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Remediation Work Plan

Dorami 33 Federal Com #002H
API# 30-015-46010
Eddy County, New Mexico
Event #NRM2008543296

Prepared For:

Spur Energy Partners
2407 Pecos Drive
Artesia, NM 88211

Prepared By:

TALON/LPE
408 W. Texas Avenue
Artesia, NM 88210

July 27, 2020

Mr. Mike Bratcher
NMOCD District 2
811 South First Street
Artesia, New Mexico 88210

Mr. Jim Amos
Bureau of Land Management
600 E. Greene Street
Carlsbad, NM 88220

Subject: **Remediation Work Plan**
Dorami 33 Federal Com #002H
API# 30-15-46010
Eddy County, New Mexico

Dear Mr. Bratcher and Mr. Amos,

Talon/LPE (Talon) has been retained to provide Spur Energy Partners with a remediation work plan. Enclosed please find the results of our site assessment/characterization, soil sampling results and remediation work plan.

Site Information

The Dorami 33 Federal Com #002H is located approximately seventeen (17) miles southwest of Artesia, New Mexico. The legal location for this release is Unit Letter L, Section 34, Township 19 South and Range 25 East in Eddy County, New Mexico. More specifically the latitude and longitude for the facility is 32.615075 North and -104.478445 West. Facility location maps are presented in [Appendix I](#).

According to the soil survey provided by the United States Department of Agriculture Natural Resources Conservation Service, the soil in this area is made up of Reagan-Upton association which consists of gravelly loam with 0 to 9 percent slopes. The soil survey is presented in [Appendix II](#).

Groundwater and Site Characterization

The New Mexico Office of the State Engineer indicates that the nearest reported depth to groundwater in the area is 60-feet below ground surface (bgs). Drainage courses in this area are well-drained. Additionally, the facility is located in a Karst area. See [Appendix II](#) for copies of the referenced data. Karst and FEMA Flood maps are also presented.

Approximate Depth to Groundwater **60 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 freshwater 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

Table I Closure Criteria for Soils Impacted by a Release			
Minimum depth below any point within the horizontal boundary of the release to groundwater 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
	GRO+DRO	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 Descriptions

On March 07, 2020 a release was discovered inside the earthen containment where frac tanks were situated for facility construction. While in the process of transferring the produced water to the Dorami Frac, TCB Services personnel failed to shut down the transfer pump in a timely manner, causing the Frac tanks to over-fill. This resulted in a 30bbl release inside the containment. A vac truck was dispatched to recover the free-standing fluid. Approximately 27 bbls of Produced water were recovered. TCB services took proactive measure by scraping up the saturated soil and stockpiling for removal at time of site remediation. The C-141 release notification was submitted to the NMOCD and event #NRM2008543296 was assigned to this incident. (Appendix III).

Site Assessment Activities

On April 22, 2020, Talon personnel mobilized to begin site assessment and sampling activities. At the time of the initial site assessment, the field technician noticed staining and surface saturation at a secondary frac tank location on the west side of the pad area. Grab soil samples were collected with a hand auger to depths at which refusal was encountered in both areas. A Geoprobe (direct push rig technology) was utilized to advance samples to greater depths in order to achieve vertical delineation. Results from our initial sampling event are presented on the following data table. The complete laboratory report can be found in Appendix V.

Sample ID	Depth (ft.)	Sample Date	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Clorides mg/kg
Closure Criteria 19.15.29.12 NMAC			50 mg/kg	10 mg/kg				100 mg/kg	600 mg/kg
B-1	0-1	4/22/2020	ND	ND	ND	ND	ND	ND	1600
	2	4/22/2020	ND	ND	ND	ND	ND	ND	ND
	3	4/22/2020	ND	ND	ND	ND	ND	ND	ND
	4	4/22/2020	ND	ND	ND	ND	ND	ND	ND
B-2	0-1	4/22/2020	ND	ND	ND	ND	ND	ND	370
	2'	4/22/2020	ND	ND	ND	ND	ND	ND	ND
	3'	4/22/2020	ND	ND	ND	ND	ND	ND	ND
	4'	4/22/2020	ND	ND	ND	ND	ND	ND	ND
B-3	0-1'	4/22/2020	ND	ND	ND	ND	ND	ND	2000
	2	4/22/2020	ND	ND	ND	ND	ND	ND	61
	3'	4/22/2020	ND	ND	ND	ND	ND	ND	ND
	4'	4/22/2020	ND	ND	ND	ND	ND	ND	ND
S-1	0-1'R	4/22/2020	ND	ND	ND	16	ND	ND	ND
S-2	0-1'R	4/22/2020	ND	ND	ND	ND	ND	ND	270
S-3	0-1'R	4/22/2020	ND	ND	ND	1700	ND	ND	ND

R = refusal encountered ND = analyte not detected

Proposed Remedial Actions

- The impacted areas in the vicinity of sample locations B-1, B-3 and S-1 will be excavated to a depth of 1' bgs. Field titration testing for chlorides utilized to guide the horizontal extent of the excavation. Upon completion, 5-point composite samples will be collected from each side wall, as well as the bottom of the excavated area. All soil samples will be sent to an NMOCD certified laboratory for total chloride analysis (EPA Method 300.0) and TPH (EPA Method 8015M).
- Upon receipt of total chloride results of 600 mg/kg and TPH of 100 mg/kg or less from each side wall, the excavation will be backfilled with like material obtained from a local material pit. All contaminated material will be disposed of at an NMOCD approved disposal facility.
- The pad area will be returned to grade and compacted with new caliche.
- A regulatory closure report and a Final C-141 will be submitted to all parties of concern.

