CARMONA RESOURCES

SITE INFORMATION

Closure Report

M-Chavez-8-S-07262023
Incident ID: nAPP2321447226
Chavez County, New Mexico
Unit M Sec 18 T15S R30E
33.011688°, -103.965595°

Condensate Release
Point of Release: Corroded Pipe
Release Date: 07/26/23
Volume Released: 15 Barrels of Condensate
Volume Recovered: 0 Barrels of Condensate

CARMONA RESOURCES

Prepared for:
Durango Midstream
47 Conoco Rd.
Maljamar, New Mexico 88264

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

CARMONA RESOURCES

TABLE OF CONTENTS

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

CARMONA RESOURCES

November 8, 2023

New Mexico Oil Conservation Division
1220 South St, Francis Drive
Santa Fe, NM 87505

Re: Closure Report
M-Chavez-8-S-07262023
Durango Midstream
Site Location: Unit M S18 T15S, R30E
(Lat 33.011688º, Long -103.965595°)
Chavez County, New Mexico

To whom it may concern:

On behalf of Durango Midstream (Durango), Carmona Resources, LLC has prepared this letter to document site activities for the M-Chavez-8-S-07262023. The site is located at 33.011688, -103.965595 within Unit M, S18, T15S, R30E, in Chavez County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on July 26, 2023, due to an internally and externally corroded pipe. It resulted in the release of approximately fifteen (15) barrels of condensate, with zero (0) barrels of condensate. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water source is within a 0.50-mile radius of the location. The nearest identified well is approximately 1.44 miles northwest of the site in S12, T15S, R29E and was drilled in 2011. The well has a reported depth to groundwater at 400 feet below the ground surface (ft bgs). A copy of the associated Summary Report is attached in Appendix D.

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.

4.0 Site Assessment Activities

On August 16, 2023, Carmona Resources personnel were onsite to perform site assessment activities to evaluate soil impacts stemming from the release. A total of three (3) sample points (S-1 through S-3) and four (4) horizontals were advanced to depths ranging from surface to 2’ bgs within and surrounding the release area to evaluate the vertical and horizontal extent. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Cardinal Laboratories in Hobbs, New Mexico. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 4500. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

See Table 1 for the analytical results.

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

CARMONA RESOURCES

5.0 Remediation Activities

Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via email on October 4, 2023, per Subsection D of 19.15.29.12 NMAC. See Appendix C. Upon arrival, the point of release area had already been excavated to a depth of 7' for pipeline repair. Carmona Resources personnel collected samples within this excavated area to ensure the capture of all potential contamination. A total of five (5) floor confirmation samples were collected (CS-1 through CS-5), and seven (7) sidewall samples (SW-1 through SW-7) were collected every 200 square feet 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 confirmation sample locations are shown in Figure 4. All final confirmation samples were below the most stringent regulatory requirements for TPH, BTEX, and chloride.

Refer to Table 2.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 180 cubic yards of material were excavated and transported offsite for proper disposal.

6.0 Reclamation Activities

The site was re-seeded via hand broadcasting on October 23, 2023, to help aid the growth process. Topsoil matching the surrounding areas was raked back on top of the seed after being broadcast. See Figure 5 for reclamation area. The seed mixture used was the BLM LPC Blend. See Appendix F for soil survey and map.

7.0 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 contact us at 432-813-1992.

Sincerely,

Carmona Resources, LLC

Conner Moehring
Sr. Project Manager

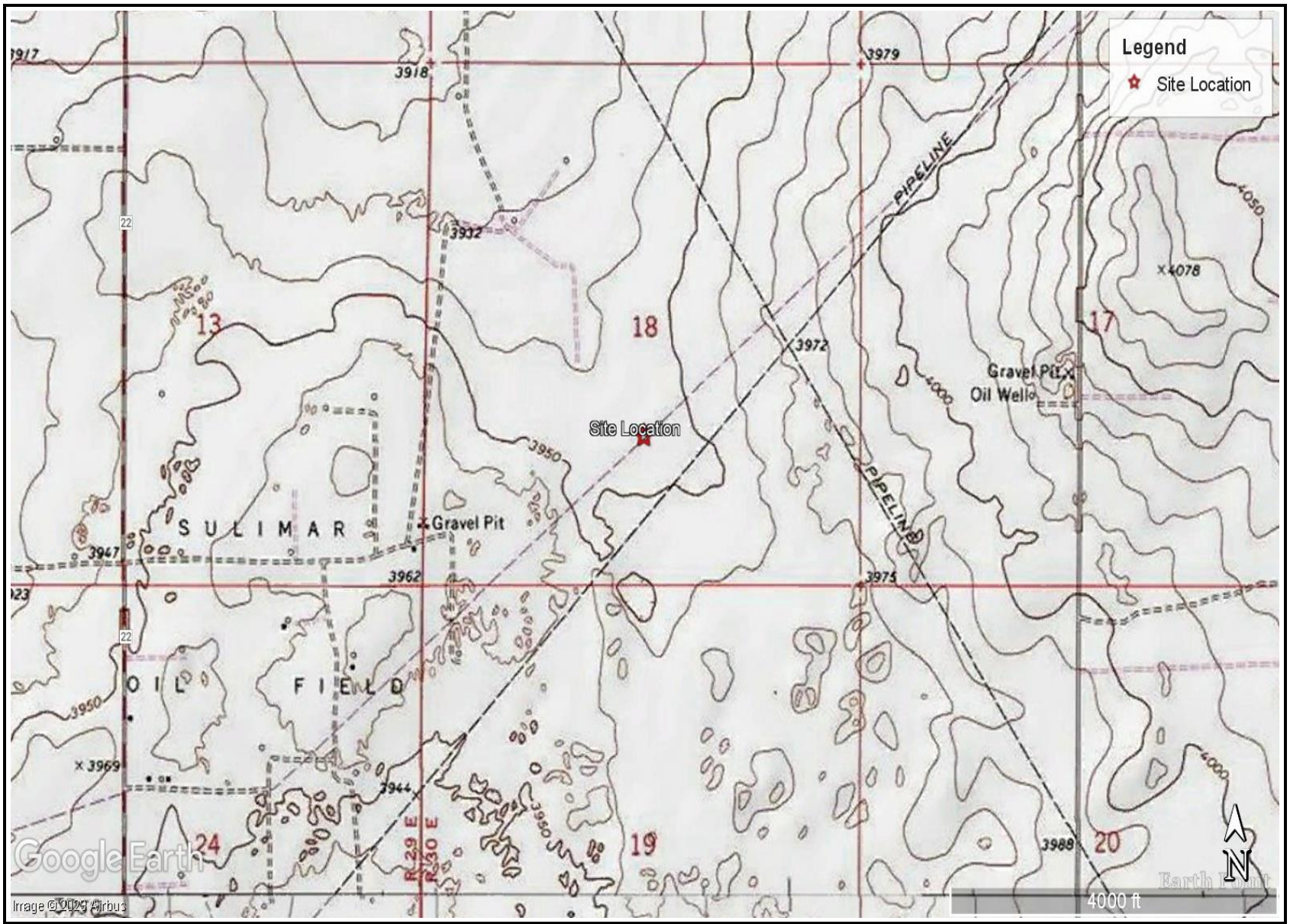
Devin Dominguez
Sr. Project 7Manager

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

FIGURES

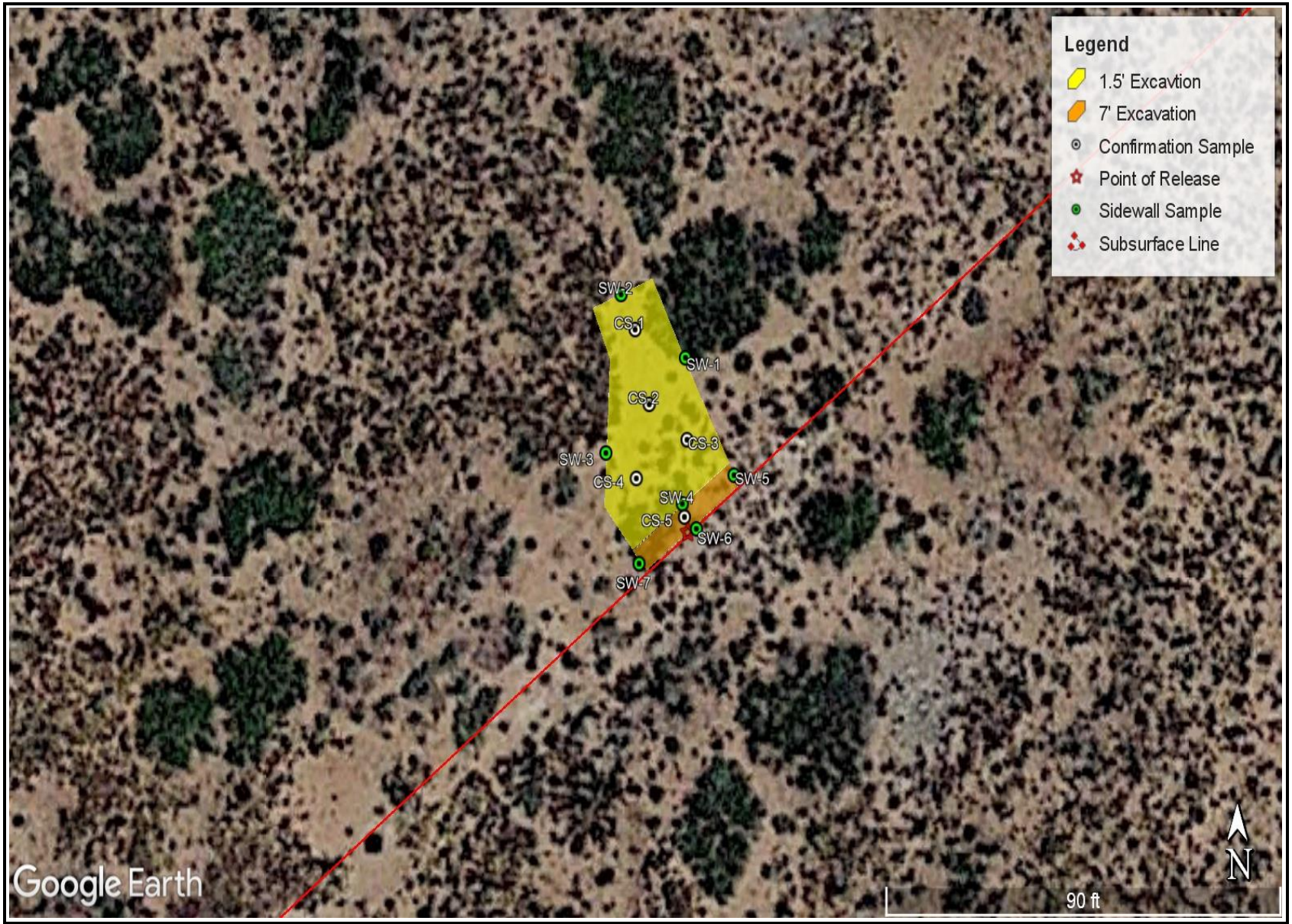
CARMONA RESOURCES

OVERVIEW MAP DURANGO MIDSTREAM, LLC M-CHAVEZ-8-S-07262023 CHAVEZ COUNTY, NEW MEXICO 33.011688°, -103.965595°	CARMONA RESOURCES	FIGURE 1

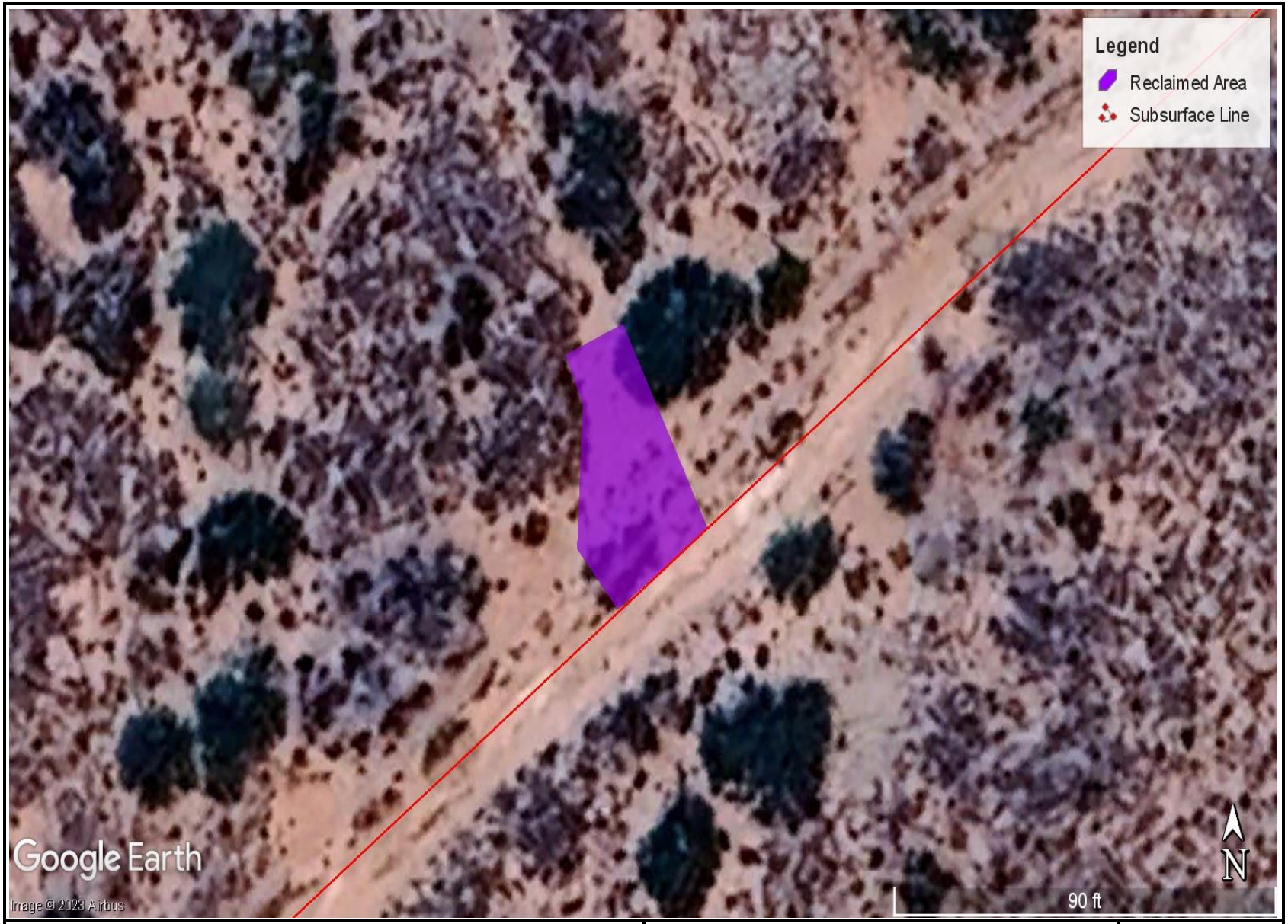


TOPOGRAPHIC MAP DURANGO MIDSTREAM, LLC M-CHAVEZ-8-S-07262023 CHAVEZ COUNTY, NEW MEXICO 33.011688°, -103.965595°	CARMONA RESOURCES	FIGURE 2

