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Remediation and Closure Report

Strawberry 7 Fed Com #004H

API# 30-015-37258, *2RP-2852, *2RP-4568, *2RP-5508, *2RP-5247

Talon Project # 700794.284.01

Prepared For:

Devon Energy Production Company
6488 Seven Rivers Highway
Artesia, NM 88210

Prepared By:

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

August 1, 2019

Mr. Mike Bratcher
NMOCD District 2
811 S. 1st Street
Artesia, NM 88210

Subject: **Site Assessment and Closure Report**
Strawberry 7 Fed Com #004H
API# 30-015-37258, 2RP-2852, 2RP-4568, 2RP-5508, 2RP-5247

Dear Mr. Bratcher,

Devon Energy Corporation (Devon) has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above-referenced location. The results of our site assessment, soil analysis and closure requests are contained herein.

Site Information

Strawberry 7 Fed Com #004H is located approximately thirty-two (32) miles southeast of Artesia, New Mexico. The legal location for this release is Unit Letter P, Section 7, Township 19 South and Range 31 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.6686211 North and -103.9012527 West. An impact area map is presented in [Appendix I](#).

According to the soil survey provided by the United States Department of Agriculture Natural Resources Conservation Service, the soil in this area is made up of Berino loamy fine sand, 0 to 3 percent slopes. Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology is Holocene to middle Pleistocene in age and is comprised of eolian and piedmont deposits. Drainage courses in this area are well-drained.

Ground Water and Site Ranking

The New Mexico State Engineer web site indicates that the nearest groundwater is 180' below ground surface (BGS). See [Appendix II](#) for the referenced groundwater data.

Depth to groundwater	>100'
Wellhead Protection Area	>1000'
Distance to surface water body	>1000'

The NMOCD Table 1 Closure Criteria for Soils Impacted by a release, 19.15.29.12 NMAC, for this project are 50 mg/kg for BTEX, 10 mg/kg for Benzene, 2,500 mg/kg for TPH and 20,000 mg/kg for Total Chlorides.

Incident Descriptions

On February 29, 2014, the night lease operator dispatched Black River Trucking to pull a load of produced water from a frac tank. The driver left the frac tank load line valve open releasing 6 bbls of produced water onto location. Black River Trucking was able to recover 3 bbls (2RP-2852).

On December 27, 2017, a threaded 90-degree connection on a produced water flowline corroded causing a release. The flowline was isolated and wells were shut in to prevent any further release. The flowline was repaired. The release was approximately 11 bbls of produced water. All released fluids remained inside the lined SPCC containment ring. A vacuum truck was dispatched and the approximated 11 bbls of produced water were recovered. Once the fluids were removed the liner was visually inspected by Devon field staff for any pinholes or punctures and none were found. Based on this inspection, there is no evidence that the spilled fluids left containment (2RP-4568).

On December 3, 2018, the produced water tanks overflowed releasing 42 bbls of produced water inside the lined containment. A vacuum truck was dispatched and recovered 42 bbls of produced water (2RP-5508).

On January 29, 2019, a produced water release occurred due to overflow from the top of the tank hatch releasing 16.61 bbls. The released fluids remained inside the lined containment. A vacuum truck was dispatched and recovered 16.61 bbls (2RP-5247).

The Initial C-141's filed by Devon Energy are attached for reference in [Appendix III](#).

Site Assessment

On April 10, 2019, Talon mobilized personnel to begin the site assessment and soil sampling activities for the construction of a work plan. Grab soil samples were collected outside the containment area utilizing a hand auger. A visual liner inspection was also conducted finding no noticeable breach in the liner. Three of the four open RP's for this site (2RP-4568, 2RP-5508, 2RP-5247) involves releases into this lined containment. Photographic documentation is provided in [Appendix V](#). Results from our initial sampling event are presented in the following data table. A complete laboratory report can be found in [Appendix VI](#).

