Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2103256332
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: Chase Settle Title: Rep Safety and Environmental Sr

Signature: Chase Settle Date: 10/25/2021

email: Chase_Settle@eogresources.com Telephone: 575-748-1471

OCD Only

Received by: Chad Hensley Date: 11/29/2021

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

Closure Approved by: Chad Hensley Date: 11/29/2021

Printed Name: Chad Hensley Title: Environmental Specialist Advanced

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TALON LPE

Closure Report

Federal FC Com #2H
API # 30-015-26907
Eddy County, New Mexico
Incident # nAPP2103256332

Prepared For:

EOG Resources Inc.
104 S. 4th Street
Artesia, NM 88210

Prepared By:

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

October 21, 2021

NMOCD
1301 W. Grand Ave
Artesia, NM 88210

BLM
620 E. Greene St.
Carlsbad, NM 88220

Subject: **Remediation-Work Plan**
Federal FC Com #2H
API # 30-015-26907
Eddy County, New Mexico
Incident # nAPP2103256332

Dear Mr. Hensley,

EOG Resources contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced location. The incident description, soil sampling results, and the remedial actions are presented herein.

Site Information

The Federal FC Com #2H is located approximately twenty-two (22) miles southwest of Artesia, New Mexico. The legal location for this release is Unit Letter M, Section 24, Township 20 South and Range 24 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.55388, and -104.54824. A Site Location Map is presented in Appendix I.

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services, the soil in this area is made up of Upton-Regan complex with 0 to 9 percent slopes. The referenced soil data is presented in Appendix II. Drainage courses in this area are well drained.

Ground Water and Site Characterization

The New Mexico Office of the State Engineer Database indicates the nearest reported depth to groundwater is 212-feet below ground surface (bgs). See Appendix II for the referenced groundwater depth. Further research of the Bureau of Land Management Karst data indicates that this site is situated within a potential Karst area.

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

Approximate Depth to Groundwater	**212 Feet/bgs**
☐Yes ☒No	Within 300 feet of any continuously flowing watercourse or any other significant watercourse
☐Yes ☒No	Within 200 feet of any lakebed, sinkhole or a playa lake
☐Yes ☒No	Within 300 feet from an occupied permanent residence, school, hospital, institution or church
☐Yes ☒No	Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes
☐Yes ☒No	Within 1000 feet of any freshwater well or spring
☐Yes ☒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
☐Yes ☒No	Within 300 feet of a wetland
☐Yes ☒No	Within the area overlying a subsurface mine
☒Yes ☐No	Within an unstable area
☐Yes ☒No	Within a 100-year floodplain

Because the release occurred in a non-production area (off well pad) and is located in a potential Karst area, the clean-up criteria for this site is as follows.

Table I
Closure Criteria for Soils Impacted by a Release

Depth below horizontal extents of 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

According to the C-141 Release Notification filed with the NMOCD, a poly to steel transition separated due to pressure, causing the release of crude oil and produced water. Approximately 15 bbls (barrels) of crude oil and 5 bbls of produced water were released. Ten (10) bbls of mixed fluids were recovered. The Initial C-141 is attached in Appendix III. The site maps are presented in Appendix I.

Site Assessment

On April 28, 2021, EOG Resources submitted a site characterization report to the NMOCD. The NMOCD responded with a conditional approval of the site remediation plan, requiring that the site be vertically delineated. The initial site map is presented in Appendix I for reference.

On October 06, 2021, based on the field results from the initial site assessment and upon client authorization, Talon personnel and equipment were mobilized to the site in order to continue remediation of the impacted pad area. An area approximately 103 feet long, 97 feet wide, and 4 feet to 5 feet deep was excavated from the well pad. Per NMOCD Table 1 guidelines, confirmation composite soil samples were retrieved from the bottom and sidewalls of the excavated area on a 200 sq. foot basis. The confirmation sampling analytical results from the laboratory are tabulated below. A confirmation sample map is attached in Appendix I. The complete lab report is presented in Appendix VI.

Table I

Soil Sample Laboratory Results, Well Pad

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	DRO + GRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
S-1A	9/24/2021	4'	ND	ND	13	57	ND	70	ND
S-2A	9/24/2021	4'	ND	ND	ND	15	56	71	320
S-3A	9/24/2021	4'	ND	ND	ND	ND	ND	-	440
S-4A	9/24/2021	4'	ND	ND	ND	ND	ND	-	ND
S-11A	9/24/2021	4'	ND	ND	ND	ND	ND	-	ND
S-12A	9/24/2021	4'	ND	ND	ND	ND	ND	-	63
S-16A	9/24/2021	4'	ND	ND	ND	ND	ND	-	82
S-20A	9/24/2021	4'	ND	ND	ND	ND	ND	-	82
S-22A	9/24/2021	4'	ND	ND	ND	ND	ND	-	180
S-24A	10/4/2021	4'	ND	ND	ND	ND	ND	-	ND
S-25A	10/4/2021	4'	ND	ND	ND	ND	ND	-	190
S-26A	9/24/2021	4'	ND	ND	ND	19	ND	19	ND
WSW1	9/24/2021	4'	ND	ND	ND	ND	ND	-	980
WSW1A	10/4/2021	4'	ND	ND	ND	ND	ND	-	130
NSW	9/24/2021	4'	ND	ND	ND	ND	ND	-	440
SSW	9/24/2021	4'	ND	ND	ND	ND	ND	-	ND
SESW1	9/24/2021	4'	ND	ND	ND	ND	ND	-	ND
SESW2	9/24/2021	4'	ND	ND	ND	ND	ND	-	ND
WSW2	9/24/2021	4'	ND	ND	ND	15	48	-	660
WSW2A	10/4/2021	4'	ND	ND	ND	23	55	78	ND

ND = Analyte Not Detected SW = Sidewall

On August 16, 2021, Talon mobilized personnel and equipment to the site in order to assess the site and complete the vertical delineation of the pasture area. Work completed by others indicated that the pasture area had been excavated from depths of 2 feet to 3 feet bgs. The excavated area was mapped, photographed, and sampled by advancing test trenches in order to complete the vertical delineation of the pasture area. All soil samples were properly packaged, preserved, and transported to Hall Laboratories via chain of custody for analysis of Total Chlorides (EPA Method 300.0), TPH (EPA Method 8015M), and BTEX (EPA Method 8021B). Sample locations are shown on the attached confirmation sample site plan and the results of our sampling event are presented on the following data table.

Table II

Soil Sample Laboratory Results, Pasture Area

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			50	10	DRO + GRO + MRO			100	600
TT-1	8/16/2021	3'	ND	ND	ND	ND	ND	-	ND
	8/16/2021	4'	ND	ND	ND	ND	ND	-	ND
	8/16/2021	5'	ND	ND	ND	ND	ND	-	150
TT-2	8/16/2021	2'	ND	ND	ND	ND	ND	-	ND
	8/16/2021	3'	ND	ND	ND	ND	ND	-	110
	8/16/2021	4'	ND	ND	ND	ND	ND	-	90
TT-3	8/17/2021	2'	ND	ND	ND	ND	ND	-	280
	8/17/2021	3'	ND	ND	ND	ND	ND	-	68
	8/17/2021	4'	ND	ND	ND	ND	ND	-	210
TT-4	8/17/2021	2'	ND	ND	ND	ND	ND	-	110
	8/17/2021	3'	ND	ND	ND	ND	ND	-	110
	8/17/2021	4'	ND	ND	ND	ND	ND	-	62
TT-5	8/18/2021	2'	ND	ND	ND	70	ND	70	ND
	8/18/2021	3'	ND	ND	ND	ND	ND	-	160
TT-6	8/18/2021	2'	ND	ND	ND	ND	ND	-	ND
	8/18/2021	3'	ND	ND	ND	ND	ND	-	61
	8/18/2021	4'	ND	ND	ND	ND	ND	-	1000
	8/18/2021	5'	ND	ND	ND	ND	ND	-	520
TT-7	8/19/2021	2'	ND	ND	ND	97	110	207	300
	9/13/2021	4'	.76	.028	ND	68	87	155	2300
	9/13/2021	6'	1.14	.033	6.4	88	300	394.4	4400
	9/13/2021	8'	1.36	ND	8.1	570	1500	2078.1	2200
	9/13/2021	10'	.58	ND	5.0	610	1700	2315	2100
	9/13/2021	12'	.057	ND	ND	360	940	1300	2200
	9/13/2021	14'	ND	ND	ND	32	120	152	1600
	9/13/2021	16'	ND	ND	ND	99	330	429	2200
	9/13/2021	18'	ND	ND	ND	ND	ND	-	2300
	9/13/2021	20'	ND	ND	ND	ND	ND	-	ND
ND = Analyte Not Detected									

See Appendix VI for the complete report of laboratory results.

Remedial Actions

- The impacted area of the well pad area was excavated to depths of 4-5 feet deep and to the horizontal extent that all surface staining and hydrocarbon odors were removed. Laboratory analysis confirms that NMOCD remediation guidelines for soil remediation were achieved horizontally and vertically.

- All contaminated soil was transported to Lea Land, LLC, a NMOCD approved solid waste disposal facility.

- Based on confirmation sample laboratory data, we will proceed to backfill the pad area and restore it to surrounding grade.

- The pasture area was vertically sampled in seven (7) locations to meet the NMOCD conditions of remediation plan approval. Vertical delineation below 600 mg/kg for total chlorides was achieved at all sample locations at depths of 2-3 feet deep with the exception of test trench 6 (TT-6) and test trench 7 (TT-7). TT-6 was vertically delineated at 5 feet bgs and TT-7 was vertically delineated at 20 feet bgs.

- Photographic documentation of excavated areas is provided in Appendix IV.

- In order to complete the remediation of the pasture area, a 20 mil. synthetic liner will be installed at 2 feet deep and keyed in at the edges to prevent future movement. The excavation will be backfilled with clean native top soil followed by seeding with Aplomado Falcon Habitat seed mixture utilizing a seed drill to facilitate vegetation.

Closure

Based on this site characterization, completed remedial actions, and confirmation sampling analytical results, we respectfully request that no further actions be required and that closure of this incident be 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

Rebecca S. Pons
Senior Environmental Project Manager

David J. Adkins
Regional Manager

Attachments:
Appendix I Site Plans
Appendix II Groundwater Data, Soil Survey, Karst Map, TOPO Map
Appendix III C-141 Forms
Appendix IV Photo Documentation
Appendix V NMOCD Correspondence-EOG Workplan
Appendix VI Laboratory Data

APPENDIX I

SITE PLANS

Received by OCD: 10/25/2021 9:07:56 PM

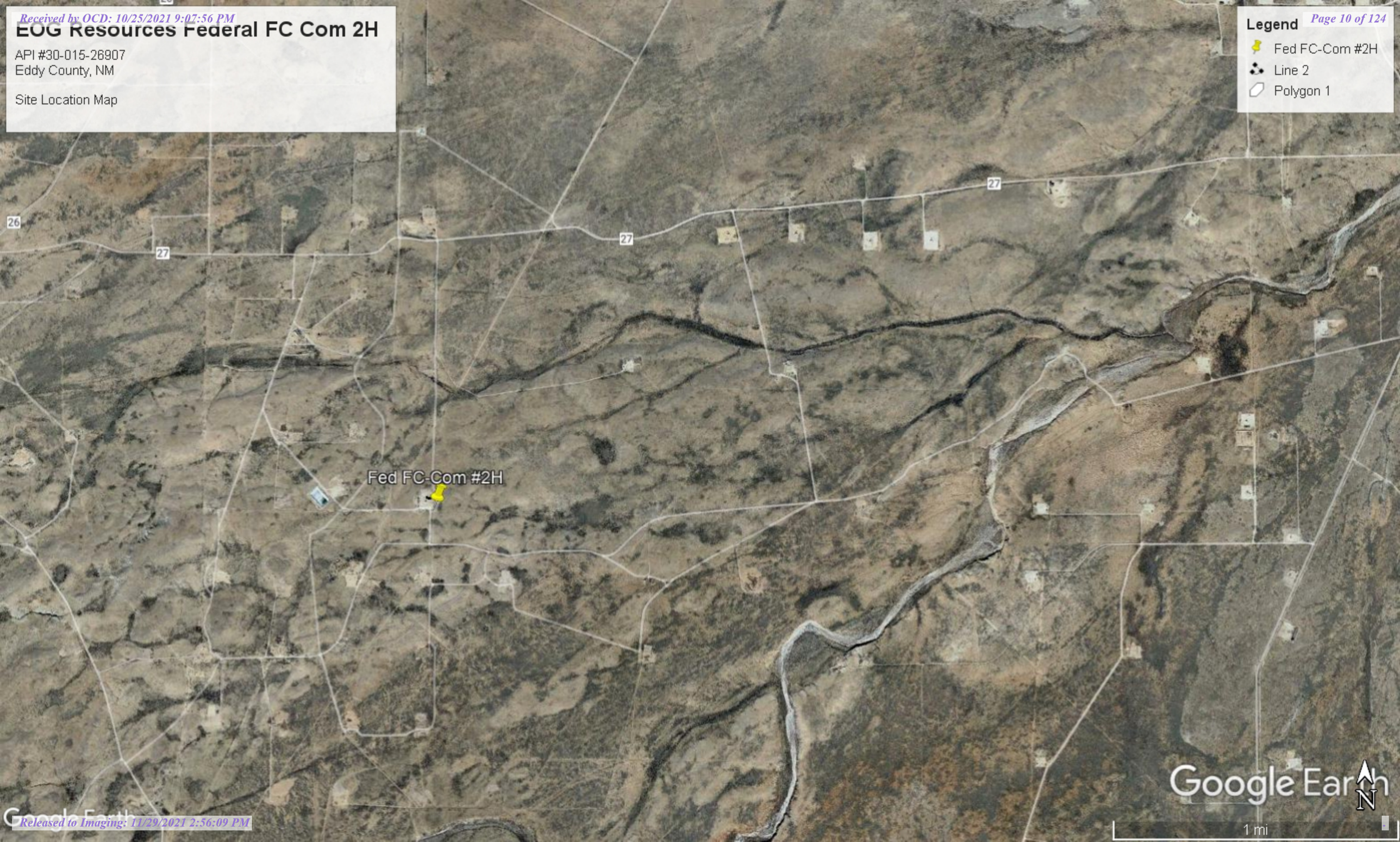
EOG Resources Federal FC Com 2H

API #30-015-26907
Eddy County, NM

Site Location Map

Legend

- Fed FC-Com #2H
- Line 2
- Polygon 1



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N
W
E
S

Feet
0 12.5 25

Sample Points - A
Sample Points - V
Release Area
Historical Drill Pit Area

TALON LPE

Drafted: 10/25/2021
1 in = 25 ft
Drafted By: IJM

EOG Resources, Inc.
Federal FC Com #2H
Eddy County, NM
Site Map

TALON LPE

Drafted: 10/25/2021
1 in = 50 ft
Drafted By: IJM

EOG Resources, Inc.
Federal FC Com #2H
API #30-015-026907
Eddy County, NM
Confirmation Site Plan

APPENDIX II

GROUNDWATER DATA

SOIL SURVEY

KARST MAP

TOPO MAP

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 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
RA 04502		RA	ED		2	2	25	20S	24E	543656	3601480*	1319	300	268	32
RA 04742		RA	ED		3	3	13	20S	24E	542408	3603517*	1596	300		
RA 07771		RA	ED	4	1	4	22	20S	24E	540073	3602194*	2354			
RA 10140		RA	ED	2	1	1	35	20S	24E	540938	3599981*	2436	295		
RA 05424		RA	ED	4	2	3	22	20S	24E	539669	3602194*	2756	1000	400	600
RA 05146		RA	ED		1	2	14	20S	24E	541600	3604734*	2927	300	80	220
RA 05057		RA	ED		3	3	31	20S	25E	544071	3598678*	3642	380	312	68
RA 10618		RA	ED	1	1	4	20	20S	25E	546389	3602414	4007	342	212	130
RA 05038		RA	ED	1	1	4	20	20S	25E	546390	3602416*	4008	314	228	86
RA 09978		RA	ED	3	1	2	29	20S	25E	546393	3601410*	4013	350		
RA 10139		RA	ED	3	3	2	21	20S	24E	538285	3602597*	4181	308		
RA 02775		RA	CH	1	4	3	21	20S	24E	537899	3601986*	4513	140	31	109
RA 04349		RA	ED	4	1	4	17	20S	25E	546587	3603827*	4589	231	170	61
C 03245		C	ED	3	1	4	32	20S	25E	546395	3598990*	4945	253	100	153
RA 04956		RA	ED		1	1	21	20S	24E	537605	3603101*	4949	1013		

Average Depth to Water: **200 feet**

Minimum Depth: **31 feet**

Maximum Depth: **400 feet**

Record Count: 15

UTMNAD83 Radius Search (in meters):

Easting (X): 542412 **Northing (Y):** 3601921 **Radius:** 5000

***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.

8/16/21 11:07 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

New Mexico Office of the State Engineer
Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Twn	Rng	X	Y
	RA 10618	1	1	4	20	20S	25E	546389	3602414

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

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

Drill Start Date: 09/14/2004 **Drill Finish Date:** 09/14/2004 **Plug Date:**

Log File Date: 09/20/2004 **PCW Rcv Date:** **Source:** Artesian

Pump Type: SUBMER **Pipe Discharge Size:** **Estimated Yield:** 130 GPM

Casing Size: 6.63 **Depth Well:** 342 feet **Depth Water:** 212 feet

Water Bearing Stratifications:

Top	Bottom	Description
238	292	Limestone/Dolomite/Chalk
298	342	Limestone/Dolomite/Chalk

Casing Perforations:

Top	Bottom
236	312
312	342

Meter Number: 8311 **Meter Make:** BLANCETT

Meter Serial Number: 112211502 **Meter Multiplier:** 1.0000

Number of Dials: 6 **Meter Type:** Diversion

Unit of Measure: Barrels 42 gal. **Return Flow Percent:**

Usage Multiplier: **Reading Frequency:**

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
09/18/2004	2004	106888	A	RPT		0	
10/13/2004	2004	110043	A	RPT		0.968	
01/05/2005	2005	0	A	RPT		0	
02/10/2005	2005	7420	A	RPT		2.277	
07/14/2005	2005	43444	A	RPT		0	
09/12/2005	2005	53144	A	RPT		2.977	
10/29/2005	2005	141623	A	RPT		0	
12/04/2005	2005	147395	A	RPT		1.771	
05/11/2012	2012	0	A	RPT		0	
05/22/2012	2012	23038	A	RPT		2.969	
05/22/2012	2012	23038	A	RPT	intial reading for RA 11821	0	
06/02/2012	2012	46176	A	RPT	ending reading for RA 11821	2.982	