SAMPLE LOCATION MAP DURANGO MIDSTREAM, LLC M-CHAVEZ-8-S-07262023 CHAVEZ COUNTY, NEW MEXICO 33.011688°, -103.965595°	CARMONA RESOURCES	FIGURE 3



EXCAVATION MAP DURANGO MIDSTREAM, LLC M-CHAVEZ-8-S-07262023 CHAVEZ COUNTY, NEW MEXICO 33.011688°, -103.965595°	CARMONA RESOURCES	FIGURE 4



RECLAMATION MAP DURANGO MIDSTREAM, LLC M-CHAVEZ-8-S-07262023 CHAVEZ COUNTY, NEW MEXICO 33.011688°, -103.965595°	CARMONA RESOURCES	FIGURE 5

APPENDIX A

CARMONA RESOURCES

Table 1
Durango Midstream
M-CHAVEZ-8-S-07262023
Chavez 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	8/16/2023	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
S-2	8/16/2023	0-1	<10.0	139	79.4	**218.4**	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
S-3	8/16/2023	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
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

Removed

Table 1
Durango Midstream
M-CHAVEZ-8-S-07262023
Chavez 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						
H-1	8/16/2023	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
H-2	8/16/2023	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-3	8/16/2023	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-4	8/16/2023	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
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

(H) Horizontals

Table 2
Durango Midstream
M-CHAVEZ-8-S-07262023
Chavez 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						
CS-1	1/18/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-2	1/20/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-3	1/18/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-4	1/18/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-5	1/20/2023	7.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-1	1/20/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-2	1/20/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-3	1/20/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-4	1/20/2023	5.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-5	1/20/2023	7.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-6	1/20/2023	7.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	16.0
SW-7	1/20/2023	7.0	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	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
(CS) Confirmation Sample
(SW) Sidewall Sample

APPENDIX B

CARMONA RESOURCES

PHOTOGRAPHIC LOG

Durango Midstream

Photograph No. 1

Facility: M-Chavez-8-S-07262023

County: Chavez County, New Mexico

Description:
View Northwest, area of CS-1 through CS-4.

Photograph No. 2

Facility: M-Chavez-8-S-07262023

County: Chavez County, New Mexico

Description:
View West, area of CS-5.

Photograph No. 3

Facility: M-Chavez-8-S-07262023

County: Chavez County, New Mexico

Description:
View North, area of CS-1 through CS-5.

PHOTOGRAPHIC LOG

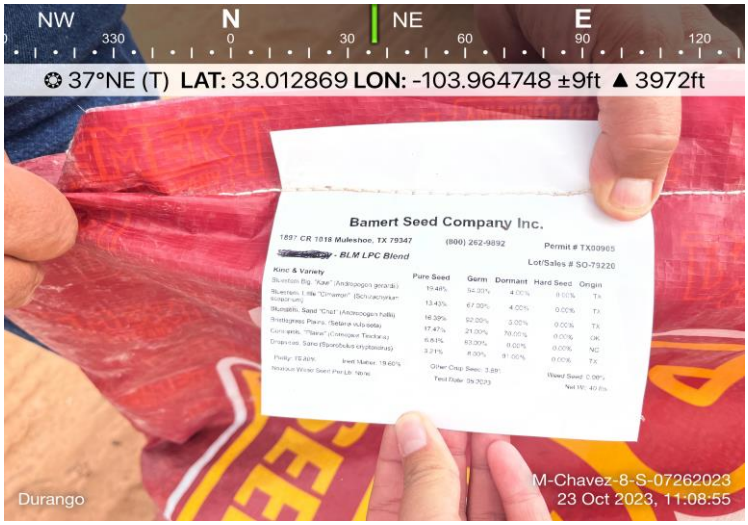
Durango Midstream

Photograph No. 4

Facility: M-Chavez-8-S-07262023

County: Chavez County, New Mexico

Description:
Seed Mixture.



Photograph No. 5

Facility: M-Chavez-8-S-07262023

County: Chavez County, New Mexico

Description:
View North, hand broadcasting of seed mixture.

Photograph No. 6

Facility: M-Chavez-8-S-07262023

County: Chavez County, New Mexico

Description:
View North, backdrag of reclaimed area.

APPENDIX C

CARMONA RESOURCES

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	nAPP2321447226
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	Frontier Field Services	OGRID	221115
Contact Name	Lupe Carrasco	Contact Telephone	575-725-0787
Contact email	gcarrasco@durangomidstream.com	Incident # *(assigned by OCD)*	nAPP2321447226
Contact mailing address	47 Conoco Rd. Maljamar, NM 88264		

Location of Release Source

Latitude 33.011688 Longitude -103.965595
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	M-Chavez-8-S-07262023	Site Type	Pipeline
Date Release Discovered	7/26/2023	API# *(if applicable)*	

Unit Letter	Section	Township	Range	County
M	18	15S	30E	Chavez

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (*Name:* _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☒ Condensate	Volume Released (bbls) 15	Volume Recovered (bbls) 0
☒ Natural Gas	Volume Released (Mcf) 345	Volume Recovered (Mcf) 0
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release
Internal and External Corrosion

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2321447226
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☒ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

- ☒ The source of the release has been stopped.
- ☒ The impacted area has been secured to protect human health and the environment.
- ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- ☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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

Printed Name: Lupe Carrasco Title: Sr. Environmental Specialist

Signature: Lupe Carrasco Date: 08/02/2023

email: gcarrasco@durangomidstream.com Telephone: 575-725-0787

OCD Only

Received by: Shelly Wells Date: 8/2/2023

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: Lupe Carrasco Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Shelly Wells Date: 11/9/2023

Incident ID	
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: _____ Title: _____

Signature: Lupe Carrasco Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Shelly Wells Date: 11/9/2023

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: _____

Printed Name: _____ Title: _____

DURANGO MIDSTREAM

Gas Volume Release Report

NAPP2321447226

Gas Release Volume Calculator		
Date:	7/26/2023	
Site or Line Name:	MAL-Chaves Inlet 8" Steel Line	
Area of Hole in Pipe:	0.5	square inches
Absolute Pressure:	52.7	psia - absolute pressure (psia = psig gauge pressure + 14.7)
Duration of Release:	180.00	minutes
Actual Temperature:	113.2	Degrees F
Representative Gas Analysis	Please attach or email a representative gas analysis	

Constants		
Temperature at standard conditions:	60	Deg. F
Pressure at standard conditions:	14.7	PSIA
Volume of Gas - Actual Conditions	106.09	MACF
Volume of Gas - Standard Conditions	345.00	MSCF

Notes
Entered by user
Calculated Value
Constant

Note:

DURANGO MIDSTREAM

Liquid Volume Release Report

NAPP2321447226

Liquid Release Volume Calculator							
Date:	**7/26/2023**						
Site or Line Name:	**MAL-Chaves Inlet 8" Steel Line**						
Soil Type	**Porosity**	**Length**	**Width**	**Depth** (.083 per inch)	**Cubic Feet**	**Estimated Barrels**	**Soil Type**
Clay	0.15				0	0.00	Clay
Sandy Clay	0.12				0	0.00	Sandy Clay
Silt	0.16				0	0.00	Silt
Fine Sand	0.16				0	0.00	Fine Sand
Medium Sand	0.25	85	15.9	0.249	336.5235	15.00	Medium Sand
Coarse Sand	0.26				0	0.00	Coarse Sand
Gravely Sand	0.26				0	0.00	Gravely Sand
Fine Gravel	0.26				0	0.00	Fine Gravel
Medium Gravel	0.20				0	0.00	Medium Gravel
Coarse Gravel	0.18				0	0.00	Coarse Gravel
Sandstone	0.25				0	0.00	Sandstone
Siltstone	0.18				0	0.00	Siltstone
Limestone	0.13				0	0.00	Limestone
Basalt	0.19				0	0.00	Basalt
Standing Liquids	X	0	0	0	0	0.00	Standing Liquids

Choose the one prevailing ground type for estimating spill volumes at a single location. Standing liquids are figured separately using the green cell.

Note that the depth should be measured in feet and tenths of feet (1 inch = .083)

Cubic Feet = L x W x D

Estimated Barrels = ((Cubic Feet x Porosity) / 5.61)

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

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 247133
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	8/2/2023

Hi Conner,

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520|Shelly.Wells@emnrd.nm.gov
http://www.emnrd.state.nm.us/OCD/

From: Conner Moehring <Cmoehring@carmonaresources.com>
Sent: Wednesday, October 4, 2023 12:52 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Guadalupe Carrasco <gcarrasco@durangomidstream.com>; Mike Carmona <Mcarmona@carmonaresources.com>; Devin Dominguez <Ddominguez@carmonaresources.com>; Clint Merritt <MerrittC@carmonaresources.com>
Subject: [EXTERNAL] Durango – M-Chavez-8-S-09262023 - Sampling Notification

Good Afternoon,

This email serves as a notification for confirmation sampling for the Durango – M-Chavez-8-S-09262023. Sampling is scheduled to begin on Friday, October 6th, around 2:00 p.m. Mountain Time. Carmona Resources personnel will be on-site to collect the confirmation samples.

Incident No. nAPP2321447226

Please call if you have any questions.

Conner R. Moehring
310 West Wall Street, Suite 500
Midland Texas, 79701
M: 432-813-6823

Cmoehring@carmonaresources.com

APPENDIX D

CARMONA RESOURCES

Nearest Water Well

Durango Midstream

400' - Drilled 2011

M-Chavez-8-S-07262023 (07.26.2023)

115' - Drilled 2021

77' - Drilled 2018

Legend

- 0.50 Mile Radius
- 1.44 Miles
- 1.88 Miles
- 2.25 Miles
- Groundwater Determination Bore
- M-Chavez-8-S-07262023 (07.26.2023)
- NMSEO Water Well

Google Earth

1 mi

N

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-basin Code	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
L 14514 POD1	L	LE	2	2	1	32	15S	36E	595494	3649622	3614	208	77	131

Average Depth to Water: **77 feet**

Minimum Depth: **77 feet**

Maximum Depth: **77 feet**

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 596619.21 **Northing (Y):** 3653057.88 **Radius:** 4000

File No.

NEW MEXICO OFFICE OF THE STATE ENGINEER

APPLICATION FOR PERMIT TO DRILL A WELL
WITH NO CONSUMPTIVE USE OF WATER

(check applicable box):

For fees, see State Engineer website: http://www.ose.state.nm.us/ 2-30206 #5

☐ Exploratory	☐ De-Watering	☐ Geo-Thermal
☒ Monitoring	☐ Pollution Control And / Or Recovery	
☐ Temporary Request - Requested Start Date:	Requested End Date:	

1. APPLICANT(S)

Name: Darrell Crass Drilling	Name: Frontier Energy Service
Contact or Agent: Dara Crass — check here if Agent ☒	Contact or Agent: Joe Gallo — check here if Agent ☒
Mailing Address: PO Box 60031	Mailing Address: Po Box 7
City: MIDLAND	City: Maljamar
State: TX Zip Code: 79711	State: NM Zip Code: 88264
Phone: ☐ Home ☐ Cell Phone (Work): 432.561.8703	Phone: 432. ☐ Home ☒ Cell Phone (Work): 230.6955
E-mail: dara@darrellcrassdrilling.com	E-mail: masgalex@sbcglobal.net

RECEIVED
2012 AUG 26 PM 10 15
STATE ENGINEER OFFICE
ROSWELL, NEW MEXICO

FOR OSE INTERNAL USE — Application for Permit, Form wr-07, Rev 5/11/11

File Number: RA-1765	Trn Number: 484556
Trans Description (optional):	
Sub-Basin:	
~~PCW~~/LOG Due Date: 9-30-12	~~PBU Due Date:~~

Describe the well applicable to this application.