Closure

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 Pons
Project Manager

David J. Adkins
Regional Manager

Attachments:

- Appendix I Site Maps
- Appendix II Groundwater Data, Soil Survey & FEMA Flood Map
- Appendix III Site Photographs
- Appendix IV C-141
- Appendix V Laboratory Data



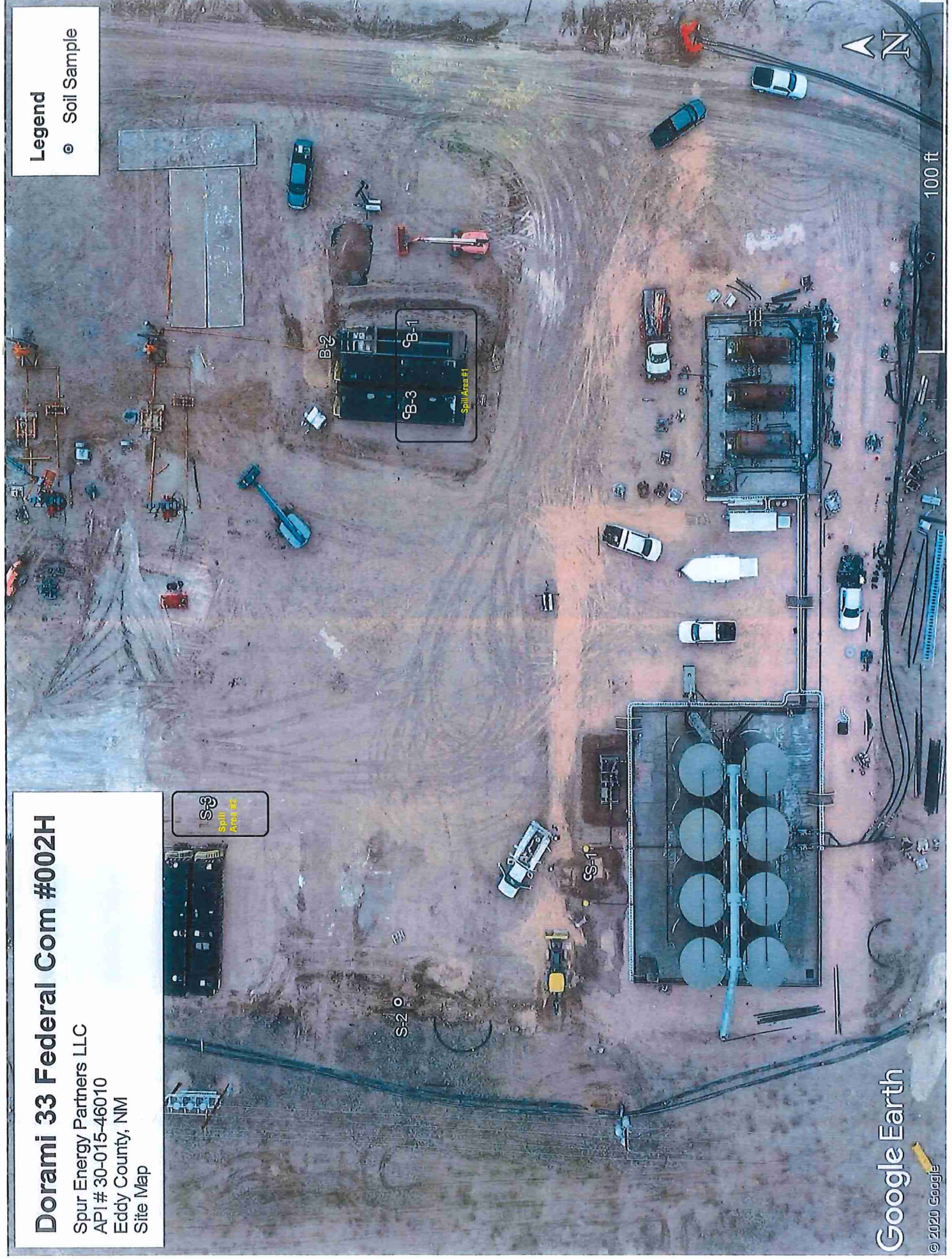
APPENDIX I

SITE MAPS

Dorami 33 Federal Com #002H

Spur Energy Partners LLC
API# 30-015-46010
Eddy County, NM
Site Map

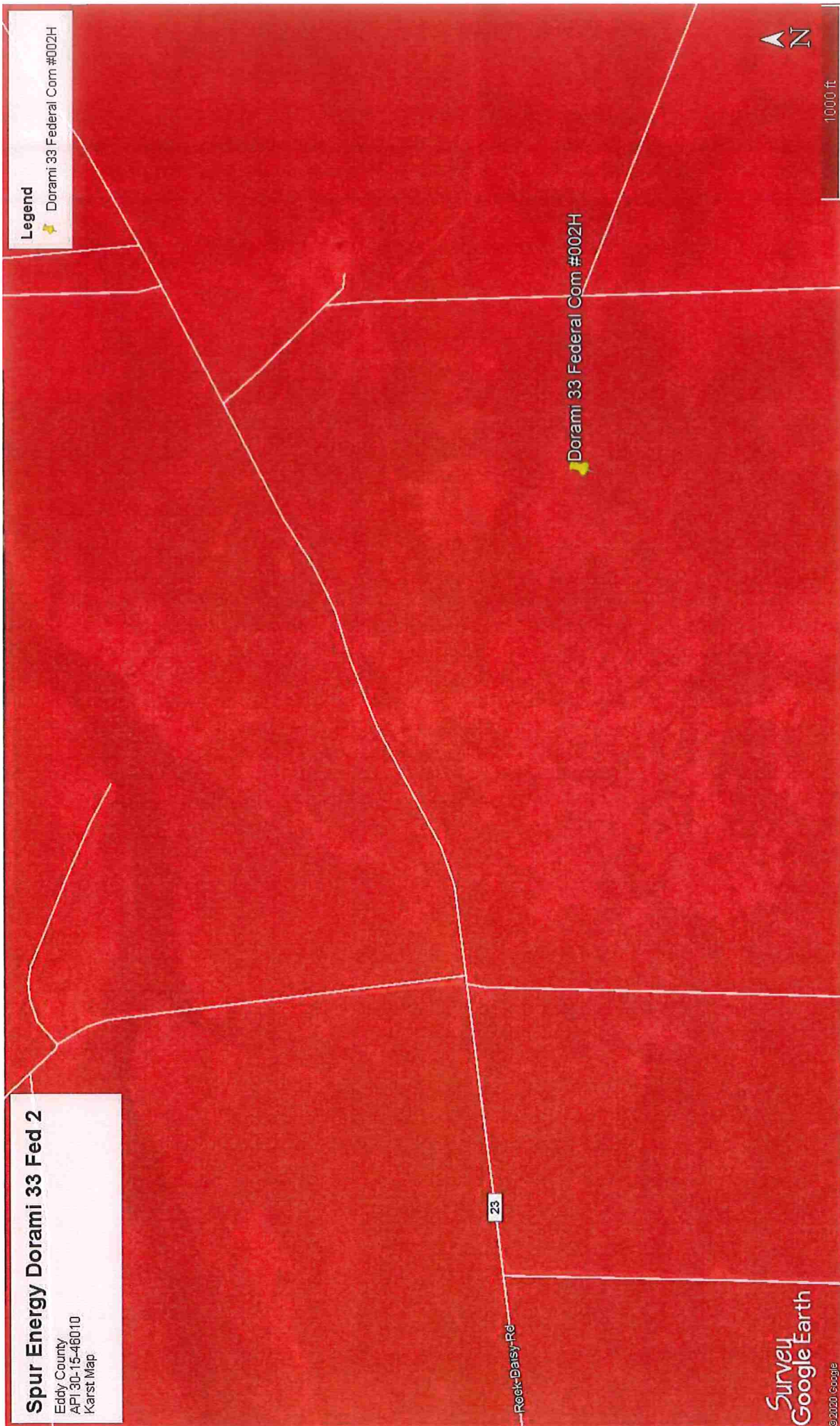
Legend
● Soil Sample



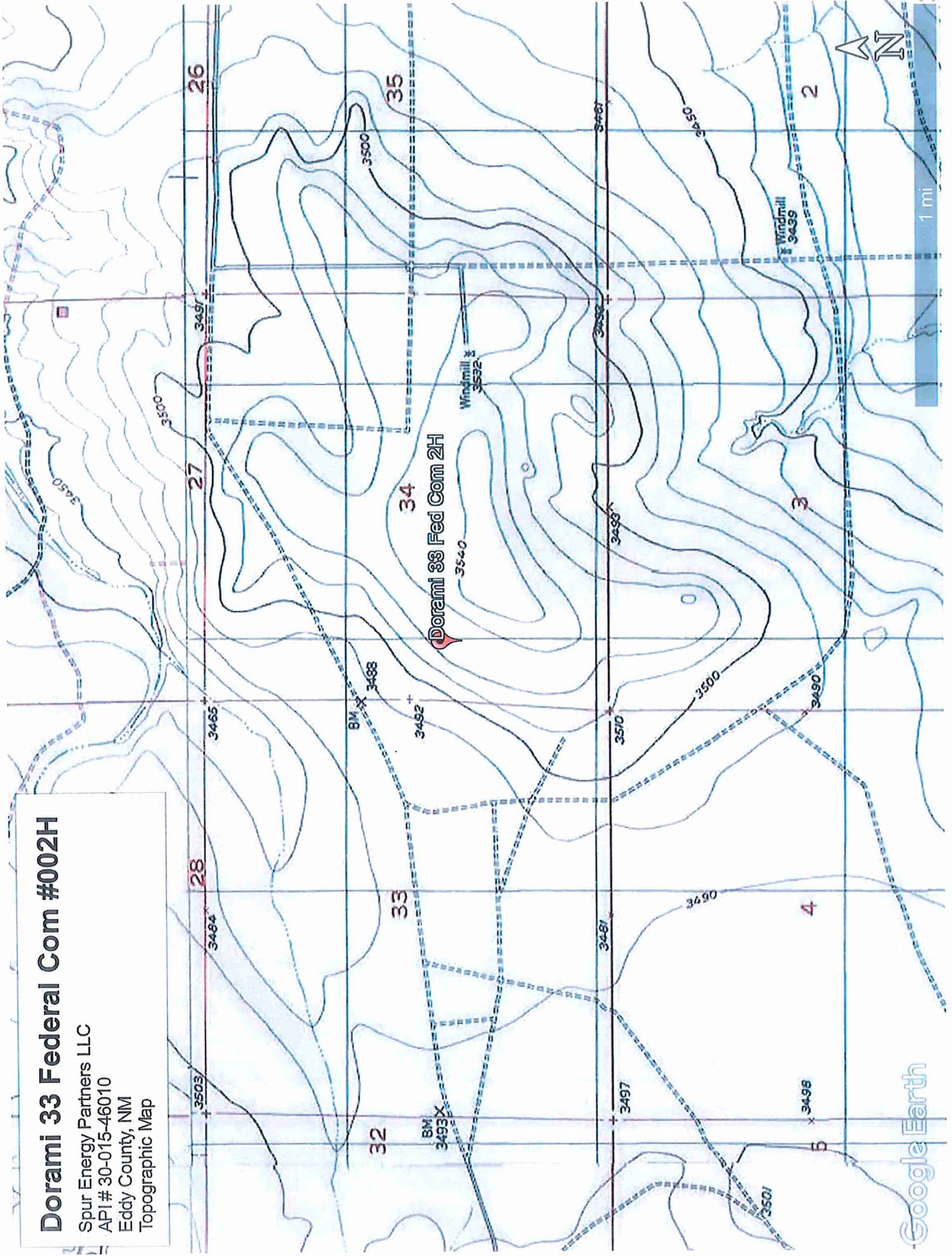
Google Earth

© 2020 Google





Spur Energy Partners LLC
API # 30-015-46010
Eddy County, NM
Topographic Map





APPENDIX II

SOIL SURVEY, GROUNDWATER DATA

Eddy Area, New Mexico

RE—Reagan-Upton association, 0 to 9 percent slopes

Map Unit Setting

National map unit symbol: 1w5d

Elevation: 1,100 to 5,400 feet

Mean annual precipitation: 6 to 14 inches

Mean annual air temperature: 60 to 64 degrees F

Frost-free period: 180 to 240 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Reagan and similar soils: 70 percent

Upton and similar soils: 25 percent

Minor components: 5 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Reagan

Setting

Landform: Alluvial fans, fan remnants

Landform position (three-dimensional): Rise

Down-slope shape: Linear, convex

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

Natural 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 in profile: 40 percent

Salinity, maximum in profile: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)

Sodium adsorption ratio, maximum in profile: 1.0

Available water storage in profile: Moderate (about 8.2 inches)

Interpretive groups

