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## **Remediation and Closure Report**

Falcon 3 Federal Battery  
Talon Project # 701307.125.01

### **Prepared For:**

Lime Rock Resources  
1111 Bagby St. Suite 4600  
Houston, TX 77002

### **Prepared By:**

TALON/LPE  
408 W. Texas Avenue  
Artesia, New Mexico 88210

**February 17, 2019**

Mr. Jim Amos  
**BLM Carlsbad Field Office**  
620 East Greene Street  
Carlsbad, NM 88220

Mr. Mike Bratcher  
**NMOCD District 2**  
811 S. 1<sup>st</sup> Street  
Artesia, NM 88210

Subject: **Remediation and Closure Report**  
Falcon 3 Federal Battery  
Eddy County, NM

Dear Mr. Amos & Mr. Bratcher,

Lime Rock Resources contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above-referenced location. The results of our remediation and closure request are contained herein. The incident descriptions, soil sampling results, remedial actions, and closure requests are presented herein.

### Site Information

Falcon 3 Federal Battery is located approximately eight (8) miles southeast of Artesia, New Mexico. The legal location for this release is Unit Letter G, Section 3, Township 18 South and Range 27 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.77961 North and -104.26479 West. A Site Map is presented in [Appendix I](#).

According to the soil survey provided by the United States Department of Agriculture Natural Resources Conservation Service, the soil in this area is made up of Gypsum lands. Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology is Guadalupian in age and is comprised of weathered gypsum. Drainage courses in this area are well-drained.

### Ground Water and Site Ranking

The New Mexico Office of the State Engineer Database indicates the average reported depth to groundwater is 50-feet below ground surface (BGS). See [Appendix II](#) for the referenced groundwater depth. This site is located within a high potential Karst area.

If a release occurs within the following areas, the responsible party must treat the release as if it occurred less than 50 feet to the groundwater in Table I, New Mexico Oil Conservation Division (NMOCD) Rule 19.15.29 NMAC.

Approximate Depth to Groundwater	50 Feet/BGS
----------------------------------	-------------

- |   |   |
|---|---|
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Within 300 feet of any continuously flowing watercourse or any other significant watercourse  |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Within 200 feet of any lakebed, sinkhole or playa lake  |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Within 300 feet from an occupied permanent residence, school, hospital, institution or church   |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Within 500 feet of a spring or a private, domestic freshwater well used by less than five households for domestic or stock watering purposes                                  |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Within 1000 feet of any freshwater well or spring   |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Within incorporated municipal boundaries or within a defined Municipal freshwater well field covered under a municipal ordinance adopted pursuant to Section 3-2703 NMSA 1978 |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Within 300 feet of a wetland  |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Within the area overlying a subsurface mine   |
| <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Within an unstable area, yes, a high Karst area   |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Within a 100-year floodplain  |

Table I Closure Criteria for Soils Impacted by a Release			
Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/l TDS	Constituent	Method*	Limit**
50 feet	Total Chlorides***	EPA 300.0 or SM4500 Cl B	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

## Incident Description

On September 23, 2019, a 2.0-inch steel circulating line developed a hole due to corrosion releasing 10 bbls of oil. Lime Rock immediately placed an emergency one-call and dispatched vac trucks, which was able to recover 4 bbls of oil and roustabout crews to begin initial cleanup measures. A site map is presented in [Appendix I](#).

Talon mobilized personnel to the site to supervise the contract companies dispatched by Lime Rock. The impacted area was excavated utilizing hand tools by roustabout crews and hydro-excavators. Because of the poly and steel flow lines in this area, no mechanical excavation equipment was able to be utilized. Hard rock refusal was encountered and hydro-excavators were subsequently used to clean the top of the rock.

An air rotary rig was mobilized to delineate the vertical extent of the impacted area and is representative of all the affected areas. The results of our subsurface investigation are summarized in the following data table and the complete lab report is attached in [Appendix V](#).

## Soil Sampling

### 11-11-19 Laboratory Results

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg				100 mg/kg	600 mg/kg
S-1	11/11/2019	0.5	ND	ND	ND	ND	ND	ND	22000
S-2	11/11/2019	0.5	ND	ND	ND	405	73.1	478.1	1550
S-3	11/11/2019	0.5	1.21	ND	85.1	1990	376	2451.1	7840
S-4	11/11/2019	1	3.05	ND	100	4860	1060	6020	192
S-5	11/11/2019	1	ND	ND	ND	19.4	13.6	33	224
S-6	11/11/2019	1	ND	ND	ND	133	24.4	157.4	3680
S-7	11/11/2019	1	190	ND	2470	11200	1940	15610	896
S-8	11/11/2019	1	ND	ND	ND	122	37.3	159.3	3640
S-9	11/11/2019	1	ND	ND	ND	149	35.1	184.1	1070
S-10	11/11/2019	1.5	ND	ND	ND	37.6	ND	37.6	2840

ND- Analyte Not Detected



## 11-21-19 Laboratory Results

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg				100 mg/kg	600 mg/kg
S-1	11/21/2019	1	ND	ND	ND	68	10.7	78.7	28000
S-2	11/21/2019	0.5	ND	ND	12.1	1460	406	1878.1	7330
S-3	11/21/2019	0.5	1.82	ND	33.9	289	36.8	359.7	3160
S-4	11/21/2019	1	ND	ND	13.1	6990	1600	8603.1	256
S-6	11/21/2019	1	ND	ND	ND	191	15.9	206.9	1220
S-7	11/21/2019	1	ND	ND	ND	64.2	ND	64.2	1440
S-8	11/21/2019	1	ND	ND	ND	11	ND	11	5860
S-9	11/21/2019	1.5	10.4	ND	163	1180	122	1465	1880
S-10	11/21/2019	2	ND	ND	ND	38	ND	38	6130

ND- Analyte Not Detected

## 1-29-20 Laboratory Results

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg				100 mg/kg	600 mg/kg
B-1	1/29/2020	0-2'	ND	ND	ND	ND	ND	ND	160
B-2	1/29/2020	0-2'	ND	ND	ND	ND	ND	ND	240
B-3	1/29/2020	0-2'	ND	ND	ND	12.6	ND	12.6	1620
		4'	ND	ND	ND	ND	ND	ND	112

ND- Analyte Not Detected

See [Appendix V](#) for the complete report of laboratory results.

## Remedial Actions:

- The impacted areas in this area was excavated by hand and hydro-excavated to depths of 0.5-1.5-feet BGS, where hard rock refusal was encountered.
- The impacted area was vertically delineated.
- All contaminated soil was transported to Lea Land, LLC, an NMOCD approved soil waste disposal facility.
- The Initial & Final C-141 is attached in [Appendix III](#).

## Closure

On behalf of Lime Rock Resources, we respectfully request that no further actions be required at this time and that a deferral until facility closure with regard to this incident be granted. Backfilling efforts will begin as soon as permission is granted.

Should you have any questions or if further information is required, please do not hesitate to contact our office at 575-746-8768.

Respectfully submitted,

TALON/LPE



Chris Jones  
Project Manager

### Attachments:

- Appendix I Site Map, Karst Map, TOPO Map & Locator Map
- Appendix II Soil Survey, Groundwater Data & FEMA Flood Zone
- Appendix III Initial & Final C-141
- Appendix IV Photographic Documentation
- Appendix V Laboratory Data