2. WELL

NOTE: If more than one (1) well, complete Attachment 1

OSE Well No. (if existing):				
Location (Required): Coordinate location must be New Mexico State Plane (NAD 83), UTM (NAD 83), or Lat/Long (WGS84)				
NM State Plane (NAD83) - In feet	NM West Zone ☐ NM Central Zone ☐ NM East Zone ☐			X (in feet): Y (in feet):
UTM (NAD83) - In meters	UTM Zone 13N ☐ UTM Zone 12N ☐			Easting (in meters): Northing (in meters):
Lat/Long (WGS84) - To 1/10th of second	Latitude:	33 deg	61 min	29.80 sec
	Longitude:	103 deg	59 min	05.11 sec
Land Grant (if applicable):				
Well is on Land Owned by (required): BLM Management				
Other Location Information (complete the below, if applicable):				
PLSS Quarters or Halves: S/W Quarter	Section: 12	Township: Maljamar	Range: 29	County: Chavez
Lot No:	Block No:	Unit/Tract:	Subdivision:	
Hydrographic Survey:		Map:		Tract: T515South
Other description relating well to common landmarks, streets, or other: East side of CR 217 approx. 185' on east side, Old Chavez Compressor Station				
Well Information:				
Approximate depth of well (feet): 400'		Outside Diameter of Well Casing (inches): 10		
Driller Name: Gustavo Ortega		Driller License Number: WD-1261		
Additional well descriptions are attached: ☒ Yes ☐ No		If yes, how many 3		

3. ADDITIONAL STATEMENTS OR EXPLANATIONS

This is a Cathodic Protection groundbed. This well will not be used for water or anything else. It is just to protect the pipeline.

STATE ENGINEER OFFICE
ROSWELL, NEW MEXICO
2011 AUG 26 AM 10 15

FOR OSE INTERNAL USE — Application for Permit, Form wr-07

File Number: RA-11765	Trn Number: 484556

SPECIFIC REQUIREMENTS

The applicant must include the following, as applicable to each well type. Please check the appropriate boxes, to indicate the information has been included and/or attached to this application:

Exploratory:	**Monitoring:**	**Pollution Control And / Or Recovery:**	**De-Watering:**	**Geo-Thermal:**
☐ include a description of any proposed pump test, if applicable.	☒ include the reason for the monitoring well, and, ☐ the duration of the planned monitoring.	☐ include a plan for pollution control/recovery, that includes the following: ☐ a description of the need for the pollution control or recovery operation. ☐ the estimated maximum period of time for completion of the operation. ☐ the annual diversion amount. ☐ the annual consumptive use amount. ☐ the maximum amount of water to be diverted and injected for the duration of the operation. ☐ the method and place of discharge. ☐ the method of measurement of water produced and discharged. ☐ the source of water to be injected. ☐ the method of measurement of water injected. ☐ the characteristics of the aquifer. ☐ the method of determining the resulting annual consumptive use of water and depletion from any related stream system. ☐ proof of any permit required from the New Mexico Environment Department. ☐ an access agreement if the applicant is not the owner of the land on which the pollution plume control or recovery well is to be located.	☐ include a description of the proposed dewatering operation, ☐ the estimated duration of the operation, ☐ the maximum amount of water to be diverted, ☐ a description of the need for the dewatering operation, and, ☐ a description of how the diverted water will be disposed of.	☐ include a description of the geothermal heat exchange project, ☐ the amount of water to be diverted and re-injected for the project, ☐ the time frame for constructing the geothermal heat exchange project, and, ☐ the duration of the project. ☐ preliminary surveys, design data, and additional information shall be included to provide all essential facts relating to the request.

ACKNOWLEDGEMENT

I, We (name of applicant(s)), Darrell Crass Drilling
Print Name(s)

affirm that the foregoing statements are true to the best of (my, our) knowledge and belief.

Darrell Crass
Applicant Signature

Applicant Signature

STATE ENGINEER OFFICE
ROSWELL, NEW MEXICO
2011 AUG 26 AM 10 15

ACTION OF THE STATE ENGINEER

This application is (check one):

☒ approved ☐ partially approved ☐ denied

provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare and further subject to the attached conditions of approval (*please see attachment*).

Witness my hand and seal this 4th day of October 20 11, for the State Engineer,

John R. D'Antonio, Jr., P.E., State Engineer

By: Andy Morley
Signature

Print

Title: Andy Morley, District II Staff Manager
Print

FOR OSE INTERNAL USE

Application for Permit, Form wr-07

File Number: RA-11765	Trn Number: 484556

NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO MONITOR

SPECIFIC CONDITIONS OF APPROVAL

1A Depth of the well shall not exceed the thickness of the valley fill.

4 No water shall be appropriated and beneficially used under this permit.

6 The well shall be plugged upon completion of the permitted use, and a plugging report shall be filed with the State Engineer within 10 days.

7 The Permittee shall utilize the highest and best technology available to ensure conservation of water to the maximum extent practical.

B The well shall be drilled by a driller licensed in the State of New Mexico in accordance with Section 72-12-12 New Mexico Statutes Annotated.

C Driller's well record must be filed with the State Engineer within 20 days after the well is drilled or driven. Well record forms will be provided by the State Engineer upon request.

C2 No water shall be diverted from this well except for testing purposes which shall not exceed twenty (20) cumulative days, and well shall be plugged or capped on or before , unless a permit to use water from this well is acquired from the Office of the State Engineer.

LOG The Point of Diversion RA 11765 POD1 must be completed and the Well Log filed on or before 09/30/2012.

The well shall be constructed, maintained and operated that each water shall be confined to the aquifer in which it is encountered. Should the permittee change the purpose of use to other than monitoring purposes, an application shall be aquired from the Office of the State Engineer.

Trn Desc: RA 11765

File Number: RA 11765
Trn Number: 484556

NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO MONITOR

ACTION OF STATE ENGINEER

Notice of Intention Rcvd: Date Rcvd. Corrected:
Formal Application Rcvd: 09/12/2011 Pub. of Notice Ordered:
Date Returned - Correction: Affidavit of Pub. Filed:

This application is approved provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare of the state; and further subject to the specific conditions listed previously.

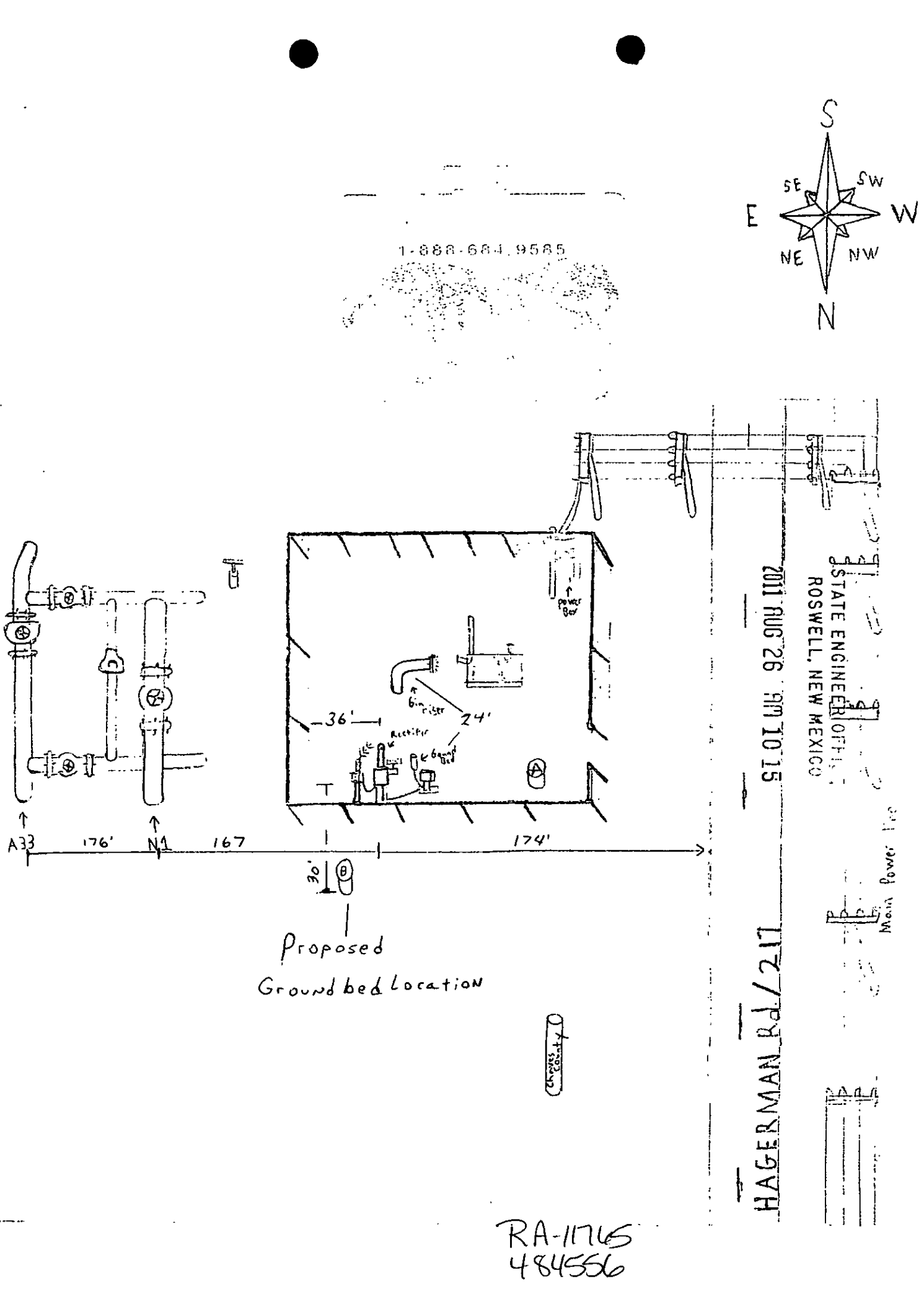
Witness my hand and seal this 4th day of October A.D., 2011

John R. D Antonio, Jr., P.E. , State Engineer

By: Andy Morley
Andy Morley

Trn Desc: RA 11765 File Number: RA 11765
Trn Number: 484556

page: 2


S
SE
SW
E
W
NE
NW
N
1-888-684-9585
2011 AUG 26 AM 10 15
STATE ENGINEER OFFICE
ROSWELL, NEW MEXICO
HAGERMAN Rd.
36'
24'
Receiver
Ground Bed
Power Box
A33
176'
N1
167
174'
30'
Proposed
Ground bed Location
CHAVES COUNTY
RA-11765
484556

Old Chavez Compressor Station

6 in riser in Fence to Old Gound Bed 24 Ft.

6 in riser in Fence to Optional ground Bed "A" 64 ft.

A33 to Rectifier 176 Ft

N1 to Rectifier 167 Ft

Rectifier to East side Fence 36 Ft.

Rectifier to power box 101 Ft.

ground Bed to power box 88 Ft

Rectifier to power lines on Southwest corner 113 Ft.

Rectifier to Road 217 is 174 Ft.

ground Bed to Road 217 is 165 Ft.

Main Power lines to Rectifier is 264 Ft.

old ground Bed to Optional ground Bed "A" 70 Ft.

old ground Bed to optional ground Bed "B" 30 Ft.

A33 and N1 6in line tie in to 12in chavez lines.

Loco Hills New Mex.

Turn right at the intersection of Highway 82 and county road 217 Eddy county also known as Hagerman Cut off Rd. go 12.5 miles North, and Then the old compressor station is right (East) about 185 Ft. From road 217.

N 33° 1.4965'

W 103° 59.0851'

Elevation 3920 Feet.

Legal Location Chavez County

Township is 15 south, Range 29 East, South west Quarter Section 12

RA-11765

484556

STATE ENGINEER OFFICE
ROSWELL, NEW MEXICO
2011 AUG 26 A 10:15

Ground[redacted]d Design and Request Work[redacted]eet

CONTACT INFORMATION

COMPANY: Frontier Energy Service
BILLING ADDRESS: P.O Box 7
CITY, STATE, ZIP: Maljamar, NM 88264
DEPARTMENT: Pipeline

CONTACT: Joe Gallo
OFFICE # 432-332-9348
CELL # 432-230-6955
FAX # 432-332-9348
Masgalex@sbcgloal.net

Project / AFE Number: **MA 1049**

New | | Redrill | X

CPS #	Pipeline District	Line Name and Number	Milepost
THCR 2	Maljamar	Old Chavez Compressor Staion	

Legal Location	County	State	GPS Lat	GPS Long
T S 15 South, Range 29, Sec. 12, S/W quarter	Chavez	NM	N 33 1.4965	W 103 59.0851

Required Installation Date:

Type of Groundbed: Deep [X] Conventional [ ] Distributive [ ]

30 amps — Current Requirements

Casing Diameter 10" (PVC cemented in place)
Casing Depth 20' (subject to TNRCC approval)
Hole Diameter 10
Hole Depth 400
Vent Pipe 260' (1" PVC)
Perforated Vent 200' (1" PVC All Vent)
No. Anodes 20 10' centers
Pit Requirement No
Rectifier Manufacturer Cathodic Rectifier
Model ACP

Capacity	DCV	DCA	AC	phase
	50	50	240	1

Anode Type 4"x80" Graphite
Anode Cable #6 HMWPE
Pos-Neg Cable #2 HMWPE
Backfill Material Loresco SC 2 coke breeze
Positive Junction Box No space w/JB shunts
Guardrail No
Cement Pad No
Hole Completion gravel to casing
Power Company ?
New Meter Loop Yes by Frontier
Service Pole Yes by Frontier
Negative Junction Box N/A

Drawing

STATE ENGINEER OFFICE
ROSWELL, NEW MEXICO
2011 AUG 26 AM 10 15

See Attached Drawing

RA-1176S
484556

Driving Directions

Loco Hills, NM, From the intersection of Hwy 82 and CR 217, go north on CR 217 (Hangerman Rd. Cut Off) approx. 12.5 miles. Job site is on the east side of CR 217 approx. 185 on the east side, Old Chavez Compressor Station.