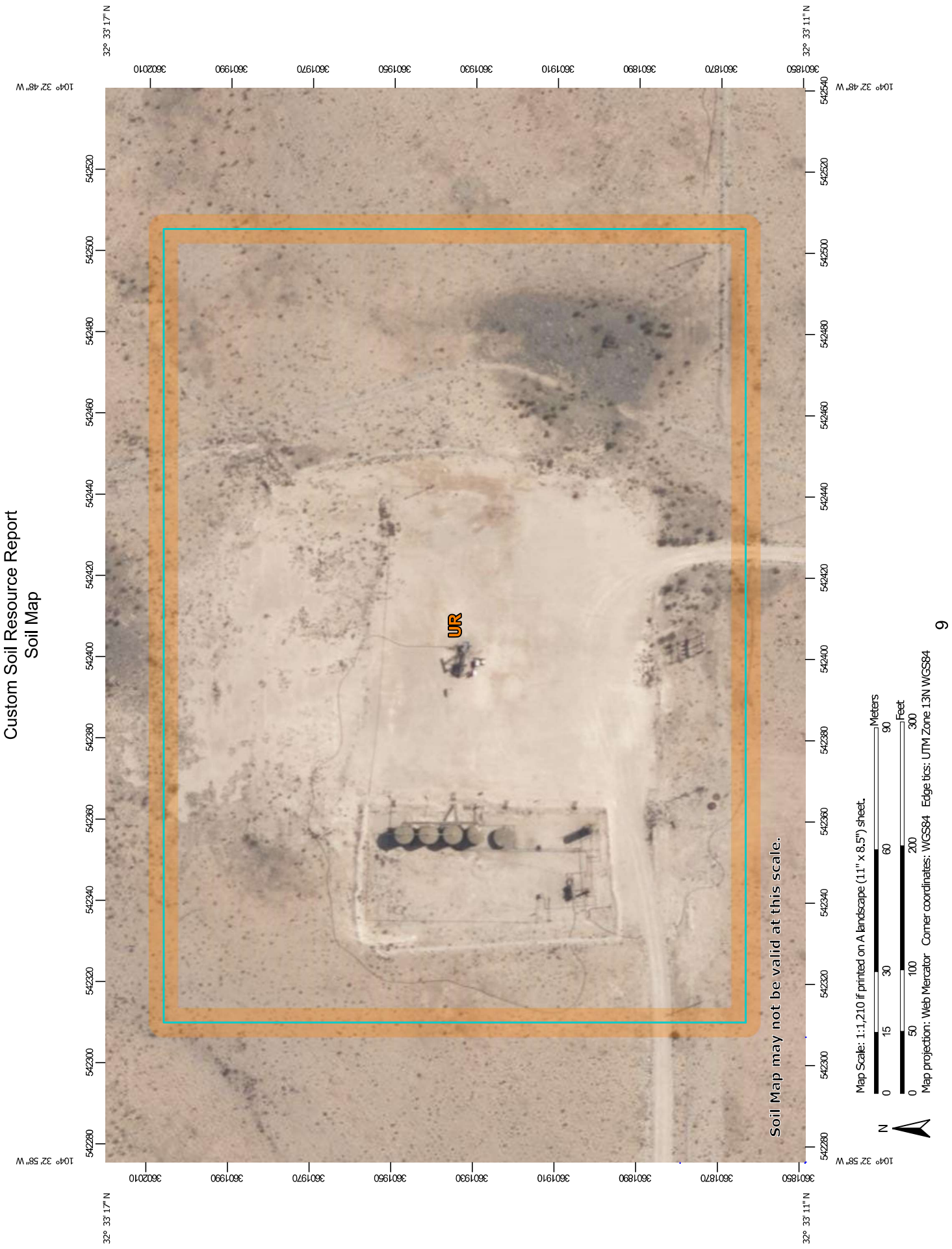
****YTD Meter Amounts:**

Year	Amount
2004	0.968
2005	7.025

2012	5.951

x

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


Custom Soil Resource Report
Soil Map
UR
Soil Map may not be valid at this scale.
Map Scale: 1:1,210 if printed on A landscape (11" x 8.5") sheet.
Meters
Feet
Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84
N
32° 33' 17" N
32° 33' 11" N
104° 32' 48" W
104° 32' 58" W
542280
542300
542320
542340
542360
542380
542400
542420
542440
542460
542480
542500
542520
542540
3602010
3601990
3601970
3601950
3601930
3601910
3601890
3601870
3601850

Eddy Area, New Mexico

UR—Upton-Reagan complex, 0 to 9 percent slopes

Map Unit Setting

National map unit symbol: 1w65
Elevation: 1,100 to 5,400 feet
Mean annual precipitation: 6 to 15 inches
Mean annual air temperature: 60 to 70 degrees F
Frost-free period: 180 to 240 days
Farmland classification: Not prime farmland

Map Unit Composition

Upton and similar soils: 55 percent
Reagan and similar soils: 35 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Upton

Setting

Landform: Ridges, fans
Landform position (three-dimensional): Side slope, rise
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Residuum weathered from limestone

Typical profile

H1 - 0 to 9 inches: gravelly loam
H2 - 9 to 13 inches: gravelly loam
H3 - 13 to 21 inches: cemented
H4 - 21 to 60 inches: very gravelly loam

Properties and qualities

Slope: 0 to 9 percent
Depth to restrictive feature: 7 to 20 inches to petrocalcic
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Low to moderately high (0.01 to 0.60 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 75 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Very low (about 1.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: D
Ecological site: R042XC025NM - Shallow
Hydric soil rating: No

Description of Reagan

Setting

Landform: Fan remnants, alluvial fans
Landform position (three-dimensional): Rise
Down-slope shape: Convex, linear
Across-slope shape: Linear
Parent material: Alluvium and/or eolian deposits

Typical profile

H1 - 0 to 8 inches: loam
H2 - 8 to 60 inches: loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Maximum salinity: Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 8.2 inches)

Interpretive groups

Land capability classification (irrigated): 2e
Land capability classification (nonirrigated): 6e
Hydrologic Soil Group: B
Ecological site: R042XC007NM - Loamy
Hydric soil rating: No

Minor Components

Reagan

Percent of map unit: 5 percent
Ecological site: R042XC007NM - Loamy
Hydric soil rating: No

Pima

Percent of map unit: 5 percent
Ecological site: R042XC017NM - Bottomland
Hydric soil rating: No

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EOG Resources Fed. FC Com 2H

Eddy County
API 30-015-26907

Karst Map

Legend
- Fed FC-Com #2H
- High
- Low
- Medium

Fed FC-Com #2H

Survey

N

1000 ft

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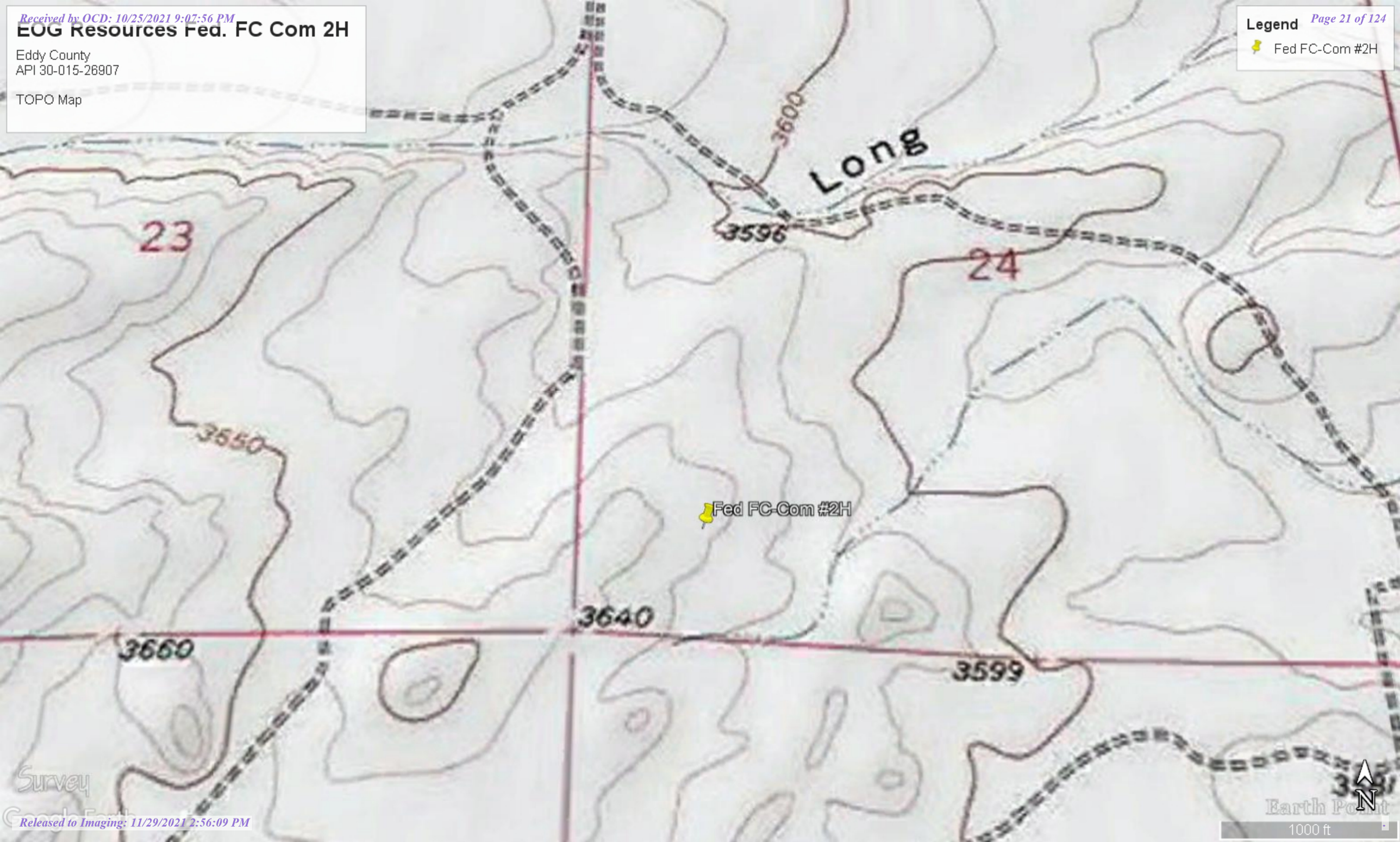
EOG Resources Fed. FC Com 2H

Eddy County
API 30-015-26907

TOPO Map

Legend

Fed FC-Com #2H



APPENDIX III

C-141

FORMS

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	nAPP2103256332
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party EOG Resources, Inc.	OGRID 7377
Contact Name Chase Settle	Contact Telephone 575-748-1471
Contact email Chase_Settle@eogresources.com	Incident # *(assigned by OCD)*
Contact mailing address 104 S. 4th Street, Artesia, NM 88210	

Location of Release Source

Latitude 32.55388 Longitude -104.54824
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Federal FC Com #2H	Site Type Oil Well
Date Release Discovered 01/29/2021	API# *(if applicable)* 30-015-26907

Unit Letter	Section	Township	Range	County
M	24	20S	24E	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)

☑ Crude Oil	Volume Released (bbls) 15	Volume Recovered (bbls) 8
☑ Produced Water	Volume Released (bbls) 5	Volume Recovered (bbls) 2
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☑ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

A poly to steel transition separated due to pressure, causing the release of crude oil and produced water.

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

Initial Response

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

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

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

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

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

Printed Name: Chase Settle
Title: Rep Safety & Environmental II
Signature: Chase Settle
Date: 02/01/2021
email: Chase_Settle@eogresources.com
Telephone: 575-748-1471

OCD Only

Received by: _____ Date: _____

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

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

CONDITIONS

Action 16569

CONDITIONS OF APPROVAL

Operator:	OGRID:	Action Number:	Action Type:
EOG RESOURCES INC P.O. Box 2267 Midland, TX79702	7377	16569	C-141

OCD Reviewer	Condition
rmarcus	None

State of New Mexico
Oil Conservation Division

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

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

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

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

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

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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: Chase Settle
Title: Rep Safety & Environmental Sr

Signature: Chase Settle
Date: 04/29/2021

email: Chase_Settle@eogresources.com
Telephone: 575-748-1471

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

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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: Chase Settle Title: Rep Safety and Environmental Sr

Signature: Chase Settle Date: 10/25/2021

email: Chase_Settle@eogresources.com Telephone: 575-748-1471

OCD Only

Received by: _____ Date: _____

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

EOG Resources Federal FC Com 2H

PHOTO DOCUMENTATION

Excavated Pad Area

Aerial of View of Excavation

Pasture Excavation

Pad Excavation looking N. to Pasture Excavation

APPENDIX V

NMOCD-CORRESPONDENCE

WORKPLAN

To whom it may concern (c/o Katie Jamison for EOG RESOURCES INC),

The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2103256332, with the following conditions:

- **The depth to groundwater has not been adequately determined. When nearby wells are used to determine depth to groundwater, the wells should be no further than ½ mile away from the site, and data should be no more than 25 years old, and well construction information should be provided in the submission. The responsible party may choose to remediate to the most stringent levels listed in Table 1 of 19.15.29 NMAC in lieu of drilling to determine the depth to groundwater.**
- **The spill hasn't been vertically delineated. The OCD requests that samples be taken to a depth that contamination amounts are under the limit. Samples V-31,32,33,34,44,45,46,&49 are above acceptable limits per 19.15.29.13. Please include in your closure report vertical samples showing acceptable limits for the above samples in question.**

The signed C-141 can be found in the OCD Online: Imaging under the incident ID (n#).

If you have any questions regarding this application, please contact me.

Thank you,
Chad Hensley
Environmental Science & Specialist
575-703-1723
Chad.Hensley@state.nm.us

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EOG Resources, Inc.
Artesia Division Office
104 S. 4th Street
Artesia, N. M. 88210

April 28, 2021

NMOCD District II
811 S. First St.
Artesia, NM 88210

Re: Federal FC Com #2H
30-015-26907
M-24-20S-24E
Eddy County, NM
Incident #nAPP2103256332

EOG Resources, Inc. is submitting the enclosed remediation work plan for the above referenced site. The plan is being submitted in reference to the C-141 report submitted on February 1, 2021.

If you have any questions, feel free to call me at (575) 748-1471.

Respectfully,

Chase Settle
Rep Safety & Environmental Sr
EOG Resources, Inc.

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Federal FC Com #2H

Remediation Work Plan

30-015-26907

M-24-20S-24E

Eddy County, NM

April 28, 2021

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I. Location

From the intersection of White Pine Road and Picket Road, follow Picket Road for 4.6 miles, then turn south on the lease road for 1.3 miles to the location.

II. Background

EOG personnel discovered a release at the wellhead, caused by the separation of a poly to steel transition coupling. The release consisted of 15 barrels of Crude Oil and 5 barrels of Produced Water, with 8 barrels of Crude Oil and 2 barrels of Produced Water recovered by a vacuum truck. Initial excavation of impacted soil began after acquiring a NM One Call. Approximately 1 foot of impacted soil was excavated prior to the first sampling event on February 3, 2021. Samples were collected by way of 5-point composite sampling with no single sample representing greater than 200 square feet. Results from that initial sampling indicated that further excavation would be required in areas, but also provided that other areas had met Table 1 guidance. Further excavation of the areas not meeting the Table 1 guidance was completed, with another sampling event occurring on March 22, 2021, following the same sampling protocol used during the initial sampling of no single sampling representing greater than 200 square feet. Two areas were excluded from further sampling once it was determined that they were part of the historical drilling pit, evidenced by the plastic pit liner encountered during excavation activities. The release ran onto the historical drilling pit directly north of the pumping unit and across the historical drilling pit as it ran northeast. The second sampling activity again showed that further excavation would be required in certain areas, while also displaying other areas had met Table 1 standards. Further excavation was completed and a third sampling event occurred on April 26, 2021. During this sampling event, samples were again collected by way of 5-point composite sampling representing less than 200 square feet, but deeper delineation samples (A1-A10) were also collected representative of the surrounding areas. More excavation will be needed in certain areas, but all deeper delineation samples returned under Table 1 standards. Sampling notification was provided to NMOCD and BLM on February 1, March 17, and April 21, 2021, for the 3 sampling events that occurred.

III. Surface and Ground Water

Area surface geology is Paleozoic Permian. Based on information from the New Mexico Office of the State Engineer (NMOSE) regarding this location (Section 24, T20S-R24E), the closest well to the release site has a groundwater depth of 268 feet. Watercourses in the area are dry except for infrequent flows in response to major precipitation events, with the nearest body of significant surface water being the Brantley Lake at 8 miles away. The site is not within a 100 year flood plain according to FEMA, but is within a high karst area according to the Bureau of Land Management designations.

IV. NMOCD Assessment Criteria

The site assessment criteria are as follows:

Depth to ground water	> 100’
Wellhead Protection Area	> 1000’
Distance to surface water body	> 1000’

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Based on the assessment criteria, the NMOCD established RRALs for this site are:

Benzene	10 mg/kg
BTEX	50 mg/kg
TPH	100 mg/kg
Chlorides	600 mg/kg

V. Soils

USDA Natural Resources Conservation Service (NRCS) classifies soil in the area as Upton-Reagan complex, with 0-9% slopes.

VI. Scope of Work

In the 2 areas, V26-V34 and V44-V49, where the release ran over the historical drill pit, EOG will install a 20 ml synthetic liner in the bottom of the excavated areas then backfill with clean, non-contaminated caliche from a local source. During initial excavation activities, the west area was excavated to approximately 1 foot below grade surface (bgs) and the east area was excavated to approximately 2 feet bgs. Due to the ragged condition of the original plastic liner used to line the drill pit, there is no viable way to connect or seam the two liners together. The 20 ml synthetic liner will prohibit any further vertical migration in the areas until both are permanently addressed when the historical drill pit reclamation occurs during P&A.