Land capability classification (irrigated): 2e

Land capability classification (nonirrigated): 6e

Hydrologic Soil Group: B

Map Unit Description: Reagan-Upton association, 0 to 9 percent slopes---Eddy Area, New Mexico

Ecological site: Loamy (R070DY153NM)

Hydric soil rating: No

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

Natural 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 in profile: 75 percent

Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum in profile: 1.0

Available water storage in profile: 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: Shallow Loamy (R070DY159NM)

Hydric soil rating: No

Minor Components

Atoka

Percent of map unit: 3 percent

Ecological site: Loamy (R042XC007NM)

Hydric soil rating: No

Pima

Percent of map unit: 2 percent

Ecological site: Bottomland (R042XC017NM)

Map Unit Description: Reagan-Upton association, 0 to 9 percent slopes---Eddy Area, New Mexico

Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 15, Sep 15, 2019





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	Code	POD	County	Q Q Q							X	Y	Distance	DepthWell	DepthWater	Water Column
		Sub-basin		64	16	4	Sec	Tws	Rng							
RA 02958		RA	ED	1	4	34	19S	25E		549681	3608740*		748	450		
RA 03018		RA	ED	3	2	4	34	19S	25E	549987	3608639*		1059	530		
RA 03304		RA	ED			1	27	19S	25E	549081	3610973*		2242	130	60	70
RA 08986		RA	ED	1	3	3	22	19S	25E	548825	3611507		2773	320	220	100
RA 10779		RA	ED	1	3	2	10	20S	25E	549580	3606026*		2785	1300		

Average Depth to Water: 140 feet
Minimum Depth: 60 feet
Maximum Depth: 220 feet

Record Count:5

UTMNAD83 Radius Search (in meters):

Easting (X): 548932.24

Northing (Y): 3608735.48

Radius: 3000

*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.

