



05/22/2023 11:51

CARMONA RESOURCES



SITE INFORMATION

**Site Assessment Report
James O'Neill
Lea County, New Mexico
Unit E Sec 07 T15S R35E
33.033572°, -103.454138°**

CARMONA RESOURCES



**Prepared for:
Fasken Oil and Ranch, Ltd
6101 Holiday Hill Road
Midland, TX 79707**

**Prepared by:
Carmona Resources, LLC
310 West Wall Street
Suite 500
Midland, Texas 79701**

310 West Wall Street, Suite 500
Midland TX, 79701
432.813.1992



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May 11, 2023

Environmental Compliance Office
Surface Resources Division
New Mexico State Land Office

**Re: Closure Report
James O'Neill
Fasken Oil and Ranch, Ltd
Site Location: Unit E, S07, T15S, R35E
(Lat 33.033572°, Long -103.454138 °)
Lea County, New Mexico**

To whom it may concern:

On behalf of Fasken Oil and Ranch, Ltd, Carmona Resources, LLC has prepared this letter to document the James O'Neill site activities. The site is located at 33.033572°, -103.454138 ° within Unit E, S07, T15S, R35E, in Lea County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on site visits and email correspondence before reclamation activities, multiple areas of impacted surface material were documented on the pad inside the tank battery facility. Fasken agreed to remove the impacted material. Before conducting reclamation activities, Fasken excavated the small areas and, based on field observation, expanded the excavation to remove more impacted material to aid in the vegetation growth than initially agreed upon. Once the excavation was complete, Fasken proceeded with the reclamation of the James O'Neill pad and lease road.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, five known water source is within a 0.50-mile radius of the location. The nearest identified well is located approximately 0.39 miles Southeast of the site in S07, T15S, R35E and was drilled in 1983. The well has a reported depth to groundwater of 75' below ground surface (ft bgs). A copy of the associated Point of Diversion Summary report is attached in Appendix D.

On April 20, 2022, Scarborough Drilling, Inc was onsite to drill a groundwater determination bore to 51 ft below ground surface and within a 0.50-mile radius of the location. The bore was left open for 72 hours and tagged with a water level meter. No water was detected at 51' below the surface. The coordinates for the groundwater determination bore are 33.029823°, -103.453124. See Appendix D for the driller's log.

3.0 NMAC Regulatory Criteria

Per the NMOCD regulatory criteria established in 19.15.29.12 NMAC, the following criteria were utilized in assessing the site.

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 100 mg/kg (GRO + DRO + MRO).
- Chloride: 600 mg/kg.

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432.813.1992

4.0 Remediation Activities

Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. A total of six (6) floor samples were collected (CS-1 through CS-6), ranging from depths of 1.0' to 4.0' (bgs), to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and sample locations are shown in Figure 3.

All samples were below the regulatory requirements for TPH, BTEX, and chloride. Refer to Table 1.

5.0 Reclamation Activities

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 1,380 cubic yards of material were excavated and transported offsite for proper disposal.

The reclaimed pad and lease road areas contained appropriate material to establish 50% vegetation growth at the site. The ripped areas were seeded on April 25, 2023. The appropriate pounds of pure live seed per acre were used. The seed mixture was spread by a tractor and a seed drill equipped with a depth regulator. The seed mixture used was the SLO Coarse mixture, as requested by the SLO (See attachments in Appendix C) upon the request from the SLO after a site visit to check the process. Fasken removed large rocks in the ripped areas to help aid vegetation growth.

6.0 Conclusions

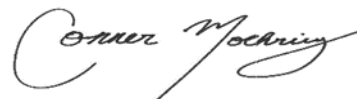
Based on the assessment results and the analytical data, no further actions are required at the site. If you have any questions regarding this report or need additional information, please get in touch with us at 432-813-1992.