Based on the results of the last sampling on April 26, 2021, there are still 11 areas that need further excavation. V1, V3, V4, V11, V12, V16, V22, V24, and V25 areas are still above the Table 1 standard for chloride concentration, and the V37 and V38 areas are still over the TPH limit. The A1-A10 samples indicate where soil will meet the Table 1 guidelines, so the remaining areas will be further excavated with confirmation completed by way of 5-point composite samples, with no single sample representing greater than 200 square feet. Once all vertical excavation is completed, sidewall confirmation sampling will be completed by the same method, making sure that no single sample is representative of greater than 200 square feet of sidewall. The estimated yardage remaining to be excavated and hauled to disposal is approximately 150 cubic yards.

At the completion of the remediation project, the off pad area will be reseeded with the BLM Aplomado Falcon Habitat Seed Mixture. The production area will not be reseeded since it is still an active production site. When remediation work is completed, a C-141 Closure Report will be submitted to NMOCD and BLM requesting closure of the site.

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Table 1
Soil Analytical Data

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Soil Analytical Data

Sample ID	Depth (ft. bgs)	Date	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH (GRO)	TPH (DRO)	TPH EXT DRO	Total TPH	Chlorides
V1-1	1	2/3/21	ND	ND	ND	ND	ND	ND	270	300	570	550
V1-2	2	3/22/21	ND	ND	ND	ND	ND	ND	520	600	1120	5100
V1-4	4	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	2700
V2-1	1	2/3/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	250
V3-1	1	2/3/21	ND	ND	ND	ND	ND	ND	95	85	180	1300
V3-2	2	3/22/21	ND	ND	ND	ND	ND	ND	92	72	164	530
V3-4	4	4/26/21	ND	ND	ND	ND	ND	ND	31	ND	31	1000
V4-1	1	2/3/21	ND	ND	ND	ND	ND	ND	600	500	1100	750
V4-2	2	3/22/21	ND	ND	ND	ND	ND	ND	17	ND	17	9500
V4-4	4	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	990
V5-1	1	2/3/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
V6-1	1	2/3/21	7.7	58	52	74	191.7	1400	3600	2000	7000	1200
V6-2	5	3/22/21	ND	ND	ND	ND	ND	ND	26	ND	26	600
V7-1	1	2/3/21	ND	ND	ND	ND	ND	ND	110	99	209	350
V7-3	3	3/22/21	ND	ND	ND	ND	ND	ND	190	170	360	880
V7-4	4	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	530
V8-1	1	2/3/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
V9-1	1	2/3/21	ND	ND	ND	ND	ND	ND	12	ND	12	ND
V10-1	1	2/3/21	ND	1.8	4.6	7.4	13.8	140	940	550	1630	420
V10-5	5	3/22/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	1300
V10-6	6	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
V11-1	1	2/3/21	ND	ND	0.37	0.75	1.12	ND	1600	880	2480	1700
V11-3	3	3/22/21	ND	ND	ND	ND	ND	ND	32	ND	32	2300
V11-4	4	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	650
V12-1	1	2/3/21	ND	0.44	1.7	3.3	5.44	65	1300	1100	2465	1200
V12-3	3	3/22/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	1900
V12-4	4	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	730
V13-1	1	2/3/21	ND	ND	0.05	ND	0.05	ND	180	180	360	350
V13-3	3	3/22/21	ND	ND	ND	ND	ND	ND	67	89	156	1700
V13-4	4	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	390
V14-1	1	2/3/21	0.047	0.29	0.30	0.46	1.097	9.8	440	420	869.8	980
V14-3	3	3/22/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	230
V15-1	1	2/3/21	ND	ND	ND	ND	ND	ND	150	110	260	630
V15-3	3	3/22/21	ND	ND	ND	ND	ND	ND	37	ND	37	260
V16-1	1	2/3/21	ND	0.71	2.4	4.6	7.71	97	2100	1300	3497	4700
V16-3	3	3/22/21	ND	ND	ND	ND	ND	ND	110	91	201	800
V16-4	4	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	790
V17-1	1	2/3/21	ND	ND	ND	ND	ND	ND	230	230	460	440
V17-2	2	3/22/21	ND	ND	ND	ND	ND	ND	55	ND	55	800
V17-4	4	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	410
V18-1	1	2/3/21	ND	ND	0.54	1.2	1.74	31	1200	1100	2331	860
V18-2	2	3/22/21	ND	ND	ND	ND	ND	ND	120	87	207	1100
V18-4	4	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	420
V19-1	1	2/3/21	ND	0.11	0.20	0.32	0.63	ND	460	330	790	380
V19-2	2	3/22/21	ND	ND	ND	ND	ND	ND	13	ND	13	4300
V19-4	4	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	320
V20-1	1	2/3/21	ND	ND	ND	ND	ND	ND	15	ND	15	860
V20-2	2	3/22/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	1700
V20-4	4	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	210
V21-1	1	2/3/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	890
V21-2	2	3/22/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	520
V22-1	1	2/3/21	ND	ND	ND	ND	ND	ND	980	560	1540	1500
V22-2	2	3/22/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	1100
V22-4	4	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	720
V23-1	1	2/3/21	ND	ND	ND	ND	ND	ND	170	110	280	240
V23-2	2	3/22/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	2300
V23-4	4	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	190
V24-1	1	2/3/21	ND	ND	ND	ND	ND	ND	160	87	247	480
V24-2	2	3/22/21	ND	ND	ND	ND	ND	ND	13	ND	13	1400
V24-4	4	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	980
V25-1	1	2/3/21	ND	ND	ND	ND	ND	ND	460	270	730	620
V25-2	2	3/22/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	1200
V25-4	4	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	830
V26-1	2	2/3/21	ND	2.5	14	26	42.5	570	3700	1800	6070	160

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V27-1	2	2/3/21	ND	0.46	4.6	9.5	14.56	240	3400	1800	5440	330
V28-1	2	2/3/21	ND	ND	0.44	0.68	1.12	49	880	700	1629	400
V29-1	2	2/3/21	ND	ND	ND	ND	ND	ND	640	340	980	500
V30-1	2	2/3/21	ND	ND	ND	ND	ND	ND	200	110	310	310
V31-1	2	2/3/21	ND	0.057	0.35	0.71	1.117	13	970	560	1543	980
V32-1	2	2/3/21	ND	0.13	0.16	0.27	0.56	10	960	520	1490	1200
V33-1	2	2/3/21	ND	ND	0.44	0.88	1.32	45	1000	540	1585	980
V34-1	2	2/3/21	ND	ND	ND	ND	ND	ND	270	190	460	700
V35-1	1	2/3/21	0.034	0.31	0.59	1.1	2.034	31	1400	740	2171	450
V35-2	2	3/22/21	ND	ND	ND	ND	ND	ND	32	50	82	2600
V35-2.5	2.5	4/26/21	ND	ND	ND	ND	ND	ND	18	ND	18	170
V36-1	1	2/3/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	2500
V36-2	2	3/22/21	ND	ND	ND	ND	ND	ND	14	ND	14	2400
V36-2.5	2.5	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
V37-1	0.5	2/3/21	ND	3.6	29	55	87.6	1100	5900	2900	9900	460
V37-2	2	3/22/21	ND	ND	ND	ND	ND	ND	120	76	196	310
V37-2.5	2.5	4/26/21	ND	ND	ND	ND	ND	ND	250	210	460	140
V38-1	0.5	2/3/21	ND	ND	ND	ND	ND	ND	62	49	111	ND
V39-1	0.5	2/3/21	ND	0.058	0.15	0.27	0.478	7.9	390	220	617.9	130
V39-2	1	3/22/21	ND	0.067	0.049	ND	0.116	ND	30	200	230	ND
V39-2.5	2.5	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	410
V40-1	0.5	2/3/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
V41-1	0.5	2/3/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
V42-1	1	2/3/21	ND	ND	ND	ND	ND	ND	12	ND	12	1900
V42-3	3	3/22/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	290
V43-1	1	2/3/21	ND	ND	0.089	0.21	0.299	7.4	550	330	887.4	1000
V43-3	3	3/22/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	310
V44-1	1	2/3/21	ND	ND	0.84	2.1	2.94	90	3300	1600	4990	670
V45-1	1	2/3/21	ND	ND	0.85	2.2	3.05	74	4100	2100	6274	660
V46-1	1	2/3/21	0.23	1.8	2.5	4.6	9.13	120	2100	1200	3420	1200
V47-1	1	2/3/21	ND	ND	ND	ND	ND	ND	41	56	97	120
V48-1	1	2/3/21	ND	1.3	7.6	16	24.9	410	4000	2000	6410	140
V49-1	1	2/3/21	ND	ND	0.13	0.27	0.40	7.6	480	290	777.6	1500
A1-6'	6	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	160
A2-8'	8	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	100
A3-6'	6	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	220
A4-6'	6	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A5-6'	6	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	260
A6-6'	6	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	94
A7-6'	6	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	150
A8-3'	3	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	290
A9-3'	3	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	240
A10-6'	6	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	130

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Figure 1
Site Map with Sample Points

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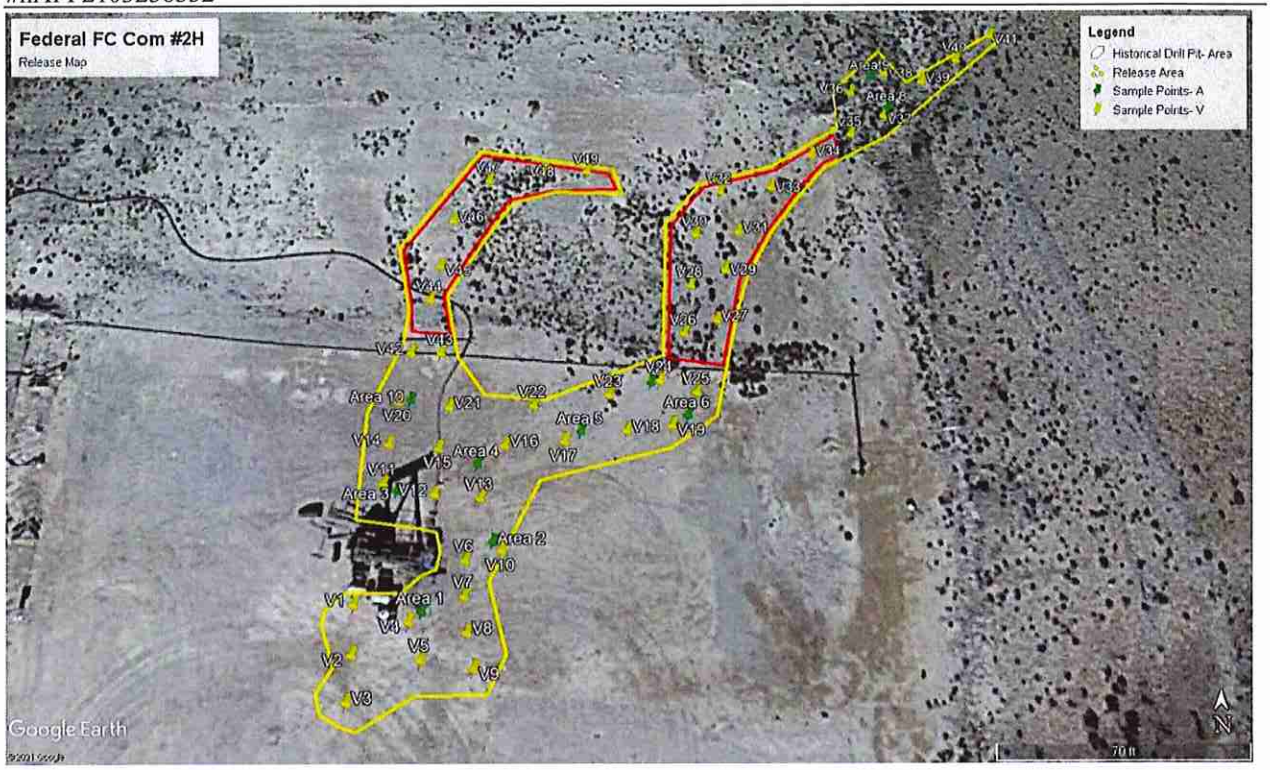

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Historical Drill Pit Photos

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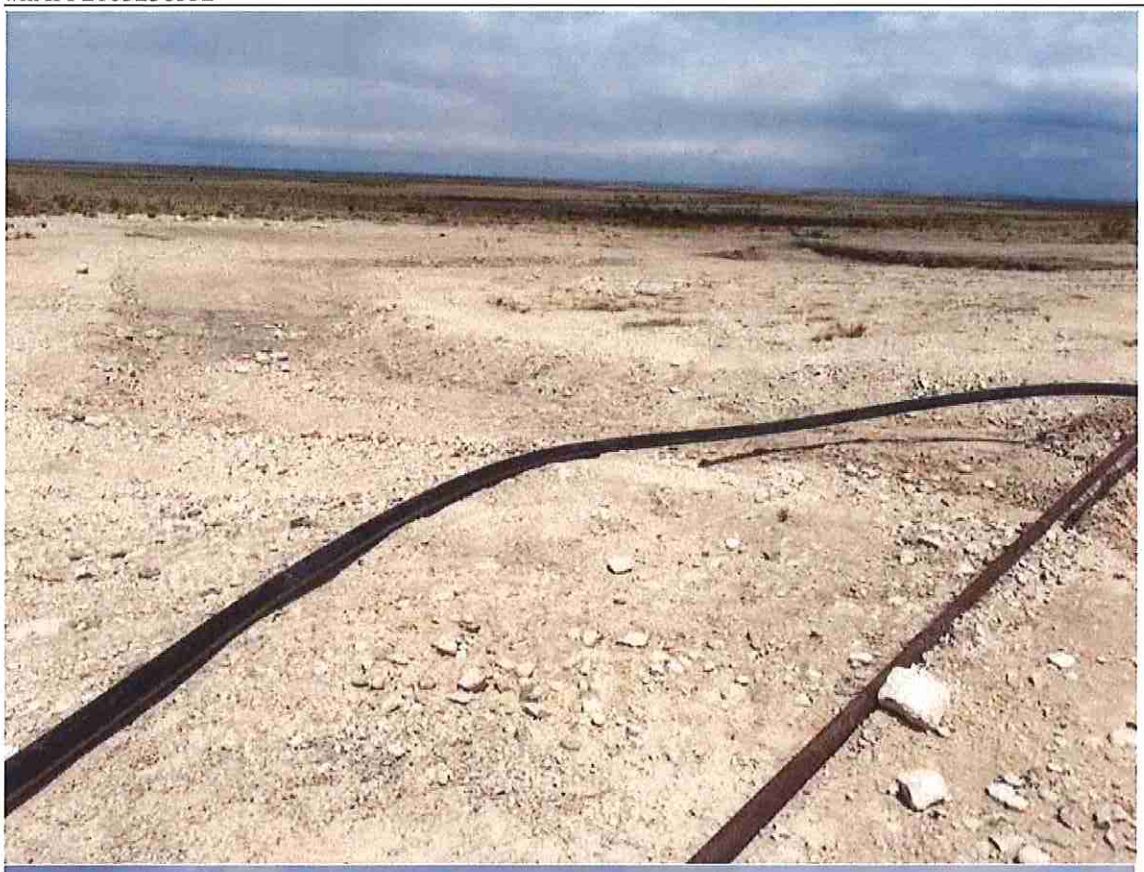