4-11-19 Soil Samples

Sample ID	Depth (ft.)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
NMOCD RRAL's		50 mg/kg	10 mg/kg	DRO + GRO combined = 1000 mg/kg			2500 mg/kg	20,000 mg/kg
BG	0	ND	ND	ND	ND	ND	0	80
S-1	0	ND	ND	ND	ND	ND	0	9120
	1	ND	ND	ND	ND	ND	0	4000
S-2	0	ND	ND	ND	10.7	ND	10.7	864
	1	ND	ND	ND	ND	ND	0	304
S-3	0	ND	ND	ND	ND	ND	0	576
S-4	0	ND	ND	ND	ND	ND	0	208
	1	ND	ND	ND	ND	ND	0	112

“ND” = Not Detected

On July 10, 2019, Talon returned to the site to conduct boring samples of the location. This portion of our investigation was undertaken to address the produced water release onto the location (2RP-2852). A grid sampling pattern for the borings was conducted in twelve (12) areas. Results from the sampling event are presented in the following data table. See **Appendix VI** for the complete laboratory report.

7-10-19 Geoprobe Boring Samples

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 combined = 1000 mg/kg			2500 mg/kg	20,000 mg/kg
B-1	7/10/2019	0-1	ND	ND	ND	ND	ND	ND	ND
		2	ND	ND	ND	ND	ND	ND	ND
		3							ND
B-2	7/10/2019	0-1	ND	ND	ND	ND	ND	ND	78
		2	ND	ND	ND	ND	ND	ND	74
		3							ND
B-3	7/10/2019	0-1	ND	ND	ND	ND	ND	ND	370
		2	ND	ND	ND	ND	ND	ND	75
		3							ND
B-4	7/10/2019	0-1	ND	ND	ND	ND	ND	ND	430
		2	ND	ND	ND	ND	ND	ND	ND
		3							ND
B-5	7/10/2019	0-1	ND	ND	ND	ND	ND	ND	91
		2	ND	ND	ND	ND	ND	ND	ND
		3							73
B-6	7/10/2019	0-1	ND	ND	ND	ND	ND	ND	ND
		2	ND	ND	ND	ND	ND	ND	86
		3							91
B-7	7/10/2019	0-1	ND	ND	ND	ND	ND	ND	1500
		2	ND	ND	ND	ND	ND	ND	240
		3							ND
B-8	7/10/2019	0-1	ND	ND	ND	36	76	112	240
		2	ND	ND	ND	ND	ND	ND	110
		3							64
B-9	7/10/2019	0-1	ND	ND	ND	ND	ND	ND	2000
		2	ND	ND	ND	ND	ND	ND	510
		3							290
B-10	7/10/2019	0-1	ND	ND	ND	ND	ND	ND	460
		2	ND	ND	ND	ND	ND	ND	170
		3							68
B-11	7/10/2019	0-1	ND	ND	ND	ND	ND	ND	600
		2	ND	ND	ND	ND	ND	ND	300
		3							150
B-12	7/10/2019	0-1	ND	ND	ND	ND	ND	ND	ND
		2	ND	ND	ND	ND	ND	ND	ND
		3							74

“ND” = Not Detected

Remedial Actions

The stained area on the south side of the battery was hand excavated and subsequently sampled (S-3).


Closure

Based on this site characterization and analytical results, we request that no further actions be required and that closure with regard to all attached incidents 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



Chris Jones
Project Manager



David J Adkins
District Manager

Attachments:

- Appendix I Impact Area Map, Krast Map, TOPO Map & Locator Map
- Appendix II Soil Survey, Groundwater Data & FEMA Flood Zone
- Appendix III Initial C-141's
- Appendix IV Final C-141's
- Appendix V Photographic Documentation
- Appendix VI Laboratory Data



