



Remediation Summary and Closure Request

Great Western Drilling Co.

South Carter SA Unit #303

Lea County, New Mexico

Unit Letter "D", Section 8, Township 18 South, Range 39 East

Latitude 32.768603 North, Longitude 103.072685 West

NMOCD Incident # nJXK1613932012

Prepared For:

Great Western Drilling Co.

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Prepared By:

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October 2022

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HUNGRY HORSE, LLC

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

Background:

The site is located in Unit Letter D (NW/NW), Section 8, Township 18 South, Range 39 East, approximately 4.5 miles northeast of Hobbs, in Lea County, New Mexico. The property is privately owned. Topographic Map, OSE POD Locations Map, and USGS Well Locations Map are included as Figure 1, Figure 2, and Figure 3, respectively.

The historic release occurred north of an active well pad; Latitude 32.768603 North, Longitude 103.072685 West. The Initial NMOCD Form C-141 indicated that at Location of Interest Four, identified as South Carter SA Unit #303, a release occurred on an unknown date, with an unknown amount of fluid released, due to an unknown cause. Great Western Drilling Co. investigated the area and submitted the Initial C-141 at the request of the NMOCD. Previously submitted pages of the NMOCD Form C-141 are available on the NMOCD Imaging System. NMOCD Form C-141 Closure page is 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 Karst designated area. Depth to groundwater information is provided as Attachment II and the results are depicted on Figures 2 & 3.

Twelve water wells were located within a half mile of the release area; however, only four of the wells have groundwater data less than twenty-five years old. Therefore, only these four wells, L 00873 POD4, L 04571 S3, L 00873 POD6, and L 10528 POD2, were utilized to determine depth to groundwater. However, as this location of interest is historical, the site was delineated according to the strictest NMOCD Closure Criteria. Utilizing this information, the NMOCD Closure Criteria for the site were determined as follows:

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



Delineation and Remediation Activities:

On April 19, 2022, Hungry Horse conducted an initial site assessment, consisting of mapping and photographing the location of interest. On May 3, 2022, Hungry Horse personnel collected composite surface samples from within the location of interest area. These sample locations are identified by SP designation. The soil samples were collected and field screened for the presence of chloride concentrations utilizing a Hach Quantab® chloride test kit.

Based on field observations and field test data, two representative composite soil samples were selected for laboratory analysis. Surface soil samples SP1 and SP2 were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated contaminant concentrations were below the NMOCD Closure Criteria in each of the submitted samples.

On September 29, 2022, Hungry Horse and Great Western met with NMOCD, via Teams, to discuss this location of interest regarding options to advance the site toward approved closure. NMOCD requested further sampling consisting of soil samples collected at the surface, and one through four feet bgs, from six sample locations, SP1, SP2, SP3, SP4, SP5, and SP6.

On October 4, 2022, Hungry Horse personnel arrived onsite to conduct requested sampling of the location. Thirty representative soil samples, five from each sample location, were collected, field screened for chlorides via an EC meter, then submitted for laboratory analysis. Soil samples collected from the surface through three feet bgs were submitted to the laboratory for analysis of chloride. Soil samples collected at four feet bgs were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated contaminant concentrations were below the NMOCD Closure Criteria in each of the submitted samples.

A Delineation Sample Map is provided as Figure 4. 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.

Restoration, Reclamation, and Re-Vegetation:

Based upon laboratory analytical results from confirmation soil samples, excavation activities are not required at this location of interest. The area will be seeded with an approved seed mixture during the first favorable growing season following these completed remediation activities.

Closure Request:

Remediation activities were conducted in accordance with applicable NMOCD Regulations. Laboratory analytical results from confirmation samples indicate concentrations of BTEX, TPH, and chloride are below the NMOCD Closure Criteria.



Based on laboratory analytical results, Great Western Drilling Co. respectfully requests closure of the South Carter Unit #303 location, nJXK1613932012.

Limitations:

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



Distribution:

Great Western Drilling Co

PO Box 1659

Midland, TX 79701

New Mexico Energy, Minerals and Natural Resources Department

Oil Conservation Division, District 1

1625 N. French Drive

Hobbs, NM 88240

Figures

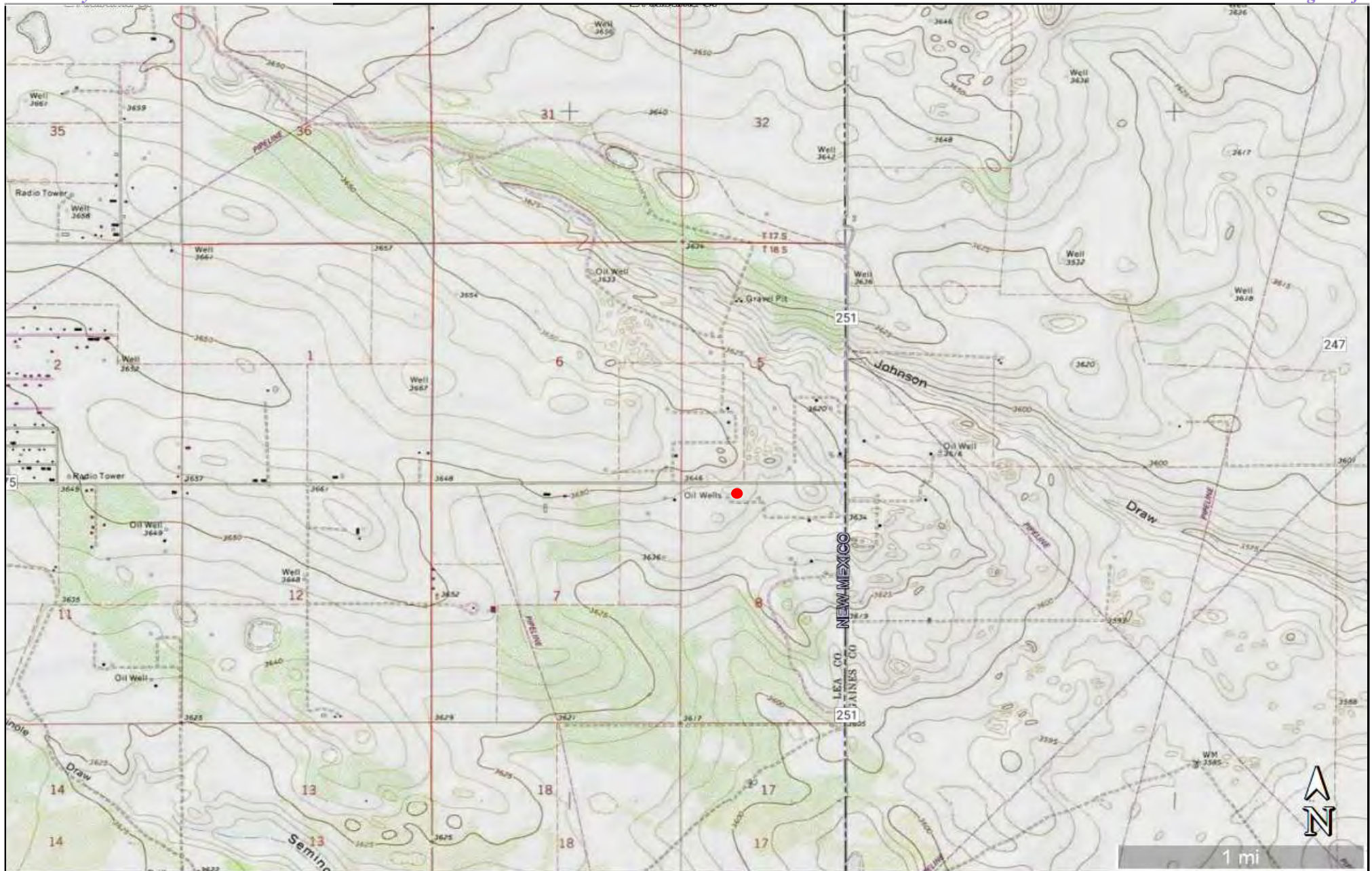


Figure 1

Topographic Map
Great Western Drilling
South Carter SA Unit #303
GPS: 32.768603, -103.072685
Lea County

Legend:

- South Carter SA Unit #303 Location

Drafted: dd
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Date: 5/4/22



**Figure 2**

OSE POD Locations Map
 Great Western Drilling
 South Carter SA Unit #303
 GPS: 32.768603, -103.072685
 Lea County

Legend:

- South Carter SA Unit #303 Location
- Active OSE Water Well
- Plugged OSE Water Well
- Pending OSE Water Well

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**Figure 3**

USGS Well Locations Map
Great Western Drilling
South Carter SA Unit #303
GPS: 32.768603, -103.072685
Lea County

Legend:

- South Carter SA Unit #303 Location
- USGS Well Location



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**Figure 4**

Delineation Sample Map
Great Western Drilling
South Carter SA Unit #303
GPS: 32.768603, -103.072685
Lea County

Legend:

-  Release Area
 Delineation Sample Location

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Checked: bw
Date: 9/30/22



Table

TABLE 1
Summary of Soil Sample Laboratory Analytical Results
Great Western Drilling
South Carter SA Unit #303
NMOCD Ref. #: nJXK1613932012

Sample ID	Date	Depth (ft)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
SP1	5/3/22	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SP2	5/3/22	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SP1	32.768885, -103.072982										
	10/4/22	Surf	In-Situ	-	-	-	-	-	-	-	16.0
	10/4/22	1	In-Situ	-	-	-	-	-	-	-	<16.0
	10/4/22	2	In-Situ	-	-	-	-	-	-	-	16.0
	10/4/22	3	In-Situ	-	-	-	-	-	-	-	<16.0
	10/4/22	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SP2	32.768859, -103.072852										
	10/4/22	Surf	In-Situ	-	-	-	-	-	-	-	16.0
	10/4/22	1	In-Situ	-	-	-	-	-	-	-	<16.0
	10/4/22	2	In-Situ	-	-	-	-	-	-	-	112
	10/4/22	3	In-Situ	-	-	-	-	-	-	-	16.0
	10/4/22	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SP3	32.768792, -103.072741										
	10/4/22	Surf	In-Situ	-	-	-	-	-	-	-	16.0
	10/4/22	1	In-Situ	-	-	-	-	-	-	-	<16.0
	10/4/22	2	In-Situ	-	-	-	-	-	-	-	<16.0
	10/4/22	3	In-Situ	-	-	-	-	-	-	-	16.0
	10/4/22	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SP4	32.768845, -103.073003										
	10/4/22	Surf	In-Situ	-	-	-	-	-	-	-	16.0
	10/4/22	1	In-Situ	-	-	-	-	-	-	-	<16.0
	10/4/22	2	In-Situ	-	-	-	-	-	-	-	16.0
	10/4/22	3	In-Situ	-	-	-	-	-	-	-	32.0
	10/4/22	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SP5	32.768804, -103.072861										
	10/4/22	Surf	In-Situ	-	-	-	-	-	-	-	<16.0
	10/4/22	1	In-Situ	-	-	-	-	-	-	-	<16.0
	10/4/22	2	In-Situ	-	-	-	-	-	-	-	<16.0
	10/4/22	3	In-Situ	-	-	-	-	-	-	-	16.0
	10/4/22	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SP6	32.768728, -103.072757										
	10/4/22	Surf	In-Situ	-	-	-	-	-	-	-	<16.0
	10/4/22	1	In-Situ	-	-	-	-	-	-	-	16.0
	10/4/22	2	In-Situ	-	-	-	-	-	-	-	<16.0
	10/4/22	3	In-Situ	-	-	-	-	-	-	-	<16.0
	10/4/22	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NMOCD Closure Criteria				10	50	-	-	N/A	-	100	600

NOTES:

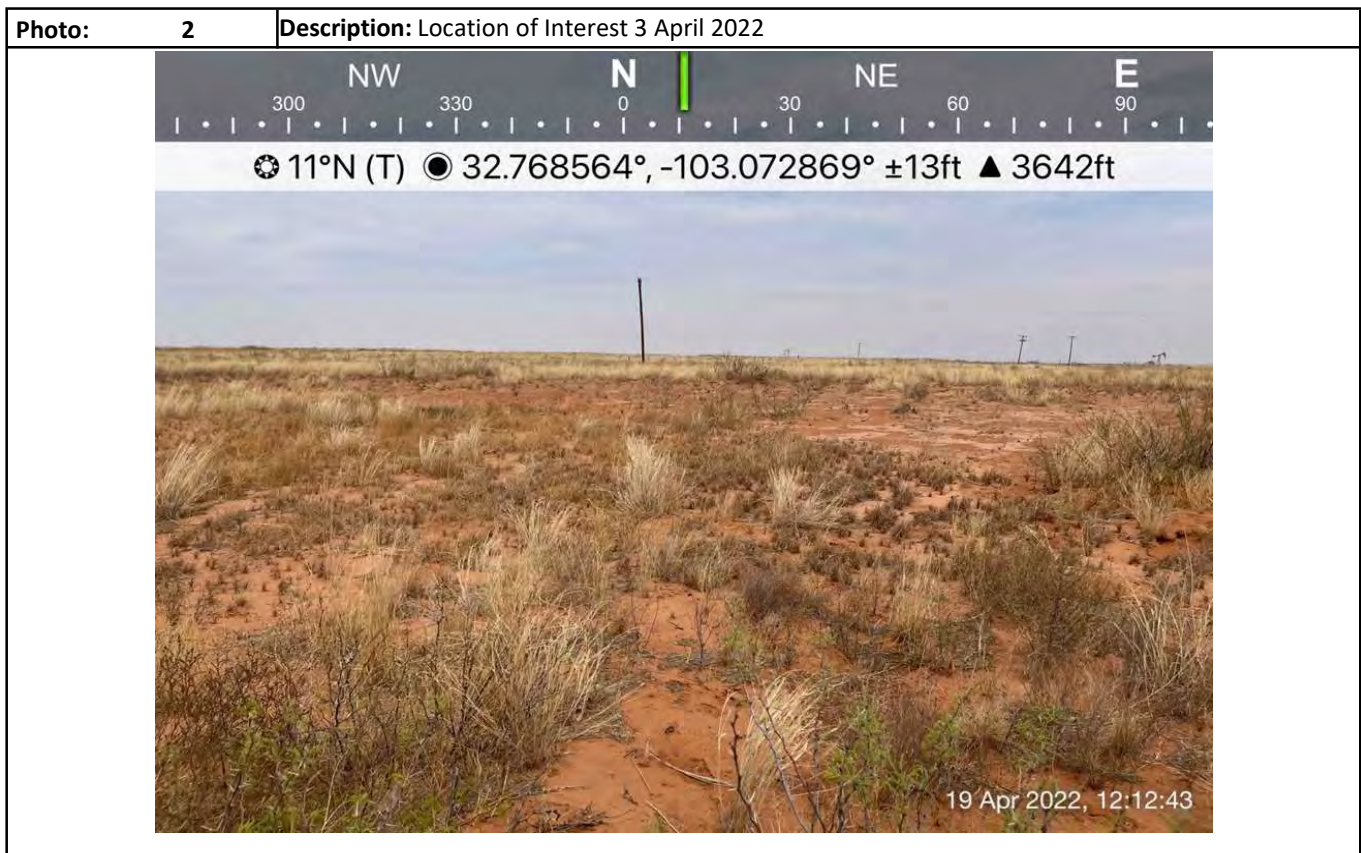
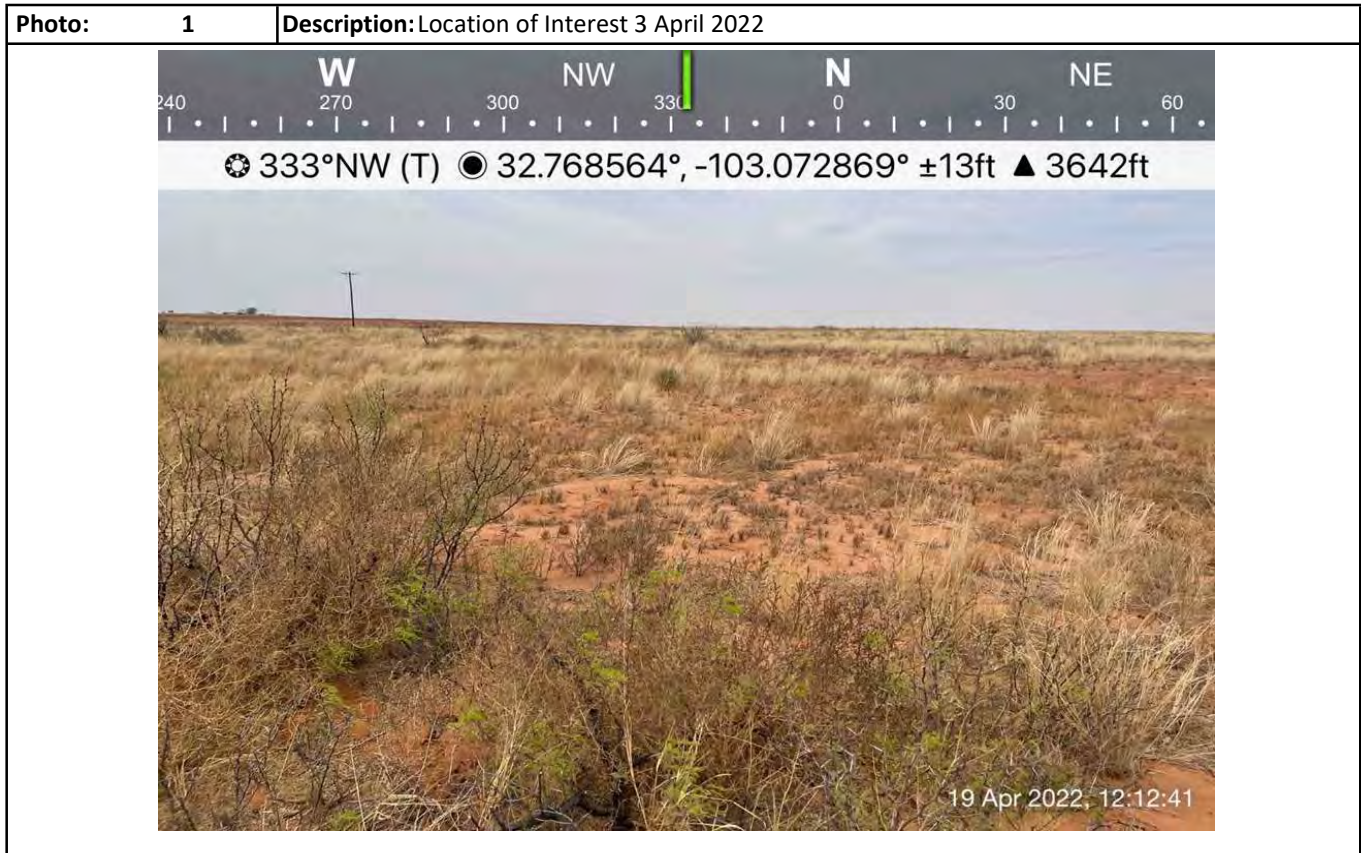
- = Sample not analyzed for that constituent.