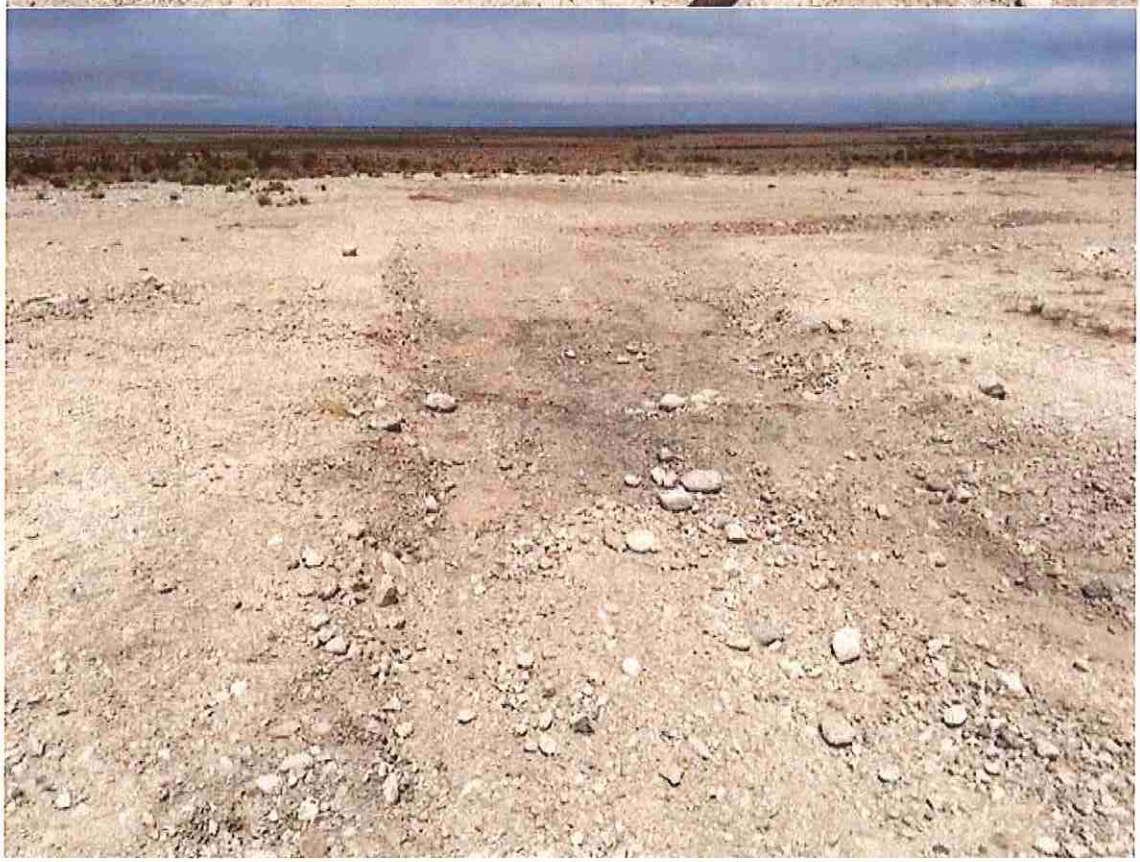

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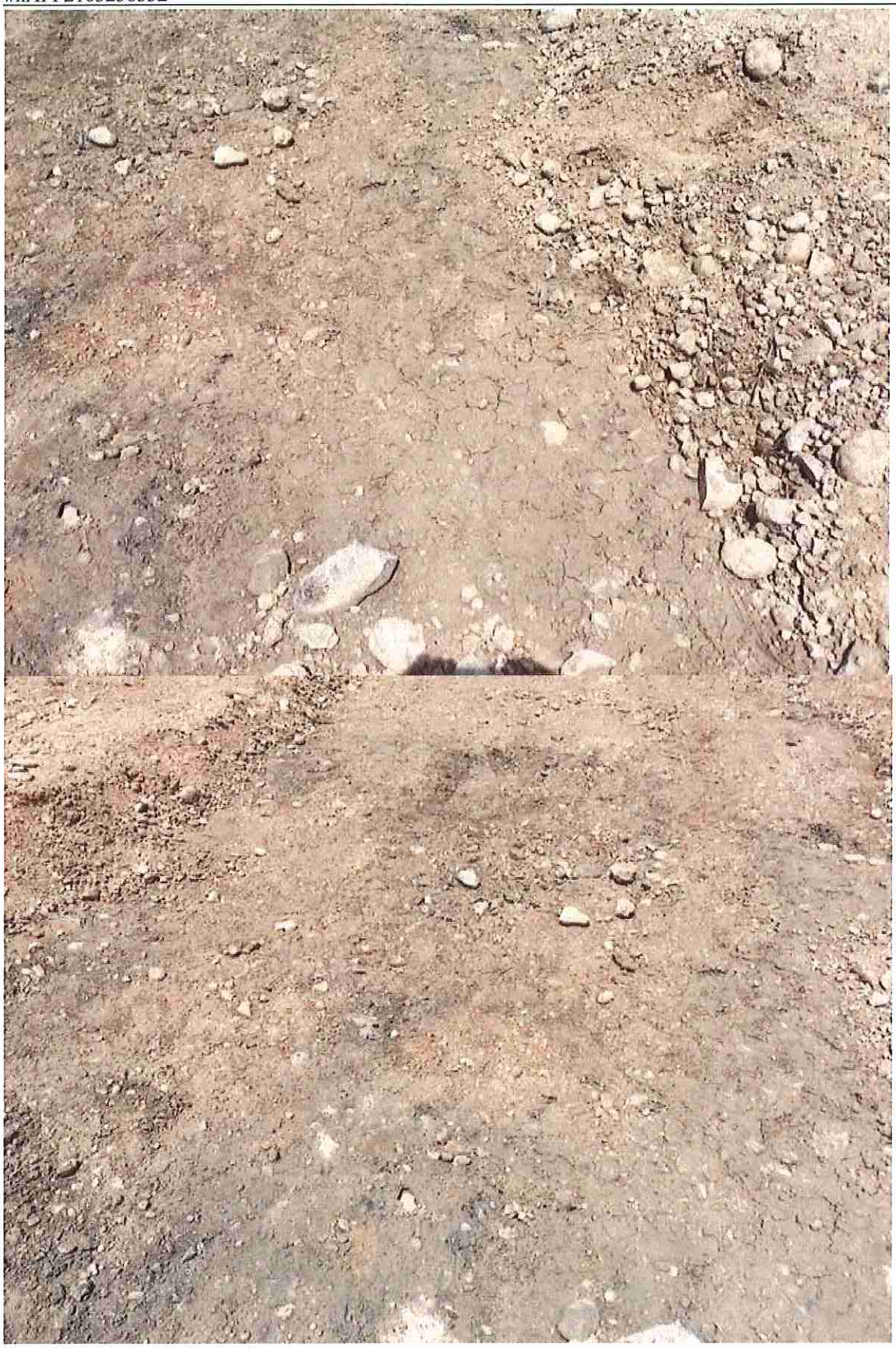

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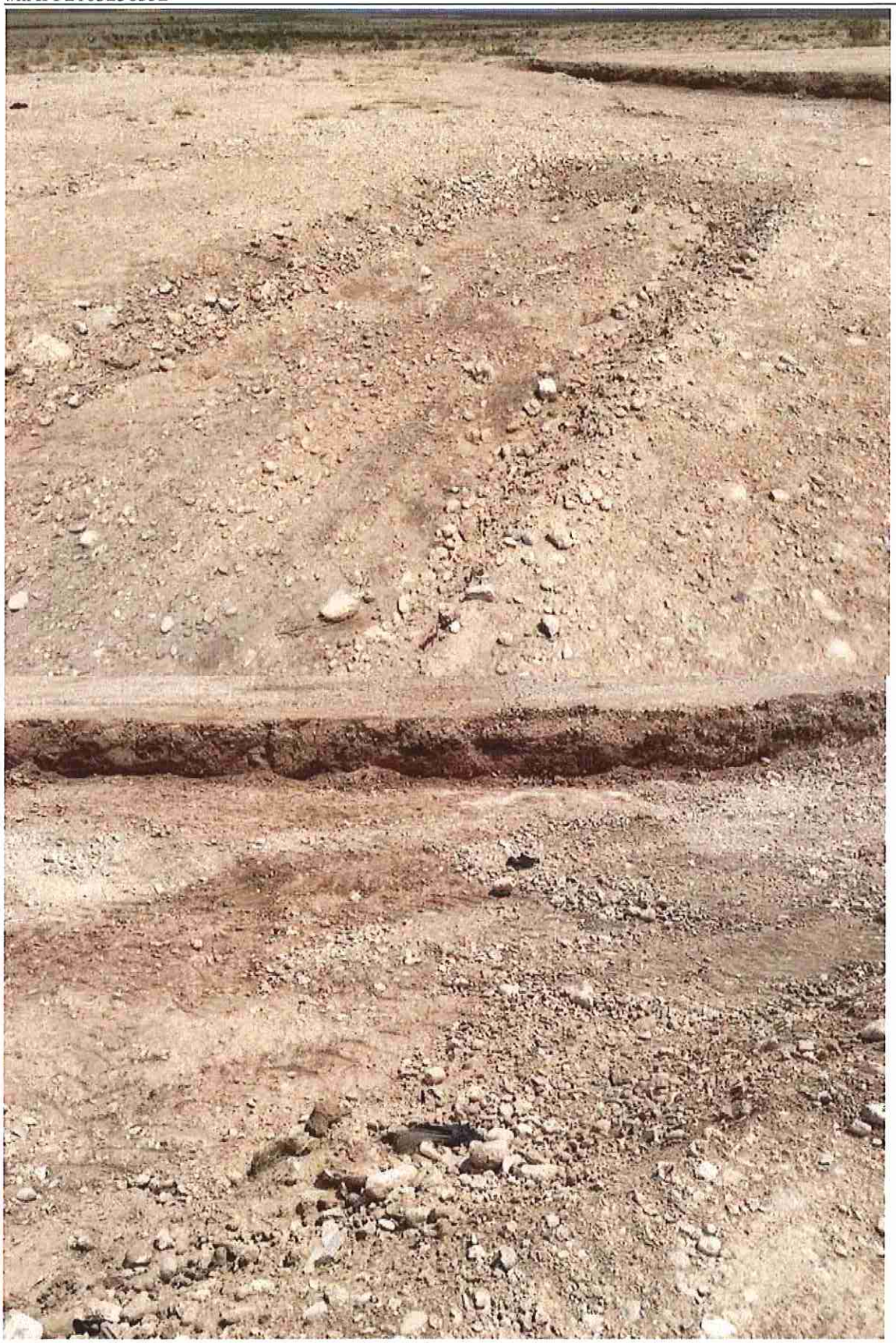

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District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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	nAPP2103256332
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party EOG Resources, Inc.	OGRID 7377
Contact Name Chase Settle	Contact Telephone 575-748-1471
Contact email Chase_Settle@eogresources.com	Incident # *(assigned by OCD)*
Contact mailing address 104 S. 4th Street, Artesia, NM 88210	

Location of Release Source

Latitude 32.55388 Longitude -104.54824
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Federal FC Com #2H	Site Type Oil Well
Date Release Discovered 01/29/2021	API# *(if applicable)* 30-015-26907

Unit Letter	Section	Township	Range	County
M	24	20S	24E	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)

☑ Crude Oil	Volume Released (bbls) 15	Volume Recovered (bbls) 8
☑ Produced Water	Volume Released (bbls) 5	Volume Recovered (bbls) 2
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☑ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

A poly to steel transition separated due to pressure, causing the release of crude oil and produced water.

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Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2103256332
District RP	
Facility ID	
Application ID	

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

Initial Response

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

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

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

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

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

Printed Name: Chase Settle
Title: Rep Safety & Environmental II

Signature: Chase Settle
Date: 02/01/2021

email: Chase_Settle@eogresources.com
Telephone: 575-748-1471

OCD Only

Received by: _____
Date: _____

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State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

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

☐ Description of remediation activities

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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: _____

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APPENDIX IV

LABORATORY DATA

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

October 06, 2021

Rebecca Pons

Talon Artesia
408 West Texas Ave
Artesia, NM 88210
TEL:
FAX

RE: Fed FC Com 2H OrderNo.: 2109F72

Dear Rebecca Pons:

Hall Environmental Analysis Laboratory received 18 sample(s) on 9/28/2021 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2109F72**
Date Reported: **10/6/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: S1A-4'
Project: Fed FC Com 2H
Collection Date: 9/24/2021 9:00:00 AM
Lab ID: 2109F72-001 **Matrix:** SOIL **Received Date:** 9/28/2021 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	ND	60		mg/Kg	20	9/30/2021 9:03:01 PM	62935
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	13	9.7		mg/Kg	1	9/30/2021 11:45:00 PM	62919
Motor Oil Range Organics (MRO)	57	48		mg/Kg	1	9/30/2021 11:45:00 PM	62919
Surr: DNOP	96.2	70-130		%Rec	1	9/30/2021 11:45:00 PM	62919
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/1/2021 11:37:24 AM	62908
Surr: BFB	109	70-130		%Rec	1	10/1/2021 11:37:24 AM	62908
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	10/1/2021 11:37:24 AM	62908
Toluene	ND	0.047		mg/Kg	1	10/1/2021 11:37:24 AM	62908
Ethylbenzene	ND	0.047		mg/Kg	1	10/1/2021 11:37:24 AM	62908
Xylenes, Total	ND	0.095		mg/Kg	1	10/1/2021 11:37:24 AM	62908
Surr: 4-Bromofluorobenzene	94.6	70-130		%Rec	1	10/1/2021 11:37:24 AM	62908

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2109F72**
Date Reported: **10/6/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: S2A-4'
Project: Fed FC Com 2H
Collection Date: 9/24/2021 9:10:00 AM
Lab ID: 2109F72-002 **Matrix:** SOIL **Received Date:** 9/28/2021 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**VP**
Chloride	320	60		mg/Kg	20	9/30/2021 9:15:26 PM	62935
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**JME**
Diesel Range Organics (DRO)	15	9.9		mg/Kg	1	9/30/2021 11:56:59 PM	62919
Motor Oil Range Organics (MRO)	56	49		mg/Kg	1	9/30/2021 11:56:59 PM	62919
Surr: DNOP	78.2	70-130		%Rec	1	9/30/2021 11:56:59 PM	62919
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/1/2021 12:00:47 PM	62908
Surr: BFB	114	70-130		%Rec	1	10/1/2021 12:00:47 PM	62908
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	0.025		mg/Kg	1	10/1/2021 12:00:47 PM	62908
Toluene	ND	0.049		mg/Kg	1	10/1/2021 12:00:47 PM	62908
Ethylbenzene	ND	0.049		mg/Kg	1	10/1/2021 12:00:47 PM	62908
Xylenes, Total	ND	0.099		mg/Kg	1	10/1/2021 12:00:47 PM	62908
Surr: 4-Bromofluorobenzene	99.8	70-130		%Rec	1	10/1/2021 12:00:47 PM	62908

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2109F72**
Date Reported: **10/6/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: S3A-4'
Project: Fed FC Com 2H
Collection Date: 9/24/2021 9:15:00 AM
Lab ID: 2109F72-003 **Matrix:** SOIL **Received Date:** 9/28/2021 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**VP**
Chloride	440	60		mg/Kg	20	9/30/2021 9:27:51 PM	62935
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**JME**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	10/1/2021 12:08:39 AM	62919
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/1/2021 12:08:39 AM	62919
Surr: DNOP	55.7	70-130	S	%Rec	1	10/1/2021 12:08:39 AM	62919
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/1/2021 12:24:17 PM	62908
Surr: BFB	118	70-130		%Rec	1	10/1/2021 12:24:17 PM	62908
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	0.024		mg/Kg	1	10/1/2021 12:24:17 PM	62908
Toluene	ND	0.048		mg/Kg	1	10/1/2021 12:24:17 PM	62908
Ethylbenzene	ND	0.048		mg/Kg	1	10/1/2021 12:24:17 PM	62908
Xylenes, Total	ND	0.096		mg/Kg	1	10/1/2021 12:24:17 PM	62908
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	10/1/2021 12:24:17 PM	62908

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2109F72**
Date Reported: **10/6/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: S4A-4'
Project: Fed FC Com 2H
Collection Date: 9/24/2021 9:20:00 AM
Lab ID: 2109F72-004 **Matrix:** SOIL **Received Date:** 9/28/2021 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**VP**
Chloride	ND	60		mg/Kg	20	9/30/2021 9:40:15 PM	62935
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**JME**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	10/1/2021 12:20:36 AM	62919
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/1/2021 12:20:36 AM	62919
Surr: DNOP	52.0	70-130	S	%Rec	1	10/1/2021 12:20:36 AM	62919
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/1/2021 12:47:57 PM	62908
Surr: BFB	112	70-130		%Rec	1	10/1/2021 12:47:57 PM	62908
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	0.024		mg/Kg	1	10/1/2021 12:47:57 PM	62908
Toluene	ND	0.047		mg/Kg	1	10/1/2021 12:47:57 PM	62908
Ethylbenzene	ND	0.047		mg/Kg	1	10/1/2021 12:47:57 PM	62908
Xylenes, Total	ND	0.094		mg/Kg	1	10/1/2021 12:47:57 PM	62908
Surr: 4-Bromofluorobenzene	98.7	70-130		%Rec	1	10/1/2021 12:47:57 PM	62908

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2109F72**
Date Reported: **10/6/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: S11A-4'
Project: Fed FC Com 2H
Collection Date: 9/24/2021 9:23:00 AM
Lab ID: 2109F72-005 **Matrix:** SOIL **Received Date:** 9/28/2021 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**VP**
Chloride	ND	60		mg/Kg	20	9/30/2021 9:52:40 PM	62935
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**JME**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/1/2021 12:32:14 AM	62919
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/1/2021 12:32:14 AM	62919
Surr: DNOP	68.6	70-130	S	%Rec	1	10/1/2021 12:32:14 AM	62919
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/1/2021 4:42:50 PM	62908
Surr: BFB	123	70-130		%Rec	1	10/1/2021 4:42:50 PM	62908
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	0.023		mg/Kg	1	10/1/2021 4:42:50 PM	62908
Toluene	ND	0.047		mg/Kg	1	10/1/2021 4:42:50 PM	62908
Ethylbenzene	ND	0.047		mg/Kg	1	10/1/2021 4:42:50 PM	62908
Xylenes, Total	ND	0.094		mg/Kg	1	10/1/2021 4:42:50 PM	62908
Surr: 4-Bromofluorobenzene	109	70-130		%Rec	1	10/1/2021 4:42:50 PM	62908

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2109F72**
Date Reported: **10/6/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: S12A-4'
Project: Fed FC Com 2H
Collection Date: 9/24/2021 9:30:00 AM
Lab ID: 2109F72-006 **Matrix:** SOIL
Received Date: 9/28/2021 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**VP**
Chloride	63	60		mg/Kg	20	9/30/2021 10:05:05 PM	62935
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**JME**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/1/2021 12:44:09 AM	62919
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/1/2021 12:44:09 AM	62919
Surr: DNOP	81.8	70-130		%Rec	1	10/1/2021 12:44:09 AM	62919
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/1/2021 5:06:14 PM	62908
Surr: BFB	127	70-130		%Rec	1	10/1/2021 5:06:14 PM	62908
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	0.025		mg/Kg	1	10/1/2021 5:06:14 PM	62908
Toluene	ND	0.049		mg/Kg	1	10/1/2021 5:06:14 PM	62908
Ethylbenzene	ND	0.049		mg/Kg	1	10/1/2021 5:06:14 PM	62908
Xylenes, Total	ND	0.099		mg/Kg	1	10/1/2021 5:06:14 PM	62908
Surr: 4-Bromofluorobenzene	112	70-130		%Rec	1	10/1/2021 5:06:14 PM	62908

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2109F72**
Date Reported: **10/6/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: S16A-4'
Project: Fed FC Com 2H
Collection Date: 9/24/2021 9:35:00 AM
Lab ID: 2109F72-007 **Matrix:** SOIL **Received Date:** 9/28/2021 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**VP**
Chloride	82	60		mg/Kg	20	9/30/2021 10:42:20 PM	62935
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**JME**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/1/2021 12:55:52 AM	62919
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/1/2021 12:55:52 AM	62919
Surr: DNOP	64.4	70-130	S	%Rec	1	10/1/2021 12:55:52 AM	62919
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/1/2021 5:29:39 PM	62908
Surr: BFB	130	70-130		%Rec	1	10/1/2021 5:29:39 PM	62908
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	0.024		mg/Kg	1	10/1/2021 5:29:39 PM	62908
Toluene	ND	0.047		mg/Kg	1	10/1/2021 5:29:39 PM	62908
Ethylbenzene	ND	0.047		mg/Kg	1	10/1/2021 5:29:39 PM	62908
Xylenes, Total	ND	0.094		mg/Kg	1	10/1/2021 5:29:39 PM	62908
Surr: 4-Bromofluorobenzene	115	70-130		%Rec	1	10/1/2021 5:29:39 PM	62908