Joe Gallo
Technician Signature

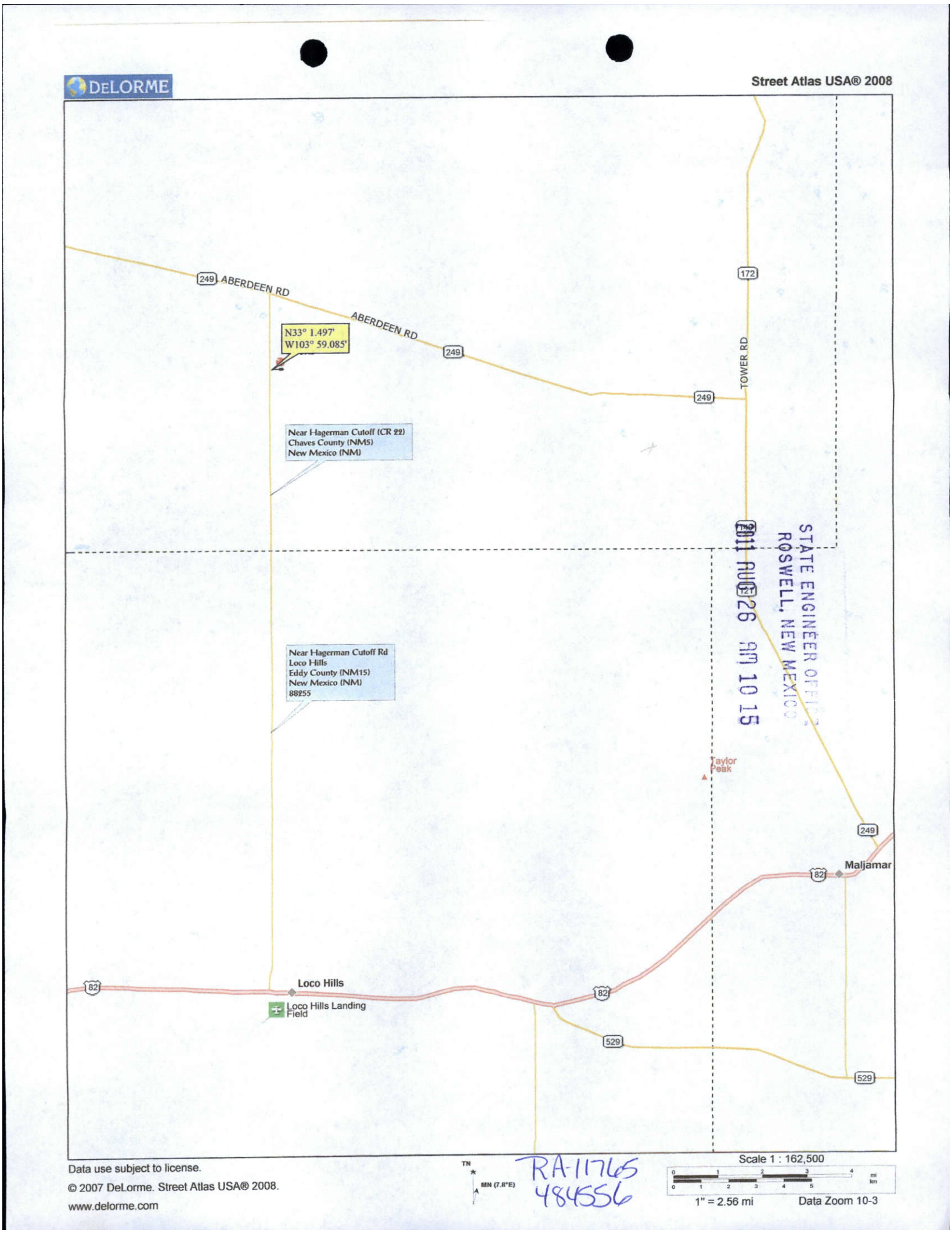
May 30, 2011
Date

Additional Comments:

Work will not proceed until all permits and One Call are obtained. Contractor will also file completion report when all work is completed. Contractor will supply all permits, materials and labor necessary to install a 400' deep well ground bed as specified above. Groudbed leads & vent pipe will be ordered to reach inside chain link fence. Positive j-box will be galvanized. J-Box will sit 32" high.

STATE ENGINEER OFFICE
ROSWELL, NEW MEXICO
2011 AUG 26 AM 10 15

RA-11746
484556


DeLORME
Street Atlas USA® 2008
249 ABERDEEN RD
ABERDEEN RD
249
N33° 1.497'
W103° 59.085'
172
TOWER RD
249
Near Hagerman Cutoff (CR 22)
Chaves County (NM5)
New Mexico (NM)
2011 AUG 26 AM 10 15
STATE ENGINEER OFFICE
ROSWELL, NEW MEXICO
Near Hagerman Cutoff Rd
Loco Hills
Eddy County (NM15)
New Mexico (NM)
88255
Taylor Peak
249
Maljamar
82
Loco Hills
Loco Hills Landing Field
82
82
529
529
Data use subject to license.
© 2007 DeLorme. Street Atlas USA® 2008.
www.delorme.com
TN
MN (7.8°E)
RA-11765
484556
Scale 1 : 162,500
1" = 2.56 mi
Data Zoom 10-3

Locator Tool Report

General Information:

Application ID:29 Date: 09-13-2011 Time: 08:25:18

WR File Number: RA
Purpose: OTHER

Applicant First Name: DARREL
Applicant Last Name: CRASS DRILLING

GW Basin: ROSWELL ARTESIAN
County: CHAVES

Critical Management Area Name(s): NONE
Special Condition Area Name(s): NONE
Land Grant Name: NON GRANT

PLSS Description (New Mexico Principal Meridian):

NE 1/4 of SW 1/4 of SE 1/4 of SW 1/4 of Section 12, Township 15S, Range 29E.

Coordinate System Details:

Geographic Coordinates:

Latitude:	33 Degrees	1 Minutes	29.8 Seconds	N
Longitude:	103 Degrees	59 Minutes	5.1 Seconds	W

Universal Transverse Mercator Zone: 13N

NAD 1983(92) (Meters)	N: 3,654,510	E: 594,816
NAD 1983(92) (Survey Feet)	N: 11,989,839	E: 1,951,491
NAD 1927 (Meters)	N: 3,654,307	E: 594,866
NAD 1927 (Survey Feet)	N: 11,989,172	E: 1,951,655

State Plane Coordinate System Zone: New Mexico East

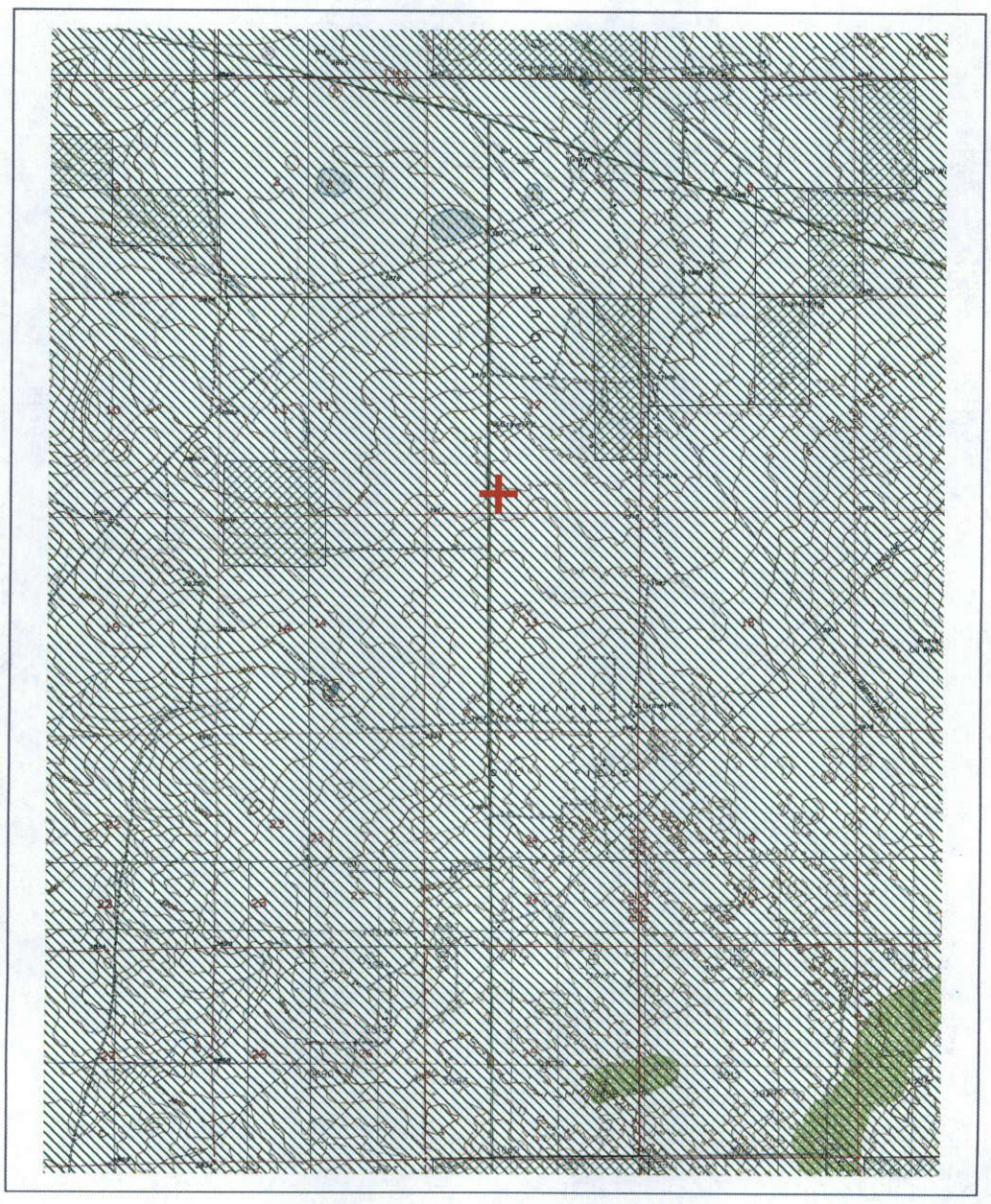
NAD 1983(92) (Meters)	N: 224,574	E: 197,564
NAD 1983(92) (Survey Feet)	N: 736,789	E: 648,175
NAD 1927 (Meters)	N: 224,554	E: 185,013
NAD 1927 (Survey Feet)	N: 736,725	E: 606,996

RA-11765
484556

 Print Date: 09/13/2011

NEW MEXICO OFFICE OF STATE ENGINEER

Locator Tool Report



WR File Number: RA Scale: 1:55,907

Northing/Easting: UTM83(92) (Meter): N: 3,654,510 E: 594,816

Northing/Easting: SPCS83(92) (Feet): N: 736,789 E: 648,175

GW Basin: Roswell Artesian

RA-11765
484556

Print Date: 09/13/2011

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Pecos District
Roswell Field Office
2909 West Second Street
Roswell, New Mexico 88201-2019
www.nm.blm.gov

TAKE PRIDE IN AMERICA

OCT 0 3 2011

In reply refer to:
NM 29454
2800 NM(P0130)

CERTIFIED MAIL RECEIPT:
Delivered By Fax

Frontier Field Services
P.O. Box 7
Maljamar, NM 88264

Dear Mr. Calderon:

By letter dated September 9, 2011, requesting approval of your maintenance plans for Right-of-Way NM-29454 (pumping plant facility) located in:

T. 15 S., R. 29 E., NMPM, Chaves County, New Mexico
Section 12: SE¼SW¼.

The work will entail installing a new ground bed and replace wire which was pulled out of the hole in ground bed due to vandalism. All work will be entirely done within the existing 50 ft. x 50 ft. right-of-way boundary as stated in your letter. The work being done is maintenance in nature and is required to preserve the ongoing safety and integrity of the pumping plant facility.

The facility described in your request would be wholly located within the authorized right-of-way boundary.

In an attempt to process your request in a more efficient (for us) and expeditious (for you) method, this letter will serve as your approval of maintenance activities described in your letter.

The approval is subject to the following restrictions.

1. All activities as described in your letter dated September 9, 2011.

2. All activities will be limited to the authorized 50 ft. x 50 ft. wide boundary of right-of-way NM- 29454.

3. This activity will be limited to locations where access is provided by existing roads. It would not apply in situations where the only access is by the right-of-way. In situations where the only access is by the right-of-way, we reserve the right to require a formal amendment of the right-of-way.

RA-11745
484556

Remember that we do wish to continue to be notified of your plans to construct maintenance on your pipelines and facilities. Upon review of each request we will determine if an approval letter or an amendment will be required. If you have any questions or comments, please contact Ruben Sanchez, Realty Specialist, at (575) 627-0237.

Sincerely,

Angel Mayes
Assistant Field Manager
Lands and Minerals

RA-11765
484556

Joe Calderon
Pipeline Foreman
P.O.Box 7 1001 Conoco Road
Maljamar,NM 88264

Frontier Field Services

September 7, 2011

Angel Mayes
Assistant Field Manager
Land and Minerals
U.S. Department of Interior
Bureau of Land Management
Pecos District
Rowell Field Office 2909 West Second Street
Roswell, New Mexico 88201-2019

Dear Angel Mayes:

As per our phone conversation, I am writing in reference to BLM right-of-way grant NM29454, held by Frontier Field Services. The rectifier site's electrical wiring and deep well was recently vandalized. I am writing to notify BLM of this issue due to the fact a new ground bed will need to be drilled to replace the wire which was pulled out of the hole in the ground bed.

If at all possible, Frontier Field Services would like to have a written agreement that BLM has accepted our request to drill a new ground bed. I would also like to reassure you no disturbance is required for the new ground bed, and Frontier Field Services will continue to work within the parameters of the right-of-way.

If you should have any further questions on this matter please feel free to contact me via phone at 575-361-0148 or via email at jcalderon@frontierfieldservices.com.

