins

- Introducing The Next Generation of USGS Water Data for the Nation
- Full News

Groundwater levels for the Nation

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 325216103184601

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 325216103184601 17S.36E.01.1120

Lea County, New Mexico
Latitude 32°52'13", Longitude 103°18'46" NAD27
Land-surface elevation 3,836 feet above NGVD29
The depth of the well is 232 feet below land surface.
The depth of the hole is 232 feet below land surface.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water-level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurem
1992-05-01		D	83			0		U		

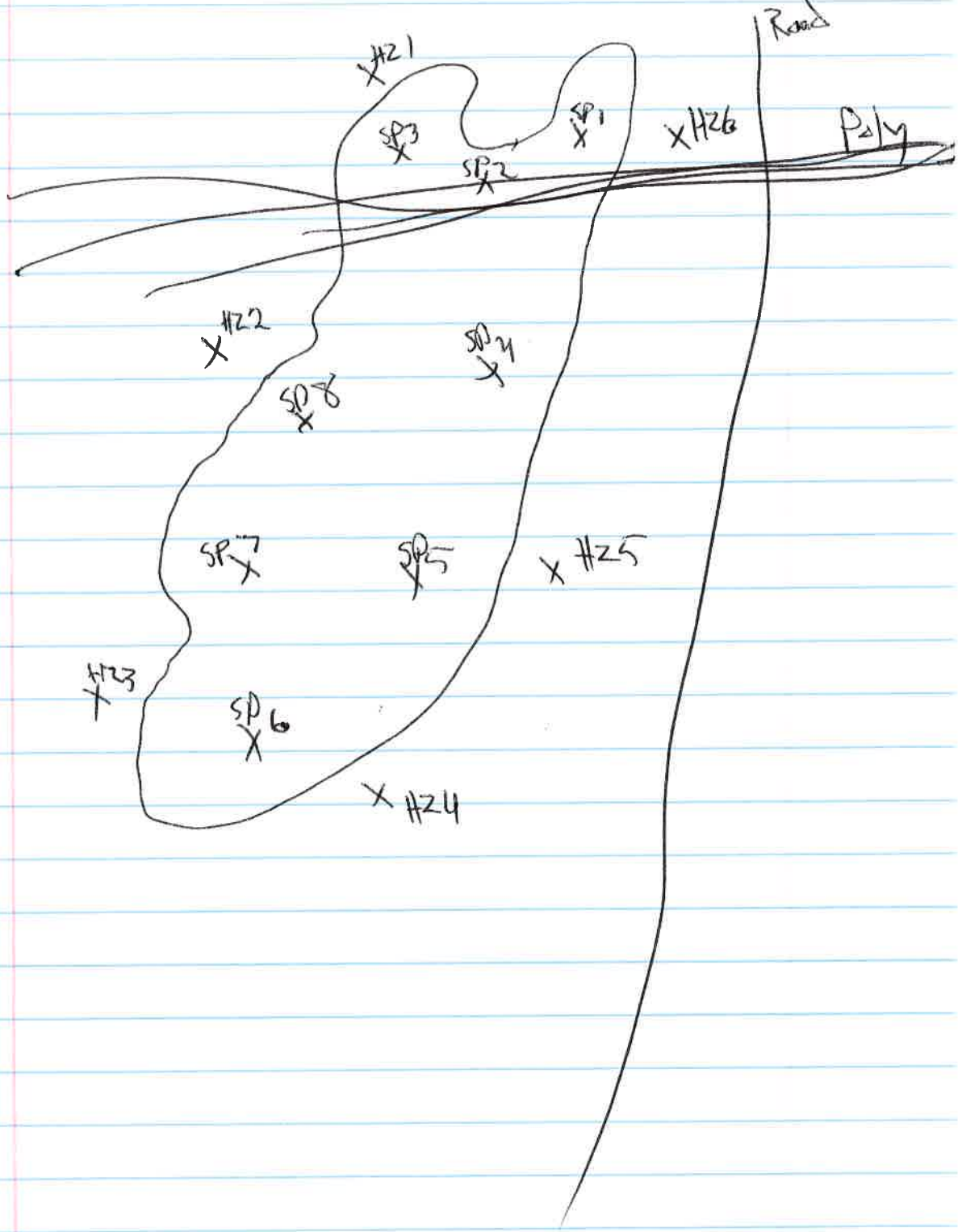
Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level accuracy	0	Water level accuracy to nearest foot
Status		The reported water-level measurement represents a static level
Method of measurement	U	Unknown method.
Measuring agency		Not determined
Source of measurement	U	Source is unknown.
Water-level approval status	A	Approved for publication -- Processing and review completed.

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

Attachment III
Field Data

CS Caylor #3 8/13/20



8-13-20

SP1 Surf –

2'	80x20	1600
4'	148x20	2960
5'	100x20	2000

SP2 surf –

2'	144x20	2880
4'	92x20	1840
5'	92x20	1840

SP3 Surf –

2'	100x20	2000
4'	136x20	2720
5'	124x20	2480

SP4 surf –

2'	96x20	1920
4'	92x20	1840
5'	72x20	1440

SP5 surf –

2'	128x20	2560
4'	96x20	1920
5'	72x20	1440

SP6 Surf –

2'	40x20	800
4'	48x20	960
5'	34x20	680

SP7 Surf –

2'	104x20	2080
4'	44x20	880
5'	60x20	1200

8-13-20

SP8 Surf	—	
2'	128 x20	2560
4'	104 x20	2080
5'	84 x20	1680

8-17-20

H21 Surf	200x20	4000
2'	144 x20	2880
4'	136 x20	2720
5'	156 x20	3120
H22 Surf	40 x20	800
2'	36 x20	720
4'	120 x20	2400
5'	108 x20	2160
H23 Surf	16 x20	320
2'	48 x20	960
4'	20 x20	400
5'	20 x 20	400
H24 Surf	180 x20	3600
2'	20x20	400
4'	20 x20	400
5'	28 x20	560
H25 Surf	200 x20	4000
2'	16 x20	320
4'	36 x20	720
5'	36 x20	720

8-17-20

H26	Surf	32 x20	640
	2'	36 x20	720
	4'	24 x20	480
	5'	20 x20	400

H21b	Surf	16 x20	320	8-17-20
	5'	20 x20	400	
H22b	surf	28 x20	560	
	5'	16x20	320	
H23b	surf	12x20	240	
	5'	24x20	480	
H24b	Surf	12x20	240	
	5'	12x20	240	
H25b	Surf	12x20	240	
	5'	28x20	560	
H26b	Surf	12x20	240	
	5'	20x20	400	

8/31/20

HZ2-C @ surf 20 x 20 = 400
HZ2-C @ 5' 12 x 20 = 240

HZ3-C @ surf 16 x 20 = 320
HZ3-C @ 5' 12 x 20 = 240

HZ4-C @ surf 24 x 20 = 480
HZ4-C @ 5' 12 x 20 = 240

HZ5-C @ surf 20 x 20 = 400
HZ5-C @ 5' 28 x 20 = 560

Attachment IV
Laboratory Analytical Reports

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Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

Work Order No: 1810054

www.xenco.com Page _____ of _____

Project Manager:	Daniel Domingez	Bill to: (if different)	Carmen Pitt
Company Name:	Hungry Horse	Company Name:	Grizzly Operating LLC
Address:	4024 Plains Hwy	Address:	4001 Penbrook St
City, State ZIP:	Lovington NM 88260	City, State ZIP:	Odessa Tx 79762
Phone:	575 441 2504	Email:	pm@hungry-horse.com, cpitt@grizzlyenergyllc.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	CS Caylor #3 flowline	Turn Around	
Project Number:		☑ Routine ☐ Rush	Pres. Code
Project Location		Due Date:	
Sampler's Name:	Eddie Gaytan	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
Received Intact:	(Yes) No	Thermometer ID:	IR-8	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.4	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-2.0	
Total Containers:		Corrected Temperature:	1.6	