Sincerely,

Carmona Resources, LLC



Mike Carmona
Environmental Manager

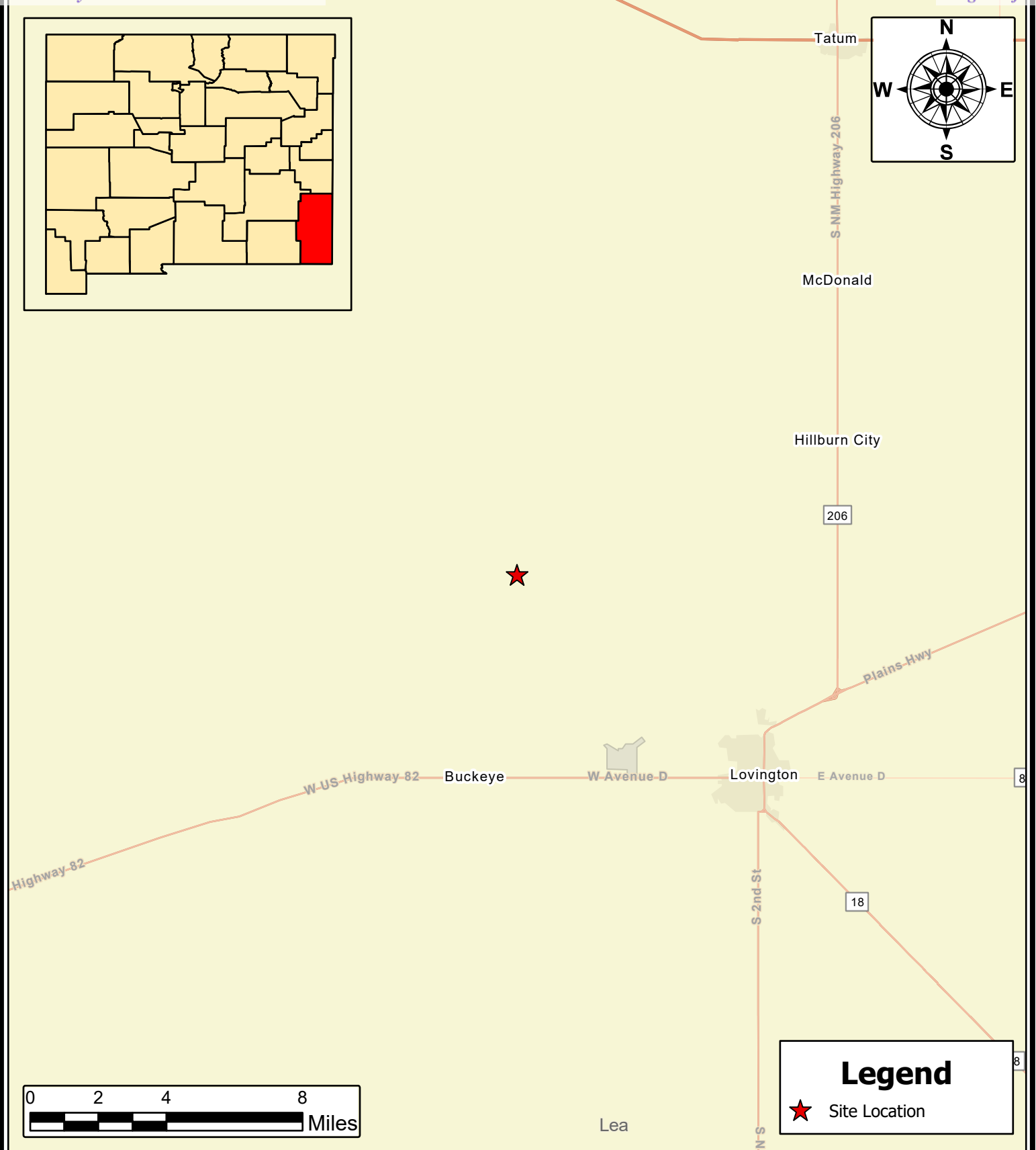


Conner Moehring
Sr. Project Manager


FIGURES

CARMONA RESOURCES



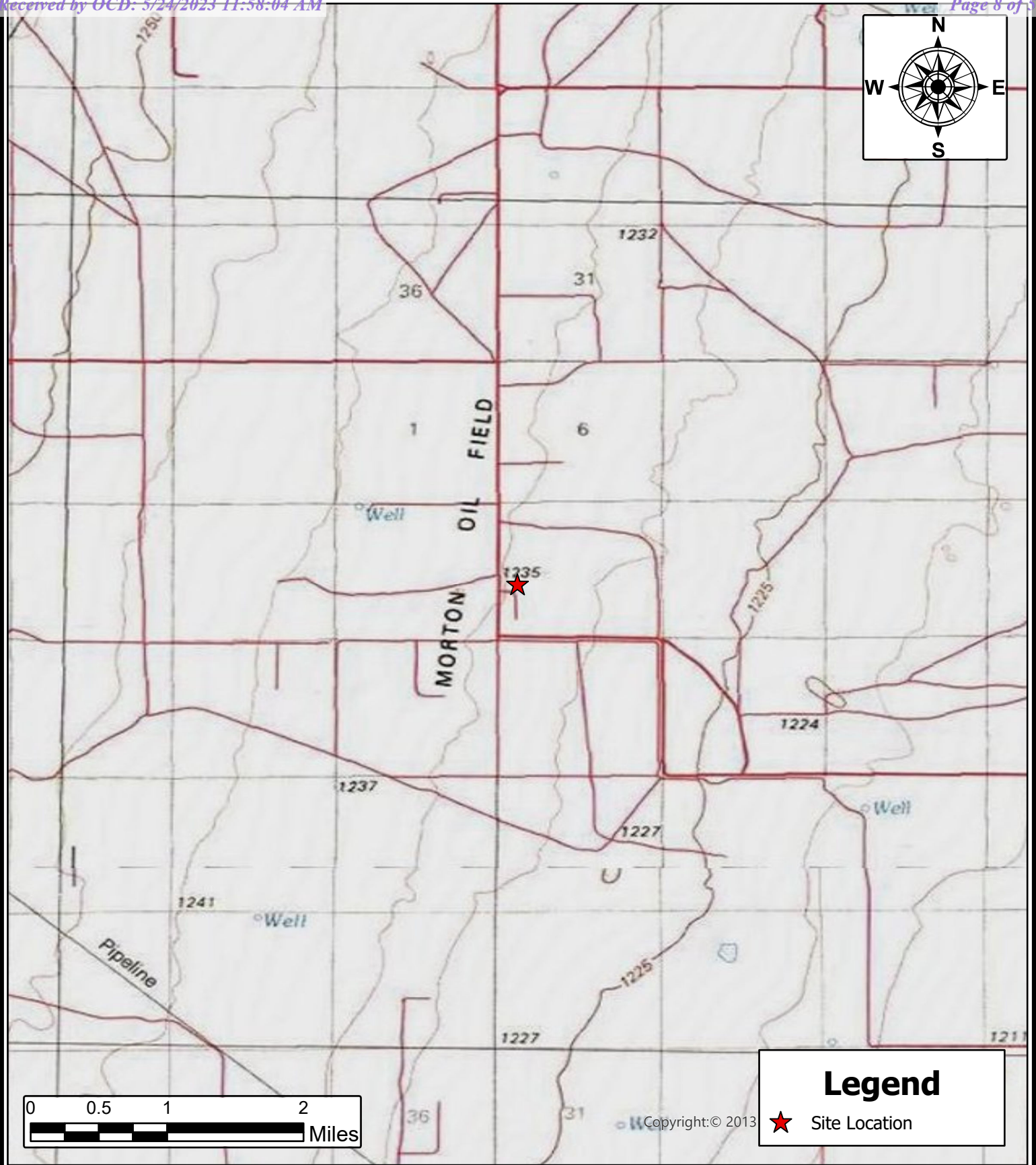


OVERVIEW MAP FASKIN OIL AND RANCH JAMES O'NEILL LEA COUNTY, NEW MEXICO 33.033572, -103.454138	
SCALE: As Shown	Date: 5/5/2022

CARMONA RESOURCES  Carmona Resources 310 West Wall Street, Suite 500 Midland, Texas 79701

NOTES: 1. Base Image: ESRI Maps & Data 2013 2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:
FIGURE 1
SHEET NUMBER:
1 of 1

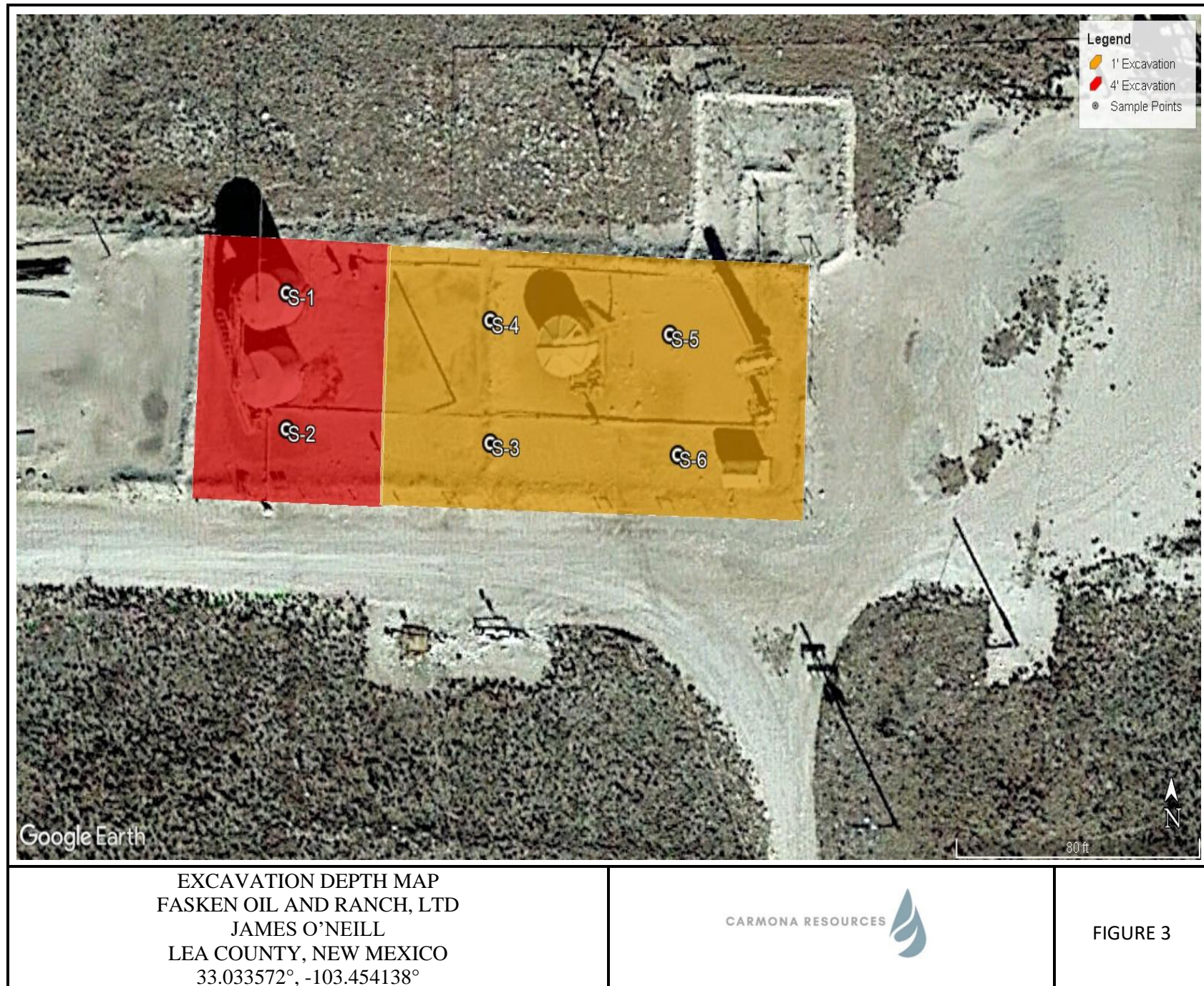


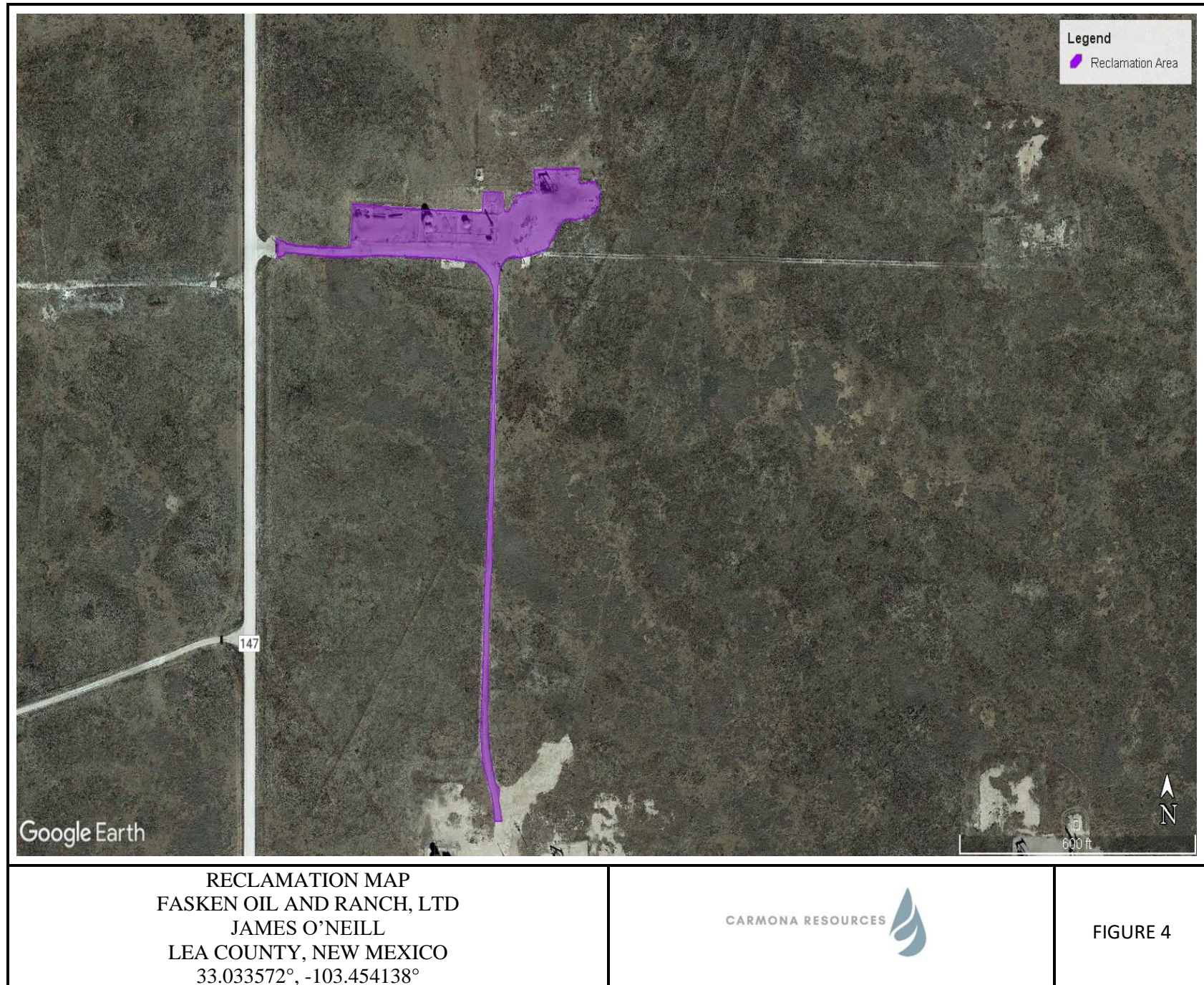
TOPOGRAPHIC MAP FASKIN OIL AND RANCH JAMES O'NEILL LEA COUNTY, NEW MEXICO 33.033572, -103.454138	
SCALE: As Shown	Date: 5/5/2022