# **APPENDIX I**

**SITE MAP**

**KARST MAP**

**TOPO MAP**


**LOCATOR MAP**





# Falcon #3 Federal Battery


Lime Rock Resources  
Eddy County, NM  
Site Map

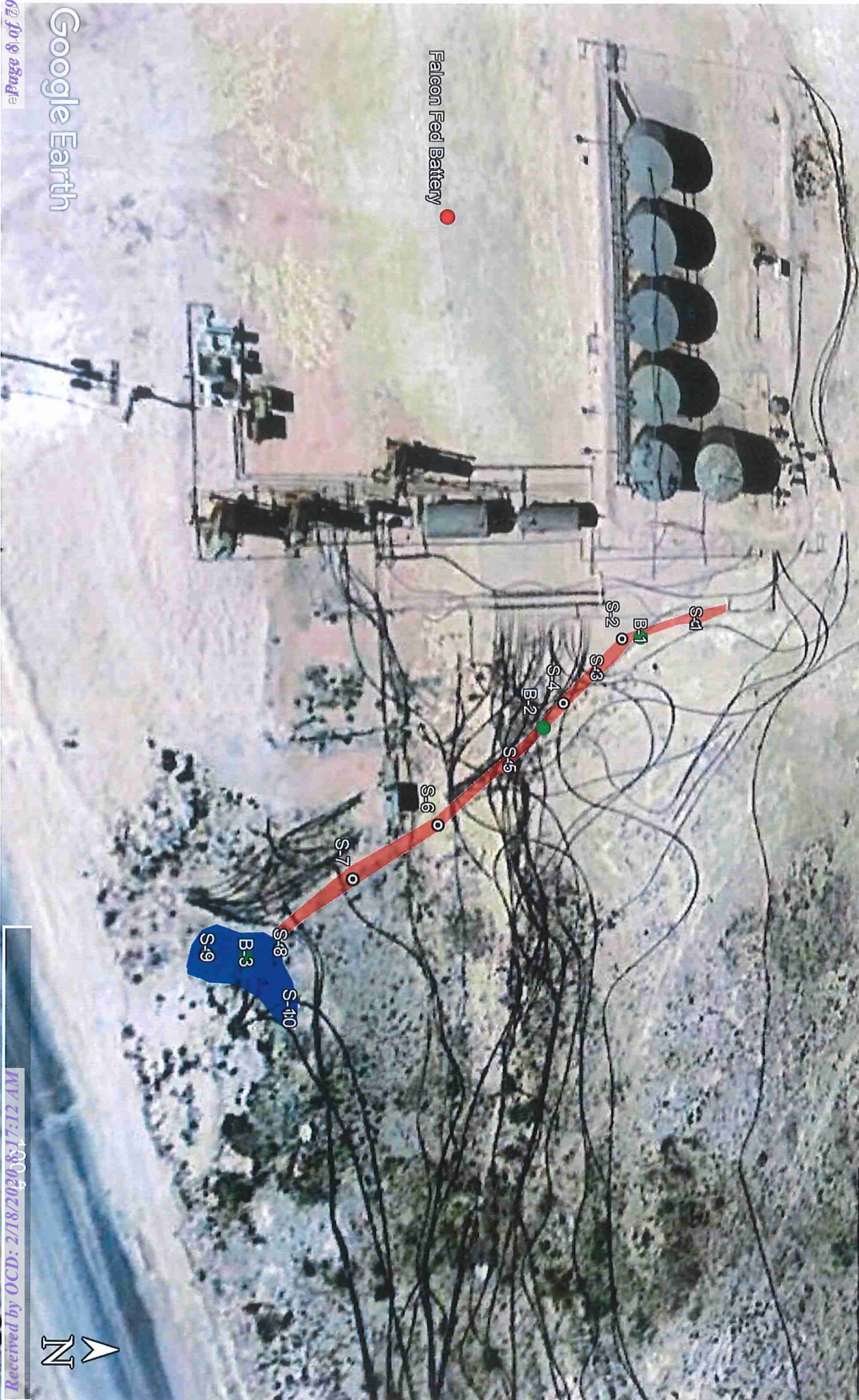
**Legend**

 0.5 ft Excavation

 1.5ft Excavation

 Boring Samples

 Samples





# Falcon #3 Federal Battery

Lime Rock Resources  
Eddy County, NM  
Karst Map

Falcon 3 Fed Battery

82

Google Earth

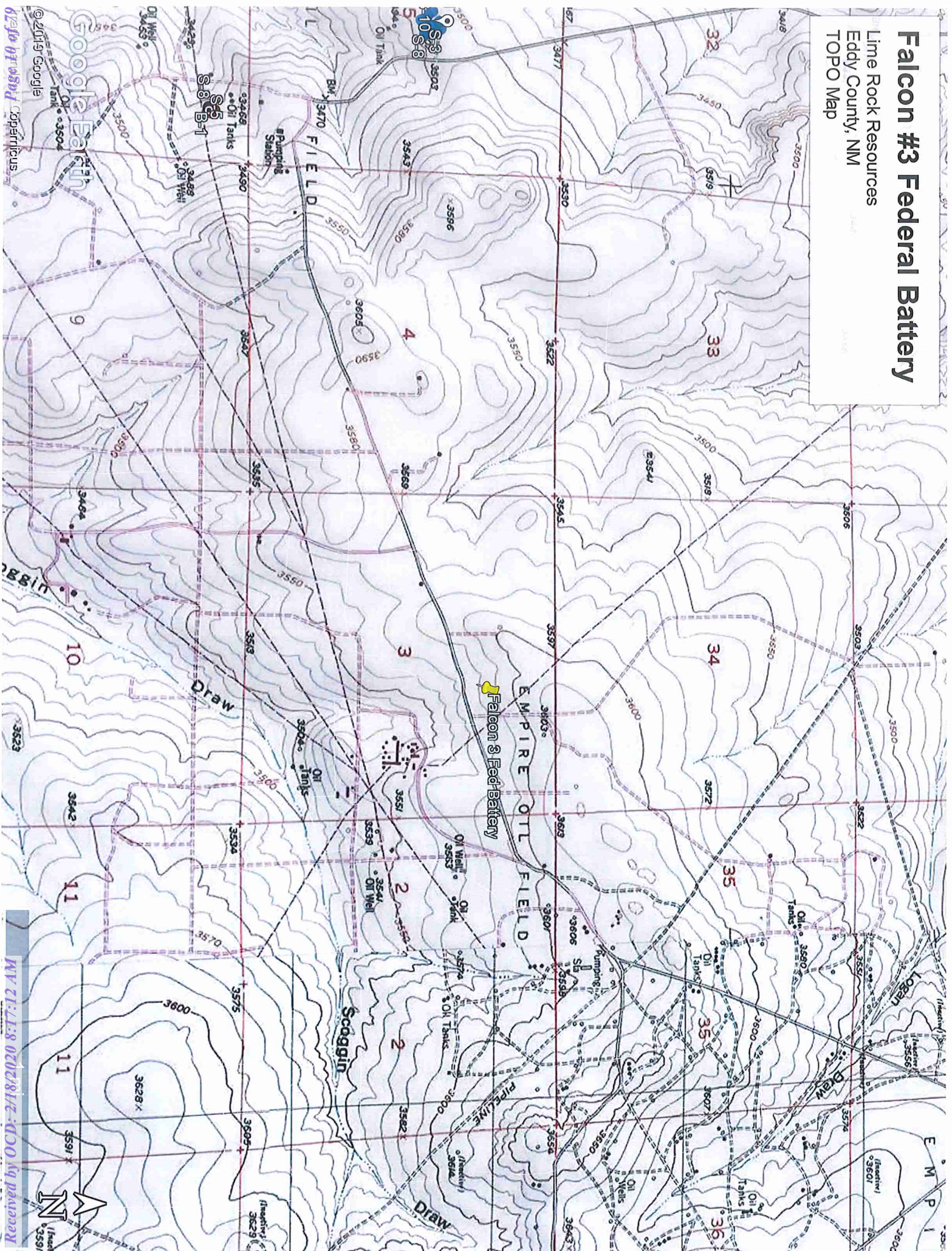


6/2/2020 8:17:12 AM

Received by OCD: 06/2/2020 8:17:12 AM



Lime Rock Resources  
Eddy County, NM  
TOPO Map





# Falcon #3 Federal Battery

Lime Rock Resources  
Eddy County, NM  
Locator Map



Google Earth

© 2019 Google

Imagery © 2019 Copernicus

Falcon 3 Fed Battery

Bluestem Rd.

360



0 0.25 0.5 0.75 1.0 1.25 Miles





## **APPENDIX II**

# **GROUNDWATER DATA**

## **SOIL SURVEY**

## **FEMA FLOOD ZONE**





# 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 Code	Sub-basin	County	Q	Q	Q	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	WaterColumn
<a href="#">RA 03917</a>		RA	LE	4	1	2	10	18S	27E	569019	3625660*	1418	130	50	80

Average Depth to Water: 50 feet

Minimum Depth: 50 feet

Maximum Depth: 50 feet

Record 1  
Count:

UTM NAD83 Radius Search (in meters):

**Easting (X):** 568870.118

**Northing (Y):** 3627070.341

**Radius:** 2000

\*UTM location was derived from PLSS - see Help

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

2/13/20 11:36 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

## Eddy Area, New Mexico

### RG—Reeves-Gypsum land complex, 0 to 3 percent slopes

#### Map Unit Setting

*National map unit symbol:* 1w5f  
*Elevation:* 1,250 to 5,000 feet  
*Mean annual precipitation:* 10 to 25 inches  
*Mean annual air temperature:* 57 to 70 degrees F  
*Frost-free period:* 190 to 235 days  
*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Reeves and similar soils:* 55 percent  
*Gypsum land:* 30 percent  
*Minor components:* 15 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Reeves

##### Setting

*Landform:* Plains, ridges, hills  
*Landform position (two-dimensional):* Backslope, footslope, shoulder, toeslope  
*Landform position (three-dimensional):* Side slope, crest, nose slope, head slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Residuum weathered from gypsum

##### Typical profile

*H1 - 0 to 8 inches:* loam  
*H2 - 8 to 32 inches:* clay loam  
*H3 - 32 to 60 inches:* gypsiferous material

##### Properties and qualities

*Slope:* 0 to 1 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*Runoff class:* High  
*Capacity of the most limiting layer to transmit water (Ksat):* Very low to moderately low (0.00 to 0.06 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum in profile:* 25 percent  
*Gypsum, maximum in profile:* 80 percent  
*Salinity, maximum in profile:* Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Low (about 4.3 inches)

Map Unit Description: Reeves-Gypsum land complex, 0 to 3 percent slopes---Eddy Area, New Mexico

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#### **Interpretive groups**

*Land capability classification (irrigated):* 3s

*Land capability classification (nonirrigated):* 7s

*Hydrologic Soil Group:* B

*Ecological site:* Loamy (R042XC007NM)

*Hydric soil rating:* No

#### **Description of Gypsum Land**

##### **Setting**

*Landform:* Plains, ridges, hills

*Landform position (two-dimensional):* Backslope, footslope, shoulder, toeslope

*Landform position (three-dimensional):* Side slope, crest, nose slope, head slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Parent material:* Residuum weathered from gypsum

##### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 8s

*Hydric soil rating:* No

#### **Minor Components**

##### **Cottonwood**

*Percent of map unit:* 5 percent

*Ecological site:* Salty Bottomland (R042XC033NM)

*Hydric soil rating:* No

##### **Reagan**

*Percent of map unit:* 5 percent

*Ecological site:* Loamy (R042XC007NM)

*Hydric soil rating:* No

##### **Largo**

*Percent of map unit:* 5 percent

*Ecological site:* Loamy (R042XC007NM)

*Hydric soil rating:* No

## **Data Source Information**

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 15, Sep 15, 2019



# National Flood Hazard Layer FIRMette

32°47'0.96"N



## Legend

SEE HIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

**SPECIAL FLOOD HAZARD AREAS**

Without Base Flood Elevation (BFE)  
Zone A, V, AE, AH, VE, AR  
With BFE or Depth Zone AE, AO, AH, VE, AR  
Regulatory Floodway

**OTHER AREAS OF FLOOD HAZARD**

0.2% Annual Chance Flood Hazard, Area of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile (Zone X)

Future Conditions 1% Annual Chance Flood Hazard (Zone X)

Area with Reduced Flood Risk due to Levee, See Notes, Zone X

Area with Flood Risk due to Levee (Zone D)

**OTHER AREAS**

Area of Minimal Flood Hazard (Zone X)

Effective LOMRs

Area of Undetermined Flood Hazard (Zone X)

**GENERAL STRUCTURES**

Channel, Culvert, or Storm Sewer

Levee, Dike, or Floodwall

**OTHER FEATURES**

Cross Sections with 1% Annual Chance Water Surface Elevation

Coastal Transect

Base Flood Elevation Line (BFE)

Limit of Study

Jurisdiction Boundary

Coastal Transect Baseline

Profile Baseline

Hydrographic Feature

**MAP PANELS**

Digital Data Available

No Digital Data Available

Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards.

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **2/13/2020 at 1:40:14 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes. **Received by OCD: 8/02/2020/18/12**

USGS The National Map: Orthoimagery. Data refreshed April, 2019.



32°46'30.72"N 104°15'33.83"W





## **APPENDIX III**

# **INITIAL C-141 & FINAL C-141**

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	NRM2004946873
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party Lime Rock Resources	OGRID 277558
Contact Name Michael Barrett	Contact Telephone 575-365-9724
Contact email mbarrett@limerockresources.com	Incident # (assigned by OCD)
Contact mailing address 1111 Bagby St Ste 4600 Houston, TX 77002	

### Location of Release Source

Latitude 32.7794

Longitude -104.2646

(NAD 83 in decimal degrees to 5 decimal places)

Site Name Falcon 3 Federal Battery	Site Type Production Facility
Date Release Discovered 9-23-19	API#

Unit Letter	Section	Township	Range	County
G	3	18S	27E	Eddy

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)

<input checked="" type="checkbox"/> Crude Oil	Volume Released 10 bbls	Volume Recovered 4 bbls
<input type="checkbox"/> Produced Water	Volume Released	Volume Recovered
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: On 9-23-19 at the Falcon 3 Federal Battery a leak was found from a hole in the 2" steel oil circulating line due to corrosion. The line was taken out of service and repairs were made.

Form C-141

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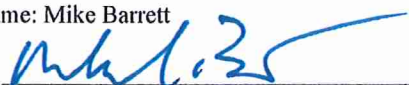
State of New Mexico  
Oil Conservation Division

Incident ID	NRM2004946873
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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*

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> 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: Mike Barrett Signature:  email: <a href="mailto:mbarrett@limerockresources.com">mbarrett@limerockresources.com</a>	Title: Production Superintendent Date: <u>2-14-20</u> Telephone: 575-365-9724
<b><u>OCD Only</u></b>  Received by: <u>Ramona Marcus</u> Date: <u>2/18/2020</u>	

Form C-141

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State of New Mexico  
Oil Conservation Division

Incident ID	NRM2004946873
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?	50 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic freshwater well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other freshwater well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal freshwater well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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

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State of New Mexico  
Oil Conservation Division

Incident ID	NRM2004946873
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: Mike Barrett

Title: Production Superintendent

Signature: Date: email: [mbarrett@limerockresources.com](mailto:mbarrett@limerockresources.com)

Telephone: 575-365-9724

**OCD Only**Received by: Ramona MarcusDate: 2/18/2020

Form C-141

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State of New Mexico  
Oil Conservation Division

Incident ID	NRM2004946873
District RP	
Facility ID	
Application ID	

## Remediation Plan

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

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

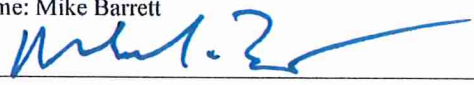
**Deferral Requests Only:** *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☒ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☒ Extents of contamination must be fully delineated.
- ☒ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: Mike Barrett

Title: Production Superintendent

Signature: 

Date: 2-14-20

email: [mbarrett@limerockresources.com](mailto:mbarrett@limerockresources.com)

Telephone: 575-365-9724

**OCD Only**

Received by: Ramona Marcus Date: 2/18/2020

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

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Form C-141

Page 6

State of New Mexico  
Oil Conservation Division

Incident ID	NRM2004946873
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: Mike Barrett

Title: Production Superintendent

Signature: Date: 2-14-20email: [mbarrett@limerockresources.com](mailto:mbarrett@limerockresources.com)