ANALYSIS REQUEST — Parameters: Chloride, BTEX, TPH

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Chloride	BTEX	TPH
SP1		8/13/20		Surf			X	X	X
SP1		8/13/20		5'-R			X	X	X
SP2		8/13/20		Surf			X	X	X
SP2		8/13/20		5'-R			X	X	X
SP3		8/13/20		Surf			X	X	X
SP3		8/13/20		5'-R			X	X	X
SP4		8/13/20		Surf			X	X	X
SP4		8/13/20		5'-R			X	X	X
SP5		8/13/20		Surf			X	X	X
SP5		8/13/20		5'-R			X	X	X

Preservative Codes

None: NO — DI Water: H_2O
Cool: Cool — MeOH: Me
HCL: HC — HNO_3: HN
H_2SO_4: H_2 — NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Comments

Total 200.7 / 6010 **200.8 / 6020:** 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **Hg: 1631 / 245.1 / 7470 / 7471**

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 [signature]	Teresa Armendarez	8/13/20	2 Teresa Armendarez	[signature]	8/14
3			4		
5			6		1115

Revised Date 05012020 Rev. 2020.1

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Atlanta, GA (770) 449-8800

Work Order No: W0054

www.xenco.com Page _____ of _____

Project Manager:	Daniel Domingeez	Bill to: (if different)	Carmen Pitt
Company Name:	Hungry Horse	Company Name:	Grizzly Energy
Address:	4024 Plains Hwy	Address:	4001 Penbrook
City, State ZIP:	Lovington NM 88260	City, State ZIP:	Odessa TX 79762
Phone:	575 441 2504	Email:	pm@hungry-horse.com cpitt@grizzlyenergyllc.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	CS Taylor #3 flowline	Turn Around	
Project Number:		☑ Routine ☐ Rush	
Project Location		Due Date:	
Sampler's Name:	Eddie Gaytan	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	2.0
Total Containers:		Corrected Temperature:	1.6

ANALYSIS REQUEST — Pres. Code — Parameters: Chloride, BTEX, TPH

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Chloride	BTEX	TPH
Sp 6		8/13/20		Surf			✓	✓	✓
Sp 6		8/13/20		5'-R			✓	✓	✓
Sp 7		8/13/20		Surf			✓	✓	✓
Sp 7		8/13/20		5-R			✓	✓	✓
Sp 8		8/13/20		Surf			✓	✓	✓
Sp 8		8/13/20		5-R			✓	✓	✓

Preservative Codes

None: NO — DI Water: H_2O
Cool: Cool — MeOH: Me
HCL: HC — HNO_3: HN
H_2SO_4: H_2 — NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 [signature]	Teresa Armendarez	8/13/20	2 Teresa Armendarez	[signature]	8/14
3			4		
5			6		1/15

Revised Date 05012020 Rev. 2020.1

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Atlanta, GA (770) 449-8800

Work Order No: 670344

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Project Manager:	Daniel Dominguez ; Lindsey Nevels	Bill to: (if different)	Carmen Pitt
Company Name:	Hungry Horse LLC	Company Name:	Grizzly Energy LLC
Address:	4024 Plains Hwy	Address:	4001 Penbrook St
City, State ZIP:	Lovington, Nm 88260	City, State ZIP:	Odessa, Tx 79762
Phone:	575 441-2504	Email:	pm@hungry-horse.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	CS Caylor #3 flowline	Turn Around	☒ Routine ☐ Rush
Project Number:		Due Date:	
Project Location		TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Eddie Gaytan		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	D-8
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.4
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	2.3
Total Containers:		Corrected Temperature:	1.9

ANALYSIS REQUEST — Pres. Code / Parameters

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Chloride	TPH	BTEX
HZ1-B		8/17/20		surf			X	X	X
HZ1-B		8/17/20		5'			X	X	X
HZ2-B		8/17/20		surf			X	X	X
HZ2-B		8/17/20		5'			X	X	X
HZ3-B		8/17/20		surf			X	X	X
HZ3-B		8/17/20		5'			X	X	X
HZ4-B		8/17/20		surf			X	X	X
HZ4-B		8/17/20		5'			X	X	X
HZ5-B		8/17/20		surf			X	X	X
HZ5-B		8/17/20		5'			X	X	X

Preservative Codes

None: NO — DI Water: H_2O
Cool: Cool — MeOH: Me
HCL: HC — HNO_3: HN
H_2SO_4: H_2 — NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Comments

Total 200.7 / 6010 **200.8 / 6020:** 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **Hg: 1631 / 245.1 / 7470 / 7471**

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 [signature]	N.R.	8-18-20/2:50	2 N.R.	[signature]	8/19/20
3			4		
5			6		1110

Revised Date 05012020 Rev. 2020.1

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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
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Work Order No: 370344

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Project Manager:	Daniel Dominguez ; Lindsey Nevels	Bill to: (if different)	Carmen Pitt
Company Name:	Hungry Horse LLC	Company Name:	Grizzly Energy LLC
Address:	4024 Plains Hwy	Address:	4001 Penbrook St
City, State ZIP:	Lovington, Nm 88260	City, State ZIP:	Odessa, Tx 79762
Phone:	575 441-2504	Email:	pm@hungry-horse.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	CS Caylen Flowline #3	Turn Around	
Project Number:		☐ Routine ☐ Rush	
Project Location		Due Date:	
Sampler's Name:	Eddie Grayson	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT	Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	Yes No	Thermometer ID:		
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Temperature Reading:		
Total Containers:		Corrected Temperature:		

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Chloride	TPH	BTEX	Sample Comments
HZ6-B		8/17/20		surf			X	X	X	
HZ6-B		8/17/20		5'			X	X	X	

Pres. Code / Parameters

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 [signature]	N R	8-18-2020	2 N R	[signature]	8/19/20
3			4		
5			6		1:10

Revised Date 05012020 Rev. 2020.1

envirotech
Analytical Laboratory

Analytical Report

Report Summary

Client: Grizzly Energy

Samples Received: 9/2/2020

Job Number: 19054-0003

Work Order: P009010

Project Name/Location: CS Caylor

Report Reviewed By: Walter Hinchman, Laboratory Director

Date: 9/8/20

Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.
Statement of Data Authenticity: Envirotech, Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.
Envirotech, Inc, holds the Utah TNI certification NM009792018-1 for the data reported.
Envirotech, Inc, holds the Texas TNI certification T104704557-19-2 for the data reported.

envirotech
Analytical Laboratory

Grizzly Energy	Project Name:	CS Caylor	
4001 Penbrook Suite 201	Project Number:	19054-0003	**Reported:**
Odessa TX, 79762	Project Manager:	Daniel Dominguez	09/08/20 14:23

Sample Summary

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
HZ2C Surf	P009010-01A	Soil	08/31/20	09/02/20	Glass Jar, 4 oz.
HZ2C 5 ft	P009010-02A	Soil	08/31/20	09/02/20	Glass Jar, 4 oz.
HZ3C Surf	P009010-03A	Soil	08/31/20	09/02/20	Glass Jar, 4 oz.
HZ3C 5 ft	P009010-04A	Soil	08/31/20	09/02/20	Glass Jar, 4 oz.
HZ4C Surf	P009010-05A	Soil	08/31/20	09/02/20	Glass Jar, 4 oz.
HZ4C 5 ft	P009010-06A	Soil	08/31/20	09/02/20	Glass Jar, 4 oz.
HZ5C Surf	P009010-07A	Soil	08/31/20	09/02/20	Glass Jar, 4 oz.
HZ5C 5 ft	P009010-08A	Soil	08/31/20	09/02/20	Glass Jar, 4 oz.