 Carmona Resources 310 West Wall Street, Suite 500 Midland, Texas 79701
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NOTES: 1. Base Image: ESRI Maps & Data 2013 2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER: FIGURE 2
SHEET NUMBER: 1 of 1





APPENDIX A

CARMONA RESOURCES



Table 1
Fasken Oil and Ranch
James O'Neill
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	3/24/2023	4.0	<10.0	59.8	<10.0	59.8	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
S-2	3/24/2023	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
S-3	3/24/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
S-4	3/24/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
S-5	3/24/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
S-6	3/24/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
Regulatory Criteria^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(S) Sample Point

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Fasken Oil and Ranch

Photograph No. 1

Facility: James O'Neill

County: Lea County, New Mexico

Description:

View North, area of the tank battery facility.



Photograph No. 2

Facility: James O'Neill

County: Lea County, New Mexico

Description:

View North, area of the tank battery facility.



Photograph No. 3

Facility: James O'Neill

County: Lea County, New Mexico

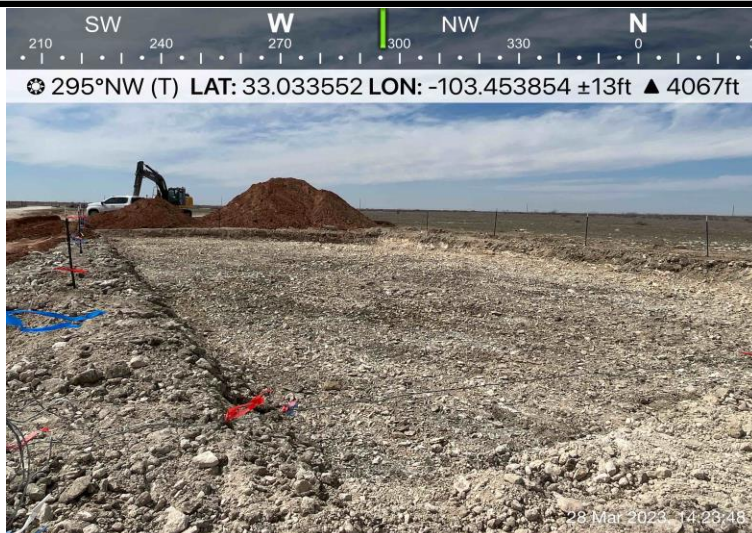
Description:

View East, area of S-1 and S-2.



PHOTOGRAPHIC LOG**Fasken Oil and Ranch****Photograph No. 4****Facility:** James O'Neill**County:** Lea County, New Mexico**Description:**

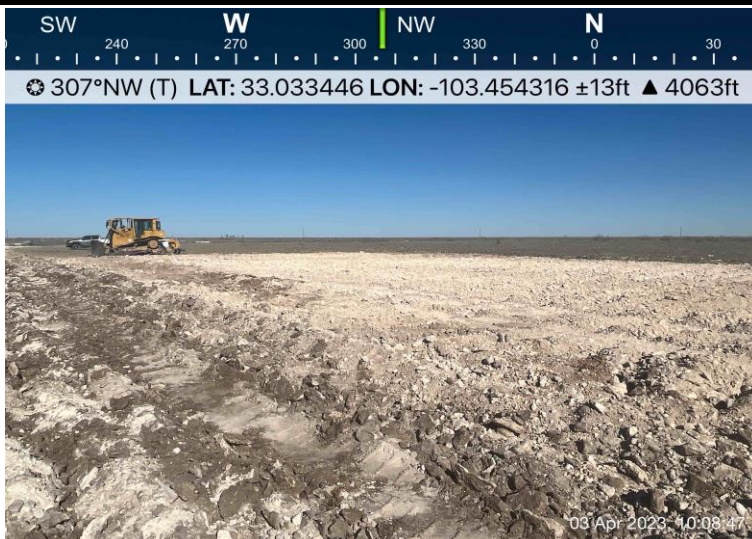
View Northwest, areas S-1 and S-2.

**Photograph No. 5****Facility:** James O'Neill**County:** Lea County, New Mexico**Description:**

View East, areas of S-3, S-4, S-5, and S-6.

**Photograph No. 6****Facility:** James O'Neill**County:** Lea County, New Mexico**Description:**

View Northwest area of Reclaimed pad.



PHOTOGRAPHIC LOG**Fasken Oil and Ranch****Photograph No. 7****Facility:** James O'Neill**County:** Lea County, New Mexico**Description:**

View East, area of ripped pad.

**Photograph No. 8****Facility:** James O'Neill**County:** Lea County, New Mexico**Description:**

View of the seed being loaded into the seed drill.

**Photograph No. 9****Facility:** James O'Neill**County:** Lea County, New Mexico**Description:**

View southwest, of the reactor seeding the ripped lease road and pad.



PHOTOGRAPHIC LOG**Fasken Oil and Ranch****Photograph No. 10****Facility:** James O'Neill**County:** Lea County, New Mexico**Description:**

View Southwest, area of reseeded excavation and reclaimed pad.



APPENDIX C

CARMONA RESOURCES



From: Mike Carmona
Sent: Tuesday, November 8, 2022 9:51 AM
To: Grant Huckabay
Cc: Addison Guelker; Conner Moehring
Subject: RE: SW-114, Cabot Q State #1, 30-025-02690 NM SLO remediation RE: Morton Field Reclamation

Grant,

When is a good time for you to meet me on location? I'm tied up this week but free anytime next week.

Mike J. Carmona
310 West Wall Street, Suite 415
Midland TX, 79701
M: 432-813-1992
Mcarmona@carmonaresources.com



From: [Grant Huckabay](#)
Sent: Tuesday, November 8, 2022 9:40 AM
To: [Mike Carmona](#)
Cc: [Addison Guelker](#)
Subject: FW: SW-114, Cabot Q State #1, 30-025-02690 NM SLO remediation RE: Morton Field Reclamation

Mike,

The SLO and Fasken have come to an agreement on reclamation procedures and the SLO has approved the original remediation plan for the Cabot. Please see below. Let's start getting a revised cost estimate. It might be worth making a site visit before revising your cost estimate. If you can, I might be able to meet you out there. Let me know if you have any questions. Thanks.

Grant

From: Griffin, Becky R. <bgriffin@slo.state.nm.us>
Sent: Monday, November 7, 2022 3:47 PM
To: Grant Huckabay <granth@forl.com>
Cc: Barnes, Will <wbarnes@slo.state.nm.us>; Biernoff, Ari <abiernoff@slo.state.nm.us>
Subject: FW: SW-114, Cabot Q State #1, 30-025-02690 NM SLO remediation RE: Morton Field Reclamation

Grant,

Thank you for submitting the additional reclamation plans we discussed and have agreed upon. Below is a list of the original plans that are also included in the agreed plan.

- Removing any surface staining and taking confirmation samples to ensure this impacted material has been removed.
- Utilizing rippers on a dozer to rip the locations and roads.
- Seed the locations and roads.
- Monitor for vegetation.

I have attached the seed mixture for these locations.

I look forward to working with you on these sites. When you have a start date in mind let me know. Please let me know if you have any questions.

Thank you,

Becky

From: Grant Huckabay <granth@forl.com>

Sent: Tuesday, November 1, 2022 3:46 PM

To: Griffin, Becky R. <bgriffin@slo.state.nm.us>

Cc: Addison Guelker <addisong@forl.com>; Barnes, Will <wbarnes@slo.state.nm.us>; Biernoff, Ari <abiernoff@slo.state.nm.us>

Subject: [EXTERNAL] RE: SW-114, Cabot Q State #1, 30-025-02690 NM SLO remediation RE: Morton Field Reclamation

Becky,

Per our conversation today we discussed the following.

Fasken will haul off all pea gravel inside the bermed areas at the batteries. Any bermed caliche that we cannot contour into the pad and then rip, we will haul off.

The fluff material we will take a 5 point composite every 600 square feet. We will wait on you to send us example pictures of this fluff material. The stained areas we will obtain grab samples based on our discretion.

The roads and locations for the James O'Neil Battery, James O'Neill No. 1, Superior State No. 2, Superior State No. 1 and Superior State Battery will be ripped and seeded. Any areas that need additional fill, we will bring top soil in. You will send us the native rangeland seed mixture we will seed with. Once these areas are seeded, monitoring will be conducted for vegetation growth to 50% growth.

The SLO has approved the work plan for the Cabot Q SWD (Incident ID nAPP2213946329) spill remediation.

All power lines will be removed. After further research Fasken will be getting a hold of Lea County Electric to remove these power lines as this electric infrastructure belongs to them.

To answer your question, the riser south of the road from the James O' Neill Battery belongs to Targa Resources.

To answer your question, we did find out the Superior A State #1 road (south of the Superior State Battery) did belong to Fasken. I don't believe it was ever ripped and seeded. We will rip and seed the road.

Let me know if you have any questions.