Telephone: 575-365-9724

### OCD Only

Received by: Ramona MarcusDate: 2/18/2020

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: \_\_\_\_\_

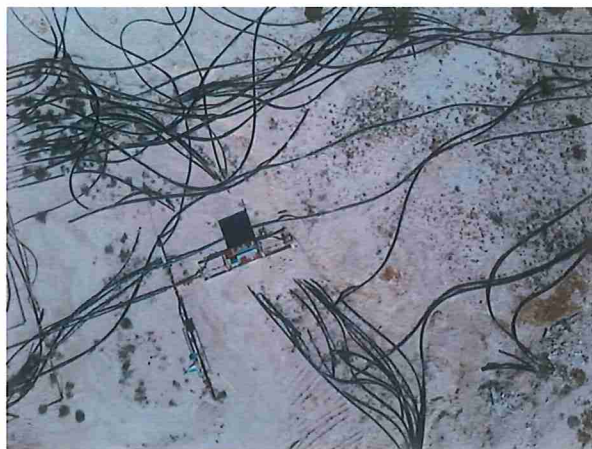




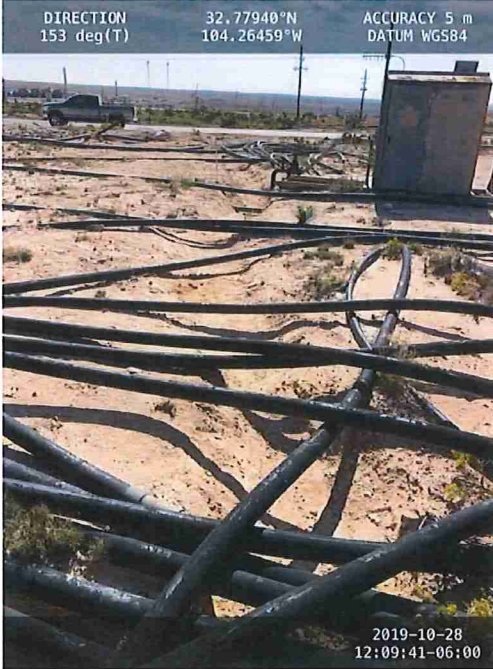
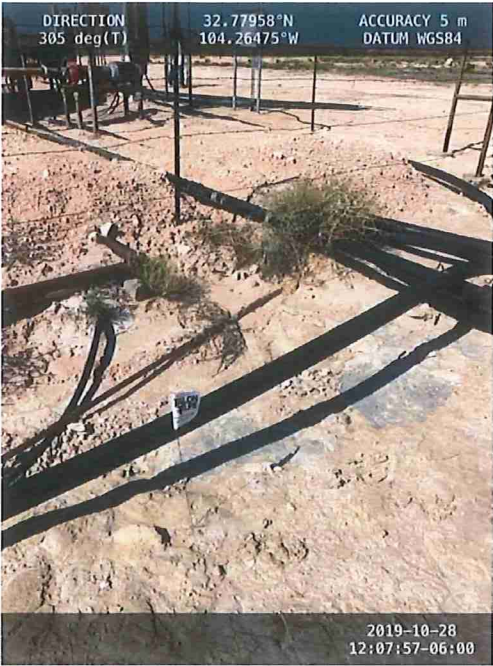
## APPENDIX IV

# PHOTOGRAPHIC DOCUMENTATION

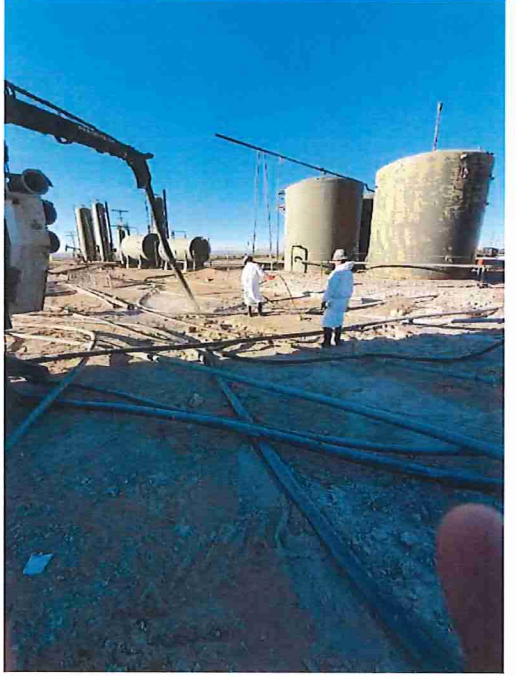
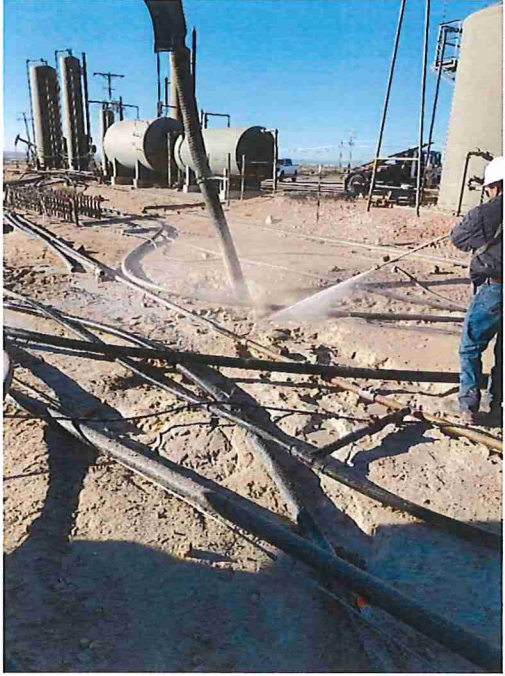
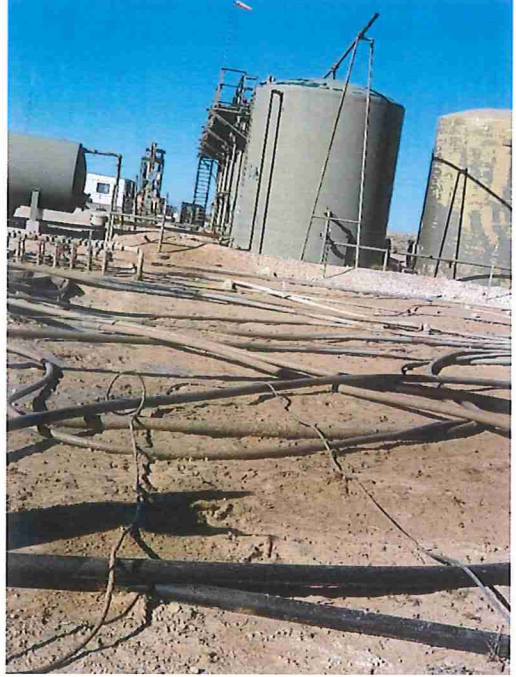
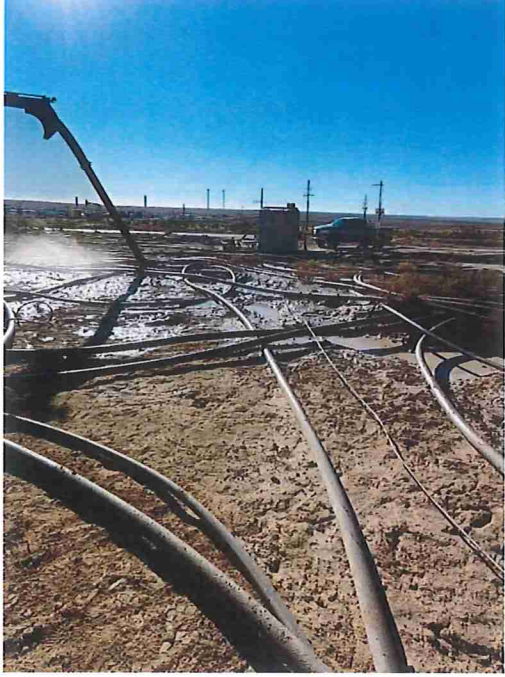
## Falcon 3 Fed Battery



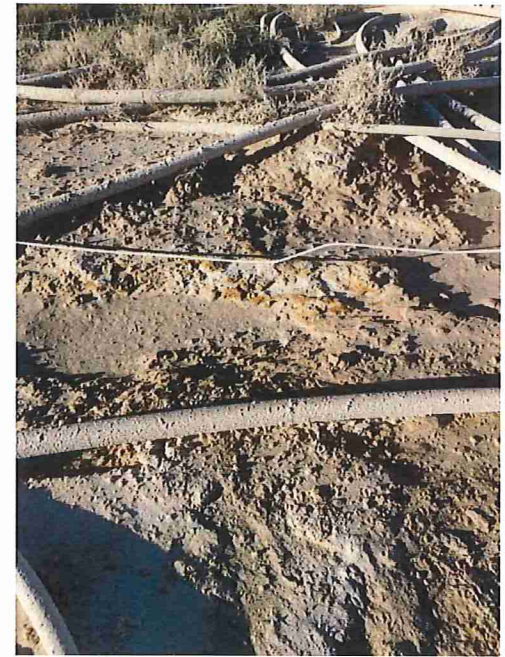
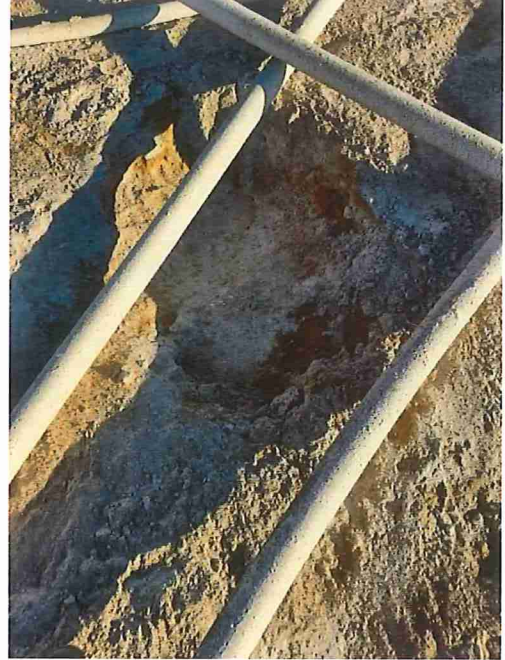
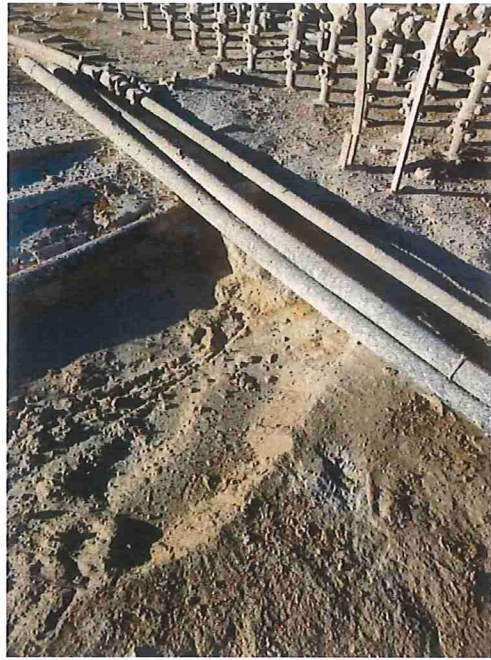




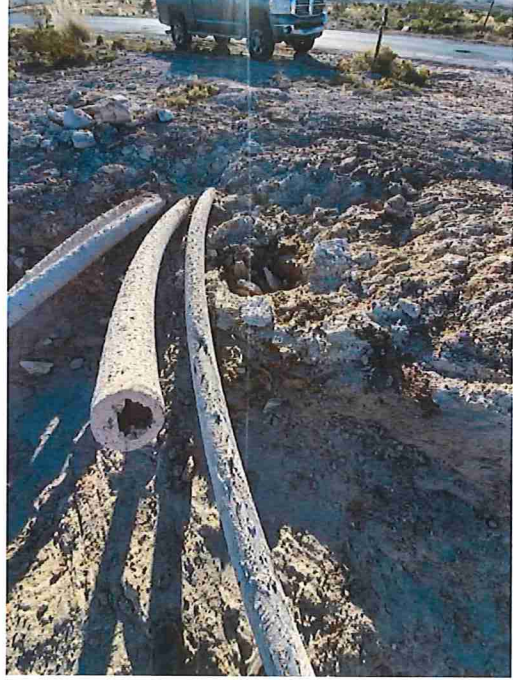






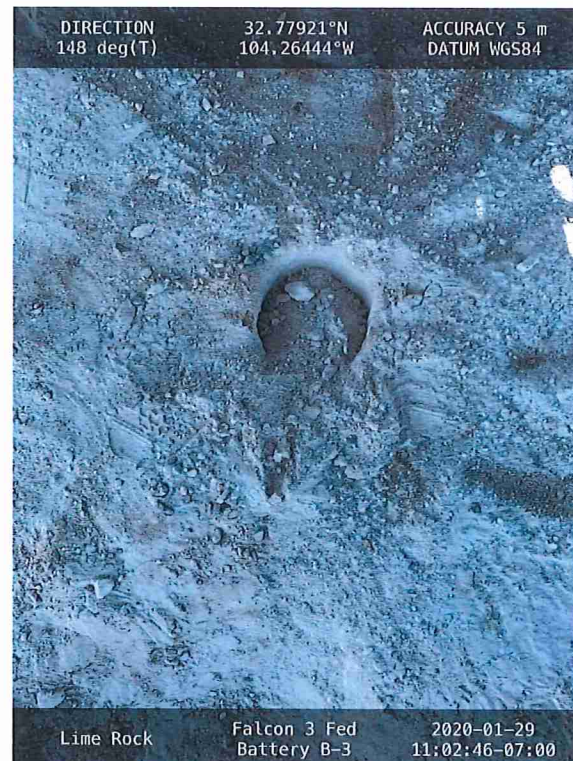








## Geo-tagged Boring Holes





## APPENDIX V

# LABORATORY DATA





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

February 13, 2020

CHRIS JONES

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: FALCON 3 FED BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 11/12/19 16:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. 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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