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Grizzly Energy	Project Name:	CS Caylor	
4001 Penbrook Suite 201	Project Number:	19054-0003	**Reported:**
Odessa TX, 79762	Project Manager:	Daniel Dominguez	09/08/20 14:23

HZ2C Surf
P009010-01 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2036019
Benzene	ND	0.0250	1	09/02/20	09/02/20		
Toluene	ND	0.0250	1	09/02/20	09/02/20		
Ethylbenzene	ND	0.0250	1	09/02/20	09/02/20		
p,m-Xylene	ND	0.0500	1	09/02/20	09/02/20		
o-Xylene	ND	0.0250	1	09/02/20	09/02/20		
Total Xylenes	ND	0.0250	1	09/02/20	09/02/20		
Surrogate: 4-Bromochlorobenzene-PID		*94.4 %*	*50-150*	*09/02/20*	*09/02/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2036019
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/02/20	09/02/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.9 %*	*50-150*	*09/02/20*	*09/02/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2036044
Diesel Range Organics (C10-C28)	ND	25.0	1	09/04/20	09/04/20		
Oil Range Organics (C28-C40)	ND	50.0	1	09/04/20	09/04/20		
Surrogate: n-Nonane		*108 %*	*50-200*	*09/04/20*	*09/04/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036038
Chloride	**156**	20.0	1	09/04/20	09/04/20		

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Grizzly Energy	Project Name:	CS Caylor	
4001 Penbrook Suite 201	Project Number:	19054-0003	**Reported:**
Odessa TX, 79762	Project Manager:	Daniel Dominguez	09/08/20 14:23

HZ2C 5 ft
P009010-02 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2036019
Benzene	ND	0.0250	1	09/02/20	09/02/20		
Toluene	ND	0.0250	1	09/02/20	09/02/20		
Ethylbenzene	ND	0.0250	1	09/02/20	09/02/20		
p,m-Xylene	ND	0.0500	1	09/02/20	09/02/20		
o-Xylene	ND	0.0250	1	09/02/20	09/02/20		
Total Xylenes	ND	0.0250	1	09/02/20	09/02/20		
Surrogate: 4-Bromochlorobenzene-PID		*99.3 %*	*50-150*	*09/02/20*	*09/02/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2036019
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/02/20	09/02/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.4 %*	*50-150*	*09/02/20*	*09/02/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2036044
Diesel Range Organics (C10-C28)	**263**	25.0	1	09/04/20	09/04/20		
Oil Range Organics (C28-C40)	**396**	50.0	1	09/04/20	09/04/20		
Surrogate: n-Nonane		*126 %*	*50-200*	*09/04/20*	*09/04/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036038
Chloride	ND	20.0	1	09/04/20	09/04/20		

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Grizzly Energy	Project Name:	CS Caylor	
4001 Penbrook Suite 201	Project Number:	19054-0003	**Reported:**
Odessa TX, 79762	Project Manager:	Daniel Dominguez	09/08/20 14:23

HZ3C Surf
P009010-03 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch: 2036019
Benzene	ND	0.0250	1	09/02/20	09/02/20	
Toluene	ND	0.0250	1	09/02/20	09/02/20	
Ethylbenzene	ND	0.0250	1	09/02/20	09/02/20	
p,m-Xylene	ND	0.0500	1	09/02/20	09/02/20	
o-Xylene	ND	0.0250	1	09/02/20	09/02/20	
Total Xylenes	ND	0.0250	1	09/02/20	09/02/20	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*50-150*	*09/02/20*	*09/02/20*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch: 2036019
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/02/20	09/02/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.6 %*	*50-150*	*09/02/20*	*09/02/20*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch: 2036044
Diesel Range Organics (C10-C28)	ND	25.0	1	09/04/20	09/04/20	
Oil Range Organics (C28-C40)	ND	50.0	1	09/04/20	09/04/20	
Surrogate: n-Nonane		*102 %*	*50-200*	*09/04/20*	*09/04/20*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch: 2036038
Chloride	**92.9**	20.0	1	09/04/20	09/04/20	

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Grizzly Energy	Project Name:	CS Caylor	
4001 Penbrook Suite 201	Project Number:	19054-0003	**Reported:**
Odessa TX, 79762	Project Manager:	Daniel Dominguez	09/08/20 14:23

HZ3C 5 ft
P009010-04 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2036019
Benzene	ND	0.0250	1	09/02/20	09/02/20		
Toluene	ND	0.0250	1	09/02/20	09/02/20		
Ethylbenzene	ND	0.0250	1	09/02/20	09/02/20		
p,m-Xylene	ND	0.0500	1	09/02/20	09/02/20		
o-Xylene	ND	0.0250	1	09/02/20	09/02/20		
Total Xylenes	ND	0.0250	1	09/02/20	09/02/20		
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*50-150*	*09/02/20*	*09/02/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2036019
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/02/20	09/02/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.8 %*	*50-150*	*09/02/20*	*09/02/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2036044
Diesel Range Organics (C10-C28)	ND	25.0	1	09/04/20	09/04/20		
Oil Range Organics (C28-C40)	ND	50.0	1	09/04/20	09/04/20		
Surrogate: n-Nonane		*93.2 %*	*50-200*	*09/04/20*	*09/04/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036038
Chloride	ND	20.0	1	09/04/20	09/04/20		

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Grizzly Energy	Project Name:	CS Caylor	
4001 Penbrook Suite 201	Project Number:	19054-0003	**Reported:**
Odessa TX, 79762	Project Manager:	Daniel Dominguez	09/08/20 14:23

HZ4C Surf
P009010-05 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2036019
Benzene	ND	0.0250	1	09/02/20	09/02/20		
Toluene	ND	0.0250	1	09/02/20	09/02/20		
Ethylbenzene	ND	0.0250	1	09/02/20	09/02/20		
p,m-Xylene	ND	0.0500	1	09/02/20	09/02/20		
o-Xylene	ND	0.0250	1	09/02/20	09/02/20		
Total Xylenes	ND	0.0250	1	09/02/20	09/02/20		
Surrogate: 4-Bromochlorobenzene-PID		*99.8 %*	*50-150*	*09/02/20*	*09/02/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2036019
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/02/20	09/02/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.5 %*	*50-150*	*09/02/20*	*09/02/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2036044
Diesel Range Organics (C10-C28)	ND	25.0	1	09/04/20	09/04/20		
Oil Range Organics (C28-C40)	ND	50.0	1	09/04/20	09/04/20		
Surrogate: n-Nonane		*103 %*	*50-200*	*09/04/20*	*09/04/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036038
Chloride	**116**	20.0	1	09/04/20	09/04/20		

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Grizzly Energy	Project Name:	CS Caylor	
4001 Penbrook Suite 201	Project Number:	19054-0003	**Reported:**
Odessa TX, 79762	Project Manager:	Daniel Dominguez	09/08/20 14:23

HZ4C 5 ft
P009010-06 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch: 2036019
Benzene	ND	0.0250	1	09/02/20	09/02/20	
Toluene	ND	0.0250	1	09/02/20	09/02/20	
Ethylbenzene	ND	0.0250	1	09/02/20	09/02/20	
p,m-Xylene	ND	0.0500	1	09/02/20	09/02/20	
o-Xylene	ND	0.0250	1	09/02/20	09/02/20	
Total Xylenes	ND	0.0250	1	09/02/20	09/02/20	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*50-150*	*09/02/20*	*09/02/20*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch: 2036019
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/02/20	09/02/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.5 %*	*50-150*	*09/02/20*	*09/02/20*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch: 2036044
Diesel Range Organics (C10-C28)	ND	25.0	1	09/04/20	09/04/20	
Oil Range Organics (C28-C40)	ND	50.0	1	09/04/20	09/04/20	
Surrogate: n-Nonane		*101 %*	*50-200*	*09/04/20*	*09/04/20*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch: 2036038
Chloride	ND	20.0	1	09/04/20	09/04/20	

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Grizzly Energy	Project Name:	CS Caylor	
4001 Penbrook Suite 201	Project Number:	19054-0003	**Reported:**
Odessa TX, 79762	Project Manager:	Daniel Dominguez	09/08/20 14:23

HZ5C Surf
P009010-07 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch: 2036019
Benzene	ND	0.0250	1	09/02/20	09/02/20	
Toluene	ND	0.0250	1	09/02/20	09/02/20	
Ethylbenzene	ND	0.0250	1	09/02/20	09/02/20	
p,m-Xylene	ND	0.0500	1	09/02/20	09/02/20	
o-Xylene	ND	0.0250	1	09/02/20	09/02/20	
Total Xylenes	ND	0.0250	1	09/02/20	09/02/20	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*50-150*	*09/02/20*	*09/02/20*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch: 2036019
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/02/20	09/02/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.0 %*	*50-150*	*09/02/20*	*09/02/20*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch: 2036044
Diesel Range Organics (C10-C28)	ND	25.0	1	09/04/20	09/04/20	
Oil Range Organics (C28-C40)	ND	50.0	1	09/04/20	09/04/20	
Surrogate: n-Nonane		*105 %*	*50-200*	*09/04/20*	*09/04/20*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch: 2036038
Chloride	**136**	20.0	1	09/04/20	09/04/20	