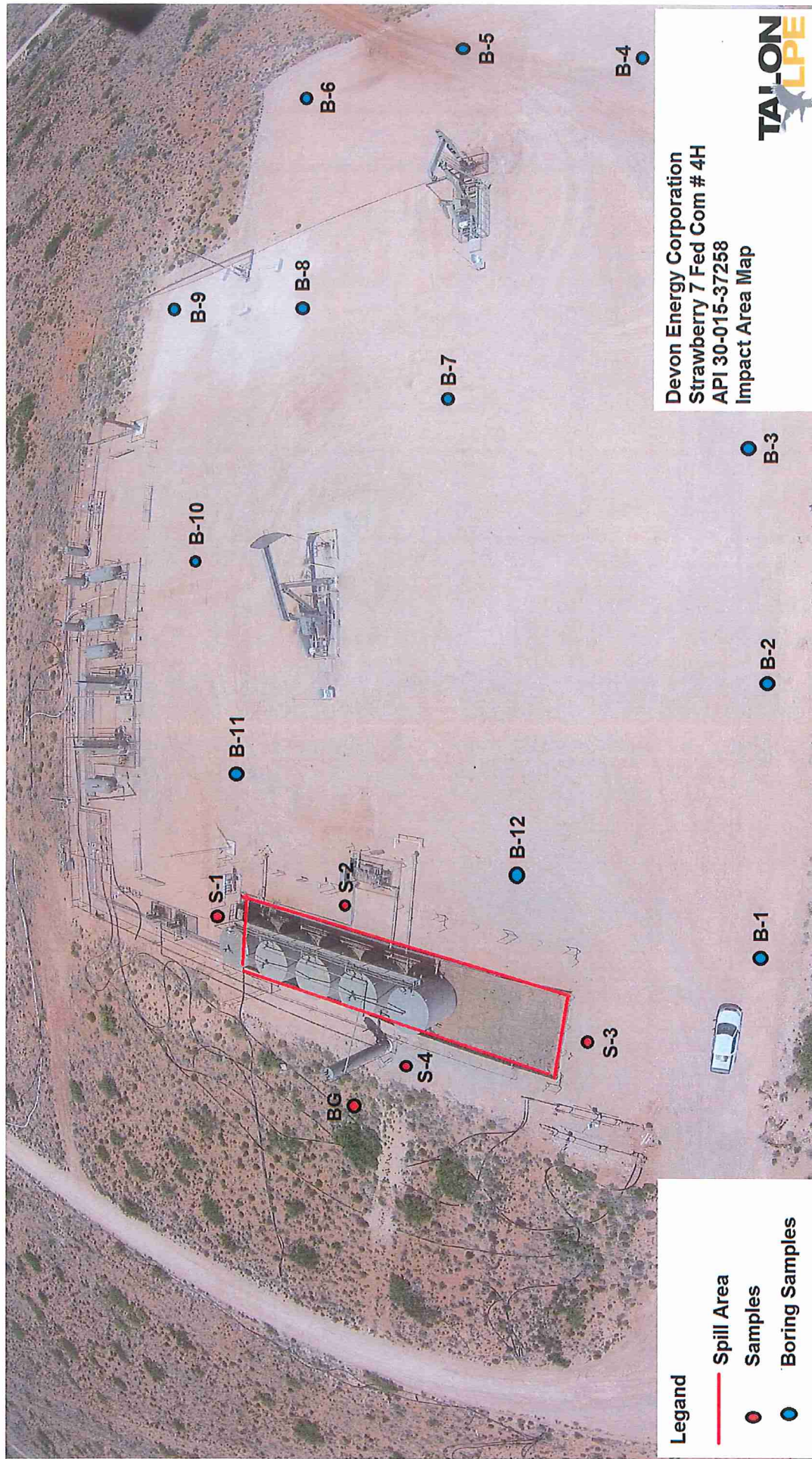
APPENDIX I

IMPACT AREA MAP

KARST MAP

TOPO MAP

LOCATOR MAP



Strawberry 7 Fed Com 4H

Devon Energy Production Company
Eddy County, NM
API# 30-015-37258
Karst Potential Map