Thank you for your assistance in this matter and look forward to your timely response.

Sincerely,

Joe Calderon
Pipeline Foreman

Post-it® Fax Note 7671	Date 10-3-11	# of pages ▸ 3
To Yolanda Mendiola	From Joe Calderon	
Co./Dept. State of New Mexico	Co. Frontier Field Services	
Phone #	Phone # 575-361-0148	
Fax # 575-623-8559	Fax # 575-676-2401	

RA-11765
48455b

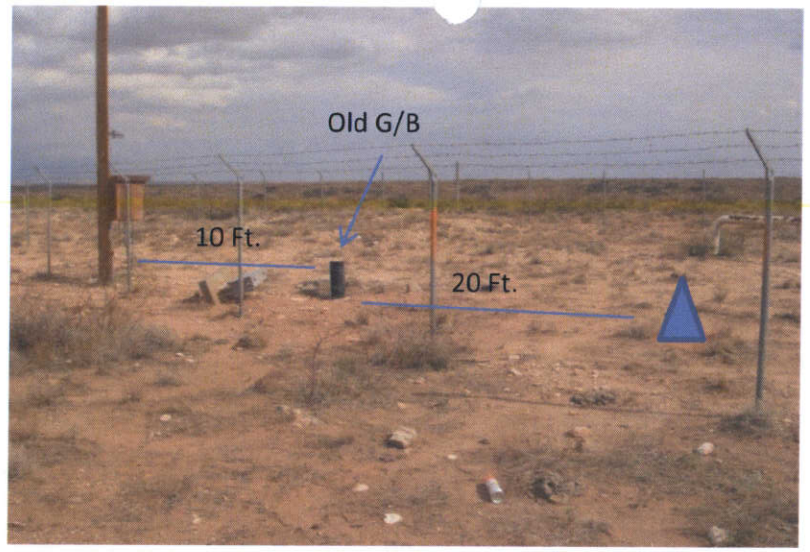
OVERSIZED MAP PLACEHOLDER SHEET

Number of Maps: 1

Date of Map(s): 8-26-11

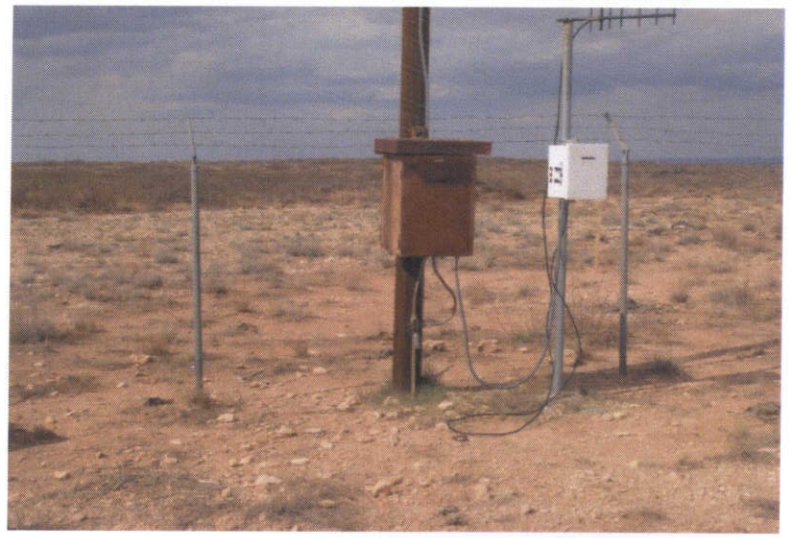
Other Information: RA-11765

OSE personnel use this sheet as a placeholder to mark the location of an oversized map within a transaction packet. Oversized maps cannot be imaged among letter and legal sized paper; therefore, a separate map event has been created.



GPS N 33.02488
W 103.98491

New G/B



RA-11765
484556

John R. D Antonio, Jr., P.E.
State Engineer

Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER

Trn Nbr: 484556
File Nbr: RA 11765

Oct. 04, 2011

JOE GALLO
FRONTIER ENERGY SERVICE
PO BOX 7
MALJAMAR, NM 88264

Greetings:

Enclosed is your copy of the above numbered permit that has been approved subject to the conditions set forth on the approval page. In accordance with the conditions of approval, the well can only be tested for 10 cumulative days, and the well is to be plugged on or before 09/30/2012, unless a permit to use the water is acquired from this office.

A Well Record & Log (OSE Form wr-20) shall be filed in this office within twenty (20) days after completion of drilling, but no later than 09/30/2012.

Appropriate forms can be downloaded from the OSE website www.ose.state.nm.us or will be mailed upon request.

Sincerely,

Yolanda Mendiola
(575)622-6521

Enclosure

explore

BORING RECORD

Start: 10:40 MST
Finish: 12:27

GEOLOGIC UNIT	DEPTH	DESCRIPTION LITHOLOGIC	DESCRIPTION USCS	GRAPHIC LOG	PID READING PPM X	SAMPLE NUMBER	SAMPLE PID READING	SAMPLE RECOVERY	SAMPLE DEPTH	REMARKS BACKGROUND PID READING
	0	Sand, 2.5YR 3/6 Dark Brown, Fine to Very Fine Grained Sand, Rounded to Sub Rounded, Well Sorted				1			1	10:40
	5	7.5YR 7/4 Pink, Fine to Medium Grained Sand, Sub Rounded to Sub Angular, Moderately Sorted	SW			2			5	10:43
	10	7.5YR 5/3 Brown, Fine Grained Sand, Well Sorted, Sub Rounded to Rounded				3			10	10:47
	15	at 14' Increased to Very Fine Grained Sand and Very Well Sorted				4			15	10:50
	20	2.5YR 5/4 Reddish Brown, Very Fine to Fine Grained Sand, Well Sorted, Well Rounded to Rounded				5			20	10:56
	25					6			25	11:03
	30					7			30	11:05
	35					8			35	11:07
	40					9			40	11:10
Lithology Remains Consistent	45	2.5YR Reddish Brown	SW			10			45	11:19
	50					11			50	11:21
	55	2.5 YR 5/6 Red				12			55	11:25

PID READING: PPM X _____ (2 4 6 8 10 12 14 16 18)

BACKGROUND PID READING
SOIL : _____ PPM
SOIL : _____ PPM

- ONE CONTINUOUS AUGER SAMPLER
- STANDARD PENETRATION TEST
- UNDISTURBED SAMPLE
- WATER TABLE (24 HRS)
- WATER TABLE (TIME OF BORING)
- LABORATORY TEST LOCATION
- PENETROMETER (TONS/ SQ. FT)
- NR NO RECOVERY

Larson & Associates, Inc.
Environmental Consultants

DRILL DATE : 10/06/2021

BORING NUMBER : BH-1

JOB NUMBER : Select Energy/ 21-0105-04
HOLE DIAMETER : 5"
LOCATION : Mack PW Release
LAI GEOLOGIST : T. Jackson & M. Baker
DRILLING CONTRACTOR : SDI
DRILLING METHOD : Air Rotary

BORING RECORD

Start: 10:40 MST
Finish: 12:27

GEOLOGIC UNIT	DEPTH	DESCRIPTION LITHOLOGIC	DESCRIPTION USCS	GRAPHIC LOG	PID READING (PPM X ____)	SAMPLE NUMBER	SAMPLE PID READING	SAMPLE RECOVERY	SAMPLE DEPTH	REMARKS BACKGROUND PID READING
	60					13			60	11:26
	65					14			65	11:32
	70		SW			15			70	11:36
	75					16			75	11:43
	80					17			80	11:46
	85					18			85	11:52
	90					19			90	12:01
	95	Sand, 2.5YR 6/3 Light Reddish Brown, Very Fine to Fine Grained Sand, Rounded to Sub Rounded, Well Sorted				20			95	12:05
	100	2.5YR 5/4 Reddish Brown, Fine to Medium Grained Sand, Sub Rounded to Sub Angular, Moderately Sorted				21			100	12:12
	105	2.5YR 5/6 Red, Very Fine to Fine Grained Sand, Rounded to Sub Rounded, Well Sorted	SW			22			105	12:20
	110	At 109' 5/3 Reddish Brown				23			110	12:23
	115	TD : 115' Dry After 72 Hours				24			115	12:27

SOIL : _____ PPM
SOIL : _____ PPM

ONE CONTINUOUS AUGER SAMPLER
STANDARD PENETRATION TEST
UNDISTURBED SAMPLE
WATER TABLE (24 HRS)
WATER TABLE (TIME OF BORING)
L LABORATORY TEST LOCATION
\+ PENETROMETER (TONS/ SQ. FT)
NR NO RECOVERY

JOB NUMBER : Select Energy/ 21-0105-04
HOLE DIAMETER : 5"
LOCATION : Mack PW Release
LAI GEOLOGIST : T. Jackson & M. Baker
DRILLING CONTRACTOR : SDI
DRILLING METHOD : Air Rotary

Larson & Associates, Inc. Environmental Consultants

DRILL DATE : 10/06/2021

BORING NUMBER : BH-1

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)

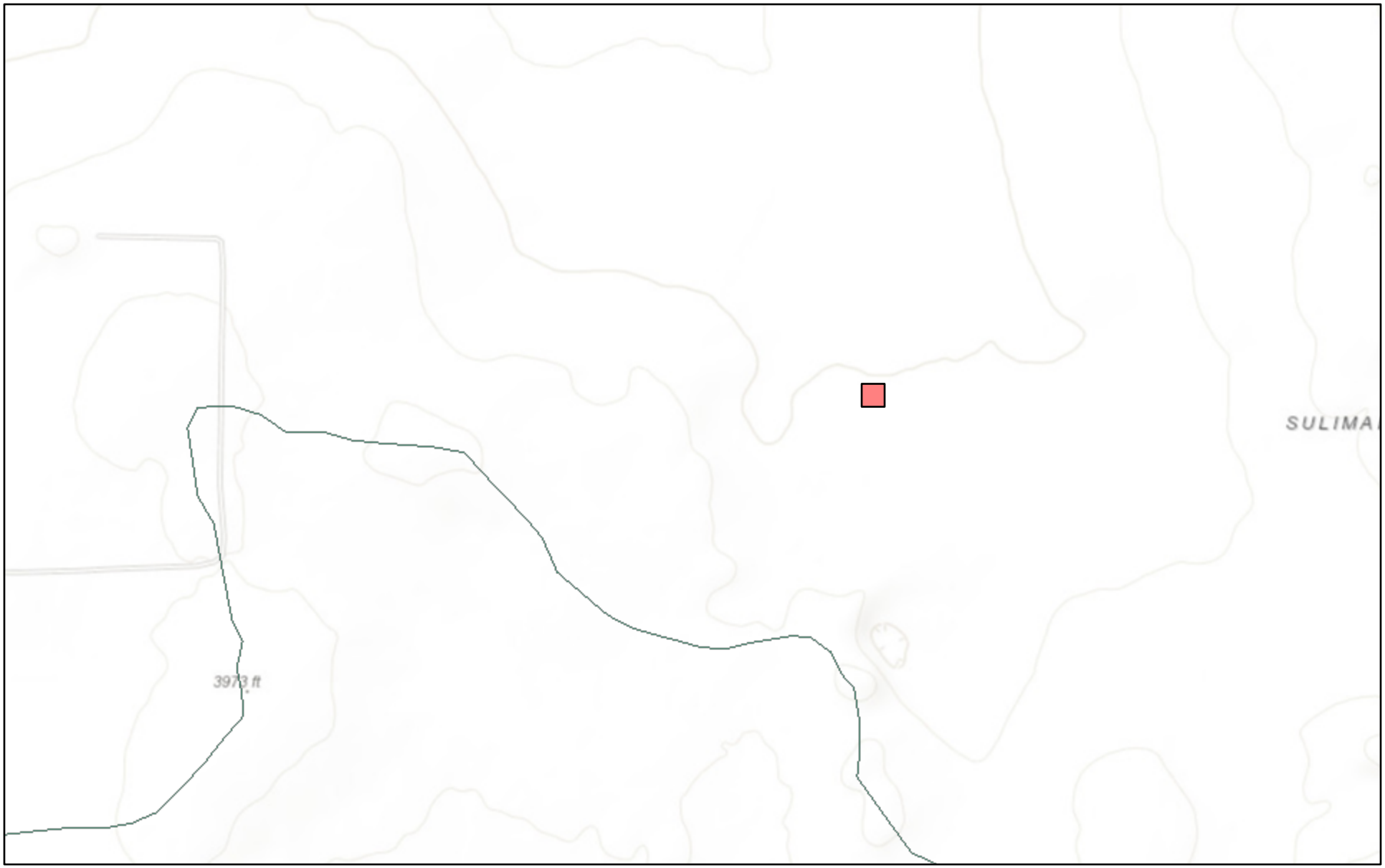
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
20765	L 14514 POD1	2	2	1	32	15S	36E	595494	3649622

Driller License:	1611	**Driller Company:**	GOERTZEN DRILLING		
Driller Name:	JOHN GOERTZEN				
Drill Start Date:	08/09/2018	**Drill Finish Date:**	08/10/2018	**Plug Date:**	
Log File Date:	08/17/2018	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	5.00	**Depth Well:**	208 feet	**Depth Water:**	77 feet

Water Bearing Stratifications:	Top	Bottom	Description
	104	125	Sandstone/Gravel/Conglomerate
	125	150	Sandstone/Gravel/Conglomerate
	150	160	Sandstone/Gravel/Conglomerate
	162	175	Other/Unknown
	175	185	Sandstone/Gravel/Conglomerate
	185	202	Sandstone/Gravel/Conglomerate
	202	205	Other/Unknown
	205	208	Other/Unknown

Casing Perforations:	Top	Bottom
	0	208

New Mexico NFHL Data



August 3, 2023

1:9,028

0 0.05 0.1 0.2 mi

0 0.1 0.2 0.4 km

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

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

APPENDIX E

CARMONA RESOURCES

CARDINAL Laboratories

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

August 21, 2023

CLINT MERRITT

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: M-CHAVEZ-8-S-07262023

Enclosed are the results of analyses for samples received by the laboratory on 08/16/23 12:16.