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Grizzly Energy	Project Name:	CS Caylor	
4001 Penbrook Suite 201	Project Number:	19054-0003	**Reported:**
Odessa TX, 79762	Project Manager:	Daniel Dominguez	09/08/20 14:23

HZ5C 5 ft
P009010-08 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2036019
Benzene	ND	0.0250	1	09/02/20	09/02/20		
Toluene	ND	0.0250	1	09/02/20	09/02/20		
Ethylbenzene	ND	0.0250	1	09/02/20	09/02/20		
p,m-Xylene	ND	0.0500	1	09/02/20	09/02/20		
o-Xylene	ND	0.0250	1	09/02/20	09/02/20		
Total Xylenes	ND	0.0250	1	09/02/20	09/02/20		
Surrogate: 4-Bromochlorobenzene-PID		*99.5 %*	*50-150*	*09/02/20*	*09/02/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2036019
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/02/20	09/02/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.5 %*	*50-150*	*09/02/20*	*09/02/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2036044
Diesel Range Organics (C10-C28)	**157**	25.0	1	09/04/20	09/04/20		
Oil Range Organics (C28-C40)	**222**	50.0	1	09/04/20	09/04/20		
Surrogate: n-Nonane		*126 %*	*50-200*	*09/04/20*	*09/04/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036038
Chloride	ND	20.0	1	09/04/20	09/04/20		

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Grizzly Energy	Project Name:	CS Caylor	
4001 Penbrook Suite 201	Project Number:	19054-0003	**Reported:**
Odessa TX, 79762	Project Manager:	Daniel Dominguez	09/08/20 14:23

Volatile Organics by EPA 8021B - Quality Control

Analyte	Result	Reporting Limit	Spike Level	Source Result	REC	REC Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2036019-BLK1)								Prepared & Analyzed: 09/01/20 1	
Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.89*		*8.00*		*98.7*	*50-150*			
LCS (2036019-BS1)								Prepared & Analyzed: 09/01/20 1	
Benzene	4.70	0.0250	5.00		94.1	70-130			
Toluene	4.85	0.0250	5.00		97.1	70-130			
Ethylbenzene	4.85	0.0250	5.00		96.9	70-130			
p,m-Xylene	9.61	0.0500	10.0		96.1	70-130			
o-Xylene	4.79	0.0250	5.00		95.8	70-130			
Total Xylenes	14.4	0.0250	15.0		96.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.98*		*8.00*		*99.8*	*50-150*			
Matrix Spike (2036019-MS1)					**Source: P009002-01**			Prepared: 09/01/20 1 Analyzed: 09/01/20 2	
Benzene	5.07	0.0250	5.00	ND	101	54-133			
Toluene	5.24	0.0250	5.00	ND	105	61-130			
Ethylbenzene	5.23	0.0250	5.00	ND	105	61-133			
p,m-Xylene	10.4	0.0500	10.0	ND	104	63-131			
o-Xylene	5.18	0.0250	5.00	ND	104	63-131			
Total Xylenes	15.5	0.0250	15.0	ND	104	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*8.02*		*8.00*		*100*	*50-150*			
Matrix Spike Dup (2036019-MSD1)					**Source: P009002-01**			Prepared: 09/01/20 1 Analyzed: 09/01/20 2	
Benzene	4.69	0.0250	5.00	ND	93.7	54-133	7.81	20	
Toluene	4.85	0.0250	5.00	ND	97.0	61-130	7.75	20	
Ethylbenzene	4.86	0.0250	5.00	ND	97.2	61-133	7.35	20	
p,m-Xylene	9.61	0.0500	10.0	ND	96.1	63-131	7.61	20	
o-Xylene	4.80	0.0250	5.00	ND	96.1	63-131	7.49	20	
Total Xylenes	14.4	0.0250	15.0	ND	96.1	63-131	7.57	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.04*		*8.00*		*101*	*50-150*			

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Grizzly Energy	Project Name:	CS Caylor	
4001 Penbrook Suite 201	Project Number:	19054-0003	**Reported:**
Odessa TX, 79762	Project Manager:	Daniel Dominguez	09/08/20 14:23

Nonhalogenated Organics by EPA 8015D - GRO - Quality Control

Analyte	Result	Reporting Limit	Spike Level	Source Result	REC	REC Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2036019-BLK1)								Prepared & Analyzed: 09/01/20 1	
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.26*		*8.00*		*90.7*	*50-150*			
LCS (2036019-BS2)								Prepared & Analyzed: 09/01/20 1	
Gasoline Range Organics (C6-C10)	47.0	20.0	50.0		94.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.35*		*8.00*		*91.9*	*50-150*			
Matrix Spike (2036019-MS2)					**Source: P009002-01**			Prepared: 09/01/20 1 Analyzed: 09/01/20 2	
Gasoline Range Organics (C6-C10)	47.3	20.0	50.0	ND	94.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.42*		*8.00*		*92.7*	*50-150*			
Matrix Spike Dup (2036019-MSD2)					**Source: P009002-01**			Prepared: 09/01/20 1 Analyzed: 09/01/20 2	
Gasoline Range Organics (C6-C10)	46.9	20.0	50.0	ND	93.8	70-130	0.819	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.34*		*8.00*		*91.8*	*50-150*			

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Grizzly Energy	Project Name:	CS Caylor	
4001 Penbrook Suite 201	Project Number:	19054-0003	**Reported:**
Odessa TX, 79762	Project Manager:	Daniel Dominguez	09/08/20 14:23

Nonhalogenated Organics by EPA 8015D - DRO/ORO - Quality Control

Analyte	Result	Reporting Limit	Spike Level	Source Result	REC	REC Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2036044-BLK1)								Prepared & Analyzed: 09/04/20 1	
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C40)	ND	50.0							
Surrogate: n-Nonane	*54.8*		*50.0*		*110*	*50-200*			
LCS (2036044-BS1)								Prepared & Analyzed: 09/04/20 1	
Diesel Range Organics (C10-C28)	483	25.0	500		96.7	38-132			
Surrogate: n-Nonane	*52.7*		*50.0*		*105*	*50-200*			
Matrix Spike (2036044-MS1)				**Source: P009014-01**				Prepared & Analyzed: 09/04/20 1	
Diesel Range Organics (C10-C28)	716	25.0	500	129	117	38-132			
Surrogate: n-Nonane	*65.1*		*50.0*		*130*	*50-200*			
Matrix Spike Dup (2036044-MSD1)				**Source: P009014-01**				Prepared & Analyzed: 09/04/20 1	
Diesel Range Organics (C10-C28)	715	25.0	500	129	117	38-132	0.0622	20	
Surrogate: n-Nonane	*65.9*		*50.0*		*132*	*50-200*			

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Grizzly Energy	Project Name:	CS Caylor	
4001 Penbrook Suite 201	Project Number:	19054-0003	**Reported:**
Odessa TX, 79762	Project Manager:	Daniel Dominguez	09/08/20 14:23

Anions by EPA 300.0/9056A - Quality Control

Analyte	Result	Reporting Limit	Spike Level	Source Result	REC	REC Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2036038-BLK1)									Prepared: 09/04/20 0 Analyzed: 09/04/20 1
Chloride	ND	20.0							
LCS (2036038-BS1)									Prepared: 09/04/20 0 Analyzed: 09/04/20 1
Chloride	247	20.0	250		98.8	90-110			
Matrix Spike (2036038-MS1)					**Source: P009009-01**				Prepared: 09/04/20 0 Analyzed: 09/04/20 1
Chloride	354	100	250	116	95.2	80-120			
Matrix Spike Dup (2036038-MSD1)					**Source: P009009-01**				Prepared: 09/04/20 0 Analyzed: 09/04/20 1
Chloride	322	100	250	116	82.5	80-120	9.42	20	