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2109F72**
Date Reported: **10/6/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: S20A-4'
Project: Fed FC Com 2H
Collection Date: 9/24/2021 9:37:00 AM
Lab ID: 2109F72-008 **Matrix:** SOIL **Received Date:** 9/28/2021 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	82	60		mg/Kg	20	9/30/2021 10:54:45 PM	62935
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/1/2021 1:07:27 AM	62919
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/1/2021 1:07:27 AM	62919
Surr: DNOP	71.1	70-130		%Rec	1	10/1/2021 1:07:27 AM	62919
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/1/2021 5:53:16 PM	62908
Surr: BFB	124	70-130		%Rec	1	10/1/2021 5:53:16 PM	62908
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	10/1/2021 5:53:16 PM	62908
Toluene	ND	0.047		mg/Kg	1	10/1/2021 5:53:16 PM	62908
Ethylbenzene	ND	0.047		mg/Kg	1	10/1/2021 5:53:16 PM	62908
Xylenes, Total	ND	0.095		mg/Kg	1	10/1/2021 5:53:16 PM	62908
Surr: 4-Bromofluorobenzene	110	70-130		%Rec	1	10/1/2021 5:53:16 PM	62908

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2109F72**
Date Reported: **10/6/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: S22A-4'
Project: Fed FC Com 2H
Collection Date: 9/24/2021 9:40:00 AM
Lab ID: 2109F72-009 **Matrix:** SOIL **Received Date:** 9/28/2021 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**VP**
Chloride	180	59		mg/Kg	20	9/30/2021 11:07:10 PM	62935
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**JME**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	10/1/2021 1:19:03 AM	62919
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/1/2021 1:19:03 AM	62919
Surr: DNOP	100	70-130		%Rec	1	10/1/2021 1:19:03 AM	62919
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/1/2021 6:16:46 PM	62908
Surr: BFB	130	70-130	S	%Rec	1	10/1/2021 6:16:46 PM	62908
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	0.024		mg/Kg	1	10/1/2021 6:16:46 PM	62908
Toluene	ND	0.048		mg/Kg	1	10/1/2021 6:16:46 PM	62908
Ethylbenzene	ND	0.048		mg/Kg	1	10/1/2021 6:16:46 PM	62908
Xylenes, Total	ND	0.097		mg/Kg	1	10/1/2021 6:16:46 PM	62908
Surr: 4-Bromofluorobenzene	116	70-130		%Rec	1	10/1/2021 6:16:46 PM	62908

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2109F72**
Date Reported: **10/6/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: S24A-4'
Project: Fed FC Com 2H
Collection Date: 9/24/2021 9:45:00 AM
Lab ID: 2109F72-010 **Matrix:** SOIL
Received Date: 9/28/2021 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	ND	60		mg/Kg	20	9/30/2021 11:19:35 PM	62935
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/1/2021 1:30:36 AM	62919
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/1/2021 1:30:36 AM	62919
Surr: DNOP	66.5	70-130	S	%Rec	1	10/1/2021 1:30:36 AM	62919
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/1/2021 6:40:21 PM	62908
Surr: BFB	131	70-130	S	%Rec	1	10/1/2021 6:40:21 PM	62908
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	10/1/2021 6:40:21 PM	62908
Toluene	ND	0.050		mg/Kg	1	10/1/2021 6:40:21 PM	62908
Ethylbenzene	ND	0.050		mg/Kg	1	10/1/2021 6:40:21 PM	62908
Xylenes, Total	ND	0.10		mg/Kg	1	10/1/2021 6:40:21 PM	62908
Surr: 4-Bromofluorobenzene	117	70-130		%Rec	1	10/1/2021 6:40:21 PM	62908

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2109F72**
Date Reported: **10/6/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: S25A-4'
Project: Fed FC Com 2H
Collection Date: 9/24/2021 9:47:00 AM
Lab ID: 2109F72-011 **Matrix:** SOIL
Received Date: 9/28/2021 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	190	60		mg/Kg	20	9/30/2021 11:56:48 PM	62945
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/1/2021 1:42:08 AM	62919
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/1/2021 1:42:08 AM	62919
Surr: DNOP	53.4	70-130	S	%Rec	1	10/1/2021 1:42:08 AM	62919
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/1/2021 7:03:52 PM	62908
Surr: BFB	139	70-130	S	%Rec	1	10/1/2021 7:03:52 PM	62908
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	10/1/2021 7:03:52 PM	62908
Toluene	ND	0.047		mg/Kg	1	10/1/2021 7:03:52 PM	62908
Ethylbenzene	ND	0.047		mg/Kg	1	10/1/2021 7:03:52 PM	62908
Xylenes, Total	ND	0.095		mg/Kg	1	10/1/2021 7:03:52 PM	62908
Surr: 4-Bromofluorobenzene	124	70-130		%Rec	1	10/1/2021 7:03:52 PM	62908

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2109F72**
Date Reported: **10/6/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: S26A-4'
Project: Fed FC Com 2H
Collection Date: 9/24/2021 9:50:00 AM
Lab ID: 2109F72-012 **Matrix:** SOIL **Received Date:** 9/28/2021 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**VP**
Chloride	ND	60		mg/Kg	20	10/1/2021 12:09:12 AM	62945
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**JME**
Diesel Range Organics (DRO)	19	9.8		mg/Kg	1	10/1/2021 11:46:12 AM	62919
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/1/2021 11:46:12 AM	62919
Surr: DNOP	65.8	70-130	S	%Rec	1	10/1/2021 11:46:12 AM	62919
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/1/2021 7:27:17 PM	62908
Surr: BFB	140	70-130	S	%Rec	1	10/1/2021 7:27:17 PM	62908
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	0.024		mg/Kg	1	10/1/2021 7:27:17 PM	62908
Toluene	0.053	0.048		mg/Kg	1	10/1/2021 7:27:17 PM	62908
Ethylbenzene	0.13	0.048		mg/Kg	1	10/1/2021 7:27:17 PM	62908
Xylenes, Total	0.17	0.097		mg/Kg	1	10/1/2021 7:27:17 PM	62908
Surr: 4-Bromofluorobenzene	123	70-130		%Rec	1	10/1/2021 7:27:17 PM	62908

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2109F72**
Date Reported: **10/6/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: WSW1-4'
Project: Fed FC Com 2H
Collection Date: 9/24/2021 9:55:00 AM
Lab ID: 2109F72-013 **Matrix:** SOIL
Received Date: 9/28/2021 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**VP**
Chloride	980	60		mg/Kg	20	10/1/2021 12:21:38 AM	62945
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**JME**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	10/1/2021 2:05:10 AM	62919
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/1/2021 2:05:10 AM	62919
Surr: DNOP	70.5	70-130		%Rec	1	10/1/2021 2:05:10 AM	62919
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/1/2021 7:50:44 PM	62908
Surr: BFB	139	70-130	S	%Rec	1	10/1/2021 7:50:44 PM	62908
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	0.025		mg/Kg	1	10/1/2021 7:50:44 PM	62908
Toluene	ND	0.050		mg/Kg	1	10/1/2021 7:50:44 PM	62908
Ethylbenzene	ND	0.050		mg/Kg	1	10/1/2021 7:50:44 PM	62908
Xylenes, Total	ND	0.099		mg/Kg	1	10/1/2021 7:50:44 PM	62908
Surr: 4-Bromofluorobenzene	123	70-130		%Rec	1	10/1/2021 7:50:44 PM	62908

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2109F72**
Date Reported: **10/6/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: NSW-4'
Project: Fed FC Com 2H
Collection Date: 9/24/2021 10:00:00 AM
Lab ID: 2109F72-014 **Matrix:** SOIL **Received Date:** 9/28/2021 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**VP**
Chloride	440	60		mg/Kg	20	10/1/2021 12:34:03 AM	62945
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**JME**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	10/1/2021 2:16:42 AM	62919
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/1/2021 2:16:42 AM	62919
Surr: DNOP	74.1	70-130		%Rec	1	10/1/2021 2:16:42 AM	62919
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/1/2021 8:14:21 PM	62908
Surr: BFB	141	70-130	S	%Rec	1	10/1/2021 8:14:21 PM	62908
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	0.024		mg/Kg	1	10/1/2021 8:14:21 PM	62908
Toluene	ND	0.047		mg/Kg	1	10/1/2021 8:14:21 PM	62908
Ethylbenzene	ND	0.047		mg/Kg	1	10/1/2021 8:14:21 PM	62908
Xylenes, Total	ND	0.095		mg/Kg	1	10/1/2021 8:14:21 PM	62908
Surr: 4-Bromofluorobenzene	125	70-130		%Rec	1	10/1/2021 8:14:21 PM	62908

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2109F72**
Date Reported: **10/6/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: SSW-4'
Project: Fed FC Com 2H
Collection Date: 9/24/2021 9:03:00 AM
Lab ID: 2109F72-015 **Matrix:** SOIL **Received Date:** 9/28/2021 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**VP**
Chloride	ND	60		mg/Kg	20	10/1/2021 1:11:16 AM	62945
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**JME**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	10/1/2021 2:28:14 AM	62919
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/1/2021 2:28:14 AM	62919
Surr: DNOP	76.7	70-130		%Rec	1	10/1/2021 2:28:14 AM	62919
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/1/2021 9:24:50 PM	62908
Surr: BFB	149	70-130	S	%Rec	1	10/1/2021 9:24:50 PM	62908
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	0.024		mg/Kg	1	10/1/2021 9:24:50 PM	62908
Toluene	ND	0.047		mg/Kg	1	10/1/2021 9:24:50 PM	62908
Ethylbenzene	ND	0.047		mg/Kg	1	10/1/2021 9:24:50 PM	62908
Xylenes, Total	ND	0.094		mg/Kg	1	10/1/2021 9:24:50 PM	62908
Surr: 4-Bromofluorobenzene	133	70-130	S	%Rec	1	10/1/2021 9:24:50 PM	62908

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2109F72**
Date Reported: **10/6/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Project: Fed FC Com 2H
Lab ID: 2109F72-016 **Matrix:** SOIL

Client Sample ID: SESW1-4'
Collection Date: 9/24/2021 10:01:00 AM
Received Date: 9/28/2021 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**VP**
Chloride	ND	60		mg/Kg	20	10/1/2021 1:23:41 AM	62945
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**JME**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	10/1/2021 2:39:41 AM	62919
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/1/2021 2:39:41 AM	62919
Surr: DNOP	91.9	70-130		%Rec	1	10/1/2021 2:39:41 AM	62919
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/1/2021 9:48:28 PM	62908
Surr: BFB	155	70-130	S	%Rec	1	10/1/2021 9:48:28 PM	62908
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	0.024		mg/Kg	1	10/1/2021 9:48:28 PM	62908
Toluene	ND	0.049		mg/Kg	1	10/1/2021 9:48:28 PM	62908
Ethylbenzene	ND	0.049		mg/Kg	1	10/1/2021 9:48:28 PM	62908
Xylenes, Total	ND	0.098		mg/Kg	1	10/1/2021 9:48:28 PM	62908
Surr: 4-Bromofluorobenzene	139	70-130	S	%Rec	1	10/1/2021 9:48:28 PM	62908

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2109F72**
Date Reported: **10/6/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: WSW2-4'
Project: Fed FC Com 2H
Collection Date: 9/24/2021 10:05:00 AM
Lab ID: 2109F72-017 **Matrix:** SOIL
Received Date: 9/28/2021 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**VP**
Chloride	660	60		mg/Kg	20	10/1/2021 1:36:05 AM	62945
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**JME**
Diesel Range Organics (DRO)	15	9.6		mg/Kg	1	10/1/2021 2:51:10 AM	62919
Motor Oil Range Organics (MRO)	48	48		mg/Kg	1	10/1/2021 2:51:10 AM	62919
Surr: DNOP	74.0	70-130		%Rec	1	10/1/2021 2:51:10 AM	62919
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/1/2021 10:11:52 PM	62908
Surr: BFB	155	70-130	S	%Rec	1	10/1/2021 10:11:52 PM	62908
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	0.025		mg/Kg	1	10/1/2021 10:11:52 PM	62908
Toluene	ND	0.050		mg/Kg	1	10/1/2021 10:11:52 PM	62908
Ethylbenzene	ND	0.050		mg/Kg	1	10/1/2021 10:11:52 PM	62908
Xylenes, Total	ND	0.099		mg/Kg	1	10/1/2021 10:11:52 PM	62908
Surr: 4-Bromofluorobenzene	138	70-130	S	%Rec	1	10/1/2021 10:11:52 PM	62908

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2109F72**
Date Reported: **10/6/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: SESW2-4'
Project: Fed FC Com 2H
Collection Date: 9/24/2021 10:15:00 AM
Lab ID: 2109F72-018 **Matrix:** SOIL
Received Date: 9/28/2021 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**VP**
Chloride	ND	59		mg/Kg	20	10/1/2021 1:48:30 AM	62945
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**JME**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	10/1/2021 3:02:41 AM	62919
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/1/2021 3:02:41 AM	62919
Surr: DNOP	92.6	70-130		%Rec	1	10/1/2021 3:02:41 AM	62919
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/1/2021 10:35:26 PM	62908
Surr: BFB	159	70-130	S	%Rec	1	10/1/2021 10:35:26 PM	62908
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	0.023		mg/Kg	1	10/1/2021 10:35:26 PM	62908
Toluene	ND	0.047		mg/Kg	1	10/1/2021 10:35:26 PM	62908
Ethylbenzene	ND	0.047		mg/Kg	1	10/1/2021 10:35:26 PM	62908
Xylenes, Total	ND	0.093		mg/Kg	1	10/1/2021 10:35:26 PM	62908
Surr: 4-Bromofluorobenzene	142	70-130	S	%Rec	1	10/1/2021 10:35:26 PM	62908

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2109F72**

06-Oct-21

Client: Talon Artesia

Project: Fed FC Com 2H

Sample ID: **MB-62935**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **62935**	RunNo: **81698**							
Prep Date: **9/30/2021**	Analysis Date: **9/30/2021**	SeqNo: **2888516**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-62935**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **62935**	RunNo: **81698**							
Prep Date: **9/30/2021**	Analysis Date: **9/30/2021**	SeqNo: **2888517**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.2	90	110			

Sample ID: **MB-62945**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **62945**	RunNo: **81698**							
Prep Date: **9/30/2021**	Analysis Date: **9/30/2021**	SeqNo: **2888548**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-62945**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **62945**	RunNo: **81698**							
Prep Date: **9/30/2021**	Analysis Date: **9/30/2021**	SeqNo: **2888549**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.8	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2109F72**

06-Oct-21

Client: Talon Artesia

Project: Fed FC Com 2H

Sample ID: **MB-62919**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **62919**	RunNo: **81694**
Prep Date: **9/29/2021**	Analysis Date: **9/30/2021**	SeqNo: **2888406** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		107	70	130			

Sample ID: **LCS-62919**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **62919**	RunNo: **81694**
Prep Date: **9/29/2021**	Analysis Date: **9/30/2021**	SeqNo: **2888408** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	93.4	68.9	135			
Surr: DNOP	4.8		5.000		96.6	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2109F72**

06-Oct-21

Client: Talon Artesia

Project: Fed FC Com 2H

Sample ID: **2109f72-001ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **S1A-4'**	Batch ID: **62908**	RunNo: **81717**
Prep Date: **9/29/2021**	Analysis Date: **10/1/2021**	SeqNo: **2889674** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	4.9	24.34	0	109	61.3	114			
Surr: BFB	1200		973.7		124	70	130			

Sample ID: **2109f72-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **S1A-4'**	Batch ID: **62908**	RunNo: **81717**
Prep Date: **9/29/2021**	Analysis Date: **10/1/2021**	SeqNo: **2889675** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	4.8	24.15	0	110	61.3	114	0.244	20	
Surr: BFB	1200		966.2		121	70	130	0	0	

Sample ID: **lcs-62908**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **62908**	RunNo: **81717**
Prep Date: **9/29/2021**	Analysis Date: **10/1/2021**	SeqNo: **2889714** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	107	78.6	131			
Surr: BFB	1200		1000		123	70	130			

Sample ID: **mb-62908**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **62908**	RunNo: **81717**
Prep Date: **9/29/2021**	Analysis Date: **10/1/2021**	SeqNo: **2889716** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1200		1000		120	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2109F72**

06-Oct-21

Client: Talon Artesia

Project: Fed FC Com 2H

Sample ID: **2109f72-002ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **S2A-4'**	Batch ID: **62908**	RunNo: **81717**
Prep Date: **9/29/2021**	Analysis Date: **10/1/2021**	SeqNo: **2889728** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.024	0.9470	0	91.7	80	120			
Toluene	0.88	0.047	0.9470	0	92.9	80	120			
Ethylbenzene	0.88	0.047	0.9470	0	92.7	80	120			
Xylenes, Total	2.6	0.095	2.841	0	90.6	80	120			
Surr: 4-Bromofluorobenzene	0.94		0.9470		99.5	70	130			

Sample ID: **2109f72-002amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **S2A-4'**	Batch ID: **62908**	RunNo: **81717**
Prep Date: **9/29/2021**	Analysis Date: **10/1/2021**	SeqNo: **2889729** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	0.9862	0	91.5	80	120	3.81	20	
Toluene	0.91	0.049	0.9862	0	92.4	80	120	3.43	20	
Ethylbenzene	0.91	0.049	0.9862	0	91.8	80	120	3.08	20	
Xylenes, Total	2.7	0.099	2.959	0	90.7	80	120	4.21	20	
Surr: 4-Bromofluorobenzene	0.98		0.9862		98.9	70	130	0	0	

Sample ID: **LCS-62908**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **62908**	RunNo: **81717**
Prep Date: **9/29/2021**	Analysis Date: **10/1/2021**	SeqNo: **2889767** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.99	0.025	1.000	0	98.6	80	120			
Toluene	0.99	0.050	1.000	0	99.0	80	120			
Ethylbenzene	0.99	0.050	1.000	0	98.6	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.4	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		106	70	130			

Sample ID: **mb-62908**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **62908**	RunNo: **81717**
Prep Date: **9/29/2021**	Analysis Date: **10/1/2021**	SeqNo: **2889769** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		105	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

Sample Log-In Check List

Client Name: Talon Artesia | Work Order Number: 2109F72 | RcptNo: 1

Received By: Cheyenne Cason 9/28/2021 9:10:00 AM

Completed By: Sean Livingston 9/28/2021 9:26:16 AM

Reviewed By: TMC 9/28/21

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: KPG 9/28/21

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.4	Good				
2	0.6	Good				

Released to Imaging: 11/29/2021 2:56:09 PM
Received by OCD: 10/25/2021 9:07:56 PM