3/9/20 4:24 PM

WATER COLUMN/ AVERAGE DEPTH TO
WATER



APPENDIX III

PHOTOGRAPHIC DOCUMENTATION

Spur Energy

PHOTO DOCUMENTATION



Spill Source



View of Overflowed Tank



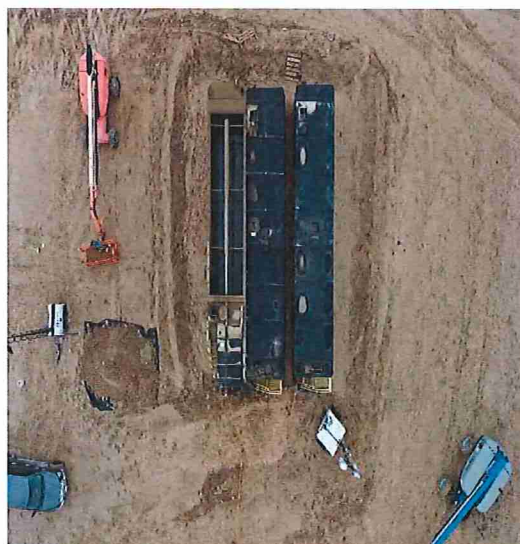
Impacted Area West Side



Aerial view of Frac Tank Local



Reference Flagged Lines



Aerial of Impact-Stockpile



APPENDIX IV

C-141

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	Spur Energy Partners	OGRID	328947
Contact Name	Kenny Kidd	Contact Telephone	575-616-5400
Contact email	kkidd@spurepllc.com	Incident # (assigned by OCD)	
Contact mailing address	2407 Pecos Drive Artesia, NM 88210		

Location of Release Source

Latitude 32.615075 Longitude -104.478445
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Dorami #2	Site Type	Production Facility
Date Release Discovered	03/07/2020	API# (if applicable)	30-015-46010

Unit Letter	Section	Township	Range	County
L	34	19S	25E	Eddy

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

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 30bbls	Volume Recovered (bbls) 27bbls
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

While in process of transferring the produced water to the Dorami Frac, TCB Oilfield Serviced personnel failed to shut down the transfer pump in time causing the Frac tanks to over-fill, creating a 30 bbl spill. All fluid remained inside the containment.

State of New Mexico
Oil Conservation Division

Incident ID	NRM2008543296
District RP	
Facility ID	
Application ID	6J32E-200323-C-1410

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?	<u>60</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

State of New Mexico
Oil Conservation Division

Incident ID	NRM2008543296
District RP	
Facility ID	
Application ID	6J32E-200323-C-1410

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: Rebecca Pons Title: Project Manager

Signature: Rebecca Pons Digital signed by Rebecca Pons
DN: cn=Rebecca Pons, o=Talon LPE, ou=Artesia,
email=Rpons@talonlpe.com, c=US
Date: 2020.07.29 10:45:01 -0500 Date: 07/27/20

email: Rpons@talonlpe.com Telephone: 575-441-0980

OCD Only

Received by: _____ Date: _____

Incident ID	NRM2008543296
District RP	
Facility ID	
Application ID	6J32E-200323-C-1410

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: Rebecca Pons Title: Project Manager
Signature: Rebecca Pons Date: 07/27/20
email: Rpons@talonlpe.com Telephone: 575-441-0980

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____



APPENDIX V

LABORATORY DATA



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

April 29, 2020

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

RE: Dorami 33 Fed 2H

OrderNo.: 2004995

Dear Rebecca Pons:

Hall Environmental Analysis Laboratory received 15 sample(s) on 4/23/2020 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,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2004995

Date Reported: 4/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-1 0-1'

Project: Dorami 33 Fed 2H

Collection Date: 4/22/2020 8:45:00 AM

Lab ID: 2004995-001

Matrix: SOIL

Received Date: 4/23/2020 9:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1600	60		mg/Kg	20	4/26/2020 3:34:36 PM	52088
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	4/24/2020 7:36:06 PM	52050
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/24/2020 7:36:06 PM	52050
Surr: DNOP	151	55.1-146	S	%Rec	1	4/24/2020 7:36:06 PM	52050
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/24/2020 9:34:55 PM	52046
Surr: BFB	106	66.6-105	S	%Rec	1	4/24/2020 9:34:55 PM	52046
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	4/24/2020 9:34:55 PM	52046
Toluene	ND	0.048		mg/Kg	1	4/24/2020 9:34:55 PM	52046
Ethylbenzene	ND	0.048		mg/Kg	1	4/24/2020 9:34:55 PM	52046
Xylenes, Total	ND	0.096		mg/Kg	1	4/24/2020 9:34:55 PM	52046
Surr: 4-Bromofluorobenzene	105	80-120		%Rec	1	4/24/2020 9:34:55 PM	52046

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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order 2004995

Date Reported: 4/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-1 2'

Project: Dorami 33 Fed 2H

Collection Date: 4/22/2020 8:46:00 AM

Lab ID: 2004995-002

Matrix: SOIL

Received Date: 4/23/2020 9:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	4/26/2020 4:36:18 PM	52089
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/24/2020 8:00:56 PM	52050
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/24/2020 8:00:56 PM	52050
Surr: DNOP	112	55.1-146		%Rec	1	4/24/2020 8:00:56 PM	52050
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/24/2020 10:46:17 PM	52046
Surr: BFB	104	66.6-105		%Rec	1	4/24/2020 10:46:17 PM	52046
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	4/24/2020 10:46:17 PM	52046
Toluene	ND	0.050		mg/Kg	1	4/24/2020 10:46:17 PM	52046
Ethylbenzene	ND	0.050		mg/Kg	1	4/24/2020 10:46:17 PM	52046
Xylenes, Total	ND	0.099		mg/Kg	1	4/24/2020 10:46:17 PM	52046
Surr: 4-Bromofluorobenzene	103	80-120		%Rec	1	4/24/2020 10:46:17 PM	52046