Bold text denotes a concentration that exceeds the NMOCD Closure Criteria

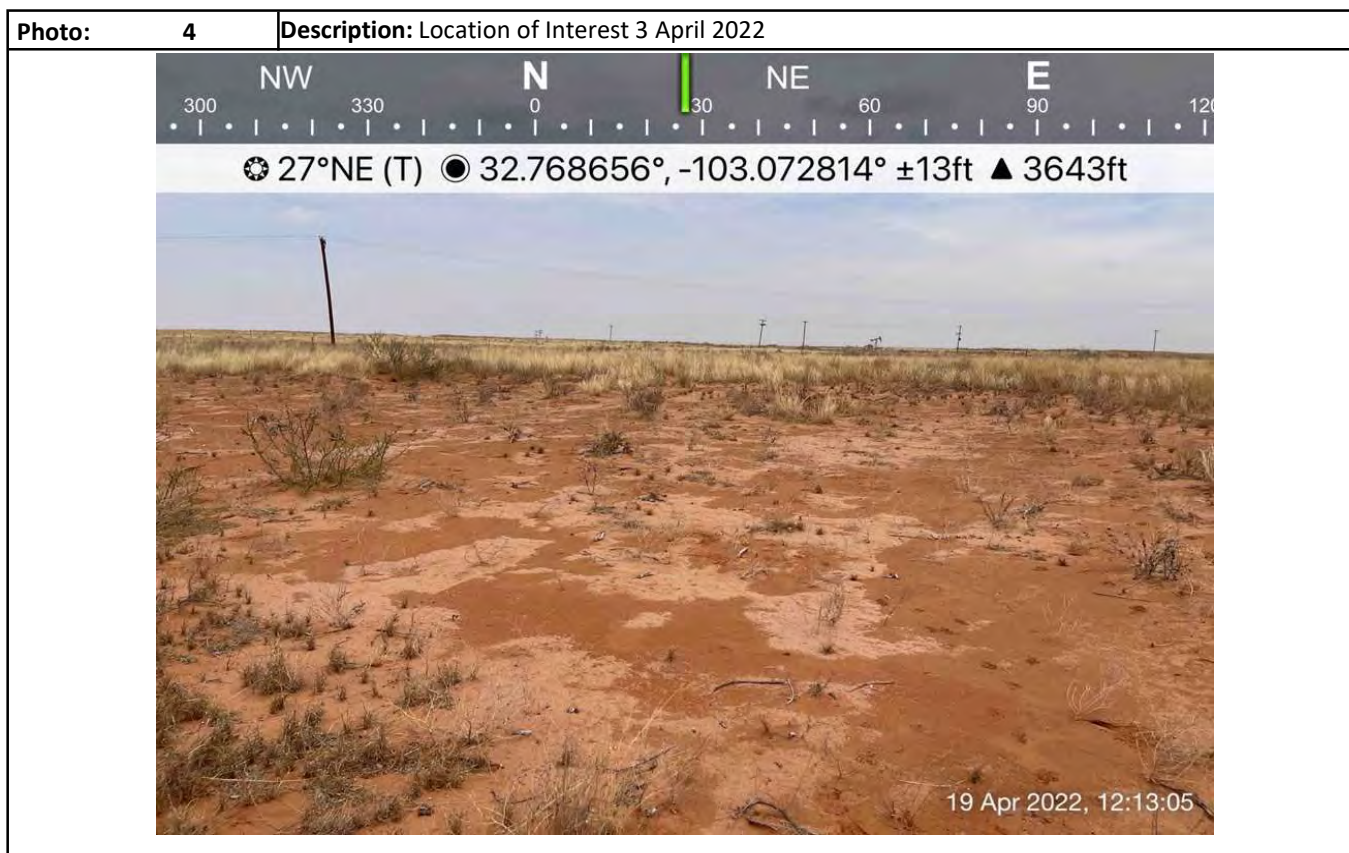
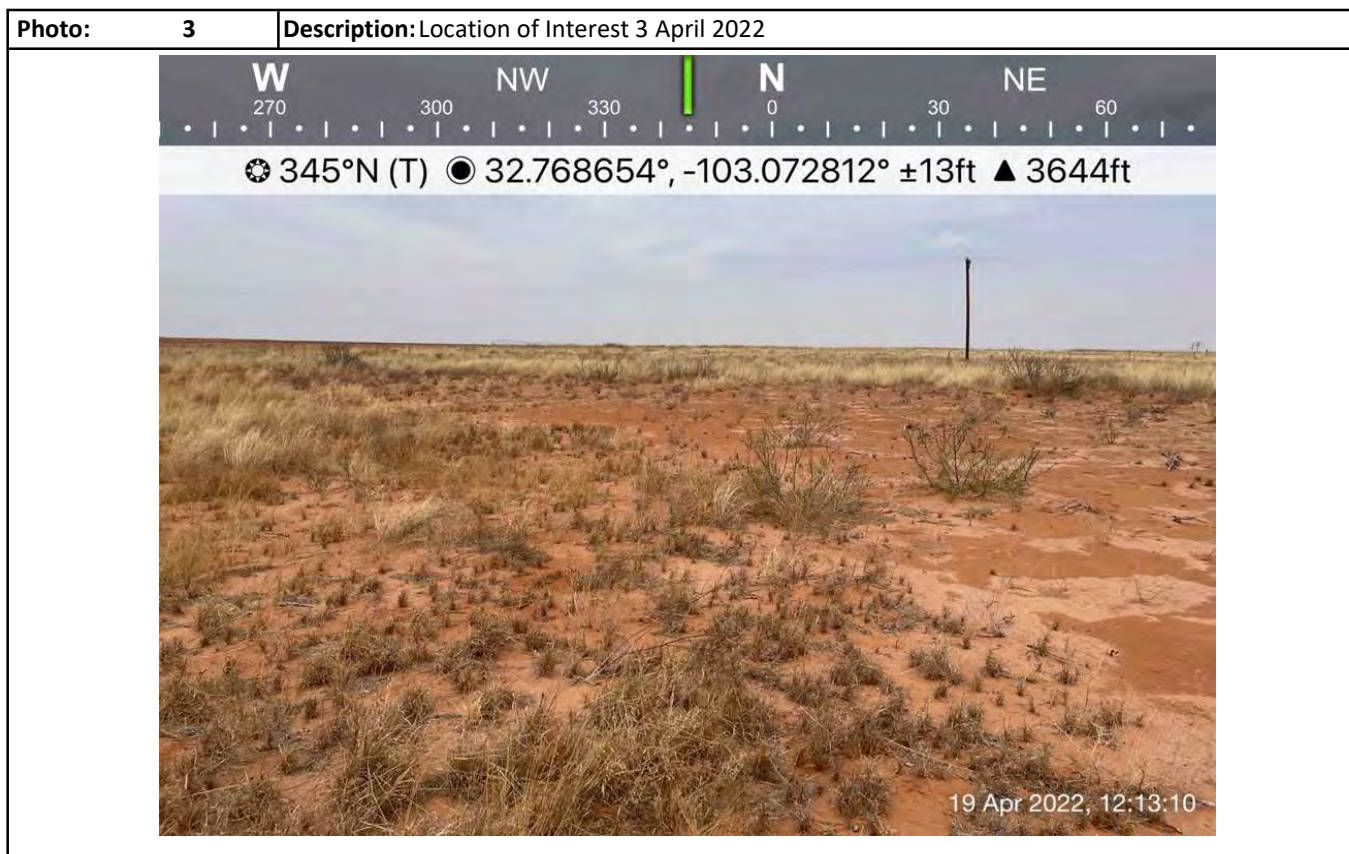
Attachment I