Chain-of-Custody Record

Client: Talon LPE

408 W Texas St

Mailing Address: Artesia, NM 88210

Phone #: 575-441-0980

email or Fax#: (575) 746-8905

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other_____
☐ EDD (Type) _____

Turn-Around Time: 4 Days
☐ Standard ☒ Rush 10/01/2021

Project Name: Fed FC Com #2H

Project #: 700438.247.01

Project Manager: Rebecca Pons

Sampler: C Jaramillo
On Ice: ☒ Yes ☐ No
# of Coolers: 2 1.4 - 0 = 1.4
Cooler Temp(including CF): 0.6 - 0 = 0.6

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2109F72	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
9/24/21	9:00		S1A - 4'	Jar	Ice	001	x	x					x			
	9:10		S2A - 4'			002										
	9:15		S3A - 4'			003										
	9:20		S4A - 4'			004										
	9:23		S11A - 4'			005										
	9:30		S12A - 4'			006										
	9:35		S16A - 4'			007										
	9:37		S20A- 4'			008										
	9:40		S22A - 4'			009										
	9:45		S24A - 4'			010										
	9:47		S25A - 4'			011										
	9:50		S26A - 4'			012										

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
9/27	11:22	Rebecca Pons			9/27/21	1122
9/27/21	1900					

Remarks: Please cc the following via email:
Rpons@talonlpe.com
Dadkins@talonlpe.com
***Bill to EOG Direct ATTN Chase Settle**

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Released to Imaging: 11/29/2021 2:56:09 PM
Received by OCD: 10/25/2021 9:07:56 PM

Chain-of-Custody Record

Client: Talon LPE

408 W Texas St

Mailing Address: Artesia, NM 88210

Phone #: 575-441-0980

email or Fax#: (575) 746-8905

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other_____
☐ EDD (Type) _____

Turn-Around Time: 4 Days
☐ Standard ☒ Rush 10/01/2021

Project Name: Fed FC Com #2H

Project #: 700438.247.01

Project Manager: Rebecca Pons

Sampler: C Jaramillo
On Ice: ☒ Yes ☐ No
# of Coolers: 2 1.4-0=1.4
Cooler Temp(including CF): 0.6-0=0.6

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
9/24/21	9:55		WSW1 - 4'	Jar	Ice	013	x	x					x			
	9:40		NSW - 4'			014										
	9:03		SSW - 4			015										
	10:01		SESW1 - 4'			016										
			~~WSW1 - 4'~~ QP													
	10:05		WSW2 - 4'			017										
	10:15		SESW2 - 4'			018										

Analysis Request

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
9/27	1122				9/27/21	1122
9/27/21	1900			Courier	9/28/21	0910

Remarks: Please cc the following via email:

Bill EDD Direct

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

August 31, 2021

Rebecca Pons
Talon Artesia
408 West Texas Ave
Artesia, NM 88210
TEL:
FAX:

RE: Federal FC Com 2H Fed FC OrderNo.: 2108B93

Dear Rebecca Pons:

Hall Environmental Analysis Laboratory received 19 sample(s) on 8/21/2021 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2108B93**
Date Reported: **8/31/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: TT-1 3'
Project: Federal FC Com 2H Fed FC
Collection Date: 8/16/2021 11:00:00 AM
Lab ID: 2108B93-001 **Matrix:** SOIL
Received Date: 8/21/2021 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**VP**
Chloride	ND	60		mg/Kg	20	8/24/2021 2:01:17 AM	62139
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	8/24/2021 6:13:03 PM	62135
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/24/2021 6:13:03 PM	62135
Surr: DNOP	123	70-130		%Rec	1	8/24/2021 6:13:03 PM	62135
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	8/24/2021 2:11:16 PM	62122
Surr: BFB	104	70-130		%Rec	1	8/24/2021 2:11:16 PM	62122
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	0.023		mg/Kg	1	8/24/2021 2:11:16 PM	62122
Toluene	ND	0.046		mg/Kg	1	8/24/2021 2:11:16 PM	62122
Ethylbenzene	ND	0.046		mg/Kg	1	8/24/2021 2:11:16 PM	62122
Xylenes, Total	ND	0.093		mg/Kg	1	8/24/2021 2:11:16 PM	62122
Surr: 4-Bromofluorobenzene	98.3	70-130		%Rec	1	8/24/2021 2:11:16 PM	62122

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2108B93**
Date Reported: **8/31/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: TT-1 4'
Project: Federal FC Com 2H Fed FC
Collection Date: 8/16/2021 11:05:00 AM
Lab ID: 2108B93-002 **Matrix:** SOIL
Received Date: 8/21/2021 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**VP**
Chloride	ND	60		mg/Kg	20	8/24/2021 2:38:29 AM	62139
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	8/24/2021 6:23:01 PM	62135
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/24/2021 6:23:01 PM	62135
Surr: DNOP	114	70-130		%Rec	1	8/24/2021 6:23:01 PM	62135
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/24/2021 2:35:04 PM	62122
Surr: BFB	108	70-130		%Rec	1	8/24/2021 2:35:04 PM	62122
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	0.025		mg/Kg	1	8/24/2021 2:35:04 PM	62122
Toluene	ND	0.049		mg/Kg	1	8/24/2021 2:35:04 PM	62122
Ethylbenzene	ND	0.049		mg/Kg	1	8/24/2021 2:35:04 PM	62122
Xylenes, Total	ND	0.099		mg/Kg	1	8/24/2021 2:35:04 PM	62122
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	8/24/2021 2:35:04 PM	62122

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2108B93**
Date Reported: **8/31/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: TT-1 5'
Project: Federal FC Com 2H Fed FC
Collection Date: 8/16/2021 11:10:00 AM
Lab ID: 2108B93-003 **Matrix:** SOIL
Received Date: 8/21/2021 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**VP**
Chloride	150	60		mg/Kg	20	8/24/2021 2:50:54 AM	62139
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	8/24/2021 6:32:57 PM	62135
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/24/2021 6:32:57 PM	62135
Surr: DNOP	115	70-130		%Rec	1	8/24/2021 6:32:57 PM	62135
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	8/24/2021 2:58:51 PM	62122
Surr: BFB	106	70-130		%Rec	1	8/24/2021 2:58:51 PM	62122
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	0.023		mg/Kg	1	8/24/2021 2:58:51 PM	62122
Toluene	ND	0.046		mg/Kg	1	8/24/2021 2:58:51 PM	62122
Ethylbenzene	ND	0.046		mg/Kg	1	8/24/2021 2:58:51 PM	62122
Xylenes, Total	ND	0.091		mg/Kg	1	8/24/2021 2:58:51 PM	62122
Surr: 4-Bromofluorobenzene	98.3	70-130		%Rec	1	8/24/2021 2:58:51 PM	62122

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2108B93**
Date Reported: **8/31/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: TT-2 2'
Project: Federal FC Com 2H Fed FC
Collection Date: 8/16/2021 11:33:00 AM
Lab ID: 2108B93-004 **Matrix:** SOIL
Received Date: 8/21/2021 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**VP**
Chloride	ND	59		mg/Kg	20	8/24/2021 3:28:08 AM	62139
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/24/2021 6:42:53 PM	62135
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/24/2021 6:42:53 PM	62135
Surr: DNOP	152	70-130	S	%Rec	1	8/24/2021 6:42:53 PM	62135
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/24/2021 4:34:42 PM	62122
Surr: BFB	110	70-130		%Rec	1	8/24/2021 4:34:42 PM	62122
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	0.024		mg/Kg	1	8/24/2021 4:34:42 PM	62122
Toluene	ND	0.048		mg/Kg	1	8/24/2021 4:34:42 PM	62122
Ethylbenzene	ND	0.048		mg/Kg	1	8/24/2021 4:34:42 PM	62122
Xylenes, Total	ND	0.095		mg/Kg	1	8/24/2021 4:34:42 PM	62122
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	8/24/2021 4:34:42 PM	62122

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2108B93**
Date Reported: **8/31/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: TT-2 3'
Project: Federal FC Com 2H Fed FC
Collection Date: 8/16/2021 11:36:00 AM
Lab ID: 2108B93-005 **Matrix:** SOIL
Received Date: 8/21/2021 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**VP**
Chloride	110	60		mg/Kg	20	8/24/2021 3:40:32 AM	62139
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	8/24/2021 6:52:46 PM	62135
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/24/2021 6:52:46 PM	62135
Surr: DNOP	113	70-130		%Rec	1	8/24/2021 6:52:46 PM	62135
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/24/2021 4:58:35 PM	62122
Surr: BFB	109	70-130		%Rec	1	8/24/2021 4:58:35 PM	62122
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	0.023		mg/Kg	1	8/24/2021 4:58:35 PM	62122
Toluene	ND	0.047		mg/Kg	1	8/24/2021 4:58:35 PM	62122
Ethylbenzene	ND	0.047		mg/Kg	1	8/24/2021 4:58:35 PM	62122
Xylenes, Total	ND	0.094		mg/Kg	1	8/24/2021 4:58:35 PM	62122
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	8/24/2021 4:58:35 PM	62122

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2108B93**
Date Reported: **8/31/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: TT-2 4'
Project: Federal FC Com 2H Fed FC
Collection Date: 8/16/2021 11:39:00 AM
Lab ID: 2108B93-006 **Matrix:** SOIL
Received Date: 8/21/2021 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**VP**
Chloride	90	60		mg/Kg	20	8/24/2021 3:52:56 AM	62139
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	8/24/2021 7:02:38 PM	62135
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/24/2021 7:02:38 PM	62135
Surr: DNOP	109	70-130		%Rec	1	8/24/2021 7:02:38 PM	62135
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	8/24/2021 5:22:30 PM	62122
Surr: BFB	114	70-130		%Rec	1	8/24/2021 5:22:30 PM	62122
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	0.023		mg/Kg	1	8/24/2021 5:22:30 PM	62122
Toluene	ND	0.046		mg/Kg	1	8/24/2021 5:22:30 PM	62122
Ethylbenzene	ND	0.046		mg/Kg	1	8/24/2021 5:22:30 PM	62122
Xylenes, Total	ND	0.092		mg/Kg	1	8/24/2021 5:22:30 PM	62122
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	8/24/2021 5:22:30 PM	62122

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2108B93**
Date Reported: **8/31/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: TT-3 2'
Project: Federal FC Com 2H Fed FC
Collection Date: 8/17/2021 10:30:00 AM
Lab ID: 2108B93-007 **Matrix:** SOIL
Received Date: 8/21/2021 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**VP**
Chloride	280	60		mg/Kg	20	8/24/2021 4:05:21 AM	62139
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	8/24/2021 7:12:32 PM	62135
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/24/2021 7:12:32 PM	62135
Surr: DNOP	122	70-130		%Rec	1	8/24/2021 7:12:32 PM	62135
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/24/2021 5:46:27 PM	62122
Surr: BFB	109	70-130		%Rec	1	8/24/2021 5:46:27 PM	62122
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	0.024		mg/Kg	1	8/24/2021 5:46:27 PM	62122
Toluene	ND	0.049		mg/Kg	1	8/24/2021 5:46:27 PM	62122
Ethylbenzene	ND	0.049		mg/Kg	1	8/24/2021 5:46:27 PM	62122
Xylenes, Total	ND	0.097		mg/Kg	1	8/24/2021 5:46:27 PM	62122
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	8/24/2021 5:46:27 PM	62122

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2108B93**
Date Reported: **8/31/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: TT-3 3'
Project: Federal FC Com 2H Fed FC
Collection Date: 8/17/2021 10:33:00 AM
Lab ID: 2108B93-008 **Matrix:** SOIL
Received Date: 8/21/2021 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**VP**
Chloride	68	60		mg/Kg	20	8/24/2021 4:17:45 AM	62139
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	8/24/2021 7:22:22 PM	62135
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	8/24/2021 7:22:22 PM	62135
Surr: DNOP	128	70-130		%Rec	1	8/24/2021 7:22:22 PM	62135
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/24/2021 6:10:27 PM	62122
Surr: BFB	109	70-130		%Rec	1	8/24/2021 6:10:27 PM	62122
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	0.025		mg/Kg	1	8/24/2021 6:10:27 PM	62122
Toluene	ND	0.049		mg/Kg	1	8/24/2021 6:10:27 PM	62122
Ethylbenzene	ND	0.049		mg/Kg	1	8/24/2021 6:10:27 PM	62122
Xylenes, Total	ND	0.098		mg/Kg	1	8/24/2021 6:10:27 PM	62122
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	8/24/2021 6:10:27 PM	62122

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2108B93**
Date Reported: **8/31/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: TT-3 4'
Project: Federal FC Com 2H Fed FC
Collection Date: 8/17/2021 10:36:00 AM
Lab ID: 2108B93-009 **Matrix:** SOIL
Received Date: 8/21/2021 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**VP**
Chloride	210	60		mg/Kg	20	8/24/2021 4:30:09 AM	62139
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	8/24/2021 7:32:13 PM	62135
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/24/2021 7:32:13 PM	62135
Surr: DNOP	121	70-130		%Rec	1	8/24/2021 7:32:13 PM	62135
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/24/2021 6:34:24 PM	62122
Surr: BFB	109	70-130		%Rec	1	8/24/2021 6:34:24 PM	62122
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	0.024		mg/Kg	1	8/24/2021 6:34:24 PM	62122
Toluene	ND	0.047		mg/Kg	1	8/24/2021 6:34:24 PM	62122
Ethylbenzene	ND	0.047		mg/Kg	1	8/24/2021 6:34:24 PM	62122
Xylenes, Total	ND	0.095		mg/Kg	1	8/24/2021 6:34:24 PM	62122
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	8/24/2021 6:34:24 PM	62122

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2108B93**
Date Reported: **8/31/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: TT-4 2'
Project: Federal FC Com 2H Fed FC
Collection Date: 8/17/2021 11:00:00 AM
Lab ID: 2108B93-010 **Matrix:** SOIL
Received Date: 8/21/2021 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**VP**
Chloride	110	60		mg/Kg	20	8/24/2021 4:42:33 AM	62139
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	8/24/2021 7:42:03 PM	62135
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/24/2021 7:42:03 PM	62135
Surr: DNOP	120	70-130		%Rec	1	8/24/2021 7:42:03 PM	62135
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/24/2021 6:58:13 PM	62122
Surr: BFB	109	70-130		%Rec	1	8/24/2021 6:58:13 PM	62122
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	0.024		mg/Kg	1	8/24/2021 6:58:13 PM	62122
Toluene	ND	0.047		mg/Kg	1	8/24/2021 6:58:13 PM	62122
Ethylbenzene	ND	0.047		mg/Kg	1	8/24/2021 6:58:13 PM	62122
Xylenes, Total	ND	0.095		mg/Kg	1	8/24/2021 6:58:13 PM	62122
Surr: 4-Bromofluorobenzene	99.7	70-130		%Rec	1	8/24/2021 6:58:13 PM	62122

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2108B93**
Date Reported: **8/31/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: TT-4 3'
Project: Federal FC Com 2H Fed FC
Collection Date: 8/17/2021 11:03:00 AM
Lab ID: 2108B93-011 **Matrix:** SOIL
Received Date: 8/21/2021 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**VP**
Chloride	110	60		mg/Kg	20	8/24/2021 10:09:42 AM	62145
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	8/24/2021 7:51:53 PM	62135
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/24/2021 7:51:53 PM	62135
Surr: DNOP	121	70-130		%Rec	1	8/24/2021 7:51:53 PM	62135
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/24/2021 7:22:02 PM	62122
Surr: BFB	109	70-130		%Rec	1	8/24/2021 7:22:02 PM	62122
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	0.024		mg/Kg	1	8/24/2021 7:22:02 PM	62122
Toluene	ND	0.048		mg/Kg	1	8/24/2021 7:22:02 PM	62122
Ethylbenzene	ND	0.048		mg/Kg	1	8/24/2021 7:22:02 PM	62122
Xylenes, Total	ND	0.096		mg/Kg	1	8/24/2021 7:22:02 PM	62122
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	8/24/2021 7:22:02 PM	62122

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2108B93**
Date Reported: **8/31/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: TT-4 4'
Project: Federal FC Com 2H Fed FC
Collection Date: 8/17/2021 11:06:00 AM
Lab ID: 2108B93-012 **Matrix:** SOIL
Received Date: 8/21/2021 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	62	60		mg/Kg	20	8/24/2021 10:46:46 AM	62145
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	8/24/2021 8:01:40 PM	62135
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/24/2021 8:01:40 PM	62135
Surr: DNOP	120	70-130		%Rec	1	8/24/2021 8:01:40 PM	62135
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/24/2021 7:45:49 PM	62122
Surr: BFB	108	70-130		%Rec	1	8/24/2021 7:45:49 PM	62122
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	8/24/2021 7:45:49 PM	62122
Toluene	ND	0.047		mg/Kg	1	8/24/2021 7:45:49 PM	62122
Ethylbenzene	ND	0.047		mg/Kg	1	8/24/2021 7:45:49 PM	62122
Xylenes, Total	ND	0.095		mg/Kg	1	8/24/2021 7:45:49 PM	62122
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	8/24/2021 7:45:49 PM	62122

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2108B93**
Date Reported: **8/31/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: TT-5 2'
Project: Federal FC Com 2H Fed FC
Collection Date: 8/18/2021 11:30:00 AM
Lab ID: 2108B93-013 **Matrix:** SOIL
Received Date: 8/21/2021 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	ND	60		mg/Kg	20	8/24/2021 11:23:49 AM	62145
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	70	9.4		mg/Kg	1	8/25/2021 11:44:53 AM	62135
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/25/2021 11:44:53 AM	62135
Surr: DNOP	113	70-130		%Rec	1	8/25/2021 11:44:53 AM	62135
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/24/2021 8:09:35 PM	62122
Surr: BFB	103	70-130		%Rec	1	8/24/2021 8:09:35 PM	62122
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	8/24/2021 8:09:35 PM	62122
Toluene	ND	0.048		mg/Kg	1	8/24/2021 8:09:35 PM	62122
Ethylbenzene	ND	0.048		mg/Kg	1	8/24/2021 8:09:35 PM	62122
Xylenes, Total	ND	0.096		mg/Kg	1	8/24/2021 8:09:35 PM	62122
Surr: 4-Bromofluorobenzene	96.2	70-130		%Rec	1	8/24/2021 8:09:35 PM	62122