Thanks,



Grant Huckabay
6101 Holiday Hill Road
Midland, TX 79707
Office: 432.687.1777
Cell: 432.288.5529
granth@forl.com

From: Grant Huckabay
Sent: Tuesday, November 1, 2022 8:23 AM
To: Griffin, Becky R. <bgriffin@slo.state.nm.us>
Cc: Addison Guelker <addisong@forl.com>; Barnes, Will <wbarnes@slo.state.nm.us>; Biernoff, Ari <abiernoff@slo.state.nm.us>
Subject: RE: SW-114, Cabot Q State #1, 30-025-02690 NM SLO remediation RE: Morton Field Reclamation

Becky,

Are there any updates or is there anything additional you need from us?

Thanks,



Grant Huckabay
6101 Holiday Hill Road
Midland, TX 79707
Office: 432.687.1777
granth@forl.com

NMSLO Seed Mix**Coarse (CS)****COARSE (CS) SITES SEED MIXTURE:**

COMMON NAME	VARIETY	APPLICATION RATE (PLS/Acre)	DRILL BOX
<u>Grasses:</u>			
Sand bluestem	VNS, Southern	2.0	F
Sideoats grama	Vaughn, El Reno	2.0	F
Blue grama	Hachita, Lovington	1.5	D
Little bluestem	Cimmaron, Pastura	1.5	F
Sand dropseed	VNS, Southern	1.0	S
Plains bristlegrass	VNS, Southern	0.75	D
<u>Forbs:</u>			
Parry penstemon	VNS, Southern	1.0	D
Desert globemallow	VNS, Southern	1.0	D
White prairieclover	Kaneb, VNS	0.5	D
Sulfur buckwheat	VNS, Southern	0.5	D
<u>Shrubs:</u>			
Fourwing saltbush	VNS, Southern	1.0	D
Skunkbush sumac	VNS, Southern	1.0	D
Common winterfat	VNS, Southern	1.0	F
Fringed sagewort	VNS, Southern	0.5	F
Total PLS/acre		18.25	

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

- VNS, Southern – No Variety Stated, seed should be from a southern latitude collection of this species.
- Double above seed rates for broadcast or hydroseeding.
- If Parry is not available, substitute firecracker penstemon.
- If desert globemallow is not available, substitute scarlet globemallow.
- If one species is not available, provide a suggested substitute to the New Mexico Land Office for approval. Increasing all other species proportionately may be acceptable.

APPENDIX D


CARMONA RESOURCES





NEAREST WATER WELLS


Fasken Oil and Ranch


Legend


 0.27 Miles


 0.39 Miles


 0.44 Miles


 0.50 Mile Radius


 0.52 Miles

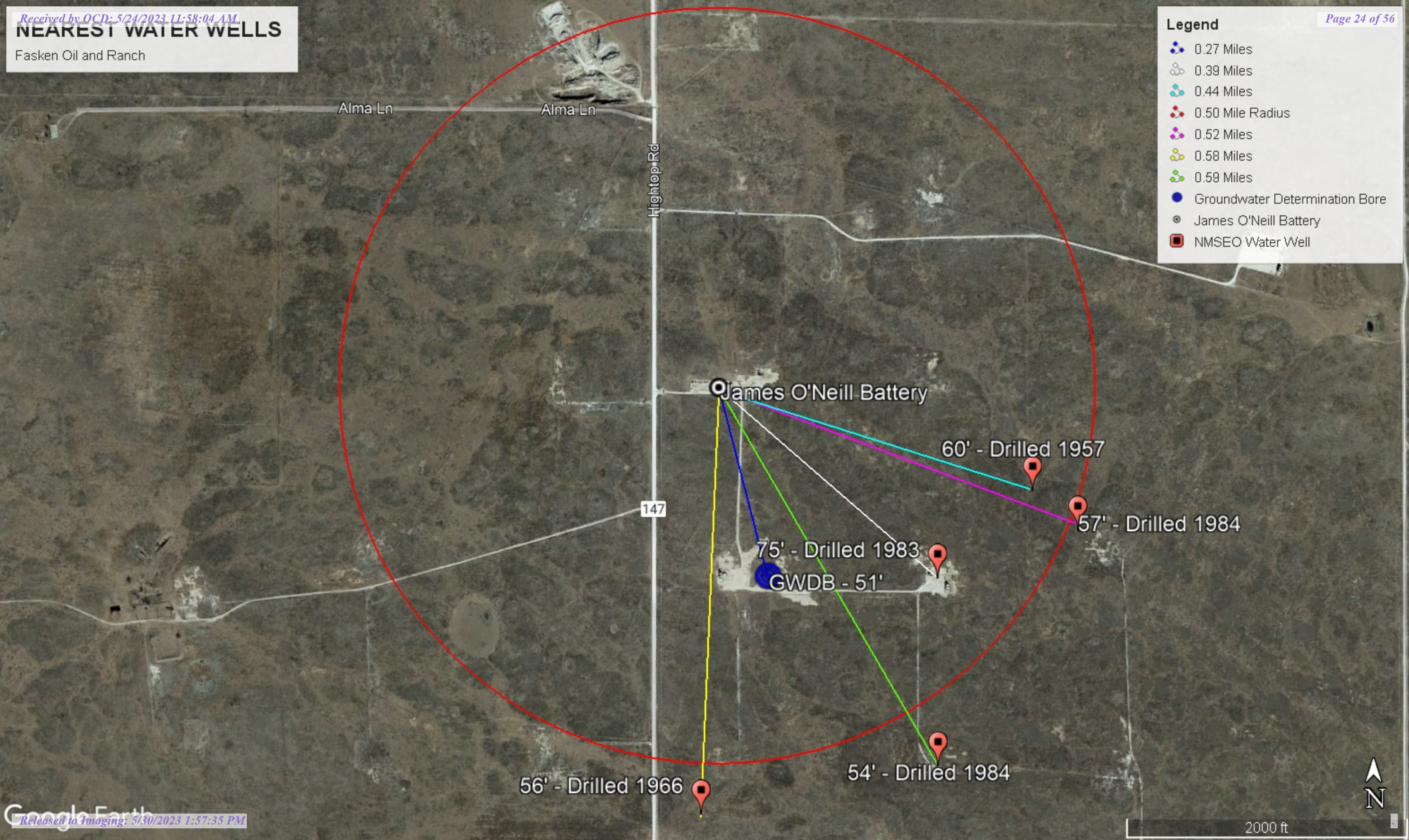
 0.58 Miles

 0.59 Miles

 Groundwater Determination Bore

 James O'Neill Battery

 NMSEO Water Well

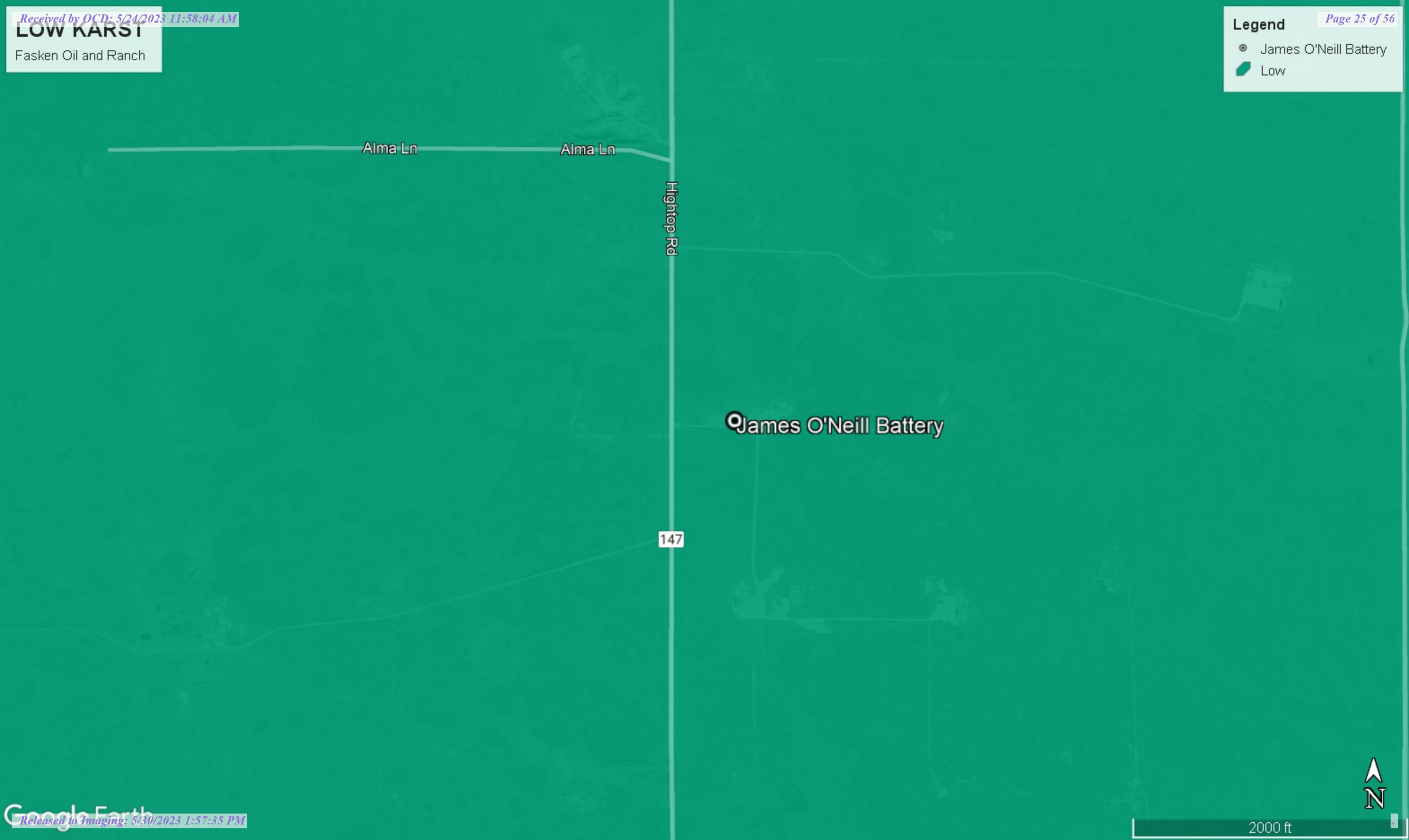


LOW KARST

Fasken Oil and Ranch

Legend

- James O'Neill Battery
- Low





Project Name :