TALON LPE  
408 W. TEXAS AVE.  
ARTESIA NM, 88210

Project: FALCON 3 FED BATTERY  
Project Number: 701307.125.01  
Project Manager: CHRIS JONES  
Fax To: (575) 745-8905

Reported:  
13-Feb-20 15:23

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S- 1 0.5'	H903842-01	Soil	11-Nov-19 15:00	12-Nov-19 16:20
S- 2 0.5'	H903842-02	Soil	11-Nov-19 15:05	12-Nov-19 16:20
S- 3 0.5'	H903842-03	Soil	11-Nov-19 15:10	12-Nov-19 16:20
S- 4 1'	H903842-04	Soil	11-Nov-19 15:15	12-Nov-19 16:20
S- 5 1'	H903842-05	Soil	11-Nov-19 15:20	12-Nov-19 16:20
S- 6 1'	H903842-06	Soil	11-Nov-19 15:25	12-Nov-19 16:20
S- 7 1'	H903842-07	Soil	11-Nov-19 15:30	12-Nov-19 16:20
S- 8 1'	H903842-08	Soil	11-Nov-19 15:35	12-Nov-19 16:20
S- 9 1'	H903842-09	Soil	11-Nov-19 15:40	12-Nov-19 16:20
S- 10 1.5'	H903842-10	Soil	11-Nov-19 15:45	12-Nov-19 16:20

02/13/20 - Client asked to revise report and remove sample -11 and -12. This is the revised report and will replace the one sent on 11/13/19.

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TALON LPE  
408 W. TEXAS AVE.  
ARTESIA NM, 88210

Project: FALCON 3 FED BATTERY  
Project Number: 701307.125.01  
Project Manager: CHRIS JONES  
Fax To: (575) 745-8905

Reported:  
13-Feb-20 15:23

S- 1 0.5'  
H903842-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	22000		16.0	mg/kg	4	9111208	AC	13-Nov-19	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	9111304	MS	13-Nov-19	8021B	
Toluene*	<0.050		0.050	mg/kg	50	9111304	MS	13-Nov-19	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	9111304	MS	13-Nov-19	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	9111304	MS	13-Nov-19	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	9111304	MS	13-Nov-19	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			100 %	73.3-129		9111304	MS	13-Nov-19	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	9111303	MS	13-Nov-19	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	9111303	MS	13-Nov-19	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	9111303	MS	13-Nov-19	8015B	
Surrogate: 1-Chlorooctane			99.8 %	41-142		9111303	MS	13-Nov-19	8015B	
Surrogate: 1-Chlorooctadecane			108 %	37.6-147		9111303	MS	13-Nov-19	8015B	

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TALON LPE  
408 W. TEXAS AVE.  
ARTESIA NM, 88210

Project: FALCON 3 FED BATTERY  
Project Number: 701307.125.01  
Project Manager: CHRIS JONES  
Fax To: (575) 745-8905

Reported:  
13-Feb-20 15:23

**S- 2 0.5'**  
**H903842-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	1550		16.0	mg/kg	4	9111208	AC	13-Nov-19	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	9111304	MS	13-Nov-19	8021B	
Toluene*	<0.050		0.050	mg/kg	50	9111304	MS	13-Nov-19	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	9111304	MS	13-Nov-19	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	9111304	MS	13-Nov-19	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	9111304	MS	13-Nov-19	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			102 %	73.3-129		9111304	MS	13-Nov-19	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	9111303	MS	13-Nov-19	8015B	
DRO >C10-C28*	405		10.0	mg/kg	1	9111303	MS	13-Nov-19	8015B	
EXT DRO >C28-C36	73.1		10.0	mg/kg	1	9111303	MS	13-Nov-19	8015B	

Surrogate: 1-Chlorooctane			110 %	41-142		9111303	MS	13-Nov-19	8015B	
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Surrogate: 1-Chlorooctadecane			128 %	37.6-147		9111303	MS	13-Nov-19	8015B	
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Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TALON LPE  
408 W. TEXAS AVE.  
ARTESIA NM, 88210

Project: FALCON 3 FED BATTERY  
Project Number: 701307.125.01  
Project Manager: CHRIS JONES  
Fax To: (575) 745-8905

Reported:  
13-Feb-20 15:23

**S- 3 0.5'**  
**H903842-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	7840		16.0	mg/kg	4	9111208	AC	13-Nov-19	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021****S-04**

Benzene*	<0.050		0.050	mg/kg	50	9111304	MS	13-Nov-19	8021B	
Toluene*	<0.050		0.050	mg/kg	50	9111304	MS	13-Nov-19	8021B	
Ethylbenzene*	0.205		0.050	mg/kg	50	9111304	MS	13-Nov-19	8021B	
Total Xylenes*	1.01		0.150	mg/kg	50	9111304	MS	13-Nov-19	8021B	
Total BTEX	1.21		0.300	mg/kg	50	9111304	MS	13-Nov-19	8021B	

Surrogate: 4-Bromofluorobenzene (PID)		135 %	73.3-129		9111304	MS	13-Nov-19	8021B	
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**Petroleum Hydrocarbons by GC FID****S-04**

GRO C6-C10*	85.1		10.0	mg/kg	1	9111303	MS	13-Nov-19	8015B	
DRO >C10-C28*	1990		10.0	mg/kg	1	9111303	MS	13-Nov-19	8015B	
EXT DRO >C28-C36	376		10.0	mg/kg	1	9111303	MS	13-Nov-19	8015B	

Surrogate: 1-Chlorooctane		124 %	41-142		9111303	MS	13-Nov-19	8015B	
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Surrogate: 1-Chlorooctadecane		167 %	37.6-147		9111303	MS	13-Nov-19	8015B	
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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TALON LPE 408 W. TEXAS AVE. ARTESIA NM, 88210	Project: FALCON 3 FED BATTERY Project Number: 701307.125.01 Project Manager: CHRIS JONES Fax To: (575) 745-8905	Reported: 13-Feb-20 15:23
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**S- 4 1'**  
**H903842-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	192		16.0	mg/kg	4	9111208	AC	13-Nov-19	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

**S-04**

Benzene*	<0.050		0.050	mg/kg	50	9111304	MS	13-Nov-19	8021B	
Toluene*	0.387		0.050	mg/kg	50	9111304	MS	13-Nov-19	8021B	
Ethylbenzene*	0.799		0.050	mg/kg	50	9111304	MS	13-Nov-19	8021B	
Total Xylenes*	1.87		0.150	mg/kg	50	9111304	MS	13-Nov-19	8021B	
Total BTEX	3.05		0.300	mg/kg	50	9111304	MS	13-Nov-19	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			143 %	73.3-129		9111304	MS	13-Nov-19	8021B	
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**Petroleum Hydrocarbons by GC FID**

**S-04**

GRO C6-C10*	100		10.0	mg/kg	1	9111303	MS	13-Nov-19	8015B	
DRO >C10-C28*	4860		10.0	mg/kg	1	9111303	MS	13-Nov-19	8015B	
EXT DRO >C28-C36	1060		10.0	mg/kg	1	9111303	MS	13-Nov-19	8015B	

Surrogate: 1-Chlorooctane			141 %	41-142		9111303	MS	13-Nov-19	8015B	
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Surrogate: 1-Chlorooctadecane			264 %	37.6-147		9111303	MS	13-Nov-19	8015B	
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\*=Accredited Analyte

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*Celestine D. Keene*

Celestine D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TALON LPE  
408 W. TEXAS AVE.  
ARTESIA NM, 88210

Project: FALCON 3 FED BATTERY  
Project Number: 701307.125.01  
Project Manager: CHRIS JONES  
Fax To: (575) 745-8905

Reported:  
13-Feb-20 15:23

S- 5 1'

H903842-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	224		16.0	mg/kg	4	9111308	AC	13-Nov-19	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	9111304	MS	13-Nov-19	8021B
Toluene*	<0.050		0.050	mg/kg	50	9111304	MS	13-Nov-19	8021B
Ethylbenzene*	<0.050		0.050	mg/kg	50	9111304	MS	13-Nov-19	8021B
Total Xylenes*	<0.150		0.150	mg/kg	50	9111304	MS	13-Nov-19	8021B
Total BTEX	<0.300		0.300	mg/kg	50	9111304	MS	13-Nov-19	8021B

Surrogate: 4-Bromofluorobenzene (PID)			121 %	73.3-129		9111304	MS	13-Nov-19	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	9111303	MS	13-Nov-19	8015B
DRO >C10-C28*	19.4		10.0	mg/kg	1	9111303	MS	13-Nov-19	8015B
EXT DRO >C28-C36	13.6		10.0	mg/kg	1	9111303	MS	13-Nov-19	8015B

Surrogate: 1-Chlorooctane			112 %	41-142		9111303	MS	13-Nov-19	8015B
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Surrogate: 1-Chlorooctadecane			120 %	37.6-147		9111303	MS	13-Nov-19	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TALON LPE  
408 W. TEXAS AVE.  
ARTESIA NM, 88210

Project: FALCON 3 FED BATTERY  
Project Number: 701307.125.01  
Project Manager: CHRIS JONES  
Fax To: (575) 745-8905

Reported:  
13-Feb-20 15:23

S- 6 1'

H903842-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	3680		16.0	mg/kg	4	9111308	AC	13-Nov-19	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	9111304	MS	13-Nov-19	8021B	
Toluene*	<0.050		0.050	mg/kg	50	9111304	MS	13-Nov-19	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	9111304	MS	13-Nov-19	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	9111304	MS	13-Nov-19	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	9111304	MS	13-Nov-19	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			103 %	73.3-129		9111304	MS	13-Nov-19	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	9111303	MS	13-Nov-19	8015B	
DRO >C10-C28*	133		10.0	mg/kg	1	9111303	MS	13-Nov-19	8015B	
EXT DRO >C28-C36	24.4		10.0	mg/kg	1	9111303	MS	13-Nov-19	8015B	
Surrogate: 1-Chlorooctane			109 %	41-142		9111303	MS	13-Nov-19	8015B	
Surrogate: 1-Chlorooctadecane			123 %	37.6-147		9111303	MS	13-Nov-19	8015B	

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TALON LPE 408 W. TEXAS AVE. ARTESIA NM, 88210	Project: FALCON 3 FED BATTERY Project Number: 701307.125.01 Project Manager: CHRIS JONES Fax To: (575) 745-8905	Reported: 13-Feb-20 15:23
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S- 7 1'

H903842-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	896		16.0	mg/kg	4	9111308	AC	13-Nov-19	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<1.00		1.00	mg/kg	1000	9111304	MS	13-Nov-19	8021B	
Toluene*	31.2		1.00	mg/kg	1000	9111304	MS	13-Nov-19	8021B	
Ethylbenzene*	44.8		1.00	mg/kg	1000	9111304	MS	13-Nov-19	8021B	
Total Xylenes*	114		3.00	mg/kg	1000	9111304	MS	13-Nov-19	8021B	
Total BTEX	190		6.00	mg/kg	1000	9111304	MS	13-Nov-19	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			124 %	73.3-129		9111304	MS	13-Nov-19	8021B	
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**Petroleum Hydrocarbons by GC FID**

S-06

GRO C6-C10*	2470		50.0	mg/kg	5	9111303	MS	13-Nov-19	8015B	
DRO >C10-C28*	11200		50.0	mg/kg	5	9111303	MS	13-Nov-19	8015B	
EXT DRO >C28-C36	1940		50.0	mg/kg	5	9111303	MS	13-Nov-19	8015B	

Surrogate: 1-Chlorooctane			239 %	41-142		9111303	MS	13-Nov-19	8015B	
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Surrogate: 1-Chlorooctadecane			421 %	37.6-147		9111303	MS	13-Nov-19	8015B	
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*Celest D. Keene*

Celest D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
408 W. TEXAS AVE.  
ARTESIA NM, 88210

Project: FALCON 3 FED BATTERY  
Project Number: 701307.125.01  
Project Manager: CHRIS JONES  
Fax To: (575) 745-8905