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2108B93**
Date Reported: **8/31/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: TT-5 3'
Project: Federal FC Com 2H Fed FC
Collection Date: 8/18/2021 11:33:00 AM
Lab ID: 2108B93-014 **Matrix:** SOIL
Received Date: 8/21/2021 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	160	60		mg/Kg	20	8/24/2021 12:00:51 PM	62145
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	8/24/2021 8:21:27 PM	62135
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/24/2021 8:21:27 PM	62135
Surr: DNOP	119	70-130		%Rec	1	8/24/2021 8:21:27 PM	62135
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/24/2021 8:56:56 PM	62122
Surr: BFB	109	70-130		%Rec	1	8/24/2021 8:56:56 PM	62122
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	8/24/2021 8:56:56 PM	62122
Toluene	ND	0.048		mg/Kg	1	8/24/2021 8:56:56 PM	62122
Ethylbenzene	ND	0.048		mg/Kg	1	8/24/2021 8:56:56 PM	62122
Xylenes, Total	ND	0.096		mg/Kg	1	8/24/2021 8:56:56 PM	62122
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	8/24/2021 8:56:56 PM	62122

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2108B93**
Date Reported: **8/31/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: TT-6 2'
Project: Federal FC Com 2H Fed FC
Collection Date: 8/18/2021 2:40:00 PM
Lab ID: 2108B93-015 **Matrix:** SOIL
Received Date: 8/21/2021 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	ND	60		mg/Kg	20	8/24/2021 12:13:12 PM	62145
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/24/2021 8:31:17 PM	62135
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/24/2021 8:31:17 PM	62135
Surr: DNOP	116	70-130		%Rec	1	8/24/2021 8:31:17 PM	62135
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/24/2021 9:20:28 PM	62122
Surr: BFB	105	70-130		%Rec	1	8/24/2021 9:20:28 PM	62122
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	8/24/2021 9:20:28 PM	62122
Toluene	ND	0.047		mg/Kg	1	8/24/2021 9:20:28 PM	62122
Ethylbenzene	ND	0.047		mg/Kg	1	8/24/2021 9:20:28 PM	62122
Xylenes, Total	ND	0.094		mg/Kg	1	8/24/2021 9:20:28 PM	62122
Surr: 4-Bromofluorobenzene	98.1	70-130		%Rec	1	8/24/2021 9:20:28 PM	62122

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2108B93**
Date Reported: **8/31/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: TT-6 3'
Project: Federal FC Com 2H Fed FC
Collection Date: 8/18/2021 2:43:00 PM
Lab ID: 2108B93-016 **Matrix:** SOIL
Received Date: 8/21/2021 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	61	60		mg/Kg	20	8/24/2021 12:25:33 PM	62145
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	8/24/2021 8:41:10 PM	62135
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/24/2021 8:41:10 PM	62135
Surr: DNOP	123	70-130		%Rec	1	8/24/2021 8:41:10 PM	62135
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/24/2021 9:44:00 PM	62122
Surr: BFB	105	70-130		%Rec	1	8/24/2021 9:44:00 PM	62122
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	8/24/2021 9:44:00 PM	62122
Toluene	ND	0.047		mg/Kg	1	8/24/2021 9:44:00 PM	62122
Ethylbenzene	ND	0.047		mg/Kg	1	8/24/2021 9:44:00 PM	62122
Xylenes, Total	ND	0.095		mg/Kg	1	8/24/2021 9:44:00 PM	62122
Surr: 4-Bromofluorobenzene	98.8	70-130		%Rec	1	8/24/2021 9:44:00 PM	62122

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2108B93**
Date Reported: **8/31/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: TT-6 4'
Project: Federal FC Com 2H Fed FC
Collection Date: 8/18/2021 9:10:00 AM
Lab ID: 2108B93-017 **Matrix:** SOIL
Received Date: 8/21/2021 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**VP**
Chloride	1000	60		mg/Kg	20	8/24/2021 12:37:55 PM	62145
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	8/24/2021 8:50:58 PM	62135
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/24/2021 8:50:58 PM	62135
Surr: DNOP	119	70-130		%Rec	1	8/24/2021 8:50:58 PM	62135
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/24/2021 10:07:33 PM	62122
Surr: BFB	104	70-130		%Rec	1	8/24/2021 10:07:33 PM	62122
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	0.024		mg/Kg	1	8/24/2021 10:07:33 PM	62122
Toluene	ND	0.047		mg/Kg	1	8/24/2021 10:07:33 PM	62122
Ethylbenzene	ND	0.047		mg/Kg	1	8/24/2021 10:07:33 PM	62122
Xylenes, Total	ND	0.094		mg/Kg	1	8/24/2021 10:07:33 PM	62122
Surr: 4-Bromofluorobenzene	98.5	70-130		%Rec	1	8/24/2021 10:07:33 PM	62122

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2108B93**
Date Reported: **8/31/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: TT-6 5'
Project: Federal FC Com 2H Fed FC
Collection Date: 8/19/2021 2:50:00 PM
Lab ID: 2108B93-018 **Matrix:** SOIL
Received Date: 8/21/2021 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**VP**
Chloride	520	61		mg/Kg	20	8/24/2021 12:50:17 PM	62145
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/24/2021 11:33:57 AM	62136
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/24/2021 11:33:57 AM	62136
Surr: DNOP	117	70-130		%Rec	1	8/24/2021 11:33:57 AM	62136
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**mb**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/24/2021 1:33:00 PM	62134
Surr: BFB	97.8	70-130		%Rec	1	8/24/2021 1:33:00 PM	62134
EPA METHOD 8021B: VOLATILES						Analyst:	**mb**
Benzene	ND	0.025		mg/Kg	1	8/24/2021 1:33:00 PM	62134
Toluene	ND	0.050		mg/Kg	1	8/24/2021 1:33:00 PM	62134
Ethylbenzene	ND	0.050		mg/Kg	1	8/24/2021 1:33:00 PM	62134
Xylenes, Total	ND	0.10		mg/Kg	1	8/24/2021 1:33:00 PM	62134
Surr: 4-Bromofluorobenzene	89.3	70-130		%Rec	1	8/24/2021 1:33:00 PM	62134

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2108B93**
Date Reported: **8/31/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: TT-7 2'
Project: Federal FC Com 2H Fed FC
Collection Date: 8/19/2021 10:30:00 AM
Lab ID: 2108B93-019 **Matrix:** SOIL
Received Date: 8/21/2021 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**VP**
Chloride	300	60		mg/Kg	20	8/24/2021 1:02:38 PM	62145
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
Diesel Range Organics (DRO)	97	10		mg/Kg	1	8/30/2021 4:54:28 PM	62245
Motor Oil Range Organics (MRO)	110	50		mg/Kg	1	8/30/2021 4:54:28 PM	62245
Surr: DNOP	115	70-130		%Rec	1	8/30/2021 4:54:28 PM	62245
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**mb**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/24/2021 2:33:00 PM	62134
Surr: BFB	92.7	70-130		%Rec	1	8/24/2021 2:33:00 PM	62134
EPA METHOD 8021B: VOLATILES						Analyst:	**mb**
Benzene	ND	0.024		mg/Kg	1	8/24/2021 2:33:00 PM	62134
Toluene	ND	0.047		mg/Kg	1	8/24/2021 2:33:00 PM	62134
Ethylbenzene	ND	0.047		mg/Kg	1	8/24/2021 2:33:00 PM	62134
Xylenes, Total	ND	0.095		mg/Kg	1	8/24/2021 2:33:00 PM	62134
Surr: 4-Bromofluorobenzene	83.7	70-130		%Rec	1	8/24/2021 2:33:00 PM	62134

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2108B93**

31-Aug-21

Client: Talon Artesia

Project: Federal FC Com 2H Fed FC

Sample ID: **MB-62139**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **62139**	RunNo: **80719**							
Prep Date: **8/23/2021**	Analysis Date: **8/23/2021**	SeqNo: **2848155**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-62139**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **62139**	RunNo: **80719**							
Prep Date: **8/23/2021**	Analysis Date: **8/23/2021**	SeqNo: **2848156**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	98.2	90	110			

Sample ID: **MB-62145**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **62145**	RunNo: **80766**							
Prep Date: **8/24/2021**	Analysis Date: **8/24/2021**	SeqNo: **2849582**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-62145**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **62145**	RunNo: **80766**							
Prep Date: **8/24/2021**	Analysis Date: **8/24/2021**	SeqNo: **2849583**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.0	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2108B93**

31-Aug-21

Client: Talon Artesia

Project: Federal FC Com 2H Fed FC

Sample ID: **LCS-62132**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **62132**	RunNo: **80756**
Prep Date: **8/23/2021**	Analysis Date: **8/24/2021**	SeqNo: **2849223** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.4		5.000		108	70	130			

Sample ID: **MB-62132**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **62132**	RunNo: **80756**
Prep Date: **8/23/2021**	Analysis Date: **8/24/2021**	SeqNo: **2849224** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	12		10.00		122	70	130			

Sample ID: **MB-62135**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **62135**	RunNo: **80756**
Prep Date: **8/23/2021**	Analysis Date: **8/24/2021**	SeqNo: **2849225** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	13		10.00		129	70	130			

Sample ID: **MB-62136**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **62136**	RunNo: **80779**
Prep Date: **8/23/2021**	Analysis Date: **8/24/2021**	SeqNo: **2850197** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		112	70	130			

Sample ID: **LCS-62136**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **62136**	RunNo: **80779**
Prep Date: **8/23/2021**	Analysis Date: **8/24/2021**	SeqNo: **2850198** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	94.4	68.9	141			
Surr: DNOP	5.0		5.000		99.7	70	130			

Sample ID: **LCS-62135**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **62135**	RunNo: **80793**
Prep Date: **8/23/2021**	Analysis Date: **8/25/2021**	SeqNo: **2850703** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2108B93**

31-Aug-21

Client: Talon Artesia

Project: Federal FC Com 2H Fed FC

Sample ID: **LCS-62135** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **62135** RunNo: **80793**
Prep Date: **8/23/2021** Analysis Date: **8/25/2021** SeqNo: **2850703** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	10	50.00	0	104	68.9	141			
Surr: DNOP	5.8		5.000		115	70	130			

Sample ID: **LCS-62245** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **62245** RunNo: **80890**
Prep Date: **8/27/2021** Analysis Date: **8/28/2021** SeqNo: **2854941** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	91.1	68.9	141			
Surr: DNOP	4.6		5.000		92.5	70	130			

Sample ID: **MB-62245** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **62245** RunNo: **80890**
Prep Date: **8/27/2021** Analysis Date: **8/28/2021** SeqNo: **2854944** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	12		10.00		122	70	130			

Sample ID: **2108B93-019AMS** SampType: **MS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **TT-7 2'** Batch ID: **62245** RunNo: **80907**
Prep Date: **8/27/2021** Analysis Date: **8/30/2021** SeqNo: **2856106** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	120	9.5	47.39	96.58	59.9	39.3	155			
Surr: DNOP	4.5		4.739		94.2	70	130			

Sample ID: **2108B93-019AMSD** SampType: **MSD** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **TT-7 2'** Batch ID: **62245** RunNo: **80907**
Prep Date: **8/27/2021** Analysis Date: **8/30/2021** SeqNo: **2856107** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	130	9.8	48.88	96.58	68.2	39.3	155	3.86	23.4	
Surr: DNOP	5.1		4.888		104	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2108B93**

31-Aug-21

Client: Talon Artesia

Project: Federal FC Com 2H Fed FC

Sample ID: **mb-62122**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **PBS**	Batch ID: **62122**	RunNo: **80765**							
Prep Date: **8/23/2021**	Analysis Date: **8/24/2021**	SeqNo: **2849495**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		107	70	130			

Sample ID: **lcs-62122**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **LCSS**	Batch ID: **62122**	RunNo: **80765**							
Prep Date: **8/23/2021**	Analysis Date: **8/24/2021**	SeqNo: **2849496**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	5.0	25.00	0	114	78.6	131			
Surr: BFB	1100		1000		115	70	130			

Sample ID: **mb-62134**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **PBS**	Batch ID: **62134**	RunNo: **80764**							
Prep Date: **8/23/2021**	Analysis Date: **8/24/2021**	SeqNo: **2849531**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	980		1000		98.0	70	130			

Sample ID: **lcs-62134**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **LCSS**	Batch ID: **62134**	RunNo: **80764**							
Prep Date: **8/23/2021**	Analysis Date: **8/24/2021**	SeqNo: **2849534**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	107	78.6	131			
Surr: BFB	1000		1000		101	70	130			

Sample ID: **2108B93-018ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **TT-6 5'**	Batch ID: **62134**	RunNo: **80764**							
Prep Date: **8/23/2021**	Analysis Date: **8/24/2021**	SeqNo: **2849537**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	4.7	23.36	0	117	61.3	114			S
Surr: BFB	980		934.6		105	70	130			

Sample ID: **2108B93-018amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **TT-6 5'**	Batch ID: **62134**	RunNo: **80764**							
Prep Date: **8/23/2021**	Analysis Date: **8/24/2021**	SeqNo: **2849540**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2108B93**

31-Aug-21

Client: Talon Artesia

Project: Federal FC Com 2H Fed FC

Sample ID: **2108B93-018amsd** SampType: **MSD** TestCode: **EPA Method 8015D: Gasoline Range**

Client ID: **TT-6 5'** Batch ID: **62134** RunNo: **80764**

Prep Date: **8/23/2021** Analysis Date: **8/24/2021** SeqNo: **2849540** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	4.9	24.39	0	115	61.3	114	2.74	20	S
Surr: BFB	1100		975.6		108	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2108B93**

31-Aug-21

Client: Talon Artesia

Project: Federal FC Com 2H Fed FC

Sample ID: **mb-62122**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **62122**	RunNo: **80765**
Prep Date: **8/23/2021**	Analysis Date: **8/24/2021**	SeqNo: **2849538** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		99.9	70	130			

Sample ID: **LCS-62122**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **62122**	RunNo: **80765**
Prep Date: **8/23/2021**	Analysis Date: **8/24/2021**	SeqNo: **2849539** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	1.000	0	89.7	80	120			
Toluene	0.91	0.050	1.000	0	91.4	80	120			
Ethylbenzene	0.92	0.050	1.000	0	91.9	80	120			
Xylenes, Total	2.7	0.10	3.000	0	91.3	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		102	70	130			

Sample ID: **mb-62134**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **62134**	RunNo: **80764**
Prep Date: **8/23/2021**	Analysis Date: **8/24/2021**	SeqNo: **2849579** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.88		1.000		87.9	70	130			

Sample ID: **lcs-62134**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **62134**	RunNo: **80764**
Prep Date: **8/23/2021**	Analysis Date: **8/24/2021**	SeqNo: **2849592** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.025	1.000	0	86.6	80	120			
Toluene	0.88	0.050	1.000	0	88.1	80	120			
Ethylbenzene	0.91	0.050	1.000	0	90.6	80	120			
Xylenes, Total	2.7	0.10	3.000	0	90.7	80	120			
Surr: 4-Bromofluorobenzene	0.81		1.000		81.4	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2108B93**

31-Aug-21

Client: Talon Artesia

Project: Federal FC Com 2H Fed FC

Sample ID: **2108B93-019ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **TT-7 2'**	Batch ID: **62134**	RunNo: **80764**
Prep Date: **8/23/2021**	Analysis Date: **8/24/2021**	SeqNo: **2849622** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.024	0.9681	0	94.5	80	120			
Toluene	0.96	0.048	0.9681	0	99.0	80	120			
Ethylbenzene	0.99	0.048	0.9681	0	102	80	120			
Xylenes, Total	3.0	0.097	2.904	0	103	80	120			
Surr: 4-Bromofluorobenzene	0.80		0.9681		82.6	70	130			

Sample ID: **2108B93-019amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **TT-7 2'**	Batch ID: **62134**	RunNo: **80764**
Prep Date: **8/23/2021**	Analysis Date: **8/24/2021**	SeqNo: **2849623** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.024	0.9756	0	98.1	80	120	4.50	20	
Toluene	1.0	0.049	0.9756	0	103	80	120	4.37	20	
Ethylbenzene	1.0	0.049	0.9756	0	107	80	120	5.21	20	
Xylenes, Total	3.2	0.098	2.927	0	108	80	120	5.27	20	
Surr: 4-Bromofluorobenzene	0.80		0.9756		82.3	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

Sample Log-In Check List

Client Name: **Talon Artesia** Work Order Number: **2108B93** RcptNo: 1

Received By: **Cheyenne Cason** **8/21/2021 8:50:00 AM**

Completed By: **Desiree Dominguez** **8/21/2021 10:38:27 AM**

Reviewed By: JR 8/23/21

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: SPA 8-23-21

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.3	Good				

Released to Imaging: 11/29/2021 2:56:09 PM

Received by OCD: 10/25/2021 9:07:56 PM

Chain-of-Custody Record

Client: Talon LPE

Mailing Address: 408 W. Texas Ave

Artesia, NM 88210

Phone #: 575.746.8768

email or Fax#:

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other_____

☐ EDD (Type) _____

Turn-Around Time: 3-Day

☐ Standard ☐ **Rush**_____

Project Name:

Federal FC Com #2H (Fed FC)

Project #:

700438.247.01

Project Manager:

R.Pons

Sampler: M.Collier

On Ice: ☑ Yes ☐ No

# of Coolers: (

Cooler Temp(including CF): 0.3 -0 =0.3

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2108B93	BTEX	TPH	Chlorides
8/16/2021	11:00	Soil	TT-1 3'	Glass/1	Ice/Cool	-001	X	X	X
	11:05		TT-1 4'			-002			
	11:10		TT-1 5'			-003			
	11:33		TT-2 2'			-004			
	11:36		TT-2 3'			-005			
	11:39		TT-2 4'			-006			
8/17/2021	10:30		TT-3 2'			-007			
	10:33		TT-3 3'			-008			
	10:36		TT-3 4'			-009			
	11:00		TT-4 2'			-010			
	11:03		TT-4 3'			-011			
	11:06		TT-4 4'			-012			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
8/20/21	1130				8/20/21	1130
8/20/21	1900		see carr		8/21/21	0850