Fasken Oil and Ranch Superior State #2

Date : Wednesday, April 20, 2022

Project No. :

1044

Sampler : Lane Scarborough

Location :

Lea County, New Mexico

Coordinates :












33.029823, -103.453124

Driller : Scarborough Drilling

Elevation :

4,047

Method : Air Rotary

Depth (ft.)	WL	Soil Description	Lithology	Depth (ft.)	WL	Soil Description	Lithology
0		(0'-1') - White well graded gravel, w/ <50% loose, coarse sand and caliche, no organics, dry (GW).		50		(50'-51') - Light brown well graded gravel, w/ <50% loose, coarse sand and caliche, no organics, dry (GM).	
5		(5') - Light brown well graded gravel, w/ <50% loose, coarse sand and caliche, no organics, dry (GM).		55			
10		(10') - Light brown well graded gravel, w/ <50% loose, coarse sand and caliche, no organics, dry (GM).		60			
15		(15') - Light brown well graded gravel, w/ <50% loose, coarse sand and caliche, no organics, dry (GM).		65			
20		(20') - Light brown well graded gravel, w/ <50% loose, coarse sand and caliche, no organics, dry (GM).		70			
25		(25') - Light brown well graded gravel, w/ <50% loose, coarse sand and caliche, no organics, dry (GM).		75			
30		(30') - Light brown well graded gravel, w/ <50% loose, coarse sand and caliche, no organics, dry (GM).		80			
35		(35') - Light brown well graded gravel, w/ <50% loose, coarse sand and caliche, no organics, dry (GM).		85			
40		(40') - Light brown well graded gravel, w/ <50% loose, coarse sand and caliche, no organics, dry (GM).		90			
45		(45') - Light brown well graded gravel, w/ <50% loose, coarse sand and caliche, no organics, dry (GM).		95			
50				105			

Comments : Boring terminated at 51' with no presence of groundwater or moisture.

72 hours later no presence of groundwater was detected



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(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-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
L 00110	R	L	LE	4	3	35	15S	35E		651384	3648949*	82	70	12
L 00110 POD3		L	LE	3	4	1	35	15S	35E	651270	3649653*	95	45	50
L 00110 POD4	R	L	LE	1	1	3	35	15S	35E	650874	3649443*	110	55	55
L 00110 POD5		L	LE	2	4	1	35	15S	35E	651470	3649853*	110	55	55
L 00110 POD6		L	LE	4	3	35	15S	35E		651384	3648949*	132	70	62
L 00110 S		L	LE	3	3	1	35	15S	35E	650867	3649646*	100		
L 00110 S	R	L	LE	3	3	1	35	15S	35E	650867	3649646*	100		
L 00439		L	LE	1	1	1	35	15S	35E	650861	3650249*	100		
L 00439 POD2		L	LE	1	1	35	15S	35E		650962	3650150*	120	40	80
L 00534		L	LE	1	1	2	36	15S	35E	653278	3650292*	105		
L 00534	R	L	LE	1	1	2	36	15S	35E	653278	3650292*	105		
L 00534 POD2	R	L	LE		1	36	15S	35E		652781	3649976*	110	50	60
L 00534 POD3		L	LE		1	36	15S	35E		652781	3649976*	130	55	75
L 00534 POD3	R	L	LE		1	36	15S	35E		652781	3649976*	130	55	75
L 00534 POD4		L	LE	1	1	1	36	15S	35E	652472	3650277*	187	55	132
L 00534 POD4	R	L	LE	1	1	1	36	15S	35E	652472	3650277*	187	55	132
L 00534 POD5		L	LE	3	2	36	15S	35E		653386	3649790*	130	68	62
L 00534 POD5	R	L	LE	3	2	36	15S	35E		653386	3649790*	130	68	62
L 00534 POD6		L	LE	3	1	36	15S	35E		652580	3649775*	153	62	91
L 00534 POD6	R	L	LE	3	1	36	15S	35E		652580	3649775*	153	62	91
L 00535		L	LE	1	1	1	36	15S	35E	652472	3650277*	105	56	49
L 00535	R	L	LE	1	1	1	36	15S	35E	652472	3650277*	105	56	49
L 00627		L	LE	4	2	4	31	15S	35E	645838	3649144*	70	55	15
L 00627 POD3		L	LE	1	1	3	32	15S	35E	646041	3649352*	90	60	30
L 00627 S		L	LE	2	1	4	31	15S	35E	645435	3649337*			
L 00674		L	LE	1	3	3	35	15S	35E	650880	3649041*	69	65	4

*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		Q Q Q							X	Y	Depth Well	Depth Water	Water Column		
	Sub-Code	basin	County	64	16	4	Sec	Tws	Rng							
L 00797 POD2		L	LE	1	1	03	15S	35E	649227	3658168*		126	40	86		
L 00797 POD3		R	L	LE	3	1	3	02	15S	35E	650746	3657295*		135	70	65
L 00797 POD4		L	LE	2	4	4	03	15S	35E	650549	3657084*		138	40	98	
L 00797 POD5		L	LE	1	3	02	15S	35E	650847	3657396*		136	75	61		
L 00797 S		L	LE		1	03	15S	35E	649433	3657967*		130	49	81		
L 01074		L	LE	1	3	3	35	15S	35E	650880	3649041*		79	45	34	
L 01165 POD1		L	LE	3	4	3	02	15S	35E	651154	3656900*		90	70	20	
L 01167 POD1		L	LE	3	4	3	02	15S	35E	651154	3656900*		105	90	15	
L 01168 POD1		L	LE	1	1	2	03	15S	35E	649930	3658283*		90	70	20	
L 01169 POD1		L	LE	3	1	3	04	15S	35E	647526	3657232*		90	70	20	
L 01170 POD1		L	LE	1	1	4	08	15S	35E	646746	3655806*		90	70	20	
L 01699 POD2		L	LE	2	3	4	36	15S	35E	653499	3649084*		100	53	47	
L 01700 POD1		L	LE	2	3	4	36	15S	35E	653499	3649084*		90	60	30	
L 01726		L	LE	2	2	33	15S	35E	648946	3650110*		125	60	65		
L 01727		L	LE	1	1	33	15S	35E	647739	3650088*		130	60	70		
L 01727		R	L	LE	1	1	33	15S	35E	647739	3650088*		130	60	70	
L 01728		L	LE	1	1	28	15S	35E	647714	3651699*		100	45	55		
L 01728		R	L	LE	1	1	28	15S	35E	647714	3651699*		100	45	55	
L 01729		L	LE	1	4	35	15S	35E	651781	3649359*		210	58	152		
L 01729		R	L	LE	1	4	35	15S	35E	651781	3649359*		210	58	152	
L 01730		L	LE		4	36	15S	35E	653601	3649186*		210	60	150		
L 01730		R	L	LE		4	36	15S	35E	653601	3649186*		210	60	150	
L 01731		L	LE	3	1	21	15S	35E	647695	3652906*		100	42	58		
L 01731		R	L	LE	3	1	21	15S	35E	647695	3652906*		100	42	58	
L 01795		L	LE	4	2	1	03	15S	35E	649728	3658075*		127	62	65	
L 02957		L	LE	3	1	33	15S	35E	647745	3649686*		120	65	55		
L 03018		L	LE	1	3	33	15S	35E	647752	3649283*		116	50	66		
L 03058		L	LE	3	3	31	15S	35E	644525	3648820*		85	71	14		
L 03083		L	LE	3	3	31	15S	35E	644525	3648820*		85	73	12		

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(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
L 03122	L	LE		4	2	3	32	15S	35E	646643	3649159*	138	70	68
L 03129	L	LE					07	15S	35E	645037	3655857*	120	60	60
L 03141	L	LE		2	3	3	31	15S	35E	644624	3648919*	130	65	65
L 03220	L	LE			3	3	12	15S	35E	652489	3655412*	110	50	60
L 04427	L	LE			4	2	22	15S	35E	650513	3652960*	125	55	70
L 04614	L	LE		4	2	2	25	15S	35E	653854	3651710*	95	63	32
L 04784	L	LE		2	4	4	25	15S	35E	653875	3650702*	90	58	32
L 04894	L	LE			3	3	25	15S	35E	652566	3650580*	95	52	43
L 04900	L	LE		3	1	3	25	15S	35E	652458	3650882*	105	55	50
L 04900 X	L	LE		3	2	3	25	15S	35E	652861	3650890*	160	72	88
L 04923	L	LE		4	4	1	12	15S	35E	652963	3656057	115	64	51
L 04923 S	L	LE		3	4	2	11	15S	35E	651962	3656130	120	100	20
L 04934	L	LE				1	01	15S	35E	652653	3658029*	100	48	52
L 04934 S	L	LE		3	3	2	01	15S	35E	653155	3657741*	89	49	40
L 04934 S2	L	LE			3		01	15S	35E	652664	3657223*	100	45	55
L 04972	L	LE					03	15S	35E	649845	3657564*	124	45	79
L 05215	L	LE			4	2	01	15S	35E	653659	3657849*	60	44	16
L 05469	L	LE		4	2	4	34	15S	35E	650670	3649236*	134	68	66
L 05817	L	LE			2	2	36	15S	35E	653782	3650201*	128	65	63
L 05988	L	LE			4	4	25	15S	35E	653776	3650603*	90	60	30
L 06042	L	LE			3	3	33	15S	35E	647758	3648881*	92	52	40
L 06046	L	LE		3	3	3	07	15S	35E	644333	3655153*	104	56	48
L 06158	L	LE			3	4	27	15S	35E	650149	3650536*	118	46	72
L 06376	L	LE			2	1	06	15S	35E	644801	3658080*	120	58	62
L 06716	L	LE				4	28	15S	35E	648738	3650707*	90	55	35
L 06739	L	LE		2	4	4	01	15S	35E	653769	3657142*	92	51	41
L 06755	L	LE		2	4	3	04	15S	35E	648134	3657037*	130	51	79
L 06991	L	LE		4	1	3	24	15S	35E	652631	3652493*	120	50	70
L 07136	L	LE			1	2	13	15S	35E	653301	3655024*	120	58	62