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 accreditated through the State of Colorado Department of Public Health and Environment for:

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

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

CARDINAL Laboratories

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

Analytical Results For:

CARMONA RESOURCES
CLINT MERRITT
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	08/16/2023	Sampling Date:	08/16/2023
Reported:	08/21/2023	Sampling Type:	Soil
Project Name:	M-CHAVEZ-8-S-07262023	Sampling Condition:	Cool & Intact
Project Number:	2112	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO MIDSTREAM - EDDY CO., NM		

Sample ID: S - 1 (0-1') (H234423-01)

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	08/17/2023	ND	1.93	96.7	2.00	3.20	
Toluene*	<0.050	0.050	08/17/2023	ND	1.85	92.4	2.00	3.89	
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	1.88	94.2	2.00	2.82	
Total Xylenes*	<0.150	0.150	08/17/2023	ND	5.70	95.0	6.00	2.45	
Total BTEX	<0.300	0.300	08/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/16/2023	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	08/16/2023	ND	197	98.3	200	5.17	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	185	92.4	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane *81.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *82.7 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

CARMONA RESOURCES
CLINT MERRITT
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	08/16/2023	Sampling Date:	08/16/2023
Reported:	08/21/2023	Sampling Type:	Soil
Project Name:	M-CHAVEZ-8-S-07262023	Sampling Condition:	Cool & Intact
Project Number:	2112	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO MIDSTREAM - EDDY CO., NM		

Sample ID: S - 1 (1.5') (H234423-02)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2023	ND	1.93	96.7	2.00	3.20	
Toluene*	<0.050	0.050	08/17/2023	ND	1.85	92.4	2.00	3.89	
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	1.88	94.2	2.00	2.82	
Total Xylenes*	<0.150	0.150	08/17/2023	ND	5.70	95.0	6.00	2.45	
Total BTEX	<0.300	0.300	08/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.3 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	08/16/2023	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	08/16/2023	ND	197	98.3	200	5.17	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	185	92.4	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane *73.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *74.3 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

CARMONA RESOURCES
CLINT MERRITT
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	08/16/2023	Sampling Date:	08/16/2023
Reported:	08/21/2023	Sampling Type:	Soil
Project Name:	M-CHAVEZ-8-S-07262023	Sampling Condition:	Cool & Intact
Project Number:	2112	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO MIDSTREAM - EDDY CO., NM		

Sample ID: S - 1 (2') (H234423-03)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2023	ND	1.93	96.7	2.00	3.20	
Toluene*	<0.050	0.050	08/17/2023	ND	1.85	92.4	2.00	3.89	
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	1.88	94.2	2.00	2.82	
Total Xylenes*	<0.150	0.150	08/17/2023	ND	5.70	95.0	6.00	2.45	
Total BTEX	<0.300	0.300	08/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	08/16/2023	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	08/16/2023	ND	197	98.3	200	5.17	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	185	92.4	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane *74.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *75.3 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

CARMONA RESOURCES
CLINT MERRITT
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	08/16/2023	Sampling Date:	08/16/2023
Reported:	08/21/2023	Sampling Type:	Soil
Project Name:	M-CHAVEZ-8-S-07262023	Sampling Condition:	Cool & Intact
Project Number:	2112	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO MIDSTREAM - EDDY CO., NM		

Sample ID: S - 2 (0-1') (H234423-04)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2023	ND	1.93	96.7	2.00	3.20	
Toluene*	<0.050	0.050	08/17/2023	ND	1.85	92.4	2.00	3.89	
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	1.88	94.2	2.00	2.82	
Total Xylenes*	<0.150	0.150	08/17/2023	ND	5.70	95.0	6.00	2.45	
Total BTEX	<0.300	0.300	08/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	08/16/2023	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	08/16/2023	ND	197	98.3	200	5.17	
DRO >C10-C28*	**139**	10.0	08/16/2023	ND	185	92.4	200	1.48	
EXT DRO >C28-C36	**79.4**	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane *74.1 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *91.3 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

CARMONA RESOURCES
CLINT MERRITT
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	08/16/2023	Sampling Date:	08/16/2023
Reported:	08/21/2023	Sampling Type:	Soil
Project Name:	M-CHAVEZ-8-S-07262023	Sampling Condition:	Cool & Intact
Project Number:	2112	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO MIDSTREAM - EDDY CO., NM		

Sample ID: S - 2 (1.5') (H234423-05)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2023	ND	1.93	96.7	2.00	3.20	
Toluene*	<0.050	0.050	08/17/2023	ND	1.85	92.4	2.00	3.89	
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	1.88	94.2	2.00	2.82	
Total Xylenes*	<0.150	0.150	08/17/2023	ND	5.70	95.0	6.00	2.45	
Total BTEX	<0.300	0.300	08/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/16/2023	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	08/16/2023	ND	197	98.3	200	5.17	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	185	92.4	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane *89.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *88.9 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

CARMONA RESOURCES
CLINT MERRITT
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	08/16/2023	Sampling Date:	08/16/2023
Reported:	08/21/2023	Sampling Type:	Soil
Project Name:	M-CHAVEZ-8-S-07262023	Sampling Condition:	Cool & Intact
Project Number:	2112	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO MIDSTREAM - EDDY CO., NM		

Sample ID: S - 2 (2') (H234423-06)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2023	ND	1.93	96.7	2.00	3.20	
Toluene*	<0.050	0.050	08/17/2023	ND	1.85	92.4	2.00	3.89	
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	1.88	94.2	2.00	2.82	
Total Xylenes*	<0.150	0.150	08/17/2023	ND	5.70	95.0	6.00	2.45	
Total BTEX	<0.300	0.300	08/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/16/2023	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	08/16/2023	ND	197	98.3	200	5.17	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	185	92.4	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane *86.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *87.2 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

CARMONA RESOURCES
CLINT MERRITT
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	08/16/2023	Sampling Date:	08/16/2023
Reported:	08/21/2023	Sampling Type:	Soil
Project Name:	M-CHAVEZ-8-S-07262023	Sampling Condition:	Cool & Intact
Project Number:	2112	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO MIDSTREAM - EDDY CO., NM		

Sample ID: S - 3 (0-1') (H234423-07)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2023	ND	1.93	96.7	2.00	3.20	
Toluene*	<0.050	0.050	08/17/2023	ND	1.85	92.4	2.00	3.89	
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	1.88	94.2	2.00	2.82	
Total Xylenes*	<0.150	0.150	08/17/2023	ND	5.70	95.0	6.00	2.45	
Total BTEX	<0.300	0.300	08/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/17/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/17/2023	ND	197	98.3	200	5.17	
DRO >C10-C28*	<10.0	10.0	08/17/2023	ND	185	92.4	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	08/17/2023	ND					

Surrogate: 1-Chlorooctane *88.1 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *88.5 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

CARMONA RESOURCES
CLINT MERRITT
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	08/16/2023	Sampling Date:	08/16/2023
Reported:	08/21/2023	Sampling Type:	Soil
Project Name:	M-CHAVEZ-8-S-07262023	Sampling Condition:	Cool & Intact
Project Number:	2112	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO MIDSTREAM - EDDY CO., NM		

Sample ID: S - 3 (1.5') (H234423-08)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2023	ND	1.93	96.7	2.00	3.20	
Toluene*	<0.050	0.050	08/17/2023	ND	1.85	92.4	2.00	3.89	
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	1.88	94.2	2.00	2.82	
Total Xylenes*	<0.150	0.150	08/17/2023	ND	5.70	95.0	6.00	2.45	
Total BTEX	<0.300	0.300	08/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.3 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/17/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/17/2023	ND	197	98.3	200	5.17	
DRO >C10-C28*	<10.0	10.0	08/17/2023	ND	185	92.4	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	08/17/2023	ND					

Surrogate: 1-Chlorooctane *83.1 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *86.0 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

CARMONA RESOURCES
CLINT MERRITT
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	08/16/2023	Sampling Date:	08/16/2023
Reported:	08/21/2023	Sampling Type:	Soil
Project Name:	M-CHAVEZ-8-S-07262023	Sampling Condition:	Cool & Intact
Project Number:	2112	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO MIDSTREAM - EDDY CO., NM		

Sample ID: S - 3 (2') (H234423-09)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2023	ND	1.93	96.7	2.00	3.20	
Toluene*	<0.050	0.050	08/17/2023	ND	1.85	92.4	2.00	3.89	
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	1.88	94.2	2.00	2.82	
Total Xylenes*	<0.150	0.150	08/17/2023	ND	5.70	95.0	6.00	2.45	
Total BTEX	<0.300	0.300	08/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.5 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/17/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/17/2023	ND	197	98.3	200	5.17	
DRO >C10-C28*	<10.0	10.0	08/17/2023	ND	185	92.4	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	08/17/2023	ND					

Surrogate: 1-Chlorooctane *92.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *92.5 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H234423

Page 1 of 5

Project Manager:	Clinton Merritt	Bill to: (if different)	Lupe Carrasco
Company Name:	Carmona Resources	Company Name:	Durango Midstream
Address:	310 W Wall St Ste 500	Address:	288 W. Kincaid Ranch Rd.
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Artesia, NM 88210
Phone:	432-813-6823	Email:	gcarrasco@durangomidstream.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	M-Chavez-8-S-07262023	Turn Around	
Project Number:	2112	☑ Routine ☐ Rush	
Project Location	Eddy County, New Mexico	Due Date:	Standard TAT
Sampler's Name:	FV		
PO #:			

SAMPLE RECEIPT

Temp Blank:	Yes (No)	Wet Ice:	Yes (No)
Received Intact:	(Yes) No	Thermometer ID:	140
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	0
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	5.4
Total Containers:		Corrected Temperature:	5.4

Preservative Codes

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

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	Sample Comments
1 S-1 (0-1')	8/16/2023		X		G	1		X	X	X	
2 S-1 (1.5')	8/16/2023		X		G	1		X	X	X	
3 S-1 (2')	8/16/2023		X		G	1		X	X	X	
4 S-2 (0-1')	8/16/2023		X		G	1		X	X	X	
5 S-2 (1.5')	8/16/2023		X		G	1		X	X	X	
6 S-2 (2')	8/16/2023		X		G	1		X	X	X	
7 S-3 (0-1')	8/16/2023		X		G	1		X	X	X	
8 S-3 (1.5')	8/16/2023		X		G	1		X	X	X	
9 S-3 (2')	8/16/2023		X		G	1		X	X	X	

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Fabian Vargas	8-16-23 1216	Tamara Oldaker	

CARDINAL Laboratories

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

August 21, 2023

CLINT MERRITT

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: M-CHAVEZ-8-S-07262023

Enclosed are the results of analyses for samples received by the laboratory on 08/16/23 12:16.

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 accreditated through the State of Colorado Department of Public Health and Environment for:

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

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

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

CARMONA RESOURCES
CLINT MERRITT
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	08/16/2023	Sampling Date:	08/16/2023
Reported:	08/21/2023	Sampling Type:	Soil
Project Name:	M-CHAVEZ-8-S-07262023	Sampling Condition:	Cool & Intact
Project Number:	2112	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO MIDSTREAM - EDDY CO., NM		

Sample ID: H - 1 (0-0.5') (H234422-01)

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	08/17/2023	ND	1.93	96.7	2.00	3.20	
Toluene*	<0.050	0.050	08/17/2023	ND	1.85	92.4	2.00	3.89	
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	1.88	94.2	2.00	2.82	
Total Xylenes*	<0.150	0.150	08/17/2023	ND	5.70	95.0	6.00	2.45	
Total BTEX	<0.300	0.300	08/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	08/16/2023	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	08/16/2023	ND	197	98.3	200	5.17	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	185	92.4	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane *69.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *71.0 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

CARMONA RESOURCES
CLINT MERRITT
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	08/16/2023	Sampling Date:	08/16/2023
Reported:	08/21/2023	Sampling Type:	Soil
Project Name:	M-CHAVEZ-8-S-07262023	Sampling Condition:	Cool & Intact
Project Number:	2112	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO MIDSTREAM - EDDY CO., NM		

Sample ID: H - 2 (0-0.5') (H234422-02)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2023	ND	1.93	96.7	2.00	3.20	
Toluene*	<0.050	0.050	08/17/2023	ND	1.85	92.4	2.00	3.89	
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	1.88	94.2	2.00	2.82	
Total Xylenes*	<0.150	0.150	08/17/2023	ND	5.70	95.0	6.00	2.45	
Total BTEX	<0.300	0.300	08/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/16/2023	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	08/16/2023	ND	197	98.3	200	5.17	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	185	92.4	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane *79.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *80.9 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

CARMONA RESOURCES
CLINT MERRITT
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	08/16/2023	Sampling Date:	08/16/2023
Reported:	08/21/2023	Sampling Type:	Soil
Project Name:	M-CHAVEZ-8-S-07262023	Sampling Condition:	Cool & Intact
Project Number:	2112	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO MIDSTREAM - EDDY CO., NM		

Sample ID: H - 3 (0-0.5') (H234422-03)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2023	ND	1.93	96.7	2.00	3.20	
Toluene*	<0.050	0.050	08/17/2023	ND	1.85	92.4	2.00	3.89	
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	1.88	94.2	2.00	2.82	
Total Xylenes*	<0.150	0.150	08/17/2023	ND	5.70	95.0	6.00	2.45	
Total BTEX	<0.300	0.300	08/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/16/2023	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	08/16/2023	ND	197	98.3	200	5.17	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	185	92.4	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane *81.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *83.4 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