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

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Analytical Laboratory

Grizzly Energy	Project Name:	CS Caylor	
4001 Penbrook Suite 201	Project Number:	19054-0003	**Reported:**
Odessa TX, 79762	Project Manager:	Daniel Dominguez	09/08/20 14:23

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
**	Methods marked with ** are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information

Chain of Custody

Page 1 of 1

Client: Grizzly
Project: CS Cayler
Project Manager: Daniel Dominguez
Address:
City, State, Zip
Phone:
Email:
Report due by:

Bill To
Attention: Hungry Horse
Address:
City, State, Zip
Phone:
Email:
pm@hungry-horse.com

Lab Use Only: Lab WO# P009010; Job Number 19054-0003

TAT: 1D, 3D

EPA Program: RCRA, CWA, SDWA

State: NM, CO, UT, AZ, TX, OK

Analysis and Method

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC - NM	BGDOC - TX			Remarks
	8/31	Soil	1	HZ2c	1													Surf
				HZ2c	2													5 ft
				HZ3c	3													Surf
				HZ3c	4													5 ft
				HZ4c	5													Surf
				HZ4c	6													5 ft
				HZ5c	7													Surf
				HZ5c	8													5 ft

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	8/31/20	2:20	[signature]	8-31-2020	1420
[signature]	8-31-2020	1622	Maria Lopez	9/2/20	10:57

Lab Use Only
Received on ice: (Y)/ N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech Analytical Laboratory
5796 US Highway 64, Farmington, NM 87401
24 Hour Emergency Response Phone (800) 362-1879
Ph (505) 632-1881 Fx (505) 632-1865
envirotech-inc.com
labadmin@envirotech-inc.com

Project Information

Chain of Custody

Client: Grizzly
Project: CS Caylor
Project Manager: Daniel Dominguez
Address:
City, State, Zip
Phone:
Email:
Report due by:

Bill To
Attention: Hungry Horse
Address:
City, State, Zip
Phone:
Email:
pm@hungry-horse.com

Lab Use Only: Lab WO# P009010; Job Number 19054-0003

TAT: 1D, 3D

EPA Program: RCRA, CWA, SDWA

State: NM, CO, UT, AZ, TX, OK

Analysis and Method

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC - NM	BGDOC - TX			Remarks
	8/31	Soil	1	HZ2c	1									X				Surf
				HZ2c	2													5 ft
				HZ3c	3													Surf
				HZ3c	4													5 ft
				HZ4c	5													Surf
				HZ4c	6													5 ft
				HZ5c	7													Surf
				HZ5c	8													5 ft
														RL 9/2/20				

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	8/31/20	2:20	[signature]	8-31-2020	1420
[signature]	8-31-2020	1622	Rosa Lopez	9/2/20	10:57

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Analytical Laboratory

Analytical Report

Report Summary

Client: Grizzly Energy

Samples Received: 9/2/2020

Job Number: 19054-0003

Work Order: P009011

Project Name/Location: CS Caylor

Report Reviewed By: Walter Hinchman, Laboratory Director

Date: 9/8/20

Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.
Statement of Data Authenticity: Envirotech, Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.
Envirotech, Inc, holds the Utah TNI certification NM009792018-1 for the data reported.
Envirotech, Inc, holds the Texas TNI certification T104704557-19-2 for the data reported.

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Analytical Laboratory

Grizzly Energy	Project Name:	CS Caylor	
4001 Penbrook Suite 201	Project Number:	19054-0003	**Reported:**
Odessa TX, 79762	Project Manager:	Daniel Dominguez	09/08/20 14:20

Sample Summary

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP2 5.5 ft	P009011-01A	Soil	08/31/20	09/02/20	Glass Jar, 4 oz.
SP3 5.5 ft	P009011-02A	Soil	08/31/20	09/02/20	Glass Jar, 4 oz.
SP4 5.5 ft	P009011-03A	Soil	08/31/20	09/02/20	Glass Jar, 4 oz.
SP8 5.5 ft	P009011-04A	Soil	08/31/20	09/02/20	Glass Jar, 4 oz.

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Grizzly Energy	Project Name:	CS Caylor	
4001 Penbrook Suite 201	Project Number:	19054-0003	**Reported:**
Odessa TX, 79762	Project Manager:	Daniel Dominguez	09/08/20 14:20

SP2 5.5 ft
P009011-01 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2036019
Benzene	ND	0.0250	1	09/02/20	09/02/20		
Toluene	ND	0.0250	1	09/02/20	09/02/20		
Ethylbenzene	ND	0.0250	1	09/02/20	09/02/20		
p,m-Xylene	ND	0.0500	1	09/02/20	09/02/20		
o-Xylene	ND	0.0250	1	09/02/20	09/02/20		
Total Xylenes	ND	0.0250	1	09/02/20	09/02/20		
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*50-150*	*09/02/20*	*09/02/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2036019
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/02/20	09/02/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.1 %*	*50-150*	*09/02/20*	*09/02/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2036044
Diesel Range Organics (C10-C28)	ND	25.0	1	09/04/20	09/05/20		
Oil Range Organics (C28-C40)	ND	50.0	1	09/04/20	09/05/20		
Surrogate: n-Nonane		*108 %*	*50-200*	*09/04/20*	*09/05/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036038
Chloride	**110**	20.0	1	09/04/20	09/04/20		

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Grizzly Energy	Project Name:	CS Caylor	
4001 Penbrook Suite 201	Project Number:	19054-0003	**Reported:**
Odessa TX, 79762	Project Manager:	Daniel Dominguez	09/08/20 14:20

SP3 5.5 ft
P009011-02 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch: 2036019
Benzene	ND	0.0250	1	09/02/20	09/02/20	
Toluene	ND	0.0250	1	09/02/20	09/02/20	
Ethylbenzene	ND	0.0250	1	09/02/20	09/02/20	
p,m-Xylene	ND	0.0500	1	09/02/20	09/02/20	
o-Xylene	ND	0.0250	1	09/02/20	09/02/20	
Total Xylenes	ND	0.0250	1	09/02/20	09/02/20	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*50-150*	*09/02/20*	*09/02/20*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch: 2036019
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/02/20	09/02/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.4 %*	*50-150*	*09/02/20*	*09/02/20*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch: 2036044
Diesel Range Organics (C10-C28)	ND	25.0	1	09/04/20	09/05/20	
Oil Range Organics (C28-C40)	ND	50.0	1	09/04/20	09/05/20	
Surrogate: n-Nonane		*105 %*	*50-200*	*09/04/20*	*09/05/20*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch: 2036038
Chloride	**87.0**	20.0	1	09/04/20	09/04/20	

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Grizzly Energy	Project Name:	CS Caylor	
4001 Penbrook Suite 201	Project Number:	19054-0003	**Reported:**
Odessa TX, 79762	Project Manager:	Daniel Dominguez	09/08/20 14:20

SP4 5.5 ft
P009011-03 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2036019
Benzene	ND	0.0250	1	09/02/20	09/02/20		
Toluene	ND	0.0250	1	09/02/20	09/02/20		
Ethylbenzene	ND	0.0250	1	09/02/20	09/02/20		
p,m-Xylene	ND	0.0500	1	09/02/20	09/02/20		
o-Xylene	ND	0.0250	1	09/02/20	09/02/20		
Total Xylenes	ND	0.0250	1	09/02/20	09/02/20		
Surrogate: 4-Bromochlorobenzene-PID		*99.6 %*	*50-150*	*09/02/20*	*09/02/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2036019
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/02/20	09/02/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.4 %*	*50-150*	*09/02/20*	*09/02/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2036044
Diesel Range Organics (C10-C28)	ND	25.0	1	09/04/20	09/05/20		
Oil Range Organics (C28-C40)	ND	50.0	1	09/04/20	09/05/20		
Surrogate: n-Nonane		*106 %*	*50-200*	*09/04/20*	*09/05/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036038
Chloride	**102**	20.0	1	09/04/20	09/04/20		

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Grizzly Energy	Project Name:	CS Caylor	
4001 Penbrook Suite 201	Project Number:	19054-0003	**Reported:**
Odessa TX, 79762	Project Manager:	Daniel Dominguez	09/08/20 14:20