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(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
L 07358	L	LE		4	34	15S	35E			650375	3649127*	73	55	18
L 07413	L	LE		1	3	28	15S	35E		657262	3651057	100	65	35
L 07413	R	L	LE	1	3	28	15S	35E		657262	3651057	100	65	35
L 07508	L	LE		4	2	33	15S	35E		648953	3649708*	95	61	34
L 07753	L	LE		4	2	3	27	15S	35E	649838	3650830*	143	56	87
L 08143	L	LE		4	3	35	15S	35E		651384	3648949*	130	52	78
L 08530 POD2	L	LE		1	1	2	13	15S	35E	652312	3655137	146	58	88
L 08542	L	LE		2	1	3	13	15S	35E	653252	3654659	141	58	83
L 08849	L	LE		4	4	3	35	15S	35E	651483	3648848*	114	61	53
L 09369	L	LE		1	1	3	13	15S	35E	652459	3655967	102	58	44
L 09372	L	LE		2	3	07	15S	35E		644835	3655666*	150	75	75
L 09523	L	LE		1	1	4	07	15S	35E	645136	3655773*	140	57	83
L 09555	L	LE		4	3	07	15S	35E		644842	3655263*	150	54	96
L 09582	L	LE		1	1	35	15S	35E		650962	3650150*	99	65	34
L 09817	L	LE		4	1	32	15S	35E		646538	3649663*	130	65	65
L 09856	L	LE		3	3	1	16	15S	35E	647569	3654415*	150	65	85
L 09897	L	LE				27	15S	35E		649945	3651123*	190	55	135
L 09900	L	LE				35	15S	35E		651584	3649545*	110		
L 10000	L	LE				35	15S	35E		651584	3649545*	125	64	61
L 10036	L	LE		1		35	15S	35E		651169	3649948*	140	70	70
L 10039	R	L	LE	2		13	15S	35E		653509	3654823*	82	60	22
L 10039 POD2	L	LE		1	3	2	13	15S	35E	653229	3654638	195	65	130
L 10114	L	LE		4	3	2	05	15S	35E	646846	3657698	175		
L 10120	L	LE		3	4	2	34	15S	35E	650464	3649638*	126	54	72
L 10243	L	LE		3	3	4	33	15S	35E	648462	3648794*	120	69	51
L 10287	R	L	LE	1	4	19	15S	35E		645287	3652456*	180	60	120
L 10287 POD2	L	LE		1	1	4	19	15S	35E	645186	3652555*	182	56	126
L 10307	L	LE		2	2	2	36	15S	35E	653881	3650300*	120	120	0
L 10308	L	LE		2	2	36	15S	35E		653782	3650201*	120	120	0

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POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
L 10357	L	LE		1	4	1	35	15S	35E	651270	3649853*	120	55	65
L 10372	L	LE				3	35	15S	35E	651182	3649143*	100	55	45
L 10381	L	LE			3	4	30	15S	35E	645317	3650445*	175	60	115
L 10441	L	LE		1	4	3	35	15S	35E	651283	3649048*	100	55	45
L 10522	L	LE			3	2	36	15S	35E	653386	3649790*	150	65	85
L 10563	L	LE		3	1	2	05	15S	35E	646711	3658021*	175	65	110
L 10636	L	LE		2	2	1	35	15S	35E	651464	3650256*	92	58	34
L 10670	L	LE			4	2	36	15S	35E	653789	3649798*	100	62	38
L 10674	L	LE			3	3	35	15S	35E	650981	3648942*	115		
L 10754	L	LE				1	35	15S	35E	651169	3649948*	150	60	90
L 10796	L	LE		4	3	1	28	15S	35E	647819	3651195*	180	70	110
L 10843	L	LE			4	2	36	15S	35E	653789	3649798*	130	69	61
L 10851	L	LE				2	36	15S	35E	653587	3649991*	100	60	40
L 10935	L	LE					35	15S	35E	651584	3649545*	120	60	60
L 11040	L	LE		3	1	1	35	15S	35E	650861	3650049*	100	55	45
L 11187	L	LE			4	2	36	15S	35E	653789	3649798*	110	62	48
L 11221	L	LE		2	1	1	33	15S	35E	647838	3650187*	176		
L 11246	L	LE		2	1	2	13	15S	35E	653291	3654603	208	50	158
L 11251	L	LE		4	4	1	34	15S	35E	649857	3649622*	155		
L 11266	L	LE		2	4	2	32	15S	35E	647352	3649825	170		
L 11350	L	LE			3	2	36	15S	35E	653386	3649790*	200	57	143
L 11364	L	LE			1	1	35	15S	35E	650962	3650150*	180	55	125
L 11400	L	LE		3	4	3	01	15S	35E	652764	3656928*	178	55	123
L 11612	L	LE		3	2	3	35	15S	35E	651277	3649250*	100	54	46
L 11660	L	LE		3	4	1	14	15S	35E	651144	3654584	172	48	124
L 12194 POD1	L	LE		3	2	1	35	15S	35E	651328	3650154	200		
L 12301 POD1	L	LE		3	3	3	35	15S	35E	650858	3648951	123	54	69
L 12313 POD1	L	LE		3	2	1	35	15S	35E	651307	3650141	200		
L 12416 POD1	L	LE		4	2	4	36	15S	35E	653839	3649354	120	62	58

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POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
L 12427 POD1	L	LE		2	4	2	36	15S	35E	653864	3649839	160	75	85
L 12540 POD1	L	LE		2	4	3	36	15S	35E	654086	3649106	175		
L 12603 POD1	L	LE		1	2	4	36	15S	35E	653636	3649533	140	59	81
L 12627 POD1	L	LE		4	4	4	01	15S	35E	653731	3656869	190	80	110
L 12634 POD1	L	LE		1	2	4	35	15S	35E	652103	3649398	150	78	72
L 12741 POD1	L	LE		2	3	4	36	15S	35E	653500	3649076	161	70	91
L 12752 POD1	L	LE		2	3	1	35	15S	35E	669401	3665038	200	114	86
L 12802 POD1	L	LE		4	1	2	36	15S	35E	653428	3650007	160	82	78
L 12844 POD1	L	LE		4	4	4	35	15S	35E	652301	3648878	150	60	90
L 12850 POD1	L	LE		3	3	4	35	15S	35E	651618	3648864	140	59	81
L 12897 POD1	L	LE		1	4	3	36	15S	35E	654181	3648803	210	54	156
L 12960 POD1	L	LE		4	3	3	36	15S	35E	652591	3648898	160	80	80
L 12975 POD1	L	LE		3	4	4	35	15S	35E	652007	3648867	110	57	53
L 13126 POD1	L	LE		1	3	3	36	15S	35E	652472	3649395	160	50	110
L 13160 POD1	L	LE		1	2	3	36	15S	35E	652915	3649473	160	53	107
L 13173 POD1	L	LE				2	33	15S	35E	648540	3650040	28		
L 13173 POD2	L	LE				2	33	15S	35E	648524	3650040	38		
L 13177 POD1	L	LE		2	3	2	36	15S	35E	653770	3649406	160	70	90
L 13218 POD1	L	LE		1	1	3	34	15S	35E	649278	3649385	70		
L 13218 POD2	L	LE		4	1	3	34	15S	35E	649441	3649314	70		
L 13218 POD3	L	LE		2	1	3	34	15S	35E	649425	3649370	72		
L 13218 POD4	L	LE		3	1	3	34	15S	35E	649314	3649240	68		
L 13218 POD5	L	LE		3	1	3	34	15S	35E	649401	3649266	70		
L 13218 POD6	L	LE		3	1	2	34	15S	35E	649507	3649343	70		
L 13282 POD1	L	LE		4	3	3	35	15S	35E	650975	3648829	211		
L 13283 POD1	L	LE		4	1	4	36	15S	35E	653483	3649396	160	60	100
L 13299 POD1	L	LE		3	3	1	35	15S	35E	650815	3649579	160	70	90
L 13339 POD1	L	LE		3	2	2	07	15S	35E	645559	3656331	21		
L 13448	L	LE		3	4	4	35	15S	35E	652115	3648949	202	60	142

