CARMONA RESOURCES
CLINT MERRITT
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	08/16/2023	Sampling Date:	08/16/2023
Reported:	08/21/2023	Sampling Type:	Soil
Project Name:	M-CHAVEZ-8-S-07262023	Sampling Condition:	Cool & Intact
Project Number:	2112	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO MIDSTREAM - EDDY CO., NM		

Sample ID: H - 4 (0-0.5') (H234422-04)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2023	ND	1.93	96.7	2.00	3.20	
Toluene*	<0.050	0.050	08/17/2023	ND	1.85	92.4	2.00	3.89	
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	1.88	94.2	2.00	2.82	
Total Xylenes*	<0.150	0.150	08/17/2023	ND	5.70	95.0	6.00	2.45	
Total BTEX	<0.300	0.300	08/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	08/16/2023	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	08/16/2023	ND	197	98.3	200	5.17	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	185	92.4	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane *84.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *85.9 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H234423

Page 1 of 1

Project Manager:	Clinton Merritt	Bill to: (if different)	Lupe Carrasco
Company Name:	Carmona Resources	Company Name:	Durango Midstream
Address:	310 W Wall St Ste 500	Address:	288 W. Kincaid Ranch Rd.
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Artesia, NM 88210
Phone:	432-813-6823	Email:	gcarrasco@durangomidstream.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	M-Chavez-8-S-07262023	Turn Around	
Project Number:	2112	☑ Routine ☐ Rush	
Project Location	Eddy County, New Mexico	Due Date:	Standard TAT
Sampler's Name:	FV		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID:	140
Cooler Custody Seals:	Yes No N/A	Correction Factor:	—
Sample Custody Seals:	Yes No N/A	Temperature Reading:	5.4°c
Total Containers:		Corrected Temperature:	—

Preservative Codes

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

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	Sample Comments
H-1 (0-0.5')	8/16/2023		X		G	1	X	X	X	
H-2 (0-0.5')	8/16/2023		X		G	1	X	X	X	
H-3 (0-0.5')	8/16/2023		X		G	1	X	X	X	
H-4 (0-0.5')	8/16/2023		X		G	1	X	X	X	

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Fabian Vargas	8-16-23 1216		

CARDINAL Laboratories

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

October 12, 2023

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: M-CHAVEZ-8-S-07262023

Enclosed are the results of analyses for samples received by the laboratory on 10/09/23 13:17.

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 accreditated through the State of Colorado Department of Public Health and Environment for:

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

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

CARDINAL Laboratories

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:	10/09/2023	Sampling Date:	10/06/2023
Reported:	10/12/2023	Sampling Type:	Soil
Project Name:	M-CHAVEZ-8-S-07262023	Sampling Condition:	Cool & Intact
Project Number:	2112	Sample Received By:	Dionica Hinojos
Project Location:	DURANGO - CHAVEZ CO., NM		

Sample ID: CS - 1 (1.5') (H235489-01)

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	10/10/2023	ND	2.19	109	2.00	1.18	
Toluene*	<0.050	0.050	10/10/2023	ND	2.02	101	2.00	2.25	
Ethylbenzene*	<0.050	0.050	10/10/2023	ND	2.01	101	2.00	2.37	
Total Xylenes*	<0.150	0.150	10/10/2023	ND	5.96	99.3	6.00	3.30	
Total BTEX	<0.300	0.300	10/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	10/11/2023	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	10/10/2023	ND	217	108	200	4.73	
DRO >C10-C28*	<10.0	10.0	10/10/2023	ND	217	109	200	5.90	
EXT DRO >C28-C36	<10.0	10.0	10/10/2023	ND					

Surrogate: 1-Chlorooctane *84.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *91.9 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	10/09/2023	Sampling Date:	10/06/2023
Reported:	10/12/2023	Sampling Type:	Soil
Project Name:	M-CHAVEZ-8-S-07262023	Sampling Condition:	Cool & Intact
Project Number:	2112	Sample Received By:	Dionica Hinojos
Project Location:	DURANGO - CHAVEZ CO., NM		

Sample ID: CS - 2 (1.5') (H235489-02)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2023	ND	2.19	109	2.00	1.18	
Toluene*	<0.050	0.050	10/10/2023	ND	2.02	101	2.00	2.25	
Ethylbenzene*	<0.050	0.050	10/10/2023	ND	2.01	101	2.00	2.37	
Total Xylenes*	<0.150	0.150	10/10/2023	ND	5.96	99.3	6.00	3.30	
Total BTEX	<0.300	0.300	10/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *117 %* *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	10/11/2023	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	10/10/2023	ND	217	108	200	4.73	
DRO >C10-C28*	<10.0	10.0	10/10/2023	ND	217	109	200	5.90	
EXT DRO >C28-C36	<10.0	10.0	10/10/2023	ND					

Surrogate: 1-Chlorooctane *80.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *87.4 %* *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:	10/09/2023	Sampling Date:	10/06/2023
Reported:	10/12/2023	Sampling Type:	Soil
Project Name:	M-CHAVEZ-8-S-07262023	Sampling Condition:	Cool & Intact
Project Number:	2112	Sample Received By:	Dionica Hinojos
Project Location:	DURANGO - CHAVEZ CO., NM		

Sample ID: CS - 3 (1.5') (H235489-03)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2023	ND	2.19	109	2.00	1.18	
Toluene*	<0.050	0.050	10/10/2023	ND	2.02	101	2.00	2.25	
Ethylbenzene*	<0.050	0.050	10/10/2023	ND	2.01	101	2.00	2.37	
Total Xylenes*	<0.150	0.150	10/10/2023	ND	5.96	99.3	6.00	3.30	
Total BTEX	<0.300	0.300	10/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	10/11/2023	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	10/10/2023	ND	217	108	200	4.73	
DRO >C10-C28*	<10.0	10.0	10/10/2023	ND	217	109	200	5.90	
EXT DRO >C28-C36	<10.0	10.0	10/10/2023	ND					

Surrogate: 1-Chlorooctane *78.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *83.5 %* *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:	10/09/2023	Sampling Date:	10/06/2023
Reported:	10/12/2023	Sampling Type:	Soil
Project Name:	M-CHAVEZ-8-S-07262023	Sampling Condition:	Cool & Intact
Project Number:	2112	Sample Received By:	Dionica Hinojos
Project Location:	DURANGO - CHAVEZ CO., NM		

Sample ID: CS - 4 (1.5') (H235489-04)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2023	ND	2.19	109	2.00	1.18	
Toluene*	<0.050	0.050	10/10/2023	ND	2.02	101	2.00	2.25	
Ethylbenzene*	<0.050	0.050	10/10/2023	ND	2.01	101	2.00	2.37	
Total Xylenes*	<0.150	0.150	10/10/2023	ND	5.96	99.3	6.00	3.30	
Total BTEX	<0.300	0.300	10/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *118 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	10/11/2023	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	10/10/2023	ND	217	108	200	4.73	
DRO >C10-C28*	<10.0	10.0	10/10/2023	ND	217	109	200	5.90	
EXT DRO >C28-C36	<10.0	10.0	10/10/2023	ND					

Surrogate: 1-Chlorooctane *81.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *88.5 %* *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:	10/09/2023	Sampling Date:	10/06/2023
Reported:	10/12/2023	Sampling Type:	Soil
Project Name:	M-CHAVEZ-8-S-07262023	Sampling Condition:	Cool & Intact
Project Number:	2112	Sample Received By:	Dionica Hinojos
Project Location:	DURANGO - CHAVEZ CO., NM		

Sample ID: CS - 5 (7.0') (H235489-05)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2023	ND	2.19	109	2.00	1.18	
Toluene*	<0.050	0.050	10/10/2023	ND	2.02	101	2.00	2.25	
Ethylbenzene*	<0.050	0.050	10/10/2023	ND	2.01	101	2.00	2.37	
Total Xylenes*	<0.150	0.150	10/10/2023	ND	5.96	99.3	6.00	3.30	
Total BTEX	<0.300	0.300	10/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	10/10/2023	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	10/10/2023	ND	217	108	200	4.73	
DRO >C10-C28*	<10.0	10.0	10/10/2023	ND	217	109	200	5.90	
EXT DRO >C28-C36	<10.0	10.0	10/10/2023	ND					

Surrogate: 1-Chlorooctane *78.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *85.0 %* *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:	10/09/2023	Sampling Date:	10/06/2023
Reported:	10/12/2023	Sampling Type:	Soil
Project Name:	M-CHAVEZ-8-S-07262023	Sampling Condition:	Cool & Intact
Project Number:	2112	Sample Received By:	Dionica Hinojos
Project Location:	DURANGO - CHAVEZ CO., NM		

Sample ID: SW - 1 (1.5') (H235489-06)

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	10/10/2023	ND	2.12	106	2.00	1.64	
Toluene*	<0.050	0.050	10/10/2023	ND	2.02	101	2.00	0.890	
Ethylbenzene*	<0.050	0.050	10/10/2023	ND	2.10	105	2.00	0.810	
Total Xylenes*	<0.150	0.150	10/10/2023	ND	6.21	104	6.00	0.142	
Total BTEX	<0.300	0.300	10/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	10/10/2023	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	10/10/2023	ND	214	107	200	1.01	
DRO >C10-C28*	<10.0	10.0	10/10/2023	ND	226	113	200	2.19	
EXT DRO >C28-C36	<10.0	10.0	10/10/2023	ND					

Surrogate: 1-Chlorooctane *85.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *102 %* *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:	10/09/2023	Sampling Date:	10/06/2023
Reported:	10/12/2023	Sampling Type:	Soil
Project Name:	M-CHAVEZ-8-S-07262023	Sampling Condition:	Cool & Intact
Project Number:	2112	Sample Received By:	Dionica Hinojos
Project Location:	DURANGO - CHAVEZ CO., NM		

Sample ID: SW - 2 (1.5') (H235489-07)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2023	ND	2.12	106	2.00	1.64	
Toluene*	<0.050	0.050	10/10/2023	ND	2.02	101	2.00	0.890	
Ethylbenzene*	<0.050	0.050	10/10/2023	ND	2.10	105	2.00	0.810	
Total Xylenes*	<0.150	0.150	10/10/2023	ND	6.21	104	6.00	0.142	
Total BTEX	<0.300	0.300	10/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.2 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/10/2023	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	10/10/2023	ND	214	107	200	1.01	
DRO >C10-C28*	<10.0	10.0	10/10/2023	ND	226	113	200	2.19	
EXT DRO >C28-C36	<10.0	10.0	10/10/2023	ND					

Surrogate: 1-Chlorooctane *92.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *114 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

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

Received:	10/09/2023	Sampling Date:	10/06/2023
Reported:	10/12/2023	Sampling Type:	Soil
Project Name:	M-CHAVEZ-8-S-07262023	Sampling Condition:	Cool & Intact
Project Number:	2112	Sample Received By:	Dionica Hinojos
Project Location:	DURANGO - CHAVEZ CO., NM		

Sample ID: SW - 3 (1.5') (H235489-08)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2023	ND	2.12	106	2.00	1.64	
Toluene*	<0.050	0.050	10/10/2023	ND	2.02	101	2.00	0.890	
Ethylbenzene*	<0.050	0.050	10/10/2023	ND	2.10	105	2.00	0.810	
Total Xylenes*	<0.150	0.150	10/10/2023	ND	6.21	104	6.00	0.142	
Total BTEX	<0.300	0.300	10/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	10/10/2023	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	10/10/2023	ND	214	107	200	1.01	
DRO >C10-C28*	<10.0	10.0	10/10/2023	ND	226	113	200	2.19	
EXT DRO >C28-C36	<10.0	10.0	10/10/2023	ND					

Surrogate: 1-Chlorooctane *81.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *100 %* *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:	10/09/2023	Sampling Date:	10/06/2023
Reported:	10/12/2023	Sampling Type:	Soil
Project Name:	M-CHAVEZ-8-S-07262023	Sampling Condition:	Cool & Intact
Project Number:	2112	Sample Received By:	Dionica Hinojos
Project Location:	DURANGO - CHAVEZ CO., NM		

Sample ID: SW - 4 (5.5') (H235489-09)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2023	ND	2.12	106	2.00	1.64	
Toluene*	<0.050	0.050	10/10/2023	ND	2.02	101	2.00	0.890	
Ethylbenzene*	<0.050	0.050	10/10/2023	ND	2.10	105	2.00	0.810	
Total Xylenes*	<0.150	0.150	10/10/2023	ND	6.21	104	6.00	0.142	
Total BTEX	<0.300	0.300	10/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.3 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	10/10/2023	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	10/10/2023	ND	214	107	200	1.01	
DRO >C10-C28*	<10.0	10.0	10/10/2023	ND	226	113	200	2.19	
EXT DRO >C28-C36	<10.0	10.0	10/10/2023	ND					

Surrogate: 1-Chlorooctane *110 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *136 %* *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:	10/09/2023	Sampling Date:	10/06/2023
Reported:	10/12/2023	Sampling Type:	Soil
Project Name:	M-CHAVEZ-8-S-07262023	Sampling Condition:	Cool & Intact
Project Number:	2112	Sample Received By:	Dionica Hinojos
Project Location:	DURANGO - CHAVEZ CO., NM		

Sample ID: SW - 5 (7.0') (H235489-10)