Site Photographs

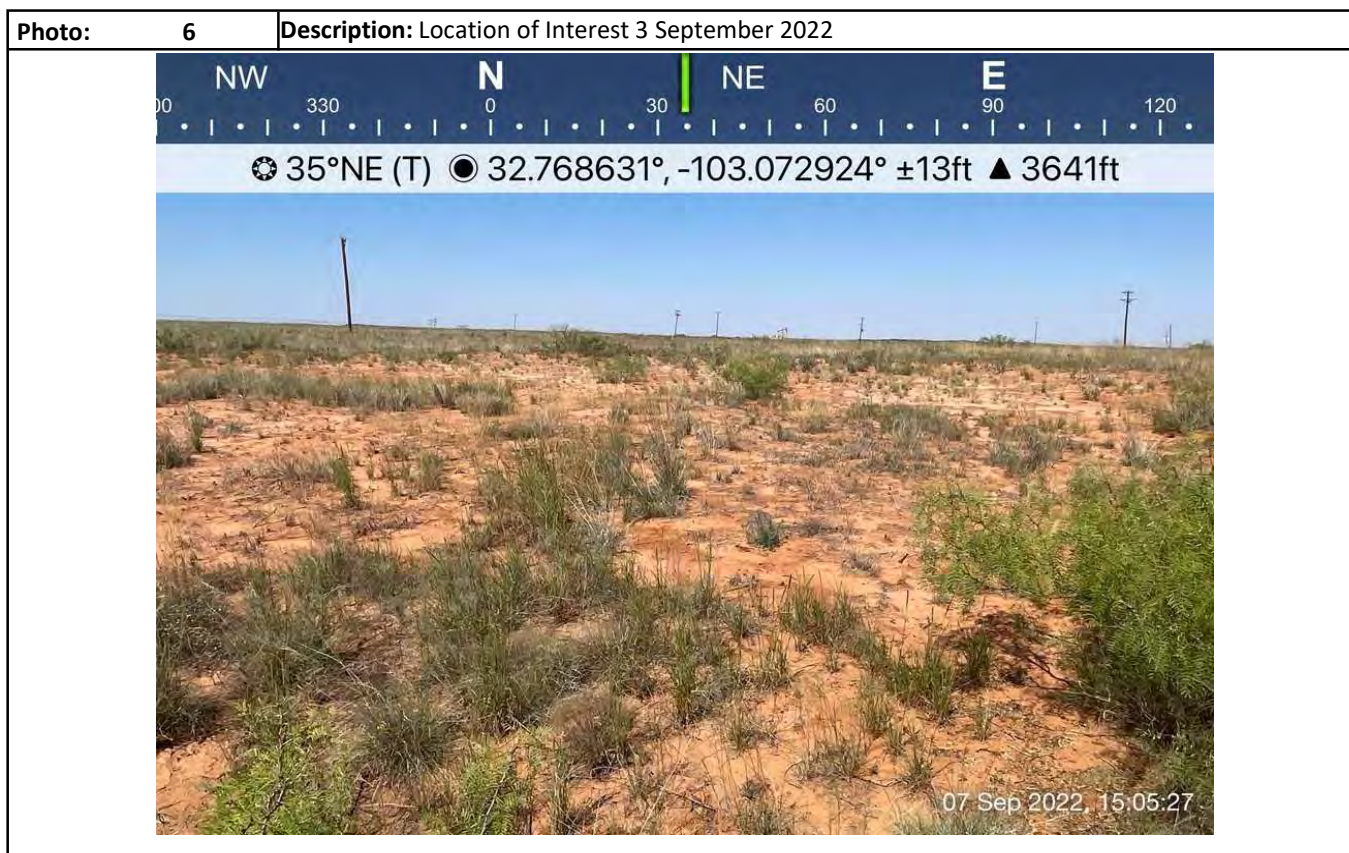
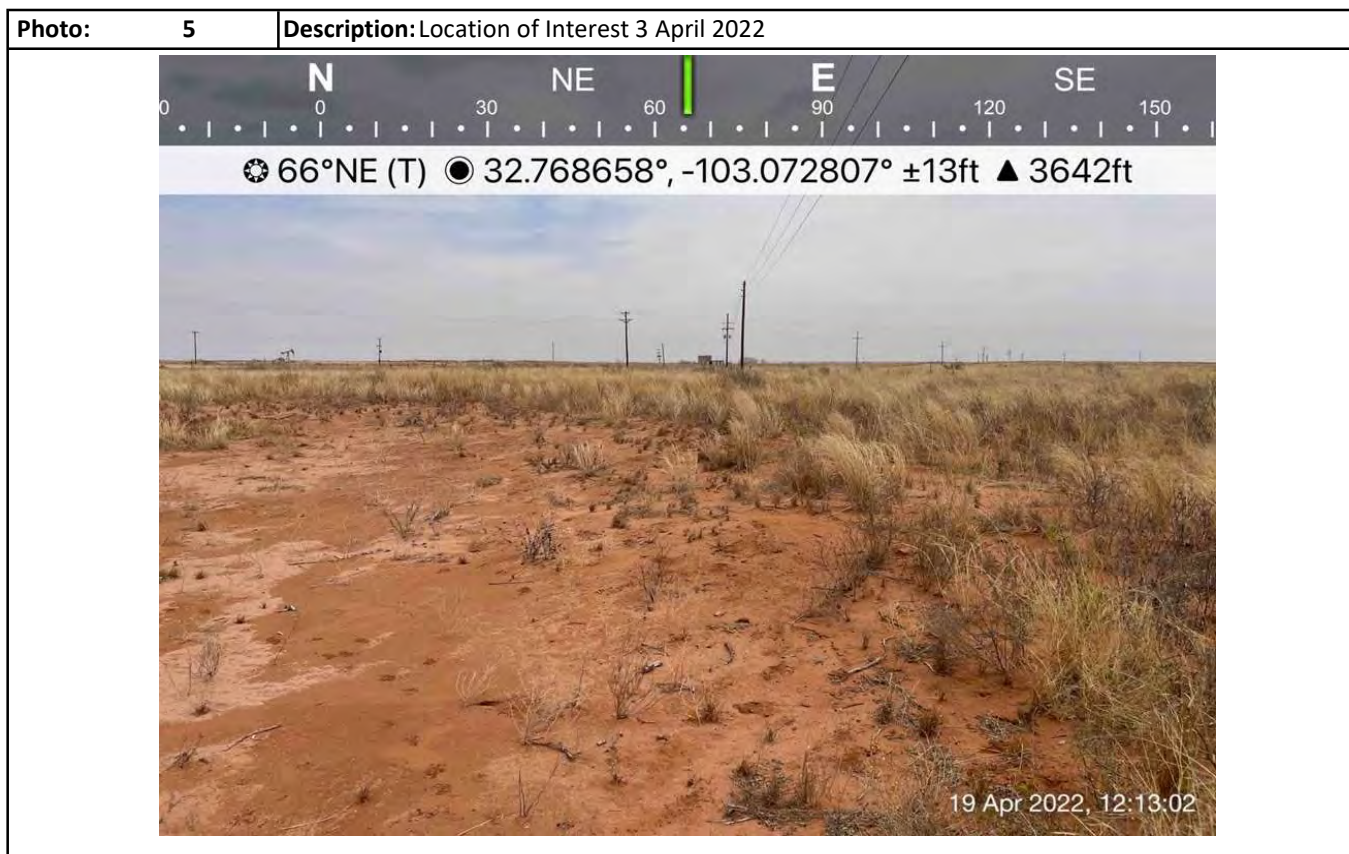
Photographs



Photographs



Photographs



Attachment II

Depth to Groundwater



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

(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		q q q										X		Y		Distance		Start Date		Finish Date		Log File Date		Depth Well		Depth Water		Driller		License Number	
POD Number	Code	Subbasin	County	Source	64	16	4	Sec	Tws	Rng																					
L 11965 POD1		L	LE	Shallow	1	2	1	07	18S	39E		680525	3627337		59	09/27/2006	09/27/2006	10/17/2006													
L 03823		L	LE	Shallow	1	2	1	08	18S	39E		680700	3627250*		177	03/25/1958	03/26/1958	03/26/1958													
L 00873 POD4		L	LE	Shallow	3	3	05		18S	39E		680391	3627546*		298	02/23/2000	03/01/2000	04/20/2000													
L 04526	R	L	LE	Shallow	1	1	3	20	18S	39E		680280	3626939		418	11/08/1960	11/10/1960	01/17/1961													
L 01748		L	LE	Shallow	2	3	1	08	18S	39E		680505	3626840*		438	12/01/1956	12/03/1956	12/18/1956													
L 06469		L	LE	Shallow	4	4	06		18S	39E		680088	3627438*		464	01/31/1969	02/01/1969	02/04/1969													
L 04571 S3		L	LE	Shallow	4	2	2	07	18S	39E		680096	3627035*		492	08/02/2002	08/05/2002	08/09/2002													
L 00873 POD6		L	LE	Shallow	3	4	06		18S	39E		679888	3627438*		656	05/04/2001	05/05/2001	05/10/2001													
L 03745		L	LE	Shallow	2	3	05		18S	39E		680786	3627956*		726	12/11/1957	12/12/1957	12/24/1957													
L 10528 POD2		L	LE	Shallow	2	1	2	07	18S	39E		679761	3627293		763	08/16/2020	08/17/2020	09/22/2020													