Reported:  
13-Feb-20 15:23

S- 8 1'

H903842-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	3640		16.0	mg/kg	4	9111308	AC	13-Nov-19	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	9111304	MS	13-Nov-19	8021B	
Toluene*	0.059		0.050	mg/kg	50	9111304	MS	13-Nov-19	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	9111304	MS	13-Nov-19	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	9111304	MS	13-Nov-19	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	9111304	MS	13-Nov-19	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			103 %	73.3-129		9111304	MS	13-Nov-19	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	9111303	MS	13-Nov-19	8015B	
DRO >C10-C28*	122		10.0	mg/kg	1	9111303	MS	13-Nov-19	8015B	
EXT DRO >C28-C36	37.3		10.0	mg/kg	1	9111303	MS	13-Nov-19	8015B	

Surrogate: 1-Chlorooctane			106 %	41-142		9111303	MS	13-Nov-19	8015B	
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Surrogate: 1-Chlorooctadecane			121 %	37.6-147		9111303	MS	13-Nov-19	8015B	
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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TALON LPE  
408 W. TEXAS AVE.  
ARTESIA NM, 88210

Project: FALCON 3 FED BATTERY  
Project Number: 701307.125.01  
Project Manager: CHRIS JONES  
Fax To: (575) 745-8905

Reported:  
13-Feb-20 15:23

S- 9 1'

H903842-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	1070		16.0	mg/kg	4	9111308	AC	13-Nov-19	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	9111304	MS	13-Nov-19	8021B	
Toluene*	<0.050		0.050	mg/kg	50	9111304	MS	13-Nov-19	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	9111304	MS	13-Nov-19	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	9111304	MS	13-Nov-19	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	9111304	MS	13-Nov-19	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			103 %	73.3-129		9111304	MS	13-Nov-19	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	9111303	MS	13-Nov-19	8015B	
DRO >C10-C28*	149		10.0	mg/kg	1	9111303	MS	13-Nov-19	8015B	
EXT DRO >C28-C36	35.1		10.0	mg/kg	1	9111303	MS	13-Nov-19	8015B	

Surrogate: 1-Chlorooctane			112 %	41-142		9111303	MS	13-Nov-19	8015B	
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Surrogate: 1-Chlorooctadecane			127 %	37.6-147		9111303	MS	13-Nov-19	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
408 W. TEXAS AVE.  
ARTESIA NM, 88210

Project: FALCON 3 FED BATTERY  
Project Number: 701307.125.01  
Project Manager: CHRIS JONES  
Fax To: (575) 745-8905

Reported:  
13-Feb-20 15:23

**S- 10 1.5'**  
**H903842-10 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	2840		16.0	mg/kg	4	9111308	AC	13-Nov-19	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	9111304	MS	13-Nov-19	8021B	
Toluene*	<0.050		0.050	mg/kg	50	9111304	MS	13-Nov-19	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	9111304	MS	13-Nov-19	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	9111304	MS	13-Nov-19	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	9111304	MS	13-Nov-19	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			102 %	73.3-129		9111304	MS	13-Nov-19	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	9111303	MS	13-Nov-19	8015B	
DRO >C10-C28*	37.6		10.0	mg/kg	1	9111303	MS	13-Nov-19	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	9111303	MS	13-Nov-19	8015B	

Surrogate: 1-Chlorooctane			104 %	41-142		9111303	MS	13-Nov-19	8015B	
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Surrogate: 1-Chlorooctadecane			112 %	37.6-147		9111303	MS	13-Nov-19	8015B	
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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TALON LPE  
408 W. TEXAS AVE.  
ARTESIA NM, 88210

Project: FALCON 3 FED BATTERY  
Project Number: 701307.125.01  
Project Manager: CHRIS JONES  
Fax To: (575) 745-8905

Reported:  
13-Feb-20 15:23

**Inorganic Compounds - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 9111208 - 1:4 DI Water****Blank (9111208-BLK1)**

Prepared &amp; Analyzed: 12-Nov-19

Chloride	ND	16.0	mg/kg
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**LCS (9111208-BS1)**

Prepared &amp; Analyzed: 12-Nov-19

Chloride	416	16.0	mg/kg	400	104	80-120
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**LCS Dup (9111208-BSD1)**

Prepared &amp; Analyzed: 12-Nov-19

Chloride	400	16.0	mg/kg	400	100	80-120	3.92	20
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**Batch 9111308 - 1:4 DI Water****Blank (9111308-BLK1)**

Prepared &amp; Analyzed: 13-Nov-19

Chloride	ND	16.0	mg/kg
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**LCS (9111308-BS1)**

Prepared &amp; Analyzed: 13-Nov-19

Chloride	432	16.0	mg/kg	400	108	80-120
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**LCS Dup (9111308-BSD1)**

Prepared &amp; Analyzed: 13-Nov-19

Chloride	416	16.0	mg/kg	400	104	80-120	3.77	20
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**Analytical Results For:**

TALON LPE  
408 W. TEXAS AVE.  
ARTESIA NM, 88210

Project: FALCON 3 FED BATTERY  
Project Number: 701307.125.01  
Project Manager: CHRIS JONES  
Fax To: (575) 745-8905

Reported:  
13-Feb-20 15:23

**Volatile Organic Compounds by EPA Method 8021 - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 9111304 - Volatiles****Blank (9111304-BLK1)**

Prepared &amp; Analyzed: 13-Nov-19

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							

Surrogate: 4-Bromofluorobenzene (PID) ND mg/kg 0.0500 99.7 73.3-129

**LCS (9111304-BS1)**

Prepared &amp; Analyzed: 13-Nov-19

Benzene	1.84	0.050	mg/kg	2.00		91.9	72.2-131			
Toluene	1.83	0.050	mg/kg	2.00		91.4	71.7-126			
Ethylbenzene	1.85	0.050	mg/kg	2.00		92.6	68.9-126			
Total Xylenes	5.61	0.150	mg/kg	6.00		93.5	71.4-125			

Surrogate: 4-Bromofluorobenzene (PID) 0.0495 mg/kg 0.0500 99.0 73.3-129

**LCS Dup (9111304-BSD1)**

Prepared &amp; Analyzed: 13-Nov-19

Benzene	1.74	0.050	mg/kg	2.00		87.1	72.2-131	5.39	6.91	
Toluene	1.72	0.050	mg/kg	2.00		86.0	71.7-126	6.03	7.12	
Ethylbenzene	1.75	0.050	mg/kg	2.00		87.7	68.9-126	5.50	7.88	
Total Xylenes	5.29	0.150	mg/kg	6.00		88.2	71.4-125	5.88	7.46	

Surrogate: 4-Bromofluorobenzene (PID) 0.0495 mg/kg 0.0500 99.0 73.3-129

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE 408 W. TEXAS AVE. ARTESIA NM, 88210	Project: FALCON 3 FED BATTERY Project Number: 701307.125.01 Project Manager: CHRIS JONES Fax To: (575) 745-8905	Reported: 13-Feb-20 15:23
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**Petroleum Hydrocarbons by GC FID - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 9111303 - General Prep - Organics**

<b>Blank (9111303-BLK1)</b>		Prepared & Analyzed: 13-Nov-19								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	56.5		mg/kg	50.0		113	41-142			
Surrogate: 1-Chlorooctadecane	58.8		mg/kg	50.0		118	37.6-147			

<b>LCS (9111303-BS1)</b>		Prepared & Analyzed: 13-Nov-19								
GRO C6-C10	201	10.0	mg/kg	200		100	76.5-133			
DRO >C10-C28	196	10.0	mg/kg	200		97.9	72.9-138			
Total TPH C6-C28	397	10.0	mg/kg	400		99.2	78-132			
Surrogate: 1-Chlorooctane	58.2		mg/kg	50.0		116	41-142			
Surrogate: 1-Chlorooctadecane	60.5		mg/kg	50.0		121	37.6-147			

<b>LCS Dup (9111303-BSD1)</b>		Prepared & Analyzed: 13-Nov-19								
GRO C6-C10	201	10.0	mg/kg	200		100	76.5-133	0.179	20.6	
DRO >C10-C28	196	10.0	mg/kg	200		98.2	72.9-138	0.275	20.6	
Total TPH C6-C28	397	10.0	mg/kg	400		99.3	78-132	0.0456	18	
Surrogate: 1-Chlorooctane	59.1		mg/kg	50.0		118	41-142			
Surrogate: 1-Chlorooctadecane	59.8		mg/kg	50.0		120	37.6-147			

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*Celestine D. Keene*

Celestine D. Keene, Lab Director/Quality Manager





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

### Notes and Definitions

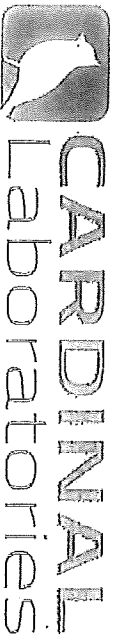
- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

ANALYSIS REQUEST

Company Name: TALON COE		P.O. #: 701307.125.01	
Project Manager: CHRIS JONES		Company: TALON	
Address: 408 W. TEXAS AVE		Attn: C. JONES	
City: ARTESIA	State: NM Zip: 88210	Address:	
Phone #: 575-746-8768	Fax #:	City:	
Project #: 701307.125.01	Project Owner: LIME ROCK	State: Zip:	
Project Name: FALCON 3 FED BATTERY		Phone #:	
Project Location: EDDY COUNTY		Fax #:	
Sampler Name: MICHAEL COLLIER			

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	TPH	BTEX	TOTAL CHLORIDES
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:					
4903842	1 S-1 0.5'	G	1	V						11-11-99	3:00pm	V	V	V
	2 S-2 0.5'										3:05pm			
	3 S-3 0.5'										3:10pm			
	4 S-4 1'										3:15pm			
	5 S-5 1'										3:20pm			
	6 S-6 1'										3:25pm			
	7 S-7 1'										3:30pm			
	8 S-8 1'										3:35pm			
	9 S-9 1'										3:40pm			
	10 S-10 1.5'										3:45pm			

Relinquished By: <i>M. D. L.</i>	Received By: <i>Samuel Black</i>
Date: 11-12-19	Date: 11-12-19
Time: 10:20	Time: 10:20
Delivered By: (Circle One) S-42	Sample Condition: Cool Intact
Sampler - UPS - Bus - Other: <i>Delivered 5:58</i>	Checked By: (Initials) <i>RS</i>
	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No
	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No
	REMARKS: <i>PG-1 of 2</i>

\* Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



CARDINAL  
Laboratories

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Maryland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 353-2476

[illegible]





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

February 13, 2020

CHRIS JONES

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: FALCON 3 FED BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 11/22/19 8:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. 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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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



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**Analytical Results For:**

TALON LPE  
408 W. TEXAS AVE.  
ARTESIA NM, 88210

Project: FALCON 3 FED BATTERY  
Project Number: 701307.125.01  
Project Manager: CHRIS JONES  
Fax To: (575) 745-8905

Reported:  
13-Feb-20 15:15

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S- 1 1'	H903966-01	Soil	21-Nov-19 13:00	22-Nov-19 08:00
S- 2 0.5'	H903966-02	Soil	21-Nov-19 13:05	22-Nov-19 08:00
S- 3 0.5'	H903966-03	Soil	21-Nov-19 13:10	22-Nov-19 08:00
S- 4 1'	H903966-04	Soil	21-Nov-19 13:15	22-Nov-19 08:00
S- 5 1'	H903966-05	Soil	21-Nov-19 13:20	22-Nov-19 08:00
S- 6 1'	H903966-06	Soil	21-Nov-19 13:25	22-Nov-19 08:00
S- 7 1'	H903966-07	Soil	21-Nov-19 13:30	22-Nov-19 08:00
S- 8 1'	H903966-08	Soil	21-Nov-19 13:35	22-Nov-19 08:00
S- 9 1.5'	H903966-09	Soil	21-Nov-19 13:40	22-Nov-19 08:00
S- 10 2'	H903966-10	Soil	21-Nov-19 13:45	22-Nov-19 08:00

02/13/20 - Client asked to revise report and remove sample - 11 and -12. This is the revised report and will replace the one sent on 11/26/19.