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 Quantitative Limit	RL	Reporting Limit
	S		% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order 2004995

Date Reported: 4/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-1 3'

Project: Dorami 33 Fed 2H

Collection Date: 4/22/2020 8:47:00 AM

Lab ID: 2004995-003

Matrix: SOIL

Received Date: 4/23/2020 9:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	4/26/2020 4:48:38 PM	52089
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	4/28/2020 1:07:18 PM	52131
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/28/2020 1:07:18 PM	52131
Surr: DNOP	78.9	55.1-146		%Rec	1	4/28/2020 1:07:18 PM	52131
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/24/2020 11:57:13 PM	52046
Surr: BFB	103	66.6-105		%Rec	1	4/24/2020 11:57:13 PM	52046
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	4/24/2020 11:57:13 PM	52046
Toluene	ND	0.048		mg/Kg	1	4/24/2020 11:57:13 PM	52046
Ethylbenzene	ND	0.048		mg/Kg	1	4/24/2020 11:57:13 PM	52046
Xylenes, Total	ND	0.097		mg/Kg	1	4/24/2020 11:57:13 PM	52046
Surr: 4-Bromofluorobenzene	102	80-120		%Rec	1	4/24/2020 11:57:13 PM	52046

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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order 2004995

Date Reported: 4/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-1 4'

Project: Dorami 33 Fed 2H

Collection Date: 4/22/2020 8:48:00 AM

Lab ID: 2004995-004

Matrix: SOIL

Received Date: 4/23/2020 9:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	4/26/2020 5:25:41 PM	52089
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	4/24/2020 8:50:07 PM	52050
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/24/2020 8:50:07 PM	52050
Surr: DNOP	121	55.1-146		%Rec	1	4/24/2020 8:50:07 PM	52050
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	4/25/2020 12:20:59 AM	52046
Surr: BFB	102	66.6-105		%Rec	1	4/25/2020 12:20:59 AM	52046
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	4/25/2020 12:20:59 AM	52046
Toluene	ND	0.046		mg/Kg	1	4/25/2020 12:20:59 AM	52046
Ethylbenzene	ND	0.046		mg/Kg	1	4/25/2020 12:20:59 AM	52046
Xylenes, Total	ND	0.093		mg/Kg	1	4/25/2020 12:20:59 AM	52046
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	1	4/25/2020 12:20:59 AM	52046

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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order 2004995

Date Reported: 4/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-2 0-1'

Project: Dorami 33 Fed 2H

Collection Date: 4/22/2020 9:35:00 AM

Lab ID: 2004995-005

Matrix: SOIL

Received Date: 4/23/2020 9:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	370	60		mg/Kg	20	4/26/2020 5:38:02 PM	52089
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/24/2020 9:14:39 PM	52050
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/24/2020 9:14:39 PM	52050
Surr: DNOP	119	55.1-146		%Rec	1	4/24/2020 9:14:39 PM	52050
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/25/2020 12:44:48 AM	52046
Surr: BFB	104	66.6-105		%Rec	1	4/25/2020 12:44:48 AM	52046
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	4/25/2020 12:44:48 AM	52046
Toluene	ND	0.048		mg/Kg	1	4/25/2020 12:44:48 AM	52046
Ethylbenzene	ND	0.048		mg/Kg	1	4/25/2020 12:44:48 AM	52046
Xylenes, Total	ND	0.095		mg/Kg	1	4/25/2020 12:44:48 AM	52046
Surr: 4-Bromofluorobenzene	102	80-120		%Rec	1	4/25/2020 12:44:48 AM	52046

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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order 2004995

Date Reported: 4/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-2 2'

Project: Dorami 33 Fed 2H

Collection Date: 4/22/2020 9:36:00 AM

Lab ID: 2004995-006

Matrix: SOIL

Received Date: 4/23/2020 9:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	4/26/2020 5:50:22 PM	52089
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	4/24/2020 9:16:42 AM	52053
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/24/2020 9:16:42 AM	52053
Surr: DNOP	125	55.1-146		%Rec	1	4/24/2020 9:16:42 AM	52053
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/25/2020 1:08:37 AM	52046
Surr: BFB	105	66.6-105		%Rec	1	4/25/2020 1:08:37 AM	52046
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	4/25/2020 1:08:37 AM	52046
Toluene	ND	0.047		mg/Kg	1	4/25/2020 1:08:37 AM	52046
Ethylbenzene	ND	0.047		mg/Kg	1	4/25/2020 1:08:37 AM	52046
Xylenes, Total	ND	0.094		mg/Kg	1	4/25/2020 1:08:37 AM	52046
Surr: 4-Bromofluorobenzene	103	80-120		%Rec	1	4/25/2020 1:08:37 AM	52046

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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order 2004995

Date Reported: 4/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-2 3'

Project: Dorami 33 Fed 2H

Collection Date: 4/22/2020 9:37:00 AM

Lab ID: 2004995-007

Matrix: SOIL

Received Date: 4/23/2020 9:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	4/26/2020 6:02:44 PM	52089
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/24/2020 1:07:11 PM	52053
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/24/2020 1:07:11 PM	52053
Surr: DNOP	97.2	55.1-146		%Rec	1	4/24/2020 1:07:11 PM	52053
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/25/2020 2:43:53 AM	52046
Surr: BFB	106	66.6-105	S	%Rec	1	4/25/2020 2:43:53 AM	52046
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	4/25/2020 2:43:53 AM	52046
Toluene	ND	0.048		mg/Kg	1	4/25/2020 2:43:53 AM	52046
Ethylbenzene	ND	0.048		mg/Kg	1	4/25/2020 2:43:53 AM	52046
Xylenes, Total	ND	0.097		mg/Kg	1	4/25/2020 2:43:53 AM	52046
Surr: 4-Bromofluorobenzene	104	80-120		%Rec	1	4/25/2020 2:43:53 AM	52046

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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order 2004995

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 4/29/2020

CLIENT: Talon Artesia

Client Sample ID: B-2 4'