SP8 5.5 ft
P009011-04 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2036019
Benzene	ND	0.0250	1	09/02/20	09/02/20		
Toluene	ND	0.0250	1	09/02/20	09/02/20		
Ethylbenzene	ND	0.0250	1	09/02/20	09/02/20		
p,m-Xylene	ND	0.0500	1	09/02/20	09/02/20		
o-Xylene	ND	0.0250	1	09/02/20	09/02/20		
Total Xylenes	ND	0.0250	1	09/02/20	09/02/20		
Surrogate: 4-Bromochlorobenzene-PID		*99.0 %*	*50-150*	*09/02/20*	*09/02/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2036019
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/02/20	09/02/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.1 %*	*50-150*	*09/02/20*	*09/02/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2036044
Diesel Range Organics (C10-C28)	ND	25.0	1	09/04/20	09/05/20		
Oil Range Organics (C28-C40)	ND	50.0	1	09/04/20	09/05/20		
Surrogate: n-Nonane		*105 %*	*50-200*	*09/04/20*	*09/05/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036038
Chloride	**92.1**	20.0	1	09/04/20	09/04/20		

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Grizzly Energy	Project Name:	CS Caylor	
4001 Penbrook Suite 201	Project Number:	19054-0003	**Reported:**
Odessa TX, 79762	Project Manager:	Daniel Dominguez	09/08/20 14:20

Volatile Organics by EPA 8021B - Quality Control

Analyte	Result	Reporting Limit	Spike Level	Source Result	REC	REC Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2036019-BLK1)								Prepared & Analyzed: 09/01/20 1	
Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.89*		*8.00*		*98.7*	*50-150*			
LCS (2036019-BS1)								Prepared & Analyzed: 09/01/20 1	
Benzene	4.70	0.0250	5.00		94.1	70-130			
Toluene	4.85	0.0250	5.00		97.1	70-130			
Ethylbenzene	4.85	0.0250	5.00		96.9	70-130			
p,m-Xylene	9.61	0.0500	10.0		96.1	70-130			
o-Xylene	4.79	0.0250	5.00		95.8	70-130			
Total Xylenes	14.4	0.0250	15.0		96.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.98*		*8.00*		*99.8*	*50-150*			
Matrix Spike (2036019-MS1)					**Source: P009002-01**			Prepared: 09/01/20 1 Analyzed: 09/01/20 2	
Benzene	5.07	0.0250	5.00	ND	101	54-133			
Toluene	5.24	0.0250	5.00	ND	105	61-130			
Ethylbenzene	5.23	0.0250	5.00	ND	105	61-133			
p,m-Xylene	10.4	0.0500	10.0	ND	104	63-131			
o-Xylene	5.18	0.0250	5.00	ND	104	63-131			
Total Xylenes	15.5	0.0250	15.0	ND	104	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*8.02*		*8.00*		*100*	*50-150*			
Matrix Spike Dup (2036019-MSD1)					**Source: P009002-01**			Prepared: 09/01/20 1 Analyzed: 09/01/20 2	
Benzene	4.69	0.0250	5.00	ND	93.7	54-133	7.81	20	
Toluene	4.85	0.0250	5.00	ND	97.0	61-130	7.75	20	
Ethylbenzene	4.86	0.0250	5.00	ND	97.2	61-133	7.35	20	
p,m-Xylene	9.61	0.0500	10.0	ND	96.1	63-131	7.61	20	
o-Xylene	4.80	0.0250	5.00	ND	96.1	63-131	7.49	20	
Total Xylenes	14.4	0.0250	15.0	ND	96.1	63-131	7.57	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.04*		*8.00*		*101*	*50-150*			

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Grizzly Energy	Project Name:	CS Caylor	
4001 Penbrook Suite 201	Project Number:	19054-0003	**Reported:**
Odessa TX, 79762	Project Manager:	Daniel Dominguez	09/08/20 14:20

Nonhalogenated Organics by EPA 8015D - GRO - Quality Control

Analyte	Result	Reporting Limit	Spike Level	Source Result	REC	REC Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2036019-BLK1)								Prepared & Analyzed: 09/01/20 1	
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.26*		*8.00*		*90.7*	*50-150*			
LCS (2036019-BS2)								Prepared & Analyzed: 09/01/20 1	
Gasoline Range Organics (C6-C10)	47.0	20.0	50.0		94.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.35*		*8.00*		*91.9*	*50-150*			
Matrix Spike (2036019-MS2)					**Source: P009002-01**			Prepared: 09/01/20 1 Analyzed: 09/01/20 2	
Gasoline Range Organics (C6-C10)	47.3	20.0	50.0	ND	94.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.42*		*8.00*		*92.7*	*50-150*			
Matrix Spike Dup (2036019-MSD2)					**Source: P009002-01**			Prepared: 09/01/20 1 Analyzed: 09/01/20 2	
Gasoline Range Organics (C6-C10)	46.9	20.0	50.0	ND	93.8	70-130	0.819	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.34*		*8.00*		*91.8*	*50-150*			

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Analytical Laboratory

Grizzly Energy	Project Name:	CS Caylor	
4001 Penbrook Suite 201	Project Number:	19054-0003	**Reported:**
Odessa TX, 79762	Project Manager:	Daniel Dominguez	09/08/20 14:20

Nonhalogenated Organics by EPA 8015D - DRO/ORO - Quality Control

Analyte	Result	Reporting Limit	Spike Level	Source Result	REC	REC Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2036044-BLK1)								Prepared & Analyzed: 09/04/20 1	
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C40)	ND	50.0							
Surrogate: n-Nonane	*54.8*		*50.0*		*110*	*50-200*			
LCS (2036044-BS1)								Prepared & Analyzed: 09/04/20 1	
Diesel Range Organics (C10-C28)	483	25.0	500		96.7	38-132			
Surrogate: n-Nonane	*52.7*		*50.0*		*105*	*50-200*			
Matrix Spike (2036044-MS1)					**Source: P009014-01**			Prepared & Analyzed: 09/04/20 1	
Diesel Range Organics (C10-C28)	716	25.0	500	129	117	38-132			
Surrogate: n-Nonane	*65.1*		*50.0*		*130*	*50-200*			
Matrix Spike Dup (2036044-MSD1)					**Source: P009014-01**			Prepared & Analyzed: 09/04/20 1	
Diesel Range Organics (C10-C28)	715	25.0	500	129	117	38-132	0.0622	20	
Surrogate: n-Nonane	*65.9*		*50.0*		*132*	*50-200*			

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Analytical Laboratory

Grizzly Energy	Project Name:	CS Caylor	
4001 Penbrook Suite 201	Project Number:	19054-0003	**Reported:**
Odessa TX, 79762	Project Manager:	Daniel Dominguez	09/08/20 14:20

Anions by EPA 300.0/9056A - Quality Control

Analyte	Result	Reporting Limit	Spike Level	Source Result	REC	REC Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2036038-BLK1)									Prepared: 09/04/20 0 Analyzed: 09/04/20 1
Chloride	ND	20.0							
LCS (2036038-BS1)									Prepared: 09/04/20 0 Analyzed: 09/04/20 1
Chloride	247	20.0	250		98.8	90-110			
Matrix Spike (2036038-MS1)					**Source: P009009-01**				Prepared: 09/04/20 0 Analyzed: 09/04/20 1
Chloride	354	100	250	116	95.2	80-120			
Matrix Spike Dup (2036038-MSD1)					**Source: P009009-01**				Prepared: 09/04/20 0 Analyzed: 09/04/20 1
Chloride	322	100	250	116	82.5	80-120	9.42	20	

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

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Analytical Laboratory

Grizzly Energy	Project Name:	CS Caylor	
4001 Penbrook Suite 201	Project Number:	19054-0003	**Reported:**
Odessa TX, 79762	Project Manager:	Daniel Dominguez	09/08/20 14:20

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
**	Methods marked with ** are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information

Chain of Custody

Page 1 of 1

Client: Grizzly
Project: RS Taylor
Project Manager: Daniel Dominguez
Address:
City, State, Zip
Phone:
Email:
Report due by:

Bill To
Attention: Hungry Horse
Address:
City, State, Zip
Phone:
Email: pm@hungry-horse.com