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
408 W. TEXAS AVE.  
ARTESIA NM, 88210

Project: FALCON 3 FED BATTERY  
Project Number: 701307.125.01  
Project Manager: CHRIS JONES  
Fax To: (575) 745-8905

Reported:  
13-Feb-20 15:15

S- 1 1'  
H903966-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	28000		16.0	mg/kg	4	9112609	AC	26-Nov-19	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	9112212	MS	23-Nov-19	8021B	
Toluene*	<0.050		0.050	mg/kg	50	9112212	MS	23-Nov-19	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	9112212	MS	23-Nov-19	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	9112212	MS	23-Nov-19	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	9112212	MS	23-Nov-19	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			98.7 %	73.3-129		9112212	MS	23-Nov-19	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	9112209	MS	23-Nov-19	8015B	
DRO >C10-C28*	68.0		10.0	mg/kg	1	9112209	MS	23-Nov-19	8015B	
EXT DRO >C28-C36	10.7		10.0	mg/kg	1	9112209	MS	23-Nov-19	8015B	
Surrogate: 1-Chlorooctane			95.7 %	41-142		9112209	MS	23-Nov-19	8015B	
Surrogate: 1-Chlorooctadecane			105 %	37.6-147		9112209	MS	23-Nov-19	8015B	

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TALON LPE  
408 W. TEXAS AVE.  
ARTESIA NM, 88210

Project: FALCON 3 FED BATTERY  
Project Number: 701307.125.01  
Project Manager: CHRIS JONES  
Fax To: (575) 745-8905

Reported:  
13-Feb-20 15:15

S- 2 0.5'

H903966-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	7330		16.0	mg/kg	4	9112609	AC	26-Nov-19	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	9112217	MS	23-Nov-19	8021B	
Toluene*	<0.050		0.050	mg/kg	50	9112217	MS	23-Nov-19	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	9112217	MS	23-Nov-19	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	9112217	MS	23-Nov-19	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	9112217	MS	23-Nov-19	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			102 %	73.3-129		9112217	MS	23-Nov-19	8021B	
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**Petroleum Hydrocarbons by GC FID****S-04**

GRO C6-C10*	12.1		10.0	mg/kg	1	9112209	MS	23-Nov-19	8015B	
DRO >C10-C28*	1460		10.0	mg/kg	1	9112209	MS	23-Nov-19	8015B	
EXT DRO >C28-C36	406		10.0	mg/kg	1	9112209	MS	23-Nov-19	8015B	

Surrogate: 1-Chlorooctane			95.2 %	41-142		9112209	MS	23-Nov-19	8015B	
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Surrogate: 1-Chlorooctadecane			149 %	37.6-147		9112209	MS	23-Nov-19	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
408 W. TEXAS AVE.  
ARTESIA NM, 88210

Project: FALCON 3 FED BATTERY  
Project Number: 701307.125.01  
Project Manager: CHRIS JONES  
Fax To: (575) 745-8905

Reported:  
13-Feb-20 15:15

S- 3 0.5'  
H903966-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	3160		16.0	mg/kg	4	9112609	AC	26-Nov-19	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	9112217	MS	25-Nov-19	8021B	
Toluene*	0.090		0.050	mg/kg	50	9112217	MS	25-Nov-19	8021B	
Ethylbenzene*	0.288		0.050	mg/kg	50	9112217	MS	25-Nov-19	8021B	
Total Xylenes*	1.45		0.150	mg/kg	50	9112217	MS	25-Nov-19	8021B	
Total BTEX	1.82		0.300	mg/kg	50	9112217	MS	25-Nov-19	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			127 %	73.3-129		9112217	MS	25-Nov-19	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	33.9		10.0	mg/kg	1	9112209	MS	23-Nov-19	8015B	
DRO >C10-C28*	289		10.0	mg/kg	1	9112209	MS	23-Nov-19	8015B	
EXT DRO >C28-C36	36.8		10.0	mg/kg	1	9112209	MS	23-Nov-19	8015B	

Surrogate: 1-Chlorooctane			105 %	41-142		9112209	MS	23-Nov-19	8015B	
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Surrogate: 1-Chlorooctadecane			113 %	37.6-147		9112209	MS	23-Nov-19	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
408 W. TEXAS AVE.  
ARTESIA NM, 88210

Project: FALCON 3 FED BATTERY  
Project Number: 701307.125.01  
Project Manager: CHRIS JONES  
Fax To: (575) 745-8905

Reported:  
13-Feb-20 15:15

**S-4 I'**  
**H903966-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	256		16.0	mg/kg	4	9112609	AC	26-Nov-19	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	9112217	MS	23-Nov-19	8021B	
Toluene*	<0.050		0.050	mg/kg	50	9112217	MS	23-Nov-19	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	9112217	MS	23-Nov-19	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	9112217	MS	23-Nov-19	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	9112217	MS	23-Nov-19	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			101 %	73.3-129		9112217	MS	23-Nov-19	8021B	
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**Petroleum Hydrocarbons by GC FID****S-04**

GRO C6-C10*	13.1		10.0	mg/kg	1	9112209	MS	23-Nov-19	8015B	
DRO >C10-C28*	6990		10.0	mg/kg	1	9112209	MS	23-Nov-19	8015B	
EXT DRO >C28-C36	1600		10.0	mg/kg	1	9112209	MS	23-Nov-19	8015B	

Surrogate: 1-Chlorooctane			99.6 %	41-142		9112209	MS	23-Nov-19	8015B	
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Surrogate: 1-Chlorooctadecane			342 %	37.6-147		9112209	MS	23-Nov-19	8015B	
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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TALON LPE  
408 W. TEXAS AVE.  
ARTESIA NM, 88210

Project: FALCON 3 FED BATTERY  
Project Number: 701307.125.01  
Project Manager: CHRIS JONES  
Fax To: (575) 745-8905

Reported:  
13-Feb-20 15:15

S- 5 1'

H903966-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	1310		16.0	mg/kg	4	9112609	AC	26-Nov-19	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	9112217	MS	23-Nov-19	8021B	
Toluene*	<0.050		0.050	mg/kg	50	9112217	MS	23-Nov-19	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	9112217	MS	23-Nov-19	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	9112217	MS	23-Nov-19	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	9112217	MS	23-Nov-19	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			107 %		73.3-129	9112217	MS	23-Nov-19	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	9112216	MS	23-Nov-19	8015B	
DRO >C10-C28*	68.4		10.0	mg/kg	1	9112216	MS	23-Nov-19	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	9112216	MS	23-Nov-19	8015B	

Surrogate: 1-Chlorooctane			83.9 %		41-142	9112216	MS	23-Nov-19	8015B	
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Surrogate: 1-Chlorooctadecane			86.1 %		37.6-147	9112216	MS	23-Nov-19	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
408 W. TEXAS AVE.  
ARTESIA NM, 88210

Project: FALCON 3 FED BATTERY  
Project Number: 701307.125.01  
Project Manager: CHRIS JONES  
Fax To: (575) 745-8905

Reported:  
13-Feb-20 15:15

S- 6 1'  
H903966-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Chloride	1220		16.0	mg/kg	4	9112609	AC	26-Nov-19	4500-Cl-B	

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	9112217	MS	23-Nov-19	8021B	
Toluene*	<0.050		0.050	mg/kg	50	9112217	MS	23-Nov-19	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	9112217	MS	23-Nov-19	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	9112217	MS	23-Nov-19	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	9112217	MS	23-Nov-19	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			102 %	73.3-129		9112217	MS	23-Nov-19	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	9112216	MS	23-Nov-19	8015B	
DRO >C10-C28*	191		10.0	mg/kg	1	9112216	MS	23-Nov-19	8015B	
EXT DRO >C28-C36	15.9		10.0	mg/kg	1	9112216	MS	23-Nov-19	8015B	
Surrogate: 1-Chlorooctane			88.4 %	41-142		9112216	MS	23-Nov-19	8015B	
Surrogate: 1-Chlorooctadecane			93.1 %	37.6-147		9112216	MS	23-Nov-19	8015B	

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE 408 W. TEXAS AVE. ARTESIA NM, 88210	Project: FALCON 3 FED BATTERY Project Number: 701307.125.01 Project Manager: CHRIS JONES Fax To: (575) 745-8905	Reported: 13-Feb-20 15:15
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S- 7 1'  
H903966-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	1440		16.0	mg/kg	4	9112609	AC	26-Nov-19	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	9112217	MS	23-Nov-19	8021B	
Toluene*	<0.050		0.050	mg/kg	50	9112217	MS	23-Nov-19	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	9112217	MS	23-Nov-19	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	9112217	MS	23-Nov-19	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	9112217	MS	23-Nov-19	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			101 %	73.3-129		9112217	MS	23-Nov-19	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	9112216	MS	23-Nov-19	8015B	
DRO >C10-C28*	64.2		10.0	mg/kg	1	9112216	MS	23-Nov-19	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	9112216	MS	23-Nov-19	8015B	

Surrogate: 1-Chlorooctane			81.8 %	41-142		9112216	MS	23-Nov-19	8015B	
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Surrogate: 1-Chlorooctadecane			84.1 %	37.6-147		9112216	MS	23-Nov-19	8015B	
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\*=Accredited Analyte

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*Celestine Keene*

Celestine D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TALON LPE  
408 W. TEXAS AVE.  
ARTESIA NM, 88210

Project: FALCON 3 FED BATTERY  
Project Number: 701307.125.01  
Project Manager: CHRIS JONES  
Fax To: (575) 745-8905

Reported:  
13-Feb-20 15:15

**S- 8 1'**  
**H903966-08 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	5860		16.0	mg/kg	4	9112609	AC	26-Nov-19	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	9112505	MS	25-Nov-19	8021B	
Toluene*	<0.050	0.050	mg/kg	50	9112505	MS	25-Nov-19	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	9112505	MS	25-Nov-19	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	9112505	MS	25-Nov-19	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	9112505	MS	25-Nov-19	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	97.0 %	73.3-129	9112505	MS	25-Nov-19	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	9112216	MS	23-Nov-19	8015B	
DRO >C10-C28*	11.0	10.0	mg/kg	1	9112216	MS	23-Nov-19	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	9112216	MS	23-Nov-19	8015B	

Surrogate: 1-Chlorooctane	83.4 %	41-142	9112216	MS	23-Nov-19	8015B	
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Surrogate: 1-Chlorooctadecane	85.9 %	37.6-147	9112216	MS	23-Nov-19	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
408 W. TEXAS AVE.  
ARTESIA NM, 88210

Project: FALCON 3 FED BATTERY  
Project Number: 701307.125.01  
Project Manager: CHRIS JONES  
Fax To: (575) 745-8905

Reported:  
13-Feb-20 15:15

S- 9 1.5'  
H903966-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	1880		16.0	mg/kg	4	9112609	AC	26-Nov-19	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021****S-04**

Benzene*	<0.100		0.100	mg/kg	100	9112505	MS	25-Nov-19	8021B	
Toluene*	0.982		0.100	mg/kg	100	9112505	MS	25-Nov-19	8021B	
Ethylbenzene*	0.885		0.100	mg/kg	100	9112505	MS	25-Nov-19	8021B	
Total Xylenes*	8.53		0.300	mg/kg	100	9112505	MS	25-Nov-19	8021B	
Total BTEX	10.4		0.600	mg/kg	100	9112505	MS	25-Nov-19	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			148 %	73.3-129		9112505	MS	25-Nov-19	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	163		10.0	mg/kg	1	9112216	MS	23-Nov-19	8015B	
DRO >C10-C28*	1180		10.0	mg/kg	1	9112216	MS	23-Nov-19	8015B	
EXT DRO >C28-C36	122		10.0	mg/kg	1	9112216	MS	23-Nov-19	8015B	

Surrogate: 1-Chlorooctane			100 %	41-142		9112216	MS	23-Nov-19	8015B	
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Surrogate: 1-Chlorooctadecane			116 %	37.6-147		9112216	MS	23-Nov-19	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
408 W. TEXAS AVE.  
ARTESIA NM, 88210

Project: FALCON 3 FED BATTERY  
Project Number: 701307.125.01  
Project Manager: CHRIS JONES  
Fax To: (575) 745-8905

Reported:  
13-Feb-20 15:15

S- 10 2'  
H903966-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	6130		16.0	mg/kg	4	9112609	AC	26-Nov-19	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	9112505	MS	25-Nov-19	8021B	
Toluene*	<0.050	0.050	mg/kg	50	9112505	MS	25-Nov-19	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	9112505	MS	25-Nov-19	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	9112505	MS	25-Nov-19	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	9112505	MS	25-Nov-19	8021B	

Surrogate: 4-Bromofluorobenzene (PID)		104 %	73.3-129		9112505	MS	25-Nov-19	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	9112216	MS	23-Nov-19	8015B	
DRO >C10-C28*	38.0	10.0	mg/kg	1	9112216	MS	23-Nov-19	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	9112216	MS	23-Nov-19	8015B	