Project: Dorami 33 Fed 2H

Collection Date: 4/22/2020 9:38:00 AM

Lab ID: 2004995-008

Matrix: SOIL

Received Date: 4/23/2020 9:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	4/26/2020 6:15:04 PM	52089
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	4/27/2020 2:53:54 PM	52053
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/27/2020 2:53:54 PM	52053
Surr: DNOP	68.9	55.1-146		%Rec	1	4/27/2020 2:53:54 PM	52053
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/25/2020 3:07:36 AM	52046
Surr: BFB	104	66.6-105		%Rec	1	4/25/2020 3:07:36 AM	52046
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	4/25/2020 3:07:36 AM	52046
Toluene	ND	0.047		mg/Kg	1	4/25/2020 3:07:36 AM	52046
Ethylbenzene	ND	0.047		mg/Kg	1	4/25/2020 3:07:36 AM	52046
Xylenes, Total	ND	0.095		mg/Kg	1	4/25/2020 3:07:36 AM	52046
Surr: 4-Bromofluorobenzene	103	80-120		%Rec	1	4/25/2020 3:07:36 AM	52046

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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order 2004995

Date Reported: 4/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-3 0-1'

Project: Dorami 33 Fed 2H

Collection Date: 4/22/2020 9:52:00 AM

Lab ID: 2004995-009

Matrix: SOIL

Received Date: 4/23/2020 9:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	2000	60		mg/Kg	20	4/26/2020 6:27:25 PM	52089
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	4/24/2020 1:55:19 PM	52053
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/24/2020 1:55:19 PM	52053
Surr: DNOP	71.6	55.1-146		%Rec	1	4/24/2020 1:55:19 PM	52053
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	4/25/2020 3:31:22 AM	52046
Surr: BFB	103	66.6-105		%Rec	1	4/25/2020 3:31:22 AM	52046
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	4/25/2020 3:31:22 AM	52046
Toluene	ND	0.046		mg/Kg	1	4/25/2020 3:31:22 AM	52046
Ethylbenzene	ND	0.046		mg/Kg	1	4/25/2020 3:31:22 AM	52046
Xylenes, Total	ND	0.093		mg/Kg	1	4/25/2020 3:31:22 AM	52046
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	1	4/25/2020 3:31:22 AM	52046

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 Quantitative Limit	RL Reporting Limit
	S	% Recovery outside of range due to dilution or matrix	

Analytical Report

Lab Order 2004995

Date Reported: 4/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-3 2'

Project: Dorami 33 Fed 2H

Collection Date: 4/22/2020 9:53:00 AM

Lab ID: 2004995-010

Matrix: SOIL

Received Date: 4/23/2020 9:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	61	60		mg/Kg	20	4/26/2020 6:39:44 PM	52089
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	4/24/2020 2:19:27 PM	52053
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/24/2020 2:19:27 PM	52053
Surr: DNOP	104	55.1-146		%Rec	1	4/24/2020 2:19:27 PM	52053
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/25/2020 3:55:02 AM	52046
Surr: BFB	104	66.6-105		%Rec	1	4/25/2020 3:55:02 AM	52046
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	4/25/2020 3:55:02 AM	52046
Toluene	ND	0.049		mg/Kg	1	4/25/2020 3:55:02 AM	52046
Ethylbenzene	ND	0.049		mg/Kg	1	4/25/2020 3:55:02 AM	52046
Xylenes, Total	ND	0.098		mg/Kg	1	4/25/2020 3:55:02 AM	52046
Surr: 4-Bromofluorobenzene	102	80-120		%Rec	1	4/25/2020 3:55:02 AM	52046

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 Quantitative Limit	RL Reporting Limit
	S	% Recovery outside of range due to dilution or matrix	

Page 10 of 20

Analytical Report

Lab Order 2004995

Date Reported: 4/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-3 3'

Project: Dorami 33 Fed 2H

Collection Date: 4/22/2020 9:54:00 AM

Lab ID: 2004995-011

Matrix: SOIL

Received Date: 4/23/2020 9:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	4/26/2020 6:52:05 PM	52089
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	4/24/2020 3:07:26 PM	52053
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/24/2020 3:07:26 PM	52053
Surr: DNOP	63.5	55.1-146		%Rec	1	4/24/2020 3:07:26 PM	52053
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/25/2020 4:18:46 AM	52046
Surr: BFB	103	66.6-105		%Rec	1	4/25/2020 4:18:46 AM	52046
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	4/25/2020 4:18:46 AM	52046
Toluene	ND	0.049		mg/Kg	1	4/25/2020 4:18:46 AM	52046
Ethylbenzene	ND	0.049		mg/Kg	1	4/25/2020 4:18:46 AM	52046
Xylenes, Total	ND	0.098		mg/Kg	1	4/25/2020 4:18:46 AM	52046
Surr: 4-Bromofluorobenzene	102	80-120		%Rec	1	4/25/2020 4:18:46 AM	52046

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 Quantitative Limit	RL Reporting Limit
	S	% Recovery outside of range due to dilution or matrix	

Page 11 of 20

Analytical Report

Lab Order 2004995

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 4/29/2020

CLIENT: Talon Artesia

Client Sample ID: B-3 4'

Project: Dorami 33 Fed 2H

Collection Date: 4/22/2020 9:55:00 AM

Lab ID: 2004995-012

Matrix: SOIL

Received Date: 4/23/2020 9:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	4/26/2020 7:04:27 PM	52089
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/27/2020 3:18:04 PM	52053
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/27/2020 3:18:04 PM	52053
Surr: DNOP	77.1	55.1-146		%Rec	1	4/27/2020 3:18:04 PM	52053
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/25/2020 4:42:26 AM	52046
Surr: BFB	103	66.6-105		%Rec	1	4/25/2020 4:42:26 AM	52046
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	4/25/2020 4:42:26 AM	52046
Toluene	ND	0.049		mg/Kg	1	4/25/2020 4:42:26 AM	52046
Ethylbenzene	ND	0.049		mg/Kg	1	4/25/2020 4:42:26 AM	52046
Xylenes, Total	ND	0.098		mg/Kg	1	4/25/2020 4:42:26 AM	52046
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	1	4/25/2020 4:42:26 AM	52046

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 Quantitative Limit	RL Reporting Limit
	S	% Recovery outside of range due to dilution or matrix	

Page 12 of 20

Analytical Report
 Lab Order 2004995
 Date Reported: 4/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia Client Sample ID: S-1 0-1' R
 Project: Dorami 33 Fed 2H Collection Date: 4/22/2020 10:22:00 AM
 Lab ID: 2004995-013 Matrix: SOIL Received Date: 4/23/2020 9:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	4/26/2020 7:16:47 PM	52089
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	16	9.9		mg/Kg	1	4/27/2020 8:47:12 PM	52053
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/27/2020 8:47:12 PM	52053
Surr: DNOP	128	55.1-146		%Rec	1	4/27/2020 8:47:12 PM	52053
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/25/2020 5:06:03 AM	52046
Surr: BFB	102	66.6-105		%Rec	1	4/25/2020 5:06:03 AM	52046
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	4/25/2020 5:06:03 AM	52046
Toluene	ND	0.050		mg/Kg	1	4/25/2020 5:06:03 AM	52046
Ethylbenzene	ND	0.050		mg/Kg	1	4/25/2020 5:06:03 AM	52046
Xylenes, Total	ND	0.099		mg/Kg	1	4/25/2020 5:06:03 AM	52046
Surr: 4-Bromofluorobenzene	99.8	80-120		%Rec	1	4/25/2020 5:06:03 AM	52046