Record Count: 10

UTM NAD83 Radius Search (in meters):

Easting (X): 680524.45

Northing (Y): 3627278.46

Radius: 805

*UTM location was derived from PLSS - see Help

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

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WELLS WITH WELL LOG INFORMATION



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	11965 POD1	1	2	07	18S	39E	680525	3627337	

Driller License:	1044	Driller Company:	EADES WELL DRILLING & PUMP SERVICE	
Driller Name:	EADES, ALAN			
Drill Start Date:	09/27/2006	Drill Finish Date:	09/27/2006	Plug Date:
Log File Date:	10/17/2006	PCW Rev Date:		Source: Shallow
Pump Type:		Pipe Discharge Size:		Estimated Yield:
Casing Size:	5.75	Depth Well:	201 feet	Depth Water:

Water Bearing Stratifications:	Top	Bottom	Description
	133	196	Sandstone/Gravel/Conglomerate
	196	199	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	161	201

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POINT OF DIVERSION SUMMARY



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	Tw	Rng	X	Y
L	03823	1	2	1	08	18S	39E	680700	3627250* 

Driller License: 46 **Driller Company:** ABBOTT BROTHERS COMPANY

Driller Name:

Drill Start Date: 03/25/1958 **Drill Finish Date:** 03/26/1958 **Plug Date:** 03/23/1960

Log File Date: 03/26/1958 **PCW Rev Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:**

Casing Size: 7.00 **Depth Well:** 135 feet **Depth Water:** 70 feet

Water Bearing Stratifications:

Top	Bottom	Description
76	135	Sandstone/Gravel/Conglomerate

Casing Perforations:

Top	Bottom
65	135

*UTM location was derived from PLSS - see Help

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6/1/22 2:50 PM

POINT OF DIVERSION SUMMARY



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	00873 POD4	3	3	05	18S	39E	680391 3627546*

x

Driller License: 586 **Driller Company:** MARSH, KENNETH RAY

Driller Name: MARSH, KENNETH R.

Drill Start Date: 02/23/2000	Drill Finish Date: 03/01/2000	Plug Date:
Log File Date: 04/20/2000	PCW Rev Date:	Source: Shallow
Pump Type:	Pipe Discharge Size:	Estimated Yield:
Casing Size: 12.75	Depth Well: 230 feet	Depth Water: 110 feet

x

Water Bearing Stratifications:	Top	Bottom	Description
	175	182	Sandstone/Gravel/Conglomerate
	188	194	Sandstone/Gravel/Conglomerate
	196	226	Sandstone/Gravel/Conglomerate

x

Casing Perforations:	Top	Bottom
	110	230

x

Meter Number: 19625	Meter Make: MCCROMETER
Meter Serial Number: GP14-10027-4	Meter Multiplier: 100.0000
Number of Dials: 6	Meter Type: Diversion
Unit of Measure: Gallons	Return Flow Percent:
Usage Multiplier:	Reading Frequency: Quarterly

x

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
04/01/2016	2016	170786	A	dd		0
10/01/2016	2016	225543	A	dd		16.804
04/01/2017	2017	225543	A	dd		0
07/01/2017	2017	240607	A	dd		4.623
01/01/2018	2017	242918	A	dd		0.709
07/03/2018	2018	260135	A	dd		5.284
10/01/2018	2018	260135	A	dd		0
01/01/2019	2018	260135	A	dd		0
04/01/2019	2019	260135	A	dd		0
07/03/2019	2019	287167	A	dd		8.296
01/01/2020	2019	313028	A	dd		7.936
04/01/2020	2020	322366	A	dd		2.866
10/01/2020	2020	337832	A	dd		4.746
01/01/2021	2020	337832	A	dd		0
04/01/2021	2021	337832	A	dd		0

x

**YTD Meter Amounts:	Year	Amount
	2016	16.804

2017	5.332
2018	5.284
2019	16.232
2020	7.612
2021	0

x

*UTM location was derived from PLSS - see Help

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POINT OF DIVERSION SUMMARY



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	04526 POD2	1	1	3	20	18S	39E	680347	3623243 

Driller License: 1611 **Driller Company:** GOERTZEN DRILLING

Driller Name:

Drill Start Date: 11/03/2008 **Drill Finish Date:** 11/04/2008 **Plug Date:**

Log File Date: 11/14/2008 **PCW Rev Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:**

Casing Size: 6.00 **Depth Well:** 229 feet **Depth Water:**

Casing Perforations: **Top** **Bottom**

169 229

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POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(NAD83 UTM in meters)			
		(quarters are smallest to largest)							
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tw	Rng	X	Y
	L 01748	2	3	1	08	18S	39E	680505	3626840* 
<hr/>									
Driller License: 124		Driller Company:		FULLINGIM, M.L.					
Driller Name:		FULLINGIM, M.L.							
Drill Start Date: 12/01/1956		Drill Finish Date:		12/03/1956		Plug Date:			
Log File Date: 12/18/1956		PCW Rcv Date:				Source:		Shallow	
Pump Type:		Pipe Discharge Size:				Estimated Yield:			
Casing Size:		Depth Well:		125 feet		Depth Water:		48 feet	
<hr/>									
Water Bearing Stratifications:		Top	Bottom	Description					
		48	63	Shallow Alluvium/Basin Fill					
		87	105	Shallow Alluvium/Basin Fill					

*UTM location was derived from PLSS - see Help

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POINT OF DIVERSION SUMMARY



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	Tw	Rng	X	Y		
L	06469	4	4	4	06	18S	39E	680088	3627438*		
<hr/>											
Driller License:		46		Driller Company:			ABBOTT BROTHERS COMPANY				
Driller Name:		MURRELL ABBOTT									
Drill Start Date:		01/31/1969		Drill Finish Date:			02/01/1969		Plug Date:		
Log File Date:		02/04/1969		PCW Rev Date:					Source:		Shallow
Pump Type:					Pipe Discharge Size:					Estimated Yield:	
Casing Size:		5.00		Depth Well:			120 feet		Depth Water:		85 feet
<hr/>											
Water Bearing Stratifications:					Top	Bottom	Description				
					85	120	Other/Unknown				

*UTM location was derived from PLSS - see Help

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


10/20/22 11:19 AM

POINT OF DIVERSION SUMMARY



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	04571 S3	4	2	2	07	18S	39E	680096	3627035* 

Driller License: 1498 **Driller Company:** ROBINSON DRILLING

Driller Name:

Drill Start Date: 08/02/2002 **Drill Finish Date:** 08/05/2002 **Plug Date:**

Log File Date: 08/09/2002 **PCW Rev Date:** 08/05/2008 **Source:** Shallow

Pump Type: SUBMER **Pipe Discharge Size:** **Estimated Yield:** 200 GPM

Casing Size: 10.75 **Depth Well:** 223 feet **Depth Water:** 120 feet

Water Bearing Stratifications:

Top	Bottom	Description
125	162	Sandstone/Gravel/Conglomerate
199	221	Sandstone/Gravel/Conglomerate

Casing Perforations:

Top	Bottom
123	223

*UTM location was derived from PLSS - see Help

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

10/20/22 11:20 AM

POINT OF DIVERSION SUMMARY



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	00873 POD6	3 4 4 06 18S 39E	679888	3627438*

x

Driller License: 1498 **Driller Company:** ROBINSON DRILLING

Driller Name: ROBINSON, B.J. (LD)

Drill Start Date: 05/04/2001	Drill Finish Date: 05/05/2001	Plug Date:
Log File Date: 05/10/2001	PCW Rcv Date:	Source: Shallow
Pump Type:	Pipe Discharge Size:	Estimated Yield:
Casing Size: 10.75	Depth Well: 230 feet	Depth Water: 115 feet

x

Meter Number: 19627	Meter Make: MCCROMETER
Meter Serial Number: GP14-10026-4	Meter Multiplier: 100.0000
Number of Dials: 6	Meter Type: Diversion
Unit of Measure: Gallons	Return Flow Percent:
Usage Multiplier:	Reading Frequency: Quarterly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
04/01/2016	2016	103735	A	dd		0
10/01/2016	2016	125871	A	dd		6.793
04/01/2017	2017	125871	A	dd		0
07/01/2017	2017	125871	A	dd		0
01/01/2018	2017	125871	A	dd		0
07/03/2018	2018	125871	A	dd		0
10/01/2018	2018	125871	A	dd		0
01/01/2019	2018	125871	A	dd		0
04/01/2019	2019	125871	A	dd		0
07/01/2019	2019	125871	A	dd		0
01/01/2020	2019	125871	A	dd		0
04/01/2020	2020	125871	A	dd		0
10/01/2020	2020	125871	A	dd		0
01/01/2021	2020	125871	A	dd		0
04/01/2021	2021	125871	A	dd		0

**YTD Meter Amounts:	Year	Amount
	2016	6.793
	2017	0
	2018	0
	2019	0
	2020	0
	2021	0

x

*UTM location was derived from PLSS - see Help

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

10/20/22 12:08 PM

POINT OF DIVERSION SUMMARY



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	03745	2	3	05	18S	39E	680786	3627956*	

Driller License: 111 **Driller Company:** BURKE, EDWARD B.