Surrogate: 1-Chlorooctane		83.8 %	41-142		9112216	MS	23-Nov-19	8015B	
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Surrogate: 1-Chlorooctadecane		86.1 %	37.6-147		9112216	MS	23-Nov-19	8015B	
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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TALON LPE  
408 W. TEXAS AVE.  
ARTESIA NM, 88210

Project: FALCON 3 FED BATTERY  
Project Number: 701307.125.01  
Project Manager: CHRIS JONES  
Fax To: (575) 745-8905

Reported:  
13-Feb-20 15:15

**Inorganic Compounds - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 9112609 - 1:4 DI Water</b>										
<b>Blank (9112609-BLK1)</b>				Prepared & Analyzed: 26-Nov-19						
Chloride	ND	16.0	mg/kg							
<b>LCS (9112609-BS1)</b>				Prepared & Analyzed: 26-Nov-19						
Chloride	416	16.0	mg/kg	400		104	80-120			
<b>LCS Dup (9112609-BSD1)</b>				Prepared & Analyzed: 26-Nov-19						
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	

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**Analytical Results For:**

TALON LPE  
408 W. TEXAS AVE.  
ARTESIA NM, 88210

Project: FALCON 3 FED BATTERY  
Project Number: 701307.125.01  
Project Manager: CHRIS JONES  
Fax To: (575) 745-8905

Reported:  
13-Feb-20 15:15

**Volatile Organic Compounds by EPA Method 8021 - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 9112212 - Volatiles****Blank (9112212-BLK1)**

Prepared: 22-Nov-19 Analyzed: 23-Nov-19

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							

Surrogate: 4-Bromofluorobenzene (PID) ND mg/kg 0.0500 99.9 73.3-129

**LCS (9112212-BS1)**

Prepared: 22-Nov-19 Analyzed: 23-Nov-19

Benzene	1.69	0.050	mg/kg	2.00		84.6	72.2-131			
Toluene	1.67	0.050	mg/kg	2.00		83.6	71.7-126			
Ethylbenzene	1.62	0.050	mg/kg	2.00		81.2	68.9-126			
Total Xylenes	4.76	0.150	mg/kg	6.00		79.3	71.4-125			

Surrogate: 4-Bromofluorobenzene (PID) 0.0491 mg/kg 0.0500 98.2 73.3-129

**LCS Dup (9112212-BSD1)**

Prepared: 22-Nov-19 Analyzed: 23-Nov-19

Benzene	1.82	0.050	mg/kg	2.00		90.8	72.2-131	7.13	6.91	
Toluene	1.79	0.050	mg/kg	2.00		89.4	71.7-126	6.81	7.12	
Ethylbenzene	1.75	0.050	mg/kg	2.00		87.5	68.9-126	7.53	7.88	
Total Xylenes	5.13	0.150	mg/kg	6.00		85.5	71.4-125	7.58	7.46	

Surrogate: 4-Bromofluorobenzene (PID) 0.0492 mg/kg 0.0500 98.5 73.3-129

**Batch 9112217 - Volatiles****Blank (9112217-BLK1)**

Prepared: 22-Nov-19 Analyzed: 23-Nov-19

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							

Surrogate: 4-Bromofluorobenzene (PID) ND mg/kg 0.0500 98.5 73.3-129

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**Analytical Results For:**

TALON LPE  
408 W. TEXAS AVE.  
ARTESIA NM, 88210

Project: FALCON 3 FED BATTERY  
Project Number: 701307.125.01  
Project Manager: CHRIS JONES  
Fax To: (575) 745-8905

Reported:  
13-Feb-20 15:15

**Volatile Organic Compounds by EPA Method 8021 - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 9112217 - Volatiles****LCS (9112217-BS1)**

Prepared: 22-Nov-19 Analyzed: 23-Nov-19

Benzene	1.59	0.050	mg/kg	2.00		79.4	72.2-131			
Toluene	1.55	0.050	mg/kg	2.00		77.6	71.7-126			
Ethylbenzene	1.58	0.050	mg/kg	2.00		79.0	68.9-126			
Total Xylenes	4.76	0.150	mg/kg	6.00		79.3	71.4-125			
Surrogate: 4-Bromofluorobenzene (PID)	0.0492		mg/kg	0.0500		98.5	73.3-129			

**LCS Dup (9112217-BS1)**

Prepared: 22-Nov-19 Analyzed: 25-Nov-19

Benzene	1.74	0.050	mg/kg	2.00		87.1	72.2-131	9.22	6.91	
Toluene	1.67	0.050	mg/kg	2.00		83.3	71.7-126	7.05	7.12	
Ethylbenzene	1.71	0.050	mg/kg	2.00		85.3	68.9-126	7.72	7.88	
Total Xylenes	5.19	0.150	mg/kg	6.00		86.5	71.4-125	8.67	7.46	
Surrogate: 4-Bromofluorobenzene (PID)	0.0505		mg/kg	0.0500		101	73.3-129			

**Batch 9112505 - Volatiles****Blank (9112505-BLK1)**

Prepared &amp; Analyzed: 25-Nov-19

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		97.4	73.3-129			

**LCS (9112505-BS1)**

Prepared &amp; Analyzed: 25-Nov-19

Benzene	1.70	0.050	mg/kg	2.00		84.9	72.2-131			
Toluene	1.64	0.050	mg/kg	2.00		82.1	71.7-126			
Ethylbenzene	1.68	0.050	mg/kg	2.00		84.1	68.9-126			
Total Xylenes	5.10	0.150	mg/kg	6.00		85.0	71.4-125			
Surrogate: 4-Bromofluorobenzene (PID)	0.0478		mg/kg	0.0500		95.7	73.3-129			

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TALON LPE 408 W. TEXAS AVE. ARTESIA NM, 88210	Project: FALCON 3 FED BATTERY Project Number: 701307.125.01 Project Manager: CHRIS JONES Fax To: (575) 745-8905	Reported: 13-Feb-20 15:15
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**Volatile Organic Compounds by EPA Method 8021 - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 9112505 - Volatiles**

<b>LCS Dup (9112505-BSD1)</b>		Prepared & Analyzed: 25-Nov-19								
Benzene	1.73	0.050	mg/kg	2.00		86.7	72.2-131	2.04	6.91	
Toluene	1.67	0.050	mg/kg	2.00		83.4	71.7-126	1.57	7.12	
Ethylbenzene	1.72	0.050	mg/kg	2.00		85.9	68.9-126	2.06	7.88	
Total Xylenes	5.24	0.150	mg/kg	6.00		87.3	71.4-125	2.61	7.46	
Surrogate: 4-Bromofluorobenzene (PID)	0.0504		mg/kg	0.0500		101	73.3-129			

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\*=Accredited Analyte

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*Celestine D. Keene*

Celestine D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TALON LPE  
408 W. TEXAS AVE.  
ARTESIA NM, 88210

Project: FALCON 3 FED BATTERY  
Project Number: 701307.125.01  
Project Manager: CHRIS JONES  
Fax To: (575) 745-8905

Reported:  
13-Feb-20 15:15

**Petroleum Hydrocarbons by GC FID - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 9112209 - General Prep - Organics****Blank (9112209-BLK1)**

Prepared: 22-Nov-19 Analyzed: 23-Nov-19

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	50.8		mg/kg	50.0		102	41-142			
Surrogate: 1-Chlorooctadecane	51.2		mg/kg	50.0		102	37.6-147			

**LCS (9112209-BS1)**

Prepared: 22-Nov-19 Analyzed: 23-Nov-19

GRO C6-C10	207	10.0	mg/kg	200		103	76.5-133			
DRO >C10-C28	210	10.0	mg/kg	200		105	72.9-138			
Total TPH C6-C28	417	10.0	mg/kg	400		104	78-132			
Surrogate: 1-Chlorooctane	52.4		mg/kg	50.0		105	41-142			
Surrogate: 1-Chlorooctadecane	51.1		mg/kg	50.0		102	37.6-147			

**LCS Dup (9112209-BSD1)**

Prepared: 22-Nov-19 Analyzed: 23-Nov-19

GRO C6-C10	214	10.0	mg/kg	200		107	76.5-133	3.25	20.6	
DRO >C10-C28	212	10.0	mg/kg	200		106	72.9-138	0.814	20.6	
Total TPH C6-C28	426	10.0	mg/kg	400		106	78-132	2.03	18	
Surrogate: 1-Chlorooctane	53.2		mg/kg	50.0		106	41-142			
Surrogate: 1-Chlorooctadecane	51.7		mg/kg	50.0		103	37.6-147			

**Batch 9112216 - General Prep - Organics****Blank (9112216-BLK1)**

Prepared: 22-Nov-19 Analyzed: 23-Nov-19

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	45.0		mg/kg	50.0		90.0	41-142			
Surrogate: 1-Chlorooctadecane	45.4		mg/kg	50.0		90.8	37.6-147			

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
408 W. TEXAS AVE.  
ARTESIA NM, 88210

Project: FALCON 3 FED BATTERY  
Project Number: 701307.125.01  
Project Manager: CHRIS JONES  
Fax To: (575) 745-8905

Reported:  
13-Feb-20 15:15

**Petroleum Hydrocarbons by GC FID - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 9112216 - General Prep - Organics****LCS (9112216-BS1)**

Prepared: 22-Nov-19 Analyzed: 23-Nov-19

GRO C6-C10	202	10.0	mg/kg	200		101	76.5-133			
DRO >C10-C28	202	10.0	mg/kg	200		101	72.9-138			
Total TPH C6-C28	404	10.0	mg/kg	400		101	78-132			
Surrogate: 1-Chlorooctane	42.7		mg/kg	50.0		85.5	41-142			
Surrogate: 1-Chlorooctadecane	43.3		mg/kg	50.0		86.6	37.6-147			

**LCS Dup (9112216-BSD1)**

Prepared: 22-Nov-19 Analyzed: 23-Nov-19

GRO C6-C10	209	10.0	mg/kg	200		104	76.5-133	3.39	20.6	
DRO >C10-C28	204	10.0	mg/kg	200		102	72.9-138	1.11	20.6	
Total TPH C6-C28	413	10.0	mg/kg	400		103	78-132	2.26	18	
Surrogate: 1-Chlorooctane	44.4		mg/kg	50.0		88.8	41-142			
Surrogate: 1-Chlorooctadecane	43.9		mg/kg	50.0		87.7	37.6-147			

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### Notes and Definitions

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

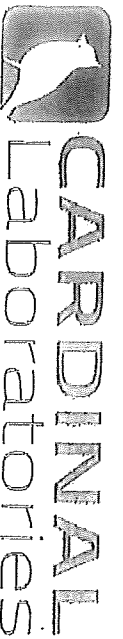
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Celey D. Keene, Lab Director/Quality Manager





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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <b>TRACON LPE</b>		P.O. #: <b>101307.125.01</b>	
Project Manager: <b>CHRIS JONES</b>		Company: <b>TRACON</b>	
Address: <b>408 W. TEXAS AVE</b>		Attn: <b>C. JONES</b>	
City: <b>ARRESIA</b>	State: <b>NM</b> Zip: <b>88210</b>	Address:	
Phone #: <b>575-631-6977</b>	Fax #:	City:	
Project #: <b>101307.125.01</b>	Project Owner: <b>LIME ROCK</b>	State: Zip:	
Project Name: <b>FALCON 3 FED BATTERY</b>	Project Location: <b>EDDY COUNTY</b>	Phone #:	
Sampler Name: <b>MICHAEL GELDER</b>		Fax #:	

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	TPH	BTX	TOTAL CHLORIDES	
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:						ICE / COOL
1	S-1 1'	G	1									11-21-19	1:00pm	✓	✓	✓
2	S-2 0.5'												1:05pm	✓	✓	
3	S-3 0.5'												1:10pm	✓	✓	
4	S-4 1'												1:15pm	✓	✓	
5	S-5 1'												1:20pm	✓	✓	
6	S-6 1'												1:25pm	✓	✓	
7	S-7 1'												1:30pm	✓	✓	
8	S-8 1'												1:35pm	✓	✓	
9	S-9 1.5'												1:40pm	✓	✓	
10	S-10 2'												1:45pm	✓	✓	

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Relinquished By: **M.D. Cull** Date: **11-22-19** Time: **8:00am** Received By: **Michael Gelder** Date: **11-22-19** Time: **1:45pm**

Delivered By: (Circle One) **+480-393-2326** Sample Condition: ☒ Cool ☒ Intact ☐ Yes ☐ No ☐ No ☐ No