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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order 2004995

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 4/29/2020

CLIENT: Talon Artesia

Client Sample ID: S-2 0-1' R

Project: Dorami 33 Fed 2H

Collection Date: 4/22/2020 10:26:00 AM

Lab ID: 2004995-014

Matrix: SOIL

Received Date: 4/23/2020 9:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	270	60		mg/Kg	20	4/26/2020 7:53:50 PM	52089
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/24/2020 4:19:29 PM	52053
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/24/2020 4:19:29 PM	52053
Surr: DNOP	44.2	55.1-146	S	%Rec	1	4/24/2020 4:19:29 PM	52053
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/25/2020 5:29:25 AM	52046
Surr: BFB	100	66.6-105		%Rec	1	4/25/2020 5:29:25 AM	52046
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	4/25/2020 5:29:25 AM	52046
Toluene	ND	0.049		mg/Kg	1	4/25/2020 5:29:25 AM	52046
Ethylbenzene	ND	0.049		mg/Kg	1	4/25/2020 5:29:25 AM	52046
Xylenes, Total	ND	0.097		mg/Kg	1	4/25/2020 5:29:25 AM	52046
Surr: 4-Bromofluorobenzene	99.7	80-120		%Rec	1	4/25/2020 5:29:25 AM	52046

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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order 2004995

Date Reported: 4/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-3 0-1' R

Project: Dorami 33 Fed 2H

Collection Date: 4/22/2020 10:30:00 AM

Lab ID: 2004995-015

Matrix: SOIL

Received Date: 4/23/2020 9:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	4/26/2020 8:06:09 PM	52089
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	1700	97		mg/Kg	10	4/27/2020 9:11:32 PM	52053
Motor Oil Range Organics (MRO)	ND	490	D	mg/Kg	10	4/27/2020 9:11:32 PM	52053
Surr: DNOP	0	55.1-146	S	%Rec	10	4/27/2020 9:11:32 PM	52053
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	9.2		mg/Kg	2	4/25/2020 5:52:54 AM	52046
Surr: BFB	105	66.6-105		%Rec	2	4/25/2020 5:52:54 AM	52046
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.046		mg/Kg	2	4/25/2020 5:52:54 AM	52046
Toluene	ND	0.092		mg/Kg	2	4/25/2020 5:52:54 AM	52046
Ethylbenzene	ND	0.092		mg/Kg	2	4/25/2020 5:52:54 AM	52046
Xylenes, Total	ND	0.18		mg/Kg	2	4/25/2020 5:52:54 AM	52046
Surr: 4-Bromofluorobenzene	99.4	80-120		%Rec	2	4/25/2020 5:52:54 AM	52046

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 Quantitative Limit	RL Reporting Limit
	S	% Recovery outside of range due to dilution or matrix	

Page 15 of 20

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2004995

29-Apr-20

Client: Talon Artesia
Project: Dorami 33 Fed 2H

Sample ID: MB-52088		SampType: mblk		TestCode: EPA Method 300.0: Anions						
Client ID: PBS		Batch ID: 52088		RunNo: 68426						
Prep Date: 4/26/2020		Analysis Date: 4/26/2020		SeqNo: 2367609		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-52088		SampType: lcs		TestCode: EPA Method 300.0: Anions						
Client ID: LCSS		Batch ID: 52088		RunNo: 68426						
Prep Date: 4/26/2020		Analysis Date: 4/26/2020		SeqNo: 2367610		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.1	90	110			

Sample ID: MB-52089		SampType: mblk		TestCode: EPA Method 300.0: Anions						
Client ID: PBS		Batch ID: 52089		RunNo: 68426						
Prep Date: 4/26/2020		Analysis Date: 4/26/2020		SeqNo: 2367641		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-52089		SampType: lcs			TestCode: EPA Method 300.0: Anions					
Client ID: LCSS		Batch ID: 52089			RunNo: 68426					
Prep Date: 4/26/2020		Analysis Date: 4/26/2020			SeqNo: 2367642		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.8	90	110			

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 Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of range due to dilution or matrix | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2004995

29-Apr-20

Client: Talon Artesia
Project: Dorami 33 Fed 2H

Sample ID: 2004995-006AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: B-2 2'	Batch ID: 52053	RunNo: 68388								
Prep Date: 4/23/2020	Analysis Date: 4/24/2020	SeqNo: 2366223 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	9.7	48.50	3.171	95.2	47.4	136			
Surr: DNOP	5.3		4.850		109	55.1	146			

Sample ID: 2004995-006AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: B-2 2'	Batch ID: 52053	RunNo: 68388								
Prep Date: 4/23/2020	Analysis Date: 4/24/2020	SeqNo: 2366224 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	9.3	46.38	3.171	88.1	47.4	136	11.3	43.4	
Surr: DNOP	4.6		4.638		98.5	55.1	146	0	0	

Sample ID: LCS-52050	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 52050	RunNo: 68358								
Prep Date: 4/23/2020	Analysis Date: 4/24/2020	SeqNo: 2366251 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	57	10	50.00	0	115	70	130			
Surr: DNOP	6.1		5.000		122	55.1	146			

Sample ID: MB-52050	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 52050	RunNo: 68358								
Prep Date: 4/23/2020	Analysis Date: 4/24/2020	SeqNo: 2366252 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	14		10.00		139	55.1	146			

Sample ID: MB-52053	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 52053	RunNo: 68394								
Prep Date: 4/23/2020	Analysis Date: 4/24/2020	SeqNo: 2366387 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		130	55.1	146			

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 Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of range due to dilution or matrix | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2004995

29-Apr-20

Client: Talon Artesia
 Project: Dorami 33 Fed 2H

Sample ID: MB-52057	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 52057	RunNo: 68394								
Prep Date: 4/23/2020	Analysis Date: 4/24/2020	SeqNo: 2366388 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	11		10.00		113	55.1	146			

Sample ID: LCS-52053	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 52053	RunNo: 68394								
Prep Date: 4/23/2020	Analysis Date: 4/24/2020	SeqNo: 2366389 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	64	10	50.00	0	128	70	130			
Surr: DNOP	6.4		5.000		129	55.1	146			