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	10/10/2023	ND	2.12	106	2.00	1.64	
Toluene*	<0.050	0.050	10/10/2023	ND	2.02	101	2.00	0.890	
Ethylbenzene*	<0.050	0.050	10/10/2023	ND	2.10	105	2.00	0.810	
Total Xylenes*	<0.150	0.150	10/10/2023	ND	6.21	104	6.00	0.142	
Total BTEX	<0.300	0.300	10/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.8 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/10/2023	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	10/10/2023	ND	214	107	200	1.01	
DRO >C10-C28*	<10.0	10.0	10/10/2023	ND	226	113	200	2.19	
EXT DRO >C28-C36	<10.0	10.0	10/10/2023	ND					

Surrogate: 1-Chlorooctane *93.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *115 %* *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:	10/09/2023	Sampling Date:	10/06/2023
Reported:	10/12/2023	Sampling Type:	Soil
Project Name:	M-CHAVEZ-8-S-07262023	Sampling Condition:	Cool & Intact
Project Number:	2112	Sample Received By:	Dionica Hinojos
Project Location:	DURANGO - CHAVEZ CO., NM		

Sample ID: SW - 6 (7.0') (H235489-11)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2023	ND	2.12	106	2.00	1.64	
Toluene*	<0.050	0.050	10/10/2023	ND	2.02	101	2.00	0.890	
Ethylbenzene*	<0.050	0.050	10/10/2023	ND	2.10	105	2.00	0.810	
Total Xylenes*	<0.150	0.150	10/10/2023	ND	6.21	104	6.00	0.142	
Total BTEX	<0.300	0.300	10/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.5 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	10/10/2023	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	10/10/2023	ND	214	107	200	1.01	
DRO >C10-C28*	<10.0	10.0	10/10/2023	ND	226	113	200	2.19	
EXT DRO >C28-C36	<10.0	10.0	10/10/2023	ND					

Surrogate: 1-Chlorooctane *119 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *147 %* *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:	10/09/2023	Sampling Date:	10/06/2023
Reported:	10/12/2023	Sampling Type:	Soil
Project Name:	M-CHAVEZ-8-S-07262023	Sampling Condition:	Cool & Intact
Project Number:	2112	Sample Received By:	Dionica Hinojos
Project Location:	DURANGO - CHAVEZ CO., NM		

Sample ID: SW - 7 (7.0') (H235489-12)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2023	ND	2.12	106	2.00	1.64	
Toluene*	<0.050	0.050	10/10/2023	ND	2.02	101	2.00	0.890	
Ethylbenzene*	<0.050	0.050	10/10/2023	ND	2.10	105	2.00	0.810	
Total Xylenes*	<0.150	0.150	10/10/2023	ND	6.21	104	6.00	0.142	
Total BTEX	<0.300	0.300	10/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.0 %* *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	10/10/2023	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	10/10/2023	ND	214	107	200	1.01	
DRO >C10-C28*	<10.0	10.0	10/10/2023	ND	226	113	200	2.19	
EXT DRO >C28-C36	<10.0	10.0	10/10/2023	ND					

Surrogate: 1-Chlorooctane *92.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *110 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H23548 9

Page 1 of 2

Project Manager:	Conner Moehring	Bill to: (if different)	Lupe Carrasco
Company Name:	Carmona Resources	Company Name:	Durango Midstream
Address:	310 W Wall St Ste 500	Address:	288 W. Kincaid Ranch Rd.
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Artesia, NM 88210
Phone:	432-813-6823	Email:	gcarrasco@durangomidstream.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	M-Chavez-8-S-07262023	Turn Around	
Project Number:	2112	☑ Routine ☐ Rush	
Project Location	Chaves County, New Mexico	Due Date:	Standard TAT
Sampler's Name:	MM		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	Yes (No)
Received Intact:	(Yes) No	Thermometer ID:	140
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	—
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	2.5°C
Total Containers:		Corrected Temperature:	—

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500
1 CS-1 (1.5')	10/6/232		X		C	1	X	X	X
2 CS-2 (1.5')	10/6/232		X		C	1	X	X	X
3 CS-3 (1.5')	10/6/232		X		C	1	X	X	X
4 CS-4 (1.5')	10/6/232		X		C	1	X	X	X
5 CS-5 (7.0')	10/6/232		X		C	1	X	X	X
6 SW-1 (1.5')	10/6/232		X		C	1	X	X	X
7 SW-2 (1.5')	10/6/232		X		C	1	X	X	X
8 SW-3 (1.5')	10/6/232		X		C	1	X	X	X
9 SW-4 (5.5')	10/6/232		X		C	1	X	X	X
10 SW-5 (7.0')	10/6/232		X		C	1	X	X	X

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Comments

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	10.6.23 13:17		

Chain of Custody

Work Order No: H235489

Page 2 of 2

Project Manager:	Conner Moehring	Bill to: (if different)	Lupe Carrasco
Company Name:	Carmona Resources	Company Name:	Durango Midstream
Address:	310 W Wall St Ste 500	Address:	288 W. Kincaid Ranch Rd.
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Artesia, NM 88210
Phone:	432-813-6823	Email:	gcarrasco@durangomidstream.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ rownfields ☐ RC ☐ perfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	M-Chavez-8-S-07262023	Turn Around	
Project Number:	2112	☑ Routine ☐ Rush	
Project Location	Chaves County, New Mexico	Due Date:	Standard TAT
Sampler's Name:	MM		
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	Yes (No)	
Received Intact:	(Yes) No	Thermometer ID:	140	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	—	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	2.5	
Total Containers:		Corrected Temperature:	—	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

	Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	Sample Comments
11	SW-6 (7.0')	10/6/232		X		C	1		X	X	X	
12	SW-7 (7.0')	10/6/232		X		C	1		X	X	X	

Parameters

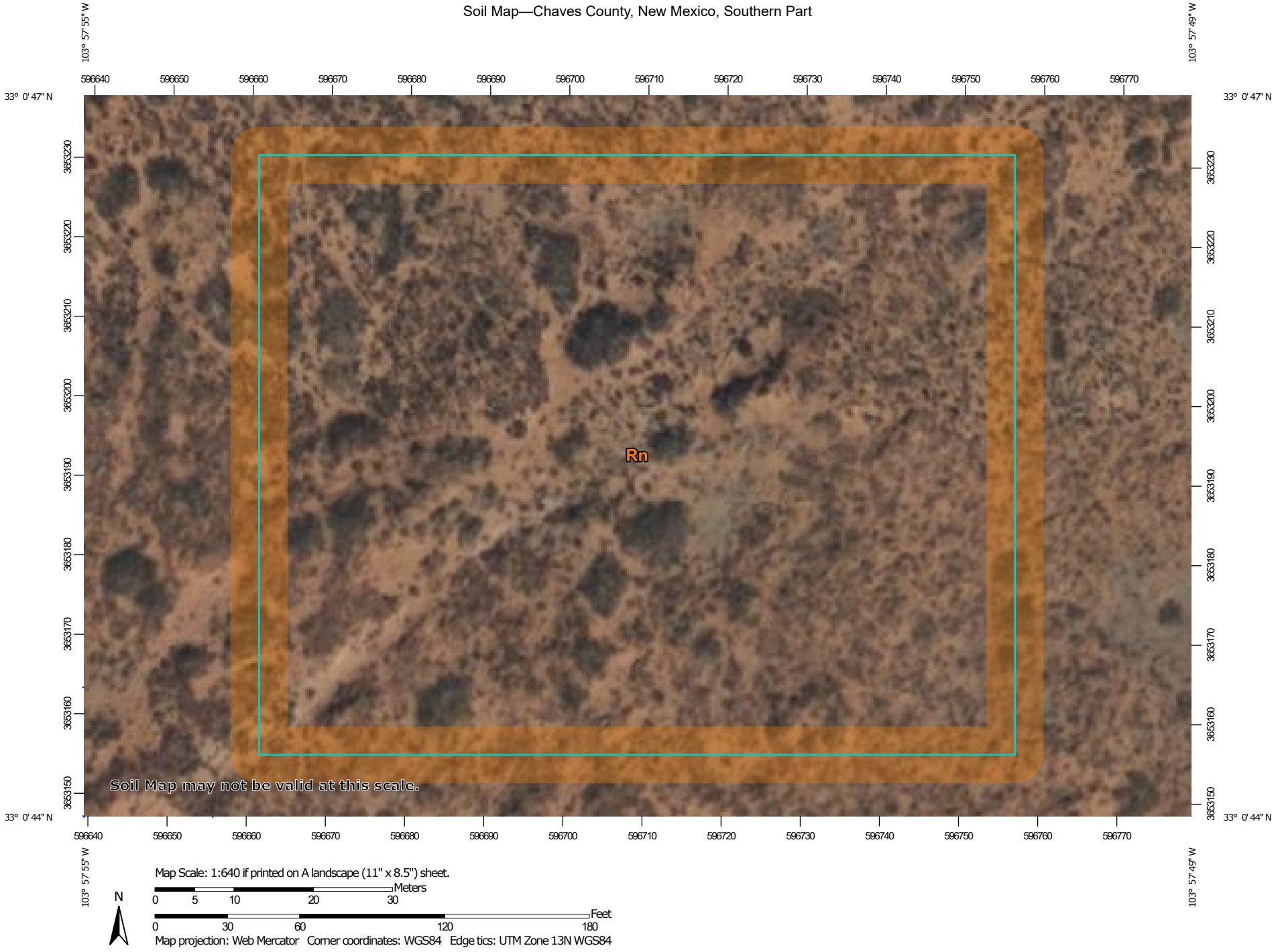
Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	10/9/23 13:17		

APPENDIX F

CARMONA RESOURCES

Soil Map—Chaves County, New Mexico, Southern Part



Map Scale: 1:640 if printed on A landscape (11" x 8.5") sheet.

N

Meters
0 5 10 20 30

Feet
0 30 60 120 180

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

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

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

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

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

Soil Survey Area: Chaves County, New Mexico, Southern Part
Survey Area Data: Version 18, Sep 7, 2023

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

Date(s) aerial images were photographed: Feb 5, 2021—Feb 8, 2021

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

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Rn	Roswell-Jalmar complex	1.8	100.0%
Totals for Area of Interest		**1.8**	**100.0%**

Chaves County, New Mexico, Southern Part

Rn—Roswell-Jalmar complex

Map Unit Setting

National map unit symbol: 1w87
Elevation: 3,500 to 4,100 feet
Mean annual precipitation: 12 to 13 inches
Mean annual air temperature: 59 to 61 degrees F
Frost-free period: 190 to 205 days
Farmland classification: Not prime farmland

Map Unit Composition

Roswell and similar soils: 60 percent
Jalmar and similar soils: 25 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Roswell

Setting

Landform: Valleys, plains, alluvial fans
Landform position (three-dimensional): Rise
Down-slope shape: Convex, linear
Across-slope shape: Convex, linear
Parent material: Mixed alluvium and/or eolian deposits derived from sedimentary rock

Typical profile

H1 - 0 to 5 inches: fine sand
H2 - 5 to 88 inches: fine sand

Properties and qualities

Slope: 1 to 15 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): High to very high (6.00 to 20.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 2 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 4.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: A
Ecological site: R070BY061NM - Sandhills
Hydric soil rating: No

Description of Jalmar

Setting

Landform: Alluvial fans, plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear, convex
Across-slope shape: Linear, convex
Parent material: Mixed alluvium and/or eolian deposits derived from sedimentary rock

Typical profile

H1 - 0 to 32 inches: fine sand
H2 - 32 to 64 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 25 percent
Gypsum, maximum content: 10 percent
Maximum salinity: Very slightly saline to slightly saline (2.0 to 6.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 5.5 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability classification (nonirrigated): 6e
Hydrologic Soil Group: B
Ecological site: R070BY063NM - Deep Sand
Hydric soil rating: No

Minor Components

Faskin

Percent of map unit: 8 percent
Ecological site: R070BY055NM - Sandy Plains
Hydric soil rating: No

Malstrom

Percent of map unit: 7 percent
Ecological site: R070BY055NM - Sandy Plains

Hydric soil rating: No

Data Source Information

Soil Survey Area: Chaves County, New Mexico, Southern Part
Survey Area Data: Version 18, Sep 7, 2023

BLM Serial #:

Company Reference:

3.2 Seed Mixture for LPC Sand/Shinnery Sites

The holder shall seed all disturbed areas with the seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)* per acre. There shall be no primary or secondary noxious weeds in the seed mixture. Seed will be tested and the viability testing of seed will be done in accordance with State law(s) and within nine (9) months prior to purchase. Commercial seed will be either certified or registered seed. The seed container will be tagged in accordance with State law(s) and available for inspection by the authorized officer.

Seed will be planted using a drill equipped with a depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area (smaller/heavier seeds have a tendency to drop the bottom of the drill and are planted first). The holder shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. The seeding will be repeated until a satisfactory stand is established as determined by the authorized officer. Evaluation of growth will not be made before completion of at least one full growing season after seeding.

Species to be planted in pounds of pure live seed* per acre:

Species	lb/acre
Plains Bristlegrass	5lbs/A
Sand Bluestem	5lbs/A
Little Bluestem	3lbs/A
Big Bluestem	6lbs/A
Plains Coreopsis	2lbs/A
Sand Dropseed	1lbs/A

*Pounds of pure live seed: Pounds of seed **x** percent purity **x** percent germination = pounds pure live seed

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 284345

CONDITIONS

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 284345
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2321447226 M-CHAVEZ-8-S-07262023, thank you. This Remediation Closure Report is approved. The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical.	3/15/2024
rhamlet	Pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan. A revegetation report will not be accepted until the release area, including areas reasonably needed for production or drilling activities, are complete. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable. All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil.	3/15/2024
rhamlet	Information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved. OR Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used if the requirements of the surface owner provide equal or better protection of freshwater, human health, and the environment. A copy of the approval of the reclamation and revegetation report from the surface owner and a copy of the approved reclamation and revegetation report will need to be submitted to the OCD via the Permitting website.	3/15/2024