Lab Use Only: Lab WO# P009011; Job Number 19050003

TAT: 1D, 3D

EPA Program: RCRA, CWA, SDWA

State: NM, CO, UT, AZ, TX, OK

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC - NM	BGDOC - TX			Remarks
	8/31	Soil	1	SP2	1													5.5 ft
	8/31	Soil	1	SP3	2													5.5 ft
	8/31	Soil	1	SP4	3													5.5 ft
	8/31	Soil	1	SP8	4													5.5 ft

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	8/31/20	2:20	[signature]	8.31.2020	1420
[signature]	8.31.2020	1622	[signature]	9/2/20	10:57

Lab Use Only
Received on ice: Y / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech Analytical Laboratory
5796 US Highway 64, Farmington, NM 87401
24 Hour Emergency Response Phone (800) 362-1879
Ph (505) 632-1881 Fx (505) 632-1865
envirotech-inc.com
labadmin@envirotech-inc.com

Project Information

Chain of Custody

Page 1 of 1

Client: Grizzly
Project: CS Caylor
Project Manager: Daniel Dominguez
Address:
City, State, Zip
Phone:
Email:
Report due by:

Bill To
Attention: Hungry Horse
Address:
City, State, Zip
Phone:
Email:
pm@hungry-horse.com

Lab Use Only: Lab WO# PD09011; Job Number 19050003

TAT: 1D, 3D

EPA Program: RCRA, CWA, SDWA

State: NM, CO, UT, AZ, TX, OK

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC - NM	BGDOC - TX			Remarks
	8/31	Soil	1	SP2	1									X				5.5 ft
	8/31	Soil	1	SP3	2													5.5 ft
	8/31	Soil	1	SP4	3													5.5 ft
	8/31	Soil	1	SP8	4													5.5 ft
														RL 9/2/20				

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	8/31/20	2:20	[signature]	8-31-2020	1420
[signature]	8-31-2020	1622	[signature]	9/2/20	10:57

Lab Use Only
Received on ice: (Y) N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Chain of Custody

XENCO LABORATORIES

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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

Work Order No: 6716067

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Project Manager:	Lindsey Nevels	Bill to: (if different)	
Company Name:	Hungry-Horse	Company Name:	
Address:	P.O Box 1058	Address:	
City, State ZIP:	Hobbs, NM 88241	City, State ZIP:	
Phone:	432 241-2480	Email:	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	CS Taylor	Turn Around	
Project Number:	Grizzly Energy	☒ Routine ☐ Rush	
Project Location		Due Date:	
Sampler's Name:	Ashton Rich	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID:	IR8
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	3.6
Total Containers:		Corrected Temperature:	3.1

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Chloride	TPH	BTEX
SP8		10/22/20		5.5'			X	X	X
H22D		10/22/20		Surf			X	X	X
H22D		10/22/20		5'			X	X	X
H2.5D		10/22/20		Surf			X	X	X
H2.5D Surf		10/22/20		5'			X	X	X

Pres. Code / Parameters

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Lindsey Nevels	EC	10-23-20 1:00	2 [illegible]	[illegible]	10/26 945
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

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Chain of Custody

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Atlanta, GA (770) 449-8800

Work Order No: 676428

www.xenco.com Page 1 of 5

Project Manager:	Lindsey Nevels	Bill to: (if different)	
Company Name:	Hungry Horse	Company Name:	
Address:	PO Box 1058	Address:	
City, State ZIP:	Hobbs ~~NM~~ NM 88241	City, State ZIP:	
Phone:		Email:	pm@hungry-horse.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Grizzly	Turn Around	
Project Number:		☒ Routine ☐ Rush	
Project Location	CS Taylor fl. 3	Due Date:	
Sampler's Name:		TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
Received Intact:	(Yes) No	Thermometer ID:	IR8	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	0.5	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	1.2	
Total Containers:		Corrected Temperature:	1.7	

ANALYSIS REQUEST — Pres. Code / Parameters: Chloride, BTEX, TPH

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont
BH1		10/28/2020				
BH2						
BH3						
BH4						
BH5						
BH6						
BH7						
BH8						
BH9						
BH10						

Preservative Codes

None: NO — DI Water: H_2O
Cool: Cool — MeOH: Me
HCL: HC — HNO_3: HN
H_2SO_4: H_2 — NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010:** 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **Hg: 1631 / 245.1 / 7470 / 7471**

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Ashton Pirch		Oct 29 2020 2:38	2		10/30 1134
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Chain of Custody

XENCO LABORATORIES

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

Work Order No: 6764428

www.xenco.com Page 2 of 5

Project Manager:	Lindsay Nevels	Bill to: (if different)	
Company Name:	Hungry Horse	Company Name:	
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:		Email:	pm@hungry-horse.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Grizzly	Turn Around	
Project Number:		☒ Routine ☐ Rush	
Project Location	CS Caylor	Due Date:	
Sampler's Name:	Ashton Rich	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	IR8
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	0.5
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	1.2
Total Containers:		Corrected Temperature:	1.7

ANALYSIS REQUEST

Pres. Code / Parameters: Chloride, BTEX, TPH

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Chloride	BTEX	TPH
BH 11		10/28/20							
BH 12									
BH 13									
BH 14									
BH 15									
BH 16									
BH 17									
BH 18									
BH 19									
BH 20									

Preservative Codes

None: NO — DI Water: H_2O
Cool: Cool — MeOH: Me
HCL: HC — HNO_3: HN
H_2SO_4: H_2 — NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Ashton Rich		Oct 29, 2020 2:58			10/30
3			4		1134
5			6		

Revised Date 05012020 Rev. 2020.1

Chain of Custody

XENCO LABORATORIES

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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

Work Order No: 6764728

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Project Manager:	Hudson Neves	Bill to: (if different)	
Company Name:	Hunger-horse	Company Name:	
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:		Email:	pm@hunger-horse.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Grizzly	Turn Around	
Project Number:		☒ Routine ☐ Rush	
Project Location	CS Caylor	Due Date:	
Sampler's Name:	Ashton Rich	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT	Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No		Thermometer ID:	128
Cooler Custody Seals:	Yes No (N/A)		Correction Factor:	0.5
Sample Custody Seals:	Yes No (N/A)		Temperature Reading:	1.2
Total Containers:			Corrected Temperature:	1.7

ANALYSIS REQUEST

Pres. Code / Parameters: Chloride, BTEX, TPH

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Sample Comments
BH 21							
BH 22							
BH 23							
BH 24							
BH 25							
BH 26							
BH 27							
BH 28							
BH 29							
BH 30							

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Ashton Rich		Oct 29, 2020 2:38	2		10/30
3			4		1134
5			6		

Revised Date 05012020 Rev. 2020.1

Chain of Custody

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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
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Atlanta, GA (770) 449-8800

Work Order No: 6760428

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Project Manager:	Kindsey Nieves	Bill to: (if different)	
Company Name:	Hungry Horse	Company Name:	
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:		Email:	lms@hungry-horse.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Grizzly	Turn Around	
Project Number:		☑ Routine ☐ Rush	
Project Location	CS Caylor	Due Date:	
Sampler's Name:	Ashton Rich	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT	Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No		Thermometer ID:	IR8
Cooler Custody Seals:	Yes No (N/A)		Correction Factor:	0.5
Sample Custody Seals:	Yes No (N/A)		Temperature Reading:	1.2
Total Containers:			Corrected Temperature:	1.7

ANALYSIS REQUEST

Pres. Code / Parameters: Chloride; BTEX; TPH

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Chloride	BTEX	TPH	Sample Comments
BH 31		10/28/20					X	X	X	
BH 32							X	X	X	
BH 33							X	X	X	
BH 34							X	X	X	
BH 35							X	X	X	
BH 36							X	X	X	
BH 37							X	X	X	
BH 38							X	X	X	
BH 39							X	X	X	
BH 40							X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010:** 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **Hg: 1631 / 245.1 / 7470 / 7471**

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Ashton Rich		Oct 29, 2020 2:38	2		10/30
3			4		1134
5			6		