Driller Name: BURKE, EDWARD B.

Drill Start Date:	12/11/1957	Drill Finish Date:	12/12/1957	Plug Date:	01/03/1959
Log File Date:	12/24/1957	PCW Rev Date:		Source:	Shallow
Pump Type:		Pipe Discharge Size:		Estimated Yield:	
Casing Size:	7.00	Depth Well:	133 feet	Depth Water:	65 feet

Water Bearing Stratifications:	Top	Bottom	Description
	88	112	Sandstone/Gravel/Conglomerate
	128	133	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	101	126

*UTM location was derived from PLSS - see Help

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10/20/22 11:21 AM

POINT OF DIVERSION SUMMARY



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	Tw	Rng	X	Y		
20C7C	L 10528 POD2	2	1	2	07	18S	39E	679761	3627293		
x											
Driller License: 1753		Driller Company:				VANGUARD WATER WELLS					
Driller Name:		FRIESSEN, JACOBO IELNER									
Drill Start Date: 08/16/2020		Drill Finish Date:				08/17/2020		Plug Date:			
Log File Date: 09/22/2020		PCW Rev Date:						Source:		Shallow	
Pump Type:		Pipe Discharge Size:						Estimated Yield:			
Casing Size: 5.00		Depth Well:				220 feet		Depth Water:		120 feet	
x											
Water Bearing Stratifications:					Top	Bottom	Description				
					75	185	Sandstone/Gravel/Conglomerate				
					191	198	Sandstone/Gravel/Conglomerate				
					198	215	Sandstone/Gravel/Conglomerate				
x											
Casing Perforations:					Top	Bottom					
					180	220					
x											

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

10/20/22 12:09 PM

POINT OF DIVERSION SUMMARY




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National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater Geographic Area: United States GO

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Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 324601103042101

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 324601103042101 18S.39E.06.44442

Lea County, New Mexico

Latitude 32°46'01", Longitude 103°04'21" NAD27

Land-surface elevation 3,644 feet above NAVD88

The depth of the well is 120 feet below land surface.

This well is completed in the High Plains aquifer (N100HGHLN) national aquifer.

This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

[Table of data](#)

[Tab-separated data](#)

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[Reselect period](#)

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1980-01-03			D 62610		3548.39	NGVD29	1		Z	
1980-01-03			D 62611		3549.50	NAVD88	1		Z	
1980-01-03			D 72019	94.50			1		Z	
1981-01-06			D 62610		3546.52	NGVD29	1		Z	
1981-01-06			D 62611		3547.63	NAVD88	1		Z	
1981-01-06			D 72019	96.37			1		Z	
1981-10-20			D 62610		3545.31	NGVD29	1		Z	
1981-10-20			D 62611		3546.42	NAVD88	1		Z	
1981-10-20			D 72019	97.58			1		Z	
1982-01-06			D 62610		3544.95	NGVD29	1		Z	
1982-01-06			D 62611		3546.06	NAVD88	1		Z	
1982-01-06			D 72019	97.94			1		Z	
1983-01-04			D 62610		3543.65	NGVD29	1		Z	
1983-01-04			D 62611		3544.76	NAVD88	1		Z	
1983-01-04			D 72019	99.24			1		Z	
1984-01-04			D 62610		3542.64	NGVD29	1		Z	
1984-01-04			D 62611		3543.75	NAVD88	1		Z	
1984-01-04			D 72019	100.25			1		Z	
1985-01-08			D 62610		3541.75	NGVD29	1		Z	
1985-01-08			D 62611		3542.86	NAVD88	1		Z	

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1985-01-08			D	72019	101.14			1	Z	
1986-01-09			D	62610		3540.80	NGVD29	1	Z	
1986-01-09			D	62611		3541.91	NAVD88	1	Z	
1986-01-09			D	72019	102.09			1	Z	
1987-01-07			D	62610		3540.02	NGVD29	1	Z	
1987-01-07			D	62611		3541.13	NAVD88	1	Z	
1987-01-07			D	72019	102.87			1	Z	
1988-01-08			D	62610		3539.19	NGVD29	1	Z	
1988-01-08			D	62611		3540.30	NAVD88	1	Z	
1988-01-08			D	72019	103.70			1	Z	
1989-01-04			D	62610		3538.67	NGVD29	1	Z	
1989-01-04			D	62611		3539.78	NAVD88	1	Z	
1989-01-04			D	72019	104.22			1	Z	
1990-01-03			D	62610		3538.22	NGVD29	1	Z	
1990-01-03			D	62611		3539.33	NAVD88	1	Z	
1990-01-03			D	72019	104.67			1	Z	
1991-01			M	62610			NGVD29	O	Z	
1991-01			M	62611			NAVD88	O	Z	
1991-01			M	72019				O	Z	
1992-01			M	62610			NGVD29	O	Z	
1992-01			M	62611			NAVD88	O	Z	
1992-01			M	72019				O	Z	
1993-01-05			D	62610			NGVD29	O	Z	
1993-01-05			D	62611			NAVD88	O	Z	
1993-01-05			D	72019				O	Z	

Explanation		
Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	M	Date is accurate to the Month
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	O	Obstructed
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>

Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2022-06-01 15:59:38 EDT

0.3 0.27 nadww01



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National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
United States

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Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 324630103050101

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 324630103050101 18S.39E.06.142143

Lea County, New Mexico
Latitude 32°45'54", Longitude 103°04'06" NAD27
Land-surface elevation 3,648.00 feet above NGVD29
The depth of the well is 171 feet below land surface.
This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer.
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	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1976-02-25		D	62610		3573.53	NGVD29	1		Z	
1976-02-25		D	62611		3574.64	NAVD88	1		Z	
1976-02-25		D	72019	74.47			1		Z	

Explanation		
Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929

Section	Code	Description
Status	1	Static
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Title: Groundwater for USA: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>



Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2022-06-01 15:58:29 EDT

0.32 0.29 nadww01

Attachment III Field Data

Sample Log

Date:

5/3/22

Latitude: 32.768603

Longitude: -103.072685

Sampler:

B. Wells

[illegible]

Test Trench = TT1 @ ##

Refusal = SP1 @ 4'-R

Resamples= SP1b @ 5' or SW #1b

GPS Sample Points, Center of Comp Areas

Stockpile = Stockpile #1

Sample Log

Date: 10/4/22

Latitude: 32.768603

Longitude: -103.072685

Sampler: Eli Dominguez/Jorge Valeriano

[illegible]

Test Trench = TT1 @ ##

Resamples= SP1b @ 5' or SW #1b

Stockpile = Stockpile #1

Attachment IV

Laboratory Analytical Reports



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

May 09, 2022

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: SOUTH CARTER SA UNIT #303

Enclosed are the results of analyses for samples received by the laboratory on 05/03/22 15:58.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/03/2022
 Reported: 05/09/2022
 Project Name: SOUTH CARTER SA UNIT #303
 Project Number: NONE GIVEN
 Project Location: GWD- UL/D SEC 8 T18S - R39E

Sampling Date: 05/03/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 1 (H221849-01)

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2022	ND	2.18	109	2.00	1.16	
Toluene*	<0.050	0.050	05/08/2022	ND	2.14	107	2.00	1.41	
Ethylbenzene*	<0.050	0.050	05/08/2022	ND	2.08	104	2.00	1.77	
Total Xylenes*	<0.150	0.150	05/08/2022	ND	6.43	107	6.00	1.22	
Total BTEX	<0.300	0.300	05/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/05/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/06/2022	ND	198	98.8	200	5.89	
DRO >C10-C28*	<10.0	10.0	05/06/2022	ND	207	104	200	5.77	
EXT DRO >C28-C36	<10.0	10.0	05/06/2022	ND					

Surrogate: 1-Chlorooctane 78.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 85.9 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/03/2022
 Reported: 05/09/2022
 Project Name: SOUTH CARTER SA UNIT #303
 Project Number: NONE GIVEN
 Project Location: GWD- UL/D SEC 8 T18S - R39E

Sampling Date: 05/03/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 2 (H221849-02)