Remarks: Direct Bill to EOG Resources. ATTN: Chase Settle

Pg 1 of 2

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Released to Imaging: 11/29/2021 2:56:09 PM

Received by OCD: 10/25/2021 9:07:56 PM

Chain-of-Custody Record

Client: Talon LPE

Mailing Address: 408 W. Texas Ave

Artesia, NM 88210

Phone #: 575.746.8768

email or Fax#:

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other_____

☐ EDD (Type) _____

Turn-Around Time: 3-Day

☐ Standard ☐ **Rush**_____

Project Name:

Federal FC Com #2H (Fed FC)

Project #:

700438.247.01

Project Manager:

R.Pons

Sampler: M.Collier

On Ice: ☑ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 0.3 - 0 = 0.3

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2108B93	BTEX	TPH	Chlorides
8/18/2021	11:30	Soil	TT-5 2'	Glass/1	Ice/Cool	-013	X	X	X
"	11:33	"	TT-5 3'	"	"	-014	"	"	"
"	2:40	"	TT-6 2'	"	"	-015	"	"	"
"	2:43	"	TT-6 3'	"	"	-016	"	"	"
8/18/2021	9:10	"	TT-6 4'	"	"	-017	"	"	"
8/19/2021	2:50	"	TT-6 5'	"	"	-018	"	"	"
"	10:30	"	TT-7 2'	"	"	-019	"	"	"

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
8/20/21	1130			-	8/20/21	1130
8/20/21	1900		cec courier		8/21/21	0850

Remarks: Direct Bill to EOG Resources. ATTN: Chase Settle

Pg 2 of 2

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

September 30, 2021

Rebecca Pons
Talon Artesia
408 West Texas Ave
Artesia, NM 88210
TEL:
FAX:

RE: Federal FC Com 2 OrderNo.: 2109B79

Dear Rebecca Pons:

Hall Environmental Analysis Laboratory received 9 sample(s) on 9/22/2021 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2109B79**
Date Reported: **9/30/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Project: Federal FC Com 2
Lab ID: 2109B79-001 **Matrix:** SOIL

Client Sample ID: TT-7 4'
Collection Date: 9/13/2021 11:15:00 AM
Received Date: 9/22/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	2300	150		mg/Kg	50	9/27/2021 8:19:44 AM	62820
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	68	9.4		mg/Kg	1	9/28/2021 10:57:45 AM	62781
Motor Oil Range Organics (MRO)	87	47		mg/Kg	1	9/28/2021 10:57:45 AM	62781
Surr: DNOP	94.1	70-130		%Rec	1	9/28/2021 10:57:45 AM	62781
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/23/2021 9:21:51 PM	62766
Surr: BFB	121	70-130		%Rec	1	9/23/2021 9:21:51 PM	62766
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	0.028	0.024		mg/Kg	1	9/23/2021 9:21:51 PM	62766
Toluene	0.20	0.049		mg/Kg	1	9/23/2021 9:21:51 PM	62766
Ethylbenzene	0.27	0.049		mg/Kg	1	9/23/2021 9:21:51 PM	62766
Xylenes, Total	0.26	0.097		mg/Kg	1	9/23/2021 9:21:51 PM	62766
Surr: 4-Bromofluorobenzene	96.7	70-130		%Rec	1	9/23/2021 9:21:51 PM	62766

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2109B79**
Date Reported: **9/30/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: TT-7 6'
Project: Federal FC Com 2
Collection Date: 9/13/2021 11:30:00 AM
Lab ID: 2109B79-002
Matrix: SOIL
Received Date: 9/22/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	4400	150		mg/Kg	50	9/27/2021 8:32:08 AM	62820
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	88	9.1		mg/Kg	1	9/27/2021 11:38:49 AM	62781
Motor Oil Range Organics (MRO)	300	45		mg/Kg	1	9/27/2021 11:38:49 AM	62781
Surr: DNOP	95.1	70-130		%Rec	1	9/27/2021 11:38:49 AM	62781
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	6.1	4.7		mg/Kg	1	9/23/2021 9:45:18 PM	62766
Surr: BFB	126	70-130		%Rec	1	9/23/2021 9:45:18 PM	62766
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	0.033	0.023		mg/Kg	1	9/23/2021 9:45:18 PM	62766
Toluene	0.28	0.047		mg/Kg	1	9/23/2021 9:45:18 PM	62766
Ethylbenzene	0.43	0.047		mg/Kg	1	9/23/2021 9:45:18 PM	62766
Xylenes, Total	0.40	0.093		mg/Kg	1	9/23/2021 9:45:18 PM	62766
Surr: 4-Bromofluorobenzene	97.7	70-130		%Rec	1	9/23/2021 9:45:18 PM	62766

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2109B79**
Date Reported: **9/30/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Project: Federal FC Com 2
Lab ID: 2109B79-003 **Matrix:** SOIL

Client Sample ID: TT-7 8'
Collection Date: 9/13/2021 11:33:00 AM
Received Date: 9/22/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	2200	150		mg/Kg	50	9/28/2021 1:29:53 AM	62839
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	570	95		mg/Kg	10	9/24/2021 2:21:24 PM	62781
Motor Oil Range Organics (MRO)	1500	480		mg/Kg	10	9/24/2021 2:21:24 PM	62781
Surr: DNOP	0	70-130	S	%Rec	10	9/24/2021 2:21:24 PM	62781
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	8.1	4.6		mg/Kg	1	9/23/2021 10:08:52 PM	62766
Surr: BFB	140	70-130	S	%Rec	1	9/23/2021 10:08:52 PM	62766
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.023		mg/Kg	1	9/23/2021 10:08:52 PM	62766
Toluene	0.26	0.046		mg/Kg	1	9/23/2021 10:08:52 PM	62766
Ethylbenzene	0.57	0.046		mg/Kg	1	9/23/2021 10:08:52 PM	62766
Xylenes, Total	0.53	0.092		mg/Kg	1	9/23/2021 10:08:52 PM	62766
Surr: 4-Bromofluorobenzene	98.6	70-130		%Rec	1	9/23/2021 10:08:52 PM	62766

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2109B79**
Date Reported: **9/30/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Project: Federal FC Com 2
Lab ID: 2109B79-004 **Matrix:** SOIL

Client Sample ID: TT-7 10'
Collection Date: 9/13/2021 11:40:00 AM
Received Date: 9/22/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	2100	150		mg/Kg	50	9/28/2021 1:42:17 AM	62839
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	610	190		mg/Kg	20	9/24/2021 2:45:15 PM	62781
Motor Oil Range Organics (MRO)	1700	950		mg/Kg	20	9/24/2021 2:45:15 PM	62781
Surr: DNOP	0	70-130	S	%Rec	20	9/24/2021 2:45:15 PM	62781
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	5.0	4.7		mg/Kg	1	9/23/2021 10:32:37 PM	62766
Surr: BFB	139	70-130	S	%Rec	1	9/23/2021 10:32:37 PM	62766
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.023		mg/Kg	1	9/23/2021 10:32:37 PM	62766
Toluene	0.052	0.047		mg/Kg	1	9/23/2021 10:32:37 PM	62766
Ethylbenzene	0.33	0.047		mg/Kg	1	9/23/2021 10:32:37 PM	62766
Xylenes, Total	0.20	0.093		mg/Kg	1	9/23/2021 10:32:37 PM	62766
Surr: 4-Bromofluorobenzene	97.9	70-130		%Rec	1	9/23/2021 10:32:37 PM	62766

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2109B79**
Date Reported: **9/30/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Project: Federal FC Com 2
Lab ID: 2109B79-005 **Matrix:** SOIL

Client Sample ID: TT-7 12'
Collection Date: 9/13/2021 11:43:00 AM
Received Date: 9/22/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	2200	150		mg/Kg	50	9/28/2021 1:54:42 AM	62839
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	360	99		mg/Kg	10	9/24/2021 3:09:06 PM	62781
Motor Oil Range Organics (MRO)	940	490		mg/Kg	10	9/24/2021 3:09:06 PM	62781
Surr: DNOP	0	70-130	S	%Rec	10	9/24/2021 3:09:06 PM	62781
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	9/23/2021 10:56:18 PM	62766
Surr: BFB	118	70-130		%Rec	1	9/23/2021 10:56:18 PM	62766
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.023		mg/Kg	1	9/23/2021 10:56:18 PM	62766
Toluene	ND	0.046		mg/Kg	1	9/23/2021 10:56:18 PM	62766
Ethylbenzene	0.057	0.046		mg/Kg	1	9/23/2021 10:56:18 PM	62766
Xylenes, Total	ND	0.092		mg/Kg	1	9/23/2021 10:56:18 PM	62766
Surr: 4-Bromofluorobenzene	92.2	70-130		%Rec	1	9/23/2021 10:56:18 PM	62766

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2109B79**
Date Reported: **9/30/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Project: Federal FC Com 2
Lab ID: 2109B79-006 **Matrix:** SOIL

Client Sample ID: TT-7 14'
Collection Date: 9/13/2021 11:50:00 AM
Received Date: 9/22/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	1600	60		mg/Kg	20	9/27/2021 11:13:26 AM	62839
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	32	9.3		mg/Kg	1	9/28/2021 11:22:15 AM	62781
Motor Oil Range Organics (MRO)	120	46		mg/Kg	1	9/28/2021 11:22:15 AM	62781
Surr: DNOP	96.5	70-130		%Rec	1	9/28/2021 11:22:15 AM	62781
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/23/2021 11:19:45 PM	62766
Surr: BFB	103	70-130		%Rec	1	9/23/2021 11:19:45 PM	62766
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	9/23/2021 11:19:45 PM	62766
Toluene	ND	0.047		mg/Kg	1	9/23/2021 11:19:45 PM	62766
Ethylbenzene	ND	0.047		mg/Kg	1	9/23/2021 11:19:45 PM	62766
Xylenes, Total	ND	0.095		mg/Kg	1	9/23/2021 11:19:45 PM	62766
Surr: 4-Bromofluorobenzene	90.4	70-130		%Rec	1	9/23/2021 11:19:45 PM	62766

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2109B79**
Date Reported: **9/30/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Project: Federal FC Com 2
Lab ID: 2109B79-007 **Matrix:** SOIL

Client Sample ID: TT-7 16'
Collection Date: 9/13/2021 11:53:00 AM
Received Date: 9/22/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	2200	60		mg/Kg	20	9/27/2021 11:25:50 AM	62839
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	99	9.8		mg/Kg	1	9/28/2021 11:47:00 AM	62781
Motor Oil Range Organics (MRO)	330	49		mg/Kg	1	9/28/2021 11:47:00 AM	62781
Surr: DNOP	100	70-130		%Rec	1	9/28/2021 11:47:00 AM	62781
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/24/2021 12:53:44 AM	62766
Surr: BFB	109	70-130		%Rec	1	9/24/2021 12:53:44 AM	62766
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	9/24/2021 12:53:44 AM	62766
Toluene	ND	0.048		mg/Kg	1	9/24/2021 12:53:44 AM	62766
Ethylbenzene	ND	0.048		mg/Kg	1	9/24/2021 12:53:44 AM	62766
Xylenes, Total	ND	0.095		mg/Kg	1	9/24/2021 12:53:44 AM	62766
Surr: 4-Bromofluorobenzene	90.3	70-130		%Rec	1	9/24/2021 12:53:44 AM	62766

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2109B79**
Date Reported: **9/30/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Project: Federal FC Com 2
Lab ID: 2109B79-008 **Matrix:** SOIL

Client Sample ID: TT-7 18'
Collection Date: 9/13/2021 12:00:00 PM
Received Date: 9/22/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	2300	60		mg/Kg	20	9/27/2021 11:38:15 AM	62839
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	9/25/2021 3:49:01 AM	62781
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	9/25/2021 3:49:01 AM	62781
Surr: DNOP	99.8	70-130		%Rec	1	9/25/2021 3:49:01 AM	62781
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/24/2021 1:17:18 AM	62766
Surr: BFB	101	70-130		%Rec	1	9/24/2021 1:17:18 AM	62766
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	9/24/2021 1:17:18 AM	62766
Toluene	ND	0.049		mg/Kg	1	9/24/2021 1:17:18 AM	62766
Ethylbenzene	ND	0.049		mg/Kg	1	9/24/2021 1:17:18 AM	62766
Xylenes, Total	ND	0.097		mg/Kg	1	9/24/2021 1:17:18 AM	62766
Surr: 4-Bromofluorobenzene	88.1	70-130		%Rec	1	9/24/2021 1:17:18 AM	62766

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2109B79**
Date Reported: **9/30/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Project: Federal FC Com 2
Lab ID: 2109B79-009 **Matrix:** SOIL

Client Sample ID: TT-7 20'
Collection Date: 9/13/2021 12:03:00 PM
Received Date: 9/22/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	ND	60		mg/Kg	20	9/27/2021 11:50:40 AM	62839
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	9/25/2021 4:13:25 AM	62781
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/25/2021 4:13:25 AM	62781
Surr: DNOP	98.2	70-130		%Rec	1	9/25/2021 4:13:25 AM	62781
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/24/2021 1:40:53 AM	62766
Surr: BFB	99.3	70-130		%Rec	1	9/24/2021 1:40:53 AM	62766
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	9/24/2021 1:40:53 AM	62766
Toluene	ND	0.048		mg/Kg	1	9/24/2021 1:40:53 AM	62766
Ethylbenzene	ND	0.048		mg/Kg	1	9/24/2021 1:40:53 AM	62766
Xylenes, Total	ND	0.096		mg/Kg	1	9/24/2021 1:40:53 AM	62766
Surr: 4-Bromofluorobenzene	87.4	70-130		%Rec	1	9/24/2021 1:40:53 AM	62766

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2109B79**

30-Sep-21

Client: Talon Artesia

Project: Federal FC Com 2

Sample ID: **MB-62820**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **62820**	RunNo: **81564**							
Prep Date: **9/24/2021**	Analysis Date: **9/24/2021**	SeqNo: **2882323**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-62820**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **62820**	RunNo: **81564**							
Prep Date: **9/24/2021**	Analysis Date: **9/24/2021**	SeqNo: **2882324**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.0	90	110			

Sample ID: **MB-62839**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **62839**	RunNo: **81597**							
Prep Date: **9/27/2021**	Analysis Date: **9/27/2021**	SeqNo: **2883462**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-62839**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **62839**	RunNo: **81597**							
Prep Date: **9/27/2021**	Analysis Date: **9/27/2021**	SeqNo: **2883463**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.5	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2109B79**

30-Sep-21

Client: Talon Artesia

Project: Federal FC Com 2

Sample ID: **LCS-62781**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **62781**	RunNo: **81579**
Prep Date: **9/23/2021**	Analysis Date: **9/25/2021**	SeqNo: **2883289** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	97.5	68.9	135			
Surr: DNOP	4.9		5.000		98.3	70	130			

Sample ID: **LCS-62799**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **62799**	RunNo: **81579**
Prep Date: **9/23/2021**	Analysis Date: **9/24/2021**	SeqNo: **2883290** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.6		5.000		91.3	70	130			

Sample ID: **MB-62781**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **62781**	RunNo: **81579**
Prep Date: **9/23/2021**	Analysis Date: **9/25/2021**	SeqNo: **2883292** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		103	70	130			

Sample ID: **MB-62799**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **62799**	RunNo: **81579**
Prep Date: **9/23/2021**	Analysis Date: **9/24/2021**	SeqNo: **2883293** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		100	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2109B79**

30-Sep-21

Client: Talon Artesia

Project: Federal FC Com 2

Sample ID: **mb-62766**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **62766**	RunNo: **81527**
Prep Date: **9/22/2021**	Analysis Date: **9/23/2021**	SeqNo: **2880290** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		102	70	130			

Sample ID: **lcs-62766**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **62766**	RunNo: **81527**
Prep Date: **9/22/2021**	Analysis Date: **9/23/2021**	SeqNo: **2880291** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	30	5.0	25.00	0	118	78.6	131			
Surr: BFB	1100		1000		115	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2109B79**

30-Sep-21

Client: Talon Artesia

Project: Federal FC Com 2

Sample ID: **mb-62766**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **62766**	RunNo: **81527**
Prep Date: **9/22/2021**	Analysis Date: **9/23/2021**	SeqNo: **2880326** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.90		1.000		89.5	70	130			

Sample ID: **LCS-62766**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **62766**	RunNo: **81527**
Prep Date: **9/22/2021**	Analysis Date: **9/23/2021**	SeqNo: **2880327** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	94.6	80	120			
Toluene	0.96	0.050	1.000	0	96.2	80	120			
Ethylbenzene	0.97	0.050	1.000	0	96.7	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.4	80	120			
Surr: 4-Bromofluorobenzene	0.94		1.000		94.3	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

Sample Log-In Check List

Client Name: **Talon Artesia** Work Order Number: **2109B79** RcptNo: 1

Received By: **Cheyenne Cason** **9/22/2021 7:10:00 AM** Chk

Completed By: **Sean Livingston** **9/22/2021 9:01:24 AM** S Livingston

Reviewed By: CMC 9/22/21

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: (<2 or >12 unless noted)

Adjusted?

Checked by: JR 9/22/21

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date:

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.1	Good				

Released to Imaging: 11/29/2021 2:56:09 PM
Received by OCD: 10/25/2021 9:07:56 PM

Chain-of-Custody Record

Client: Talon LPE

Mailing Address: 408 W. Texas Ave

Artesia, NM 88210

Phone #: 575.746.8768

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time: 4 Days
☐ Standard ☐ Rush

Project Name: Federal FC Com#2 (Fed FC)

Project #: 700438.247.01

Project Manager: R. Pons

Sampler: J. Carnes

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 1.2-0.1=1.1

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2109379	CHLORIDES	TPH	BTEX
9/13/2021	11:15	Soil	TT-7 4'	Glass Jar	Soil	001	X	X	X
	11:30		TT-7 6'			002			
	11:33		TT-7 8'			003			
	11:40		TT-7 10'			004			
	11:43		TT-7 12'			005			
	11:50		TT-7 14'			006			
	11:53		TT-7 16'			007			
	12:00		TT-7 18'			008			
	12:03		TT-7 20'			009			

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
9/21/21	1130				9/21/21	1130
9/21/21	1900			Courier	9/22/21	0710

Remarks: Bill direct to EOG

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

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

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

CONDITIONS

Operator:	OGRID:
EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	7377
	Action Number: 57811
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	None	11/29/2021