Revised Date 05012020 Rev. 2020.1

Chain of Custody

XENCO LABORATORIES

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

Work Order No: 676428

www.xenco.com Page 5 of 5

Project Manager:	Lindsey Newell	Bill to: (if different)	
Company Name:	Hungry Horse	Company Name:	
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:		Email:	pm@hungry-horse.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Grizzly	Turn Around	
Project Number:		☒ Routine ☐ Rush	
Project Location	CS Caylor	Due Date:	
Sampler's Name:	Ashton Rich	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID:	TR8
Cooler Custody Seals:	Yes No N/A	Correction Factor:	0.5
Sample Custody Seals:	Yes No N/A	Temperature Reading:	1.2
Total Containers:		Corrected Temperature:	1.7

ANALYSIS REQUEST

Pres. Code / Parameters: chloride, Bkgr, TPH

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont
BH 41		10/28/20				
BH 42						
BH 43						

Preservative Codes

None: NO — DI Water: H_2O
Cool: Cool — MeOH: Me
HCL: HC — HNO_3: HN
H_2SO_4: H_2 — NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Ashton Rich		10-29-20 3:38	2		10/30
3			4		1134
5			6		

Revised Date 05012020 Rev 2020.1

ORIGIN ID:HOBA
*
MAIL SERVICES ETC
4008 N GRIMES

HOBBS, NM 88240
UNITED STATES US

29OCT20
ACTWGT: 0.50 LB MAN
CAD: 0103352/CAFE3313
DIMS: 29x15x15 IN

BILL RECIPIENT

TO XENCO HOLD FOR PICKUP
FEDEX EXPRESS SHIP CENTER
FEDEX EXPRESS SHIP CENTER
3600 COUNTY ROAD 1276 SOUTH

MIDLAND TX 79711
(432) 704-5440 REF:
INV:
PO: DEPT:

565C2/A27E/05A2

FedEx Express

J191219082001uv

FRI - 30 OCT HOLD
PRIORITY OVERNIGHT
HLD

TRK# 0201 9061 5135 2274

41 MAFA

MAFA
TX-US LBB

Part # 156148-434 RRT EXP 01/21

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Chain of Custody

XENCO LABORATORIES

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

Work Order No: 676479

www.xenco.com Page 1 of 2

Project Manager:	Lindsay Flewels	Bill to: (if different)	
Company Name:	Hungry Horse	Company Name:	
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:	Email:	pm@hungry-horse.com	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Grizzly	Turn Around	
Project Number:		☑ Routine ☐ Rush	
Project Location	CS Taylor	Due Date:	
Sampler's Name:	Ashton Rich	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	IR8
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	0.5
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	1.2
Total Containers:		Corrected Temperature:	1.7

ANALYSIS REQUEST

Pres. Code / Parameters: Chloride, TPH, BTEX

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Chloride	TPH	BTEX	Sample Comments
SW1		10/28/20					X	X	X	
SW2		10/28/20					X	X	X	
SW3		10/28/20					X	X	X	
SW4		10/28/20					X	X	X	
SW5		10/28/20					X	X	X	
SW6		10/28/20					X	X	X	
SW7		10/28/20					X	X	X	
SW8		10/28/20					X	X	X	
SW9		10/28/20					X	X	X	
SW10		10/28/20					X	X	X	

Preservative Codes

None: NO — DI Water: H_2O
Cool: Cool — MeOH: Me
HCL: HC — HNO_3: HN
H_2SO_4: H_2 — NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Ashton Rich		10-29-20 2:38	2		10/30
3			4		1134
5			6		

Revised Date 05012020 Rev. 2020.1

Chain of Custody

XENCO LABORATORIES

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

Work Order No: 6716429

www.xenco.com Page 1 of 2

Project Manager:	Chuckey Nanes	Bill to: (if different)	
Company Name:	Hungry Horse	Company Name:	
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:	Email:	pms hungry-horse.com	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Grizzly	Turn Around	
Project Number:		☑ Routine ☐ Rush	Pres. Code
Project Location	CO Taylor	Due Date:	
Sampler's Name:	Ashton Rich	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT	Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	IR8	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:		
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	1.2	
Total Containers:		Corrected Temperature:	1.7	

Preservative Codes

None: NO — DI Water: H_2O
Cool: Cool — MeOH: Me
HCL: HC — HNO_3: HN
H_2SO_4: H_2 — NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Sample Comments
SW11		10/28/20					
SW12		10/28/20					

Parameters: 60 Chloride; 60 TDS; 110 BTEX

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Ashton Rich		10-30-20 2:38	2		10/30 1134
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

ORIGIN ID:HOBA

*
MAIL SERVICES ETC
4008 N GRIMES

HOBBS, NM 88240
UNITED STATES US

29OCT20
ACTWGT: 0.50 LB MAN
CAD: 0103352/CAFE3313
DIMS: 29x15x15 IN

BILL RECIPIENT

TO XENCO HOLD FOR PICKUP
FEDEX EXPRESS SHIP CENTER
FEDEX EXPRESS SHIP CENTER
3600 COUNTY ROAD 1276 SOUTH

MIDLAND TX 79711

(432) 704-5440 REF:
INV:
PO: DEPT:

565C2/A27E/05A2

FedEx Express

J191219082001uv

FRI - 30 OCT HOLD
PRIORITY OVERNIGHT

TRK# 0201 9061 5135 2274

HLD

41 MAFA

MAFA
TX-US LBB

Part # 155148-434 RIT EXP 01/21 4

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Chain of Custody

XENCO LABORATORIES

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

Work Order No: 677212

www.xenco.com Page _____ of _____

Project Manager:	Lindsey Nevels	Bill to: (if different)	
Company Name:	Hungry Horse	Company Name:	
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:		Email:	pm@hungry-horse.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	CS Caylor	Turn Around	
Project Number:		☐ Routine ☒ Rush	
Project Location	Grizzly	Due Date: ~~24 H~~	
Sampler's Name:	Ashton Rich	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

(Same day)

SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No		Thermometer ID:	2-8
Cooler Custody Seals:	Yes No N/A		Correction Factor:	
Sample Custody Seals:	Yes No N/A		Temperature Reading:	3.1
Total Containers:			Corrected Temperature:	

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Chloride	TPH	BTEX
SW1 B		11/9/20					X	X	X
SW2 B		11/9/20					X	X	X
SW3 B		11/9/20					X	X	X
SW4 B		11/9/20					X	X	X

Pres. Code / Parameters

Preservative Codes

None: NO — DI Water: H_2O
Cool: Cool — MeOH: Me
HCL: HC — HNO_3: HN
H_2SO_4: H_2 — NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Lindsey Nevels	[signature]	11.9.20 11:00	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Attachment V
NMOCD Form C-141 Remediation and Closure Pages

State of New Mexico
Oil Conservation Division

Incident ID	nRM2022558133
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	51'-100' (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☒ Yes ☐ No

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

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

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

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

State of New Mexico
Oil Conservation Division

Incident ID	nRM2022558133
District RP	
Facility ID	
Application ID	

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

Printed Name: Carmen E Pitt Title: Senior EHS Specialist

Signature: Carmen E Pitt Date: 11/11/2020

email: cpitt@grizzlyenergyllc.com Telephone: 432-248-8145

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	nRM2022558133
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

☐ Extents of contamination must be fully delineated.

☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: Carmen E Pitt Title: Senior EHS Specialist

Signature: Carmen E Pitt Date: 11/11/2020

email: cpitt@grizzlyenergyllc.com Telephone: 432-248-8145

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	nRM2022558133
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: ***Each of the following items must be included in the closure report.***

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Carmen E Pitt Title: Senior EHS Specialist

Signature: Carmen E Pitt Date: 11/11/2020

email: cpitt@grizzlyenergyllc.com Telephone: 432-248-8145

OCD Only

Received by: Chad Hensley Date: 02/19/2021

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Chad Hensley Date: 02/19/2021

Printed Name: Chad Hensley Title: Environmental Specialist Advanced

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

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

CONDITIONS

Action 11163

CONDITIONS OF APPROVAL

Operator:	OGRID:	Action Number:	Action Type:
GRIZZLY OPERATING, LLC 5847 San Felipe, Suite 3000 Houston, TX77057	258350	11163	C-141

OCD Reviewer	Condition
chensley	None