BTX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2022	ND	2.18	109	2.00	1.16	
Toluene*	<0.050	0.050	05/08/2022	ND	2.14	107	2.00	1.41	
Ethylbenzene*	<0.050	0.050	05/08/2022	ND	2.08	104	2.00	1.77	
Total Xylenes*	<0.150	0.150	05/08/2022	ND	6.43	107	6.00	1.22	
Total BTX	<0.300	0.300	05/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/05/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/06/2022	ND	198	98.8	200	5.89	
DRO >C10-C28*	<10.0	10.0	05/06/2022	ND	207	104	200	5.77	
EXT DRO >C28-C36	<10.0	10.0	05/06/2022	ND					

Surrogate: 1-Chlorooctane 74.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 80.4 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

October 10, 2022

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: SOUTH CARTER SA UNIT #303

Enclosed are the results of analyses for samples received by the laboratory on 10/04/22 14:15.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/04/2022	Sampling Date:	10/04/2022
Reported:	10/10/2022	Sampling Type:	Soil
Project Name:	SOUTH CARTER SA UNIT #303	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	GWD- UL/D SEC 8 T18S - R39E		

Sample ID: SP 5 - SURF (H224622-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/07/2022	ND	448	112	400	0.00		

Sample ID: SP 5 - 1' (H224622-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/07/2022	ND	448	112	400	0.00		

Sample ID: SP 5 - 2' (H224622-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/07/2022	ND	448	112	400	0.00		

Sample ID: SP 5 - 3' (H224622-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	10/07/2022	ND	448	112	400	0.00		

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/04/2022
 Reported: 10/10/2022
 Project Name: SOUTH CARTER SA UNIT #303
 Project Number: NONE GIVEN
 Project Location: GWD- UL/D SEC 8 T18S - R39E

Sampling Date: 10/04/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP 5 - 4' (H224622-05)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/08/2022	ND	2.01	101	2.00	3.51	
Toluene*	<0.050	0.050	10/08/2022	ND	2.12	106	2.00	2.83	
Ethylbenzene*	<0.050	0.050	10/08/2022	ND	1.96	97.8	2.00	3.44	
Total Xylenes*	<0.150	0.150	10/08/2022	ND	5.88	98.0	6.00	4.33	
Total BTEX	<0.300	0.300	10/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/07/2022	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2022	ND	214	107	200	3.09	
DRO >C10-C28*	<10.0	10.0	10/05/2022	ND	197	98.6	200	0.229	
EXT DRO >C28-C36	<10.0	10.0	10/05/2022	ND					

Surrogate: 1-Chlorooctane 100 % 45.3-161

Surrogate: 1-Chlorooctadecane 123 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/04/2022
 Reported: 10/10/2022
 Project Name: SOUTH CARTER SA UNIT #303
 Project Number: NONE GIVEN
 Project Location: GWD- UL/D SEC 8 T18S - R39E

Sampling Date: 10/04/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP 6 - SURF (H224622-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/07/2022	ND	448	112	400	0.00		

Sample ID: SP 6 - 1' (H224622-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/07/2022	ND	448	112	400	0.00	

Sample ID: SP 6 - 2' (H224622-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/07/2022	ND	448	112	400	0.00	

Sample ID: SP 6 - 3' (H224622-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/07/2022	ND	448	112	400	0.00		

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/04/2022
 Reported: 10/10/2022
 Project Name: SOUTH CARTER SA UNIT #303
 Project Number: NONE GIVEN
 Project Location: GWD- UL/D SEC 8 T18S - R39E

Sampling Date: 10/04/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP 6 - 4' (H224622-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/08/2022	ND	2.01	101	2.00	3.51		
Toluene*	<0.050	0.050	10/08/2022	ND	2.12	106	2.00	2.83		
Ethylbenzene*	<0.050	0.050	10/08/2022	ND	1.96	97.8	2.00	3.44		
Total Xylenes*	<0.150	0.150	10/08/2022	ND	5.88	98.0	6.00	4.33		
Total BTEx	<0.300	0.300	10/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/07/2022	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2022	ND	218	109	200	3.94	
DRO >C10-C28*	<10.0	10.0	10/07/2022	ND	224	112	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	10/07/2022	ND					

Surrogate: 1-Chlorooctane 104 % 45.3-161

Surrogate: 1-Chlorooctadecane 112 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/04/2022
 Reported: 10/10/2022
 Project Name: SOUTH CARTER SA UNIT #303
 Project Number: NONE GIVEN
 Project Location: GWD- UL/D SEC 8 T18S - R39E

Sampling Date: 10/04/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP 1 - SURF (H224622-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	10/07/2022	ND	448	112	400	0.00		

Sample ID: SP 1 - 1' (H224622-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/07/2022	ND	448	112	400	0.00		

Sample ID: SP 1 - 2' (H224622-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	10/07/2022	ND	432	108	400	0.00		

Sample ID: SP 1 - 3' (H224622-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/07/2022	ND	432	108	400	0.00		

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/04/2022
 Reported: 10/10/2022
 Project Name: SOUTH CARTER SA UNIT #303
 Project Number: NONE GIVEN
 Project Location: GWD- UL/D SEC 8 T18S - R39E

Sampling Date: 10/04/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP 1 - 4' (H224622-15)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/08/2022	ND	2.01	101	2.00	3.51	
Toluene*	<0.050	0.050	10/08/2022	ND	2.12	106	2.00	2.83	
Ethylbenzene*	<0.050	0.050	10/08/2022	ND	1.96	97.8	2.00	3.44	
Total Xylenes*	<0.150	0.150	10/08/2022	ND	5.88	98.0	6.00	4.33	
Total BTEX	<0.300	0.300	10/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	10/07/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2022	ND	218	109	200	3.94	
DRO >C10-C28*	<10.0	10.0	10/07/2022	ND	224	112	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	10/07/2022	ND					

Surrogate: 1-Chlorooctane 108 % 45.3-161

Surrogate: 1-Chlorooctadecane 119 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/04/2022
 Reported: 10/10/2022
 Project Name: SOUTH CARTER SA UNIT #303
 Project Number: NONE GIVEN
 Project Location: GWD- UL/D SEC 8 T18S - R39E

Sampling Date: 10/04/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP 2 - SURF (H224622-16)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	10/07/2022	ND	432	108	400	0.00		

Sample ID: SP 2 - 1' (H224622-17)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/07/2022	ND	432	108	400	0.00		

Sample ID: SP 2 - 2' (H224622-18)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	10/07/2022	ND	432	108	400	0.00		

Sample ID: SP 2 - 3' (H224622-19)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/07/2022	ND	432	108	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/04/2022
 Reported: 10/10/2022
 Project Name: SOUTH CARTER SA UNIT #303
 Project Number: NONE GIVEN
 Project Location: GWD- UL/D SEC 8 T18S - R39E

Sampling Date: 10/04/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP 2 - 4' (H224622-20)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/08/2022	ND	2.01	101	2.00	3.51		
Toluene*	<0.050	0.050	10/08/2022	ND	2.12	106	2.00	2.83		
Ethylbenzene*	<0.050	0.050	10/08/2022	ND	1.96	97.8	2.00	3.44		
Total Xylenes*	<0.150	0.150	10/08/2022	ND	5.88	98.0	6.00	4.33		
Total BTEX	<0.300	0.300	10/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/07/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2022	ND	218	109	200	3.94	
DRO >C10-C28*	<10.0	10.0	10/07/2022	ND	224	112	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	10/07/2022	ND					

Surrogate: 1-Chlorooctane 117 % 45.3-161

Surrogate: 1-Chlorooctadecane 129 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/04/2022
 Reported: 10/10/2022
 Project Name: SOUTH CARTER SA UNIT #303
 Project Number: NONE GIVEN
 Project Location: GWD- UL/D SEC 8 T18S - R39E

Sampling Date: 10/04/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP 3 - SURF (H224622-21)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	10/07/2022	ND	432	108	400	0.00		

Sample ID: SP 3 - 1' (H224622-22)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/07/2022	ND	432	108	400	0.00		

Sample ID: SP 3 - 2' (H224622-23)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/07/2022	ND	432	108	400	0.00		

Sample ID: SP 3 - 3' (H224622-24)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/07/2022	ND	432	108	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/04/2022
 Reported: 10/10/2022
 Project Name: SOUTH CARTER SA UNIT #303
 Project Number: NONE GIVEN
 Project Location: GWD- UL/D SEC 8 T18S - R39E

Sampling Date: 10/04/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP 3 - 4' (H224622-25)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/08/2022	ND	2.01	101	2.00	3.51		
Toluene*	<0.050	0.050	10/08/2022	ND	2.12	106	2.00	2.83		
Ethylbenzene*	<0.050	0.050	10/08/2022	ND	1.96	97.8	2.00	3.44		
Total Xylenes*	<0.150	0.150	10/08/2022	ND	5.88	98.0	6.00	4.33		
Total BTEx	<0.300	0.300	10/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/07/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2022	ND	218	109	200	3.94	
DRO >C10-C28*	<10.0	10.0	10/07/2022	ND	224	112	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	10/07/2022	ND					