- Legend**
- High
 - Low
 - Medium

Strawberry 7 Fed Com 4H



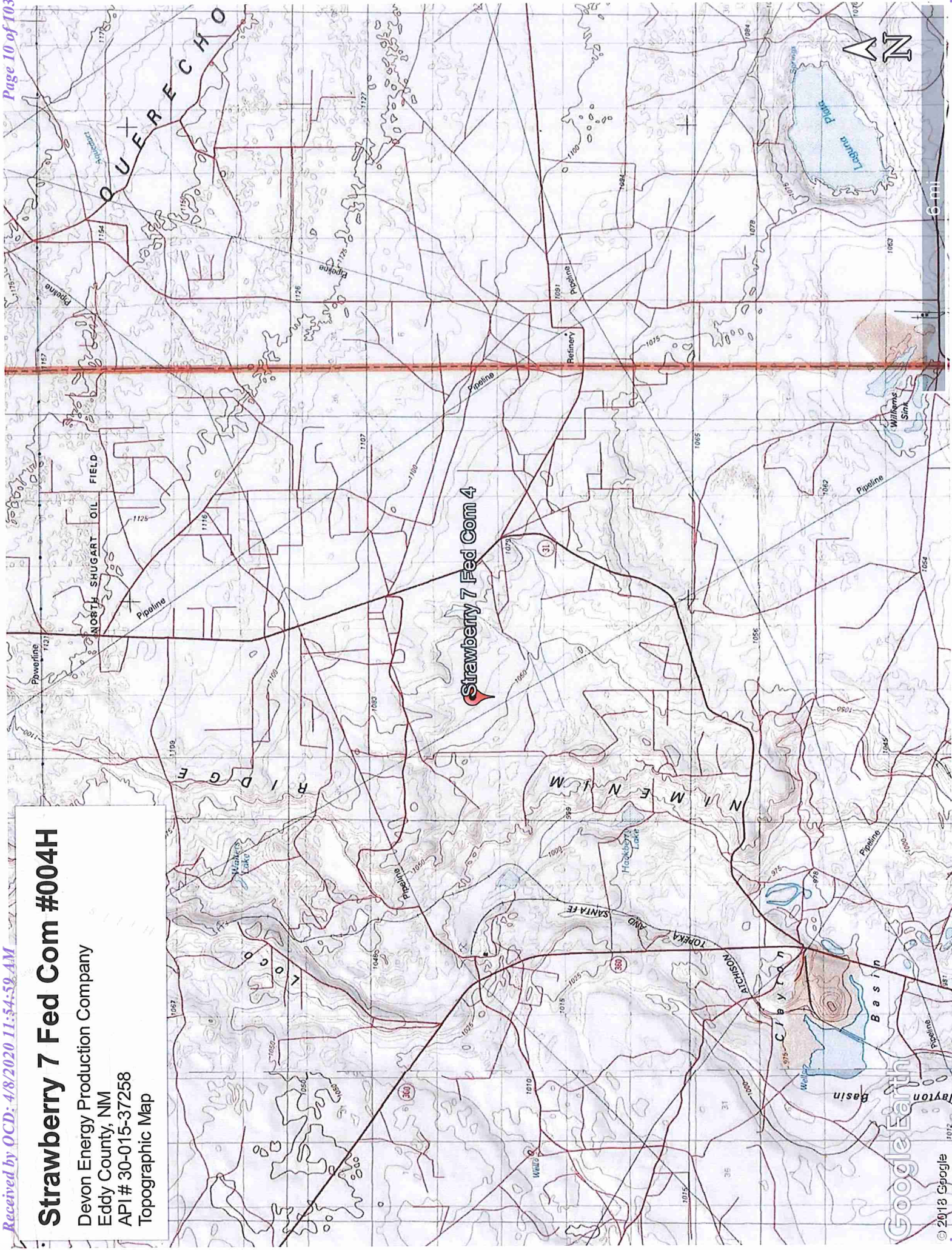
3000 ft

Google Earth

© 2018 Google

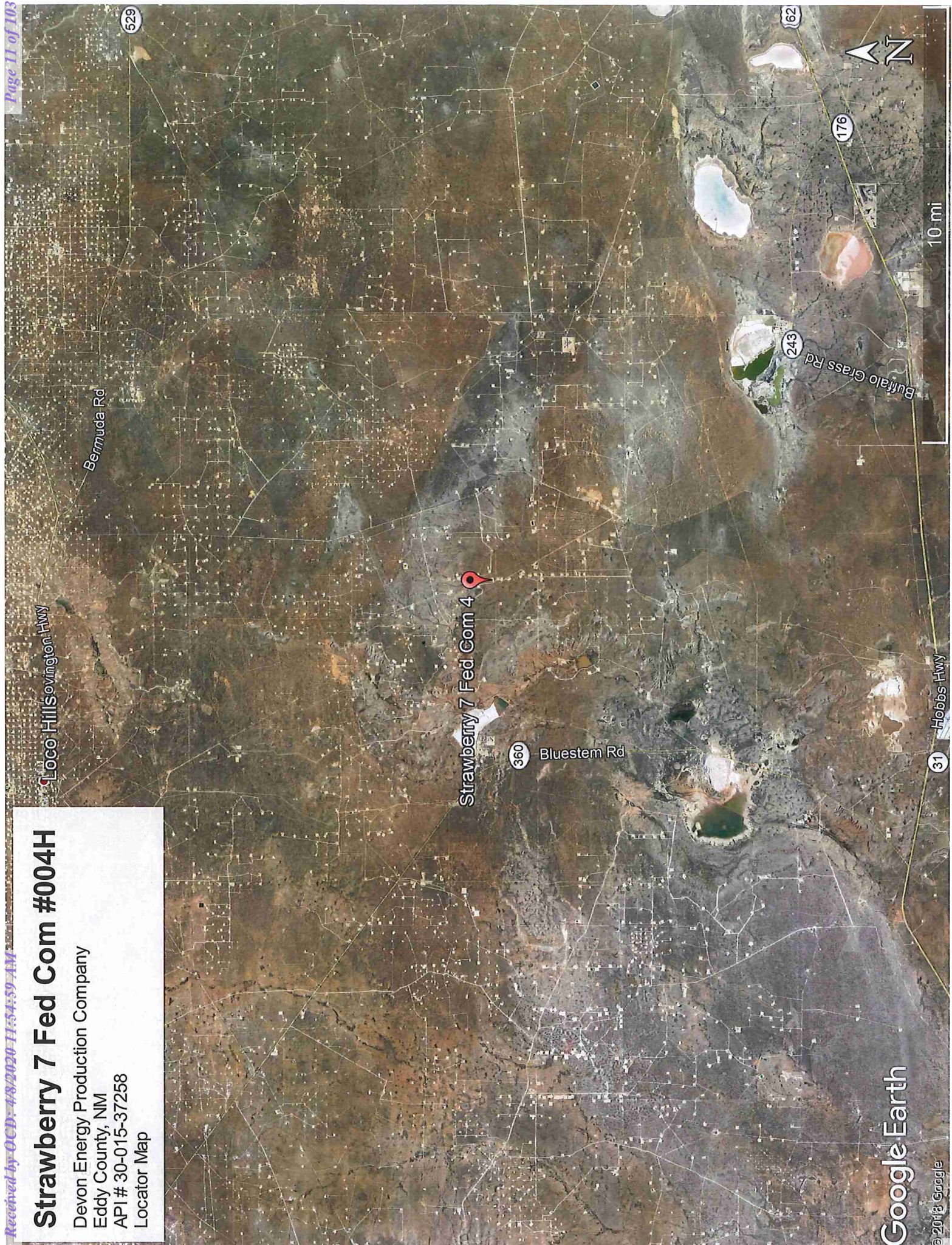
Eddy County, NM

Topographic Map



Strawberry 7 Fed Com #004H

Devon Energy Production Company
Eddy County, NM
API # 30-015-37258
Locator Map





APPENDIX II

SOIL SURVEY

GROUNDWATER DATA

FEMA FLOOD ZONE

Eddy Area, New Mexico

BA—Berino loamy fine sand, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w42