Sampler - UPS - Bus - Other: **2.92 / 3.12 #97** Checked By: **[Signature]**

REMARKS: **Pl 1 of 2**

\* Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



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(575) 393-2326 FAX (575) 393-2476

† Cardinal's advisor: Verbalis chānagūes. Pleasea fīkūr wvrvīten chānagūes 10 (575) 398-2326



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

February 04, 2020

CHRIS JONES

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: FALCON 3 FED BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 01/31/20 13:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. 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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
CHRIS JONES  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received: 01/31/2020  
Reported: 02/04/2020  
Project Name: FALCON 3 FED BATTERY  
Project Number: 701307.125.01  
Project Location: LIMEROCK - EDDY CO NM

Sampling Date: 01/29/2020  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: B- 1 0-2' (H000305-01)**

BTX 8021B		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/03/2020	ND	1.93	96.7	2.00	0.489	
Toluene*	<0.050	0.050	02/03/2020	ND	1.92	96.1	2.00	0.242	
Ethylbenzene*	<0.050	0.050	02/03/2020	ND	1.90	95.1	2.00	0.0365	
Total Xylenes*	<0.150	0.150	02/03/2020	ND	5.60	93.3	6.00	0.182	
Total BTX	<0.300	0.300	02/03/2020	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 100 % 73.3-129

Chloride, SM4500Cl-B		mg/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/03/2020	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	02/03/2020	ND	226	113	200	2.81	
DRO >C10-C28*	<10.0	10.0	02/03/2020	ND	214	107	200	4.88	
EXT DRO >C28-C36	<10.0	10.0	02/03/2020	ND					

Surrogate: 1-Chlorooctane 86.8 % 41-142

Surrogate: 1-Chlorooctadecane 83.2 % 37.6-147

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TALON LPE  
CHRIS JONES  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received: 01/31/2020  
Reported: 02/04/2020  
Project Name: FALCON 3 FED BATTERY  
Project Number: 701307.125.01  
Project Location: LIMEROCK - EDDY CO NM

Sampling Date: 01/29/2020  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: B- 2 0-2' (H000305-11)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/03/2020	ND	1.93	96.7	2.00	0.489	
Toluene*	<0.050	0.050	02/03/2020	ND	1.92	96.1	2.00	0.242	
Ethylbenzene*	<0.050	0.050	02/03/2020	ND	1.90	95.1	2.00	0.0365	
Total Xylenes*	<0.150	0.150	02/03/2020	ND	5.60	93.3	6.00	0.182	
Total BTX	<0.300	0.300	02/03/2020	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 100 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/03/2020	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	02/03/2020	ND	226	113	200	2.81	
DRO >C10-C28*	<10.0	10.0	02/03/2020	ND	214	107	200	4.88	
EXT DRO >C28-C36	<10.0	10.0	02/03/2020	ND					

Surrogate: 1-Chlorooctane 89.1 % 41-142

Surrogate: 1-Chlorooctadecane 87.1 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
CHRIS JONES  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received: 01/31/2020  
Reported: 02/04/2020  
Project Name: FALCON 3 FED BATTERY  
Project Number: 701307.125.01  
Project Location: LIMEROCK - EDDY CO NM

Sampling Date: 01/29/2020  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: B- 3 0-2' (H000305-21)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/03/2020	ND	1.93	96.7	2.00	0.489	
Toluene*	<0.050	0.050	02/03/2020	ND	1.92	96.1	2.00	0.242	
Ethylbenzene*	<0.050	0.050	02/03/2020	ND	1.90	95.1	2.00	0.0365	
Total Xylenes*	<0.150	0.150	02/03/2020	ND	5.60	93.3	6.00	0.182	
Total BTX	<0.300	0.300	02/03/2020	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 98.7 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1620	16.0	02/03/2020	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	02/03/2020	ND	226	113	200	2.81	
DRO >C10-C28*	12.6	10.0	02/03/2020	ND	214	107	200	4.88	
EXT DRO >C28-C36	<10.0	10.0	02/03/2020	ND					

Surrogate: 1-Chlorooctane 92.7 % 41-142

Surrogate: 1-Chlorooctadecane 94.8 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
CHRIS JONES  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received: 01/31/2020  
Reported: 02/04/2020  
Project Name: FALCON 3 FED BATTERY  
Project Number: 701307.125.01  
Project Location: LIMEROCK - EDDY CO NM

Sampling Date: 01/29/2020  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: B- 3 4' (H000305-22)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/03/2020	ND	1.93	96.7	2.00	0.489	
Toluene*	<0.050	0.050	02/03/2020	ND	1.92	96.1	2.00	0.242	
Ethylbenzene*	<0.050	0.050	02/03/2020	ND	1.90	95.1	2.00	0.0365	
Total Xylenes*	<0.150	0.150	02/03/2020	ND	5.60	93.3	6.00	0.182	
Total BTX	<0.300	0.300	02/03/2020	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 100 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/03/2020	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	02/03/2020	ND	226	113	200	2.81	
DRO >C10-C28*	<10.0	10.0	02/03/2020	ND	214	107	200	4.88	
EXT DRO >C28-C36	<10.0	10.0	02/03/2020	ND					

Surrogate: 1-Chlorooctane 79.8 % 41-142

Surrogate: 1-Chlorooctadecane 77.9 % 37.6-147

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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### 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

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in cursive script, reading "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager





104 East Maryland, Hobbs, NM 88240  
(505) 393-2326 FAX (505) 393-2478

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST

Company Name: Talon LPE		P.O. #: 701307.125.01	
Project Manager: Chris Jones		Company: Talon LPE	
Address: 408 W Texas Ave		Attn: Chris Jones	
City: Artesia		Address:	
State: NM Zip: 88210		City:	
Phone #: 575-746-8768 Fax #:		State: Zip:	
Project #: 701307.125.01 Project Owner: Line Rock		Phone #:	
Project Location: Eddy County		Fax #:	
Sampler Name: Brandon Sinclair			

Lab I.D.	Sample I.D.	(G)RAB OR (C)COMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:			
4000305	B-1 0-2'	G							1-29-20	0900	TPH EXT	
1	B-1 4'									0910	BTEx	
2	B-1 6'									0920	Total Chlorides	
3	B-1 8'									0930		
4	B-1 10'									0940		
5	B-1 12'									0950		
6	B-1 14'									1000		
7	B-1 16'									1010		
8	B-1 18'									1020		
9	B-1 20'									1030		

PLEASE NOTE: Labelling and packaging of samples must be done in accordance with the instructions provided in the enclosed report. Samples must be labeled with the sample ID, date, time, and location. Samples must be packaged in accordance with the instructions provided in the enclosed report. Samples must be shipped in accordance with the instructions provided in the enclosed report.

Relinquished By: *[Signature]* Date: 1-29-20 Received By: *[Signature]* Date: 1-29-20

Relinquished By: *[Signature]* Date: 1-29-20 Received By: *[Signature]* Date: 1-29-20

Delivered By: (Circle One) *[Signature]* Sample Condition: ☒ Cool ☐ Intact ☐ Yes ☐ No

Sampler: UFS - Bus - Other: #113 #162 ☒ Yes ☐ No

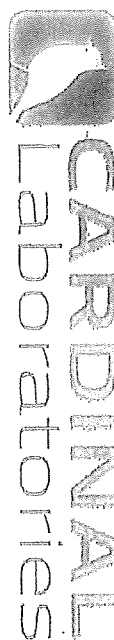
Checked By: (Initials) *[Signature]*

REMARKS: For each sample group (B1, B2, etc.), please test in descending order until cleanup criteria is met (600 mg/kg CL, 100 mg/kg TPH and 50 mg/kg BTEx).

Phone Result: ☐ Yes ☐ No Fax Result: ☐ Yes ☐ No

Phone #: Add'l Phone #: Fax #: Add'l Fax #:

† Cardinal cannot accept verbal changes. Please fax written changes to (505) 393-2326

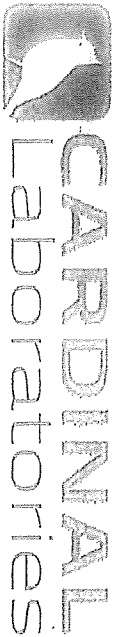


CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240  
(505) 393-2326 FAX (505) 393-2476

Company Name: Talon LPE		P.O. #: 701307.125.01	
Project Manager: Chris Jones		Company: Talon LPE	
Address: 408 W Texas Ave		Attn: Chris Jones	
City: Artesia		State: NM Zip: 88210	
Phone #: 575-746-8768 Fax #:		Address:	
Project #: 701307.125.01		City:	
Project Name: Falcon 3 Fed Battery		State: Zip:	
Project Location: Eddy County		Phone #:	
Sampler Name: Brandon Sinclair		Fax #:	
FOR LAB USE ONLY		PRESERV. SAMPLING	
Lab I.D.	Sample I.D.	DATE	
4000305		TIME	
1	B-2 0-2'	1-29-20 10:50	
12	B-2 4'	11:00	
13	B-2 6'	11:10	
14	B-2 8'	11:20	
15	B-2 10'	11:30	
16	B-2 12'	11:40	
17	B-2 14'	11:50	
18	B-2 16'	12:00	
19	B-2 18'	12:10	
20	B-2 20'	12:20	
PLEASE NOTE: Sampling and analysis are subject to change without notice. If any change is made, it shall be noted in the amount paid by the client for the analysis. All data are subject to change and any other change shall be noted and received by Cardinal within 30 days after completion of the applicable analysis. In the event of a change, the client shall be notified by email or by phone. If no notification is received, the client shall be deemed to have accepted the data as presented. The client shall be responsible for the accuracy of the data presented. The client shall be responsible for the accuracy of the data presented. The client shall be responsible for the accuracy of the data presented.		ANALYSIS REQUEST	
Requisitioned By: <i>Mr. [Signature]</i>		Date: 1-31-20	
Received By: <i>[Signature]</i>		Date: 1-31-20	
Time: 1:30		Time: 1:30	
Delivered By: (Circle One)		Sample Condition	
Sampler - UPS - Bus - Other: #113		Cool: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
		Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
		Checked By: <i>[Signature]</i>	
		Checked By: (Initials)	
		P. 2 of 3	

For each sample group (B1, B2, etc.): please test in descending order until clean up criteria is met (600 mg/kg Cl, 100 mg/kg TPH and 50 mg/kg BTEX).



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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> Talon LPE		<b>P.O. #:</b> 701307.12.5.01
<b>Project Manager:</b> Chris Jones		<b>Company:</b> Talon LPE
<b>Address:</b> 408 W Texas Ave		<b>Attn:</b> Chris Jones
<b>City:</b> Artesia	<b>State:</b> NM <b>Zip:</b> 88210	<b>Address:</b>
<b>Phone #:</b> 575-746-8768	<b>Fax #:</b>	
<b>Project #:</b> 701307.12.5.01	<b>Project Owner:</b> Line Rock	<b>City:</b>
<b>Project Name:</b> Falcon 3 Fed Battery		<b>State:</b> Zip:
<b>Project Location:</b> Eddy County		<b>Phone #:</b>
<b>Sampler Name:</b> Brandon Sinclair		<b>Fax #:</b>

Lab I.D.	Sample I.D.	(C)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME		
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:				ICE / COOL
H000305		G												
21 B-3 0-2'												1-29-10	1240	TPH EXT
22 B-3 4'													1250	BTEX
23 B-3 6'													1300	Total Chlorides
24 B-3 8'													1310	
25 B-3 10'													1320	
26 B-3 12'													1330	
27 B-3 14'													1340	
28 B-3 16'													1350	
29 B-3 18'													1400	
30 B-3 20'													1410	

ELESE NOTE: Lining and liner materials are not required to be tested unless they are found to be damaged or leaking. In no event shall Contractor be liable for incidental or consequential damages, including without limitation, business interruptions, loss of time, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Client, regardless of whether such claim is based upon any of the above stated means of delivery.

<b>Reinforced By:</b> [Signature]	<b>Date:</b> 1-31-20	<b>Received By:</b> [Signature]
<b>Time:</b>		

<b>Delivered By:</b> (Circle One)	<b>Sample Condition:</b>	<b>CHECKED BY:</b> (Initials)
Sampler - UPS - Bus - Other:	Good Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	40.

**REMARKS:**

For each sample group (B1, B2, etc.): please test in descending order until clean up criteria is met (600 mg/kg CL, 100mg/kg TPH and 50 mg/kg BTEX).

Pg 3 of 3