Surrogate: 1-Chlorooctane 117 % 45.3-161

Surrogate: 1-Chlorooctadecane 128 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/04/2022
 Reported: 10/10/2022
 Project Name: SOUTH CARTER SA UNIT #303
 Project Number: NONE GIVEN
 Project Location: GWD- UL/D SEC 8 T18S - R39E

Sampling Date: 10/04/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP 4 - SURF (H224622-26)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	10/07/2022	ND	432	108	400	0.00		

Sample ID: SP 4 - 1' (H224622-27)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/07/2022	ND	432	108	400	0.00		

Sample ID: SP 4 - 2' (H224622-28)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	10/07/2022	ND	432	108	400	0.00		

Sample ID: SP 4 - 3' (H224622-29)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/07/2022	ND	432	108	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/04/2022
 Reported: 10/10/2022
 Project Name: SOUTH CARTER SA UNIT #303
 Project Number: NONE GIVEN
 Project Location: GWD- UL/D SEC 8 T18S - R39E

Sampling Date: 10/04/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP 4 - 4' (H224622-30)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/08/2022	ND	2.01	101	2.00	3.51		
Toluene*	<0.050	0.050	10/08/2022	ND	2.12	106	2.00	2.83		
Ethylbenzene*	<0.050	0.050	10/08/2022	ND	1.96	97.8	2.00	3.44		
Total Xylenes*	<0.150	0.150	10/08/2022	ND	5.88	98.0	6.00	4.33		
Total BTX	<0.300	0.300	10/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/07/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2022	ND	218	109	200	3.94	
DRO >C10-C28*	<10.0	10.0	10/07/2022	ND	224	112	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	10/07/2022	ND					

Surrogate: 1-Chlorooctane 127 % 45.3-161

Surrogate: 1-Chlorooctadecane 139 % 46.3-178

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Hungry Horse LLC		P.O. #:		BILL TO										ANALYSIS REQUEST																													
Project Manager: Daniel Dominguez		Company: Great Western Drilling																																									
Address: PO Box 1058		Attn: Dennis Pender																																									
City: Hobbs		State: NM		Zip: 88241																																							
Phone #: 575 393-3386		Fax #:		Address: 700 W. Louisiana Ave.																																							
Project #:		Project Owner: Great Western Drilling		City: Midland																																							
Project Name: South Carter SA Unit #303		State: TX		Zip: 79701																																							
Project Location: U/L D Sec 8 T18S - R39E		Phone #: 432-682-5241		Fax #:																																							
Sampler Name: Jorge Valeriano		FOR LAB USE ONLY																																									
Lab I.D. Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME		Chloride		TPH		BTEX 8021											
SP5-Surf		G		1		X																		10/4/22				X															
SP5-1'		G		1		X																		10/4/22				X															
SP5-2'		G		1		X																		10/4/22				X															
SP5-3'		G		1		X																		10/4/22				X															
SP5-4'		G		1		X																		10/4/22				X		X													
SP6-Surf		G		1		X																		10/4/22				X															
SP6-1'		G		1		X																		10/4/22				X															
SP6-2'		G		1		X																		10/4/22				X															
SP6-3'		G		1		X																		10/4/22				X															
SP6-4'		G		1		X																		10/4/22				X		X													
Relinquished By: Jorge Valeriano		Date: 10/4/22		Time: 2:15		Received By: S. Dominguez		Date: 10/4/22		Time: 2:15		Sample Condition: Cool Intact		Checked By: (Initials) SP																													
Delivered By: (Circle One) 1-100 C-O-100		Sample Condition: Cool Intact		Checked By: (Initials) SP																																							
Sampler - UPS - Bus - Other: 1-02 #113		Cool Intact		Checked By: (Initials) SP																																							
Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476		Fax Result: Yes No		Add'l Phone #: Add'l Fax #:																																							
REMARKS:		Phone Result: Yes No		Add'l Phone #: Add'l Fax #:																																							
Email results to: pm@hungry-horse.com		Fax Result: Yes No		Add'l Phone #: Add'l Fax #:																																							
dpenden@gwdc.com		Phone Result: Yes No		Add'l Phone #: Add'l Fax #:																																							



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Hungry Horse LLC		P.O. #:		BILL TO		ANALYSIS REQUEST	
Project Manager: Daniel Dominguez		Company: Great Western Drilling					
Address: PO Box 1058		Attn: Dennis Pender					
City: Hobbs		Address: 700 W. Louisiana Ave.					
Phone #: 575 393-3386		City: Midland					
Fax #:		State: TX		Zip: 79701			
Project #:		Project Owner: Great Western Drilling					
Project Name: South Carter SA Unit #303		State: NM		Zip: 88241			
Project Location: U/L D Sec 8 T18S - R39E		Phone #: 432-682-5241					
Sampler Name: Jorge Valeriano		Fax #:					

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	Chloride	TPH	BTEX 8021	
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :						
11	SP1-Surf	G	1	X							10/4/22		X		
12	SP1-1'	G	1		X						10/4/22		X		
13	SP1-2'	G	1		X						10/4/22		X		
14	SP1-3'	G	1		X						10/4/22		X		
15	SP1-4'	G	1		X						10/4/22		X		
16	SP2-Surf	G	1		X						10/4/22		X		
17	SP2-1'	G	1		X						10/4/22		X		
18	SP2-2'	G	1		X						10/4/22		X		
19	SP2-3'	G	1		X						10/4/22		X		
20	SP2-4'	G	1		X						10/4/22		X		

Relinquished By: Jorge Valeriano	Date: 10/4/22	Received By:	Date: 10/4/22
Relinquished By:	Date:	Received By:	Date:

Delivered By: (Circle One)	Sample Condition	CHECKED BY: (Initials)
<input checked="" type="checkbox"/> UPS <input type="checkbox"/> Bus <input type="checkbox"/> Other: 10:00 #113	<input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

REMARKS:

Phone Result: ☐ Yes ☐ No Add'l Phone #:

Fax Result: ☐ Yes ☐ No Add'l Fax #:

Email results to: pm@hungry-horse.com
dpender@gwdc.com



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Hungry Horse LLC		P.O. #:		BILL TO												ANALYSIS REQUEST																															
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Address: PO Box 1058		Attn: Dennis Pender																																													
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Project #:		Zip: 79701																																													
Project Name: South Carter SA Unit #303		State: NM																																													
Project Location: UL D Sec 8 T18S - R39E		Phone #: 432-682-5241																																													
Sampler Name: Jorge Valeriano		Fax #:																																													
FOR LAB USE ONLY																																															
Lab I.D. Sample I.D.																																															
21		SP3-Surf		(G)RAB OR (C)OMP		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME		Chloride		TPH		BTEX 8021													
22		SP3-1'		G 1		X																				10/4/22				X																	
23		SP3-2'		G 1		X																				10/4/22				X																	
24		SP3-3'		G 1		X																				10/4/22				X																	
25		SP3-4'		G 1		X																				10/4/22				X																	
26		SP4-Surf		G 1		X																				10/4/22				X																	
27		SP4-1'		G 1		X																				10/4/22				X																	
28		SP4-2'		G 1		X																				10/4/22				X																	
29		SP4-3'		G 1		X																				10/4/22				X																	
30		SP4-4'		G 1		X																				10/4/22				X																	
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Delivered By: (Circle One) <u>UPS</u>		Time: <u>10:00</u>		Sample Condition: <u>Intact</u>		CHECKED BY: <u>(Signature)</u>		REMARKS: <u>pm@hungry-horse.com</u>		Phone Result: <u>Yes</u>		Fax Result: <u>Yes</u>		Add'l Phone #: <u></u>		Add'l Fax #: <u></u>																															
Relinquished By: <u>Jorge Valeriano</u>		Date: <u>10/4/22</u>		Received By: <u>Steele Pender</u>		Time: <u>10:00</u>		Sample Condition: <u>Intact</u>		CHECKED BY: <u>(Signature)</u>		REMARKS: <u>pm@hungry-horse.com</u>		Phone Result: <u>Yes</u>		Fax Result: <u>Yes</u>		Add'l Phone #: <u></u>		Add'l Fax #: <u></u>																											

Attachment V
NMOCD Form C-141 Closure Page

Form C-141

Page 6

State of New Mexico
Oil Conservation Division

Incident ID	nJXK1613932012
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: Dennis Pender Title: EnvironmentalSignature:  Date: 9-20-2022email: dpender@gwdc.com Telephone: 432-682-5241 x 141**OCD Only**Received by: OCD Date: 10/24/2022

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:  Date: 2/16/2023Printed Name: Ashley Maxwell Title: Environmental Specialist

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 153168

CONDITIONS

Operator: GREAT WESTERN DRILLING CO P.O. Box 1659 Midland, TX 79701	OGRID: 9338
	Action Number: 153168
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	2/16/2023