Sample ID: LCS-52057	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 52057	RunNo: 68394								
Prep Date: 4/23/2020	Analysis Date: 4/24/2020	SeqNo: 2366390 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	6.5		5.000		129	55.1	146			

Sample ID: LCS-52131	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 52131	RunNo: 68463								
Prep Date: 4/28/2020	Analysis Date: 4/28/2020	SeqNo: 2369456 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	94.2	70	130			
Surr: DNOP	4.2		5.000		84.2	55.1	146			

Sample ID: MB-52131	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 52131	RunNo: 68463								
Prep Date: 4/28/2020	Analysis Date: 4/28/2020	SeqNo: 2369457 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	9.0		10.00		90.2	55.1	146			

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 Quantitative 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#: 2004995

29-Apr-20

Client: Talon Artesia
Project: Dorami 33 Fed 2H

Sample ID: 2004995-002ams	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: B-1 2'	Batch ID: 52046	RunNo: 68396								
Prep Date: 4/23/2020	Analysis Date: 4/24/2020	SeqNo: 2366615 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	4.9	24.41	0	104	80	120			
Surr: BFB	1100		976.6		114	66.6	105			S

Sample ID: 2004995-002amsd		SampType: MSD		TestCode: EPA Method 8015D: Gasoline Range						
Client ID: B-1 2'		Batch ID: 52046		RunNo: 68396						
Prep Date: 4/23/2020		Analysis Date: 4/24/2020		SeqNo: 2366616		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	24.80	0	109	80	120	5.90	20	
Surr: BFB	1200		992.1		116	66.6	105	0	0	S

Sample ID: Ics-52046	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 52046		RunNo: 68396							
Prep Date: 4/23/2020	Analysis Date: 4/24/2020		SeqNo: 2366632		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	101	80	120			
Surr: BFB	1100		1000		113	66.6	105			S

Sample ID: mb-52046		SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS		Batch ID: 52046			RunNo: 68396						
Prep Date: 4/23/2020		Analysis Date: 4/24/2020			SeqNo: 2366633		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		103	66.6	105			

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 Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2004995

29-Apr-20

Client: Talon Artesia
Project: Dorami 33 Fed 2H

Sample ID: 2004995-001ams	SampType: MS			TestCode: EPA Method 8021B: Volatiles						
Client ID: B-1 0-1'	Batch ID: 52046			RunNo: 68396						
Prep Date: 4/23/2020	Analysis Date: 4/24/2020			SeqNo: 2366643			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.023	0.9372	0	97.0	78.5	119			
Toluene	0.97	0.047	0.9372	0	103	75.7	123			
Ethylbenzene	1.0	0.047	0.9372	0	106	74.3	126			
Xylenes, Total	3.0	0.094	2.812	0	107	72.9	130			
Surr: 4-Bromofluorobenzene	0.98		0.9372		105	80	120			

Sample ID: 2004995-001amsd		SampType: MSD			TestCode: EPA Method 8021B: Volatiles					
Client ID: B-1 0-1'		Batch ID: 52046			RunNo: 68396					
Prep Date: 4/23/2020		Analysis Date: 4/24/2020			SeqNo: 2366644		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	0.9891	0	89.5	78.5	119	2.66	20	
Toluene	0.94	0.049	0.9891	0	95.3	75.7	123	2.37	20	
Ethylbenzene	0.97	0.049	0.9891	0	97.6	74.3	126	3.11	20	
Xylenes, Total	2.9	0.099	2.967	0	98.3	72.9	130	2.87	20	
Surr: 4-Bromofluorobenzene	1.0		0.9891		104	80	120	0	0	

Sample ID: LCS-52046	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: 52046			RunNo: 68396						
Prep Date: 4/23/2020	Analysis Date: 4/24/2020			SeqNo: 2366661			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	1.000	0	87.8	80	120			
Toluene	0.90	0.050	1.000	0	90.0	80	120			
Ethylbenzene	0.92	0.050	1.000	0	92.5	80	120			
Xylenes, Total	2.8	0.10	3.000	0	92.6	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		103	80	120			

Sample ID: mb-52046	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 52046	RunNo: 68396								
Prep Date: 4/23/2020	Analysis Date: 4/24/2020	SeqNo: 2366662			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		102	80	120			

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 Quantitative 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
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: TALON ARTESIA

Work Order Number: 2004995

RcptNo: 1

Received By: Juan Rojas

4/23/2020 9:40:00 AM

Juan Rojas

Completed By: Isaiah Ortiz

4/23/2020 8:40:02 AM

I. Ortiz

Reviewed By: *LR*

4/23/20

Chain of Custody

1. Is Chain of Custody sufficiently 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 $>0^{\circ}\text{C}$ 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: *GM 4/23/20*

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 $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.2	Good	Not Present			
2	3.3	Good	Not Present			

Chain-of-Custody Record

Client: Talon LPE
 408 W Texas St
 Mailing Address: Artesia, NM 88210
 Phone #:
 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-day
☒ Standard ☐ Rush
 Project Name:
 Doriani 33 Fed 2H
 Project #:
 702604.002.01
 Project Manager:
 Rebecca Pons
 Sampler: Brandon Sinclair
 On Ice: ☒ Yes ☐ No
 # of Coolers: 2
 Cooler Temp (including CFI): 0.2-0.2

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No
7-22-20	08:45	soil	B-1 0-1'	4 oz jar	ice	-001
	08:46		B-1 2'			-002
	08:47		B-1 3'			-003
	08:48		B-1 4'			-004
	09:35		B-2 0-1'			-005
	09:36		B-2 2'			-006
	09:37		B-2 3'			-007
	09:38		B-2 4'			-008
	09:52		B-3 0-1'			-009
	09:53		B-3 2'			-010
	09:54		B-3 3'			-011
	09:55		B-3 4'			-012
Date:	Time:	Relinquished by:	Received by: Via: Date Time			
7/22/20	1400	[Signature]	[Signature] 7/22/20 1400			
Date:	Time:	Relinquished by:	Received by: Via: Date Time			
7/22/20	1900	[Signature]	[Signature] 7/22/20 1900			



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

TPH: 8015D (GRO / DRO / MRO)	8081 Pesticides/8082 PCBs	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)
<input checked="" type="checkbox"/> MTBE / TMBs (8021)								
<input checked="" type="checkbox"/> BTEX								

Remarks: Please cc the following via email:

Dadkins@talonpe.com

Rpons@talonpe.com

bsinclair@talonpe.com

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.