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(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
L 13460 POD 1	L	LE	1	2	3	23	15S	35E	651547	3653133		155	60	95
L 13562 POD1	L	LE	2	2	2	36	15S	35E	653876	3650264		150	63	87
L 13580 POD1	L	LE	2	3	4	35	15S	35E	651583	3649095		168	70	98
L 13596 POD1	L	LE	4	3	4	35	15S	35E	651815	3648904		164	70	94
L 13702 POD1	L	LE	2	2	4	35	15S	35E	652206	3649471		167	70	97
L 13729 POD1	L	LE	4	1	2	33	15S	35E	648575	3650007		65		
L 13774 POD1	L	LE	1	3	4	35	15S	35E	651630	3649147		168	70	98
L 13956 POD1	L	LE	1	3	4	35	15S	35E	651725	3648971		170	60	110
L 14040 POD1	L	LE	4	3	1	35	15S	35E	651073	3649706		120	55	65
L 14096 POD1	L	LE	3	2	4	31	15S	35E	645607	3649092		171	50	121
L 14235 POD1	L	LE	2	2	4	36	15S	35E	653937	3649565		186	125	61
L 14253 POD1	L	LE	3	2	4	36	15S	35E	653741	3649285		160	78	82
L 14262 POD1	L	LE	2	1	3	36	15S	35E	652738	3649485		150	65	85
L 14351 POD1	L	LE	2	4	1	35	15S	35E	651538	3649806		180	93	87
L 14465 POD1	L	LE	1	3	1	36	15S	35E	652524	3649882		180	58	122
L 14481 POD1	L	LE	1	2	2	24	15S	35E	653791	3653537		238	60	178
L 14481 POD2	L	LE	4	2	2	24	15S	35E	653873	3653292		252	60	192
L 14879 POD1	L	LE	2	3	1	35	15S	35E	651360	3629985		160	55	105
L 14901 POD1	L	LE	3	4	1	35	15S	35E	651307	3649679		160	55	105
L 15025 POD1	L	LE	1	2	3	36	15S	35E	652894	3649488		160	68	92
L 15070 POD1	L	LE	3	4	3	36	15S	35E	652876	3648933		175	68	107
L 15090 POD1	L	LE	4	4	4	31	15S	35E	645913	3648726		200	80	120
L 15090 POD2	L	LE	4	4	4	31	15S	35E	645803	3648784		200		
P 03010	P	RO	3	4	4	30	15S	35E	645619	3650352*			82	

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Average Depth to Water: **61 feet**

Minimum Depth: **40 feet**

Maximum Depth: **125 feet**

Record Count: 195

PLSS Search:


Township: 15S

Range: 35E



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	09372	2	3	07	15S	35E	644835	3655666*	

Driller License: 421 **Driller Company:** GLENN'S WATER WELL SERVICE

Driller Name: GLENN, CLARK A."CORKY" (LD)

Drill Start Date: 11/11/1983 **Drill Finish Date:** 11/11/1983 **Plug Date:**

Log File Date: 11/15/1983 **PCW Rev Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 100 GPM

Casing Size: 6.63 **Depth Well:** 150 feet **Depth Water:** 75 feet

Water Bearing Stratifications:	Top	Bottom	Description
	80	150	Other/Unknown

Casing Perforations:	Top	Bottom
	130	150

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5/4/22 2:44 PM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

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(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tw	Rng	X	Y
	L 06046	3	3	3	07	15S	35E	644333	3655153*

Driller License: 281

Driller Company: PRUETT, OTIS H.

Driller Name:

Drill Start Date: 09/26/1966

Drill Finish Date: 09/27/1966

Plug Date:

Log File Date: 11/02/1966

PCW Rev Date:

Source: Shallow

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size: 7.00

Depth Well: 104 feet

Depth Water: 56 feet

Water Bearing Stratifications:

Top Bottom Description

56 90 Sandstone/Gravel/Conglomerate

Casing Perforations:

Top Bottom

60 98

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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	09555	4	3	07	15S	35E	644842	3655263*	
<hr/>									
Driller License:	421	Driller Company:		GLENN'S WATER WELL SERVICE					
Driller Name:	GLENN, CLARK A."CORKY" (LD)								
Drill Start Date:	08/31/1984	Drill Finish Date:		08/31/1984		Plug Date:		11/06/1984	
Log File Date:	09/05/1984	PCW Rev Date:				Source:		Shallow	
Pump Type:		Pipe Discharge Size:				Estimated Yield:		100 GPM	
Casing Size:	6.63	Depth Well:		150 feet		Depth Water:		54 feet	
<hr/>									
Water Bearing Stratifications:		Top	Bottom	Description					
		54	150	Other/Unknown					
<hr/>									
Casing Perforations:		Top	Bottom						
		120	150						
<hr/>									

*UTM location was derived from PLSS - see Help

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5/4/22 2:09 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	09523	1	1	4	07	15S	35E	645136	3655773*
<hr/>									
Driller License: 882		Driller Company:		LARRY'S DRILLING & PUMP CO.					
Driller Name:		FELKINS, LARRY							
Drill Start Date: 07/05/1984		Drill Finish Date:		07/05/1984		Plug Date:		08/08/1985	
Log File Date: 07/12/1984		PCW Rev Date:				Source:		Shallow	
Pump Type:		Pipe Discharge Size:				Estimated Yield:		70 GPM	
Casing Size: 6.63		Depth Well:		140 feet		Depth Water:		57 feet	
<hr/>									
Water Bearing Stratifications:		Top	Bottom	Description					
		90	140	Sandstone/Gravel/Conglomerate					
<hr/>									
Casing Perforations:		Top	Bottom						
		100	140						

*UTM location was derived from PLSS - see Help

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5/4/22 2:43 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	Tw	Rng	X	Y
L	03129				07	15S	35E	645037	3655857*

Driller License:	99	Driller Company:	O.R. MUSSELWHITE WATER WELL SE		
Driller Name:	MUSSELWHITE, O.R.				
Drill Start Date:	03/06/1956	Drill Finish Date:	03/07/1956	Plug Date:	03/01/1957
Log File Date:	04/02/1956	PCW Rev Date:		Source:	Shallow
Pump Type:		Pipe Discharge Size:		Estimated Yield:	
Casing Size:	7.00	Depth Well:	120 feet	Depth Water:	60 feet

Water Bearing Stratifications:	Top	Bottom	Description
	80	120	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	90	120

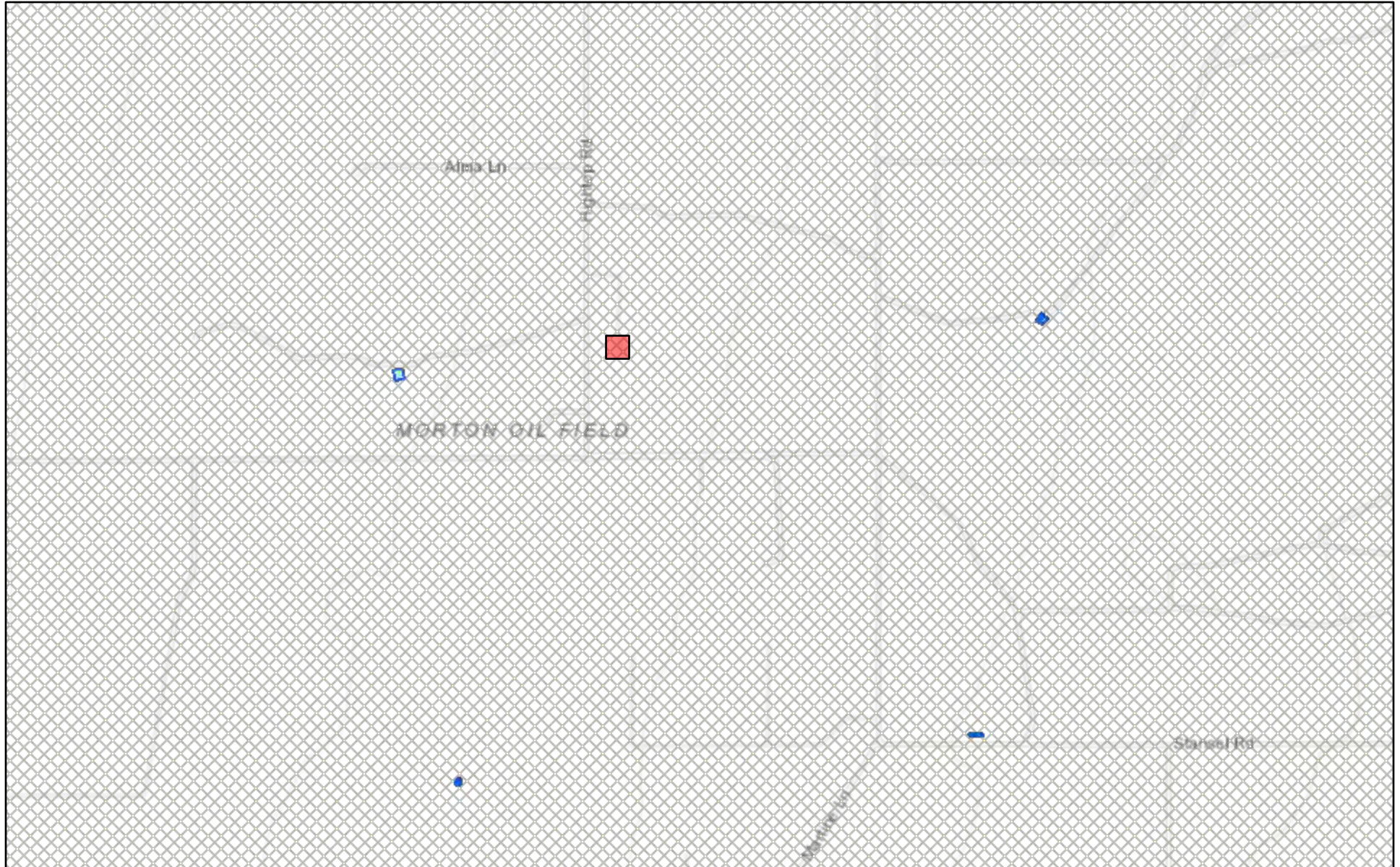
*UTM location was derived from PLSS - see Help

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.