Elevation: 2,000 to 5,700 feet

Mean annual precipitation: 6 to 14 inches

Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 180 to 260 days

Farmland classification: Not prime farmland

Map Unit Composition

Berino and similar soils: 100 percent

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

Description of Berino

Setting

Landform: Fan piedmonts, plains

Landform position (three-dimensional): Riser

Down-slope shape: Convex

Across-slope shape: Linear

Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 12 inches: loamy fine sand

H2 - 12 to 58 inches: sandy clay loam

H3 - 58 to 60 inches: clay 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 slightly saline
(2.0 to 4.0 mmhos/cm)

Sodium adsorption ratio, maximum in profile: 1.0

Available water storage in profile: Moderate (about 8.4 inches)

Interpretive groups

Land capability classification (irrigated): 3e

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: B

Ecological site: Loamy (R042XC007NM)

Map Unit Description: Berino loamy fine sand, 0 to 3 percent slopes---Eddy Area, New Mexico

Hydric soil rating: No

Minor Components

Pajarito

Percent of map unit:

Ecological site: Loamy Sand (R042XC003NM)

Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 14, Sep 12, 2018






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	Sub-basin	County	Q	Q	Q	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Column
CP 00873 POD1	CP	LE		1	1	19	19S	31E		601772	3613147* 	2306	340	180	160
													Average Depth to Water:	180 feet	
													Minimum Depth:	180 feet	
													Maximum Depth:	180 feet	

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 603025 Northing (Y): 3615084 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.

National Flood Hazard Layer FIRMette



32°40'22.18"N



USGS The National Map: Orthoimagery. Data refreshed October, 2017.



32°39'51.89"N

103°53'45.78"W

Legend

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

Without Base Flood Elevation (BFE)
Zone A, V, A99

With BFE or Depth *Zone AE, AO, AH, VE, AR*

Regulatory Floodway

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

Future Conditions 1% Annual Chance Flood Hazard *Zone X*

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

Area with Flood Risk due to Levee *Zone D*

NO SCREEN

Area of Minimal Flood Hazard *Zone X*

Effective LOMRs

Area of Undetermined Flood Hazard *Zone X*

Channel, Culvert, or Storm Sewer Levee, Dike, or Floodwall

Cross Sections with 1% Annual Chance Water Surface Elevation

Coastal Transect

Base Flood Elevation Line (BFE)

Limit of Study

Jurisdiction Boundary

Coastal Transect Baseline

Profile Baseline

Hydrographic Feature

Digital Data Available

No Digital Data Available

Unmapped

Other Areas

GENERAL STRUCTURES

OTHER FEATURES

MAP PANELS

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 4/10/2019 at 12:28:53 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



APPENDIX III

INITIAL C-141

NM OIL CONSERVATION

ARTESIA DISTRICT

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

MAR 03 2015

Form C-141
Revised August 8, 2011Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

RECEIVED

Release Notification and Corrective Action

NAB1506434756

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Devon Energy Production	Contact Rudy Suniga
Address PO Box 250 Artesia NM 88211	Telephone No. 575-390-5435
Facility Name Strawberry 7 Fed Com #4	Facility Type Oil

Surface Owner BLM	Mineral Owner Federal	API No. 30-015-37258
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LOCATION OF RELEASE

Unit Letter P	Section 7	Township 19S	Range 31E	Feet from the 340	North/South Line South	Feet from the 340	East/West Line East	County Eddy
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Latitude: N 32°40'49.11"

Longitude: W 103°54'53.19"

NATURE OF RELEASE

Type of Release Spill Produced Water	Volume of Release 