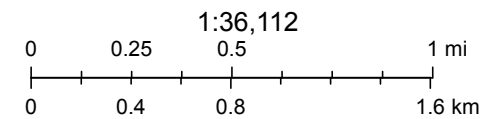
5/4/22 2:46 PM

POINT OF DIVERSION SUMMARY

New Mexico NFHL Data



May 4, 2022



FEMA, Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey,

nmflood.org is made possible through a collaboration with NMDHSEM,

This is a non-regulatory product for informational use only. Please consult your local floodplain administrator for further information.

APPENDIX E

CARMONA RESOURCES





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

March 27, 2023

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: JAMES O'NEIL

Enclosed are the results of analyses for samples received by the laboratory on 03/24/23 9:41.

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 style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 03/24/2023
 Reported: 03/27/2023
 Project Name: JAMES O'NEIL
 Project Number: 1232
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 03/24/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 1 (4') (H231349-01)

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	03/24/2023	ND	2.07	103	2.00	5.01	
Toluene*	<0.050	0.050	03/24/2023	ND	2.08	104	2.00	5.11	
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.16	108	2.00	5.03	
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.70	112	6.00	5.39	
Total BTX	<0.300	0.300	03/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/24/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/27/2023	ND	201	101	200	3.28	
DRO >C10-C28*	59.8	10.0	03/27/2023	ND	198	99.1	200	4.51	
EXT DRO >C28-C36	<10.0	10.0	03/27/2023	ND					

Surrogate: 1-Chlorooctane 94.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 03/24/2023
 Reported: 03/27/2023
 Project Name: JAMES O'NEIL
 Project Number: 1232
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 03/24/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 2 (4') (H231349-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2023	ND	2.07	103	2.00	5.01		
Toluene*	<0.050	0.050	03/24/2023	ND	2.08	104	2.00	5.11		
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.16	108	2.00	5.03		
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.70	112	6.00	5.39		
Total BTEX	<0.300	0.300	03/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/24/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/27/2023	ND	201	101	200	3.28	
DRO >C10-C28*	<10.0	10.0	03/27/2023	ND	198	99.1	200	4.51	
EXT DRO >C28-C36	<10.0	10.0	03/27/2023	ND					

Surrogate: 1-Chlorooctane 94.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 03/24/2023
 Reported: 03/27/2023
 Project Name: JAMES O'NEIL
 Project Number: 1232
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 03/24/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 3 (1') (H231349-03)

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	03/24/2023	ND	2.07	103	2.00	5.01	
Toluene*	<0.050	0.050	03/24/2023	ND	2.08	104	2.00	5.11	
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.16	108	2.00	5.03	
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.70	112	6.00	5.39	
Total BTX	<0.300	0.300	03/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/24/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/27/2023	ND	201	101	200	3.28	
DRO >C10-C28*	<10.0	10.0	03/27/2023	ND	198	99.1	200	4.51	
EXT DRO >C28-C36	<10.0	10.0	03/27/2023	ND					

Surrogate: 1-Chlorooctane 98.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 03/24/2023
 Reported: 03/27/2023
 Project Name: JAMES O'NEIL
 Project Number: 1232
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 03/24/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 4 (1') (H231349-04)

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	03/24/2023	ND	2.07	103	2.00	5.01		
Toluene*	<0.050	0.050	03/24/2023	ND	2.08	104	2.00	5.11		
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.16	108	2.00	5.03		
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.70	112	6.00	5.39		
Total BTX	<0.300	0.300	03/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/24/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/27/2023	ND	180	90.1	200	0.900	
DRO >C10-C28*	<10.0	10.0	03/27/2023	ND	208	104	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	03/27/2023	ND					

Surrogate: 1-Chlorooctane 92.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 03/24/2023
 Reported: 03/27/2023
 Project Name: JAMES O'NEIL
 Project Number: 1232
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 03/24/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 5 (1') (H231349-05)

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	03/24/2023	ND	2.07	103	2.00	5.01		
Toluene*	<0.050	0.050	03/24/2023	ND	2.08	104	2.00	5.11		
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.16	108	2.00	5.03		
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.70	112	6.00	5.39		
Total BTX	<0.300	0.300	03/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/24/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/27/2023	ND	180	90.1	200	0.900	
DRO >C10-C28*	<10.0	10.0	03/27/2023	ND	208	104	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	03/27/2023	ND					

Surrogate: 1-Chlorooctane 95.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 03/24/2023
 Reported: 03/27/2023
 Project Name: JAMES O'NEIL
 Project Number: 1232
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 03/24/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 6 (1') (H231349-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2023	ND	2.07	103	2.00	5.01		
Toluene*	<0.050	0.050	03/24/2023	ND	2.08	104	2.00	5.11		
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.16	108	2.00	5.03		
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.70	112	6.00	5.39		
Total BTEx	<0.300	0.300	03/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/24/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/27/2023	ND	180	90.1	200	0.900	
DRO >C10-C28*	<10.0	10.0	03/27/2023	ND	208	104	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	03/27/2023	ND					

Surrogate: 1-Chlorooctane 94.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 160 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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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 "C. D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

District I
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Phone:(575) 393-6161 Fax:(575) 393-0720
District II
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Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
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

DEFINITIONS

Action 220102

DEFINITIONS

Operator: FASKEN OIL & RANCH LTD 6101 Holiday Hill Rd Midland, TX 79707	OGRID: 151416
	Action Number: 220102
	Action Type: [C-103] Sub. Release After P&A (C-103Q)

DEFINITIONS

For the sake of brevity and completeness, please allow for the following in all groups of questions and for the rest of this application:

- lease and well location, hereinafter "location";
- flowlines or pipelines, hereinafter "pipelines";
- and non-retrieved or abandoned, hereinafter "abandoned".

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QUESTIONS

Action 220102

QUESTIONS

Operator: FASKEN OIL & RANCH LTD 6101 Holiday Hill Rd Midland, TX 79707	OGRID: 151416
	Action Number: 220102
	Action Type: [C-103] Sub. Release After P&A (C-103Q)

QUESTIONS

Subsequent Report of: Location Ready For OCD Inspection After P&A	
Was this the last remaining or only well on the location	Yes
Are there any abandoned pipelines that are going to remain on the location	Yes
Is there any production equipment or structure (not including steel marker, poured onsite concrete bases, or pipelines) that is going to remain on the location	No
If any production equipment or structure is to remain on the location, please specify	Not answered.

Site Evaluation

Please answer all the questions in this group.

Have all the required pits been remediated in compliance with OCD rules and the terms of the Operator's pit permit and closure plan	Yes
Have the rat hole and cellar been filled and leveled	Yes
Have the cathodic protection holes been properly abandoned	Yes
Has a steel marker, at least 4 inches in diameter and at least 4 feet above ground level, been set in concrete	Yes
The (concrete-set) steel marker shows: Must attach marker photograph(s). *	THE OPERATOR NAME, LEASE NAME AND WELL NUMBER AND LOCATION, INCLUDING UNIT LETTER, SECTION, TOWNSHIP AND RANGE, SHALL BE WELDED, STAMPED OR OTHERWISE PERMANENTLY ENGRAVED INTO THE MARKER'S METAL.
Has the location been leveled as nearly as possible to original ground contour	Yes
Have all the required pipelines and other production equipment been cleared	Yes
Has all the required junk and trash been cleared from the location	Yes
Have all the required anchors, dead men, tie downs and risers have been cut off at least two feet below ground level	Yes
Have all the required metal bolts and other materials have been removed	Yes

Poured onsite concrete bases do not have to be removed.

Have all the the required portable bases been removed	Yes
Have all other environmental concerns have been addressed as per OCD rules	Yes
If any environmental concerns remain on the location, please specify	Not answered.

* Proof of the site marker (photograph) is required.

Please submit any other site photographs that would assist in documenting the above answers, site features, additional concerns, or other nearby / remaing structures and equipment.

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QUESTIONS, Page 2

Action 220102

QUESTIONS (continued)

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QUESTIONS**Abandoned Pipelines**

Only need to provide answers in this group, if any pipelines have been abandoned (in accordance with 19.15.35.10 NMAC).

Have all fluids have been removed from any abandoned pipelines	Yes
Have all abandoned pipelines been confirmed to NOT contain additional regulated NORM, other than that which accumulated under normal operation	Yes
Have all accessible points of abandoned pipelines been permanently capped	Yes

Last Remaining or Only Well on the Location

Please answer all questions that apply in this group, specifically if there is no longer going to be any well or facility remaining at this location.

Have all electrical service poles and lines been removed from the location	Yes
Is there any electrical utility distribution infrastructure that is remaining on the location	No
Have all the battery and pit location(s) have been remediated in compliance with OCD rules and the terms of the Operator's pit permit and closure plan	Yes
Have all the retrievable pipelines, production equipment been removed from the location	Yes
Has all the junk and trash been removed from the location	Yes

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ACKNOWLEDGMENTS

Action 220102

ACKNOWLEDGMENTS

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ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I hereby certify that all the work has been completed for this location and the site is ready for an OCD scheduled inspection.
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COMMENTS

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COMMENTS

Created By	Comment	Comment Date
plmartinez	DATA ENTRY PM	5/30/2023

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CONDITIONS

Created By	Condition	Condition Date
gcordero	None	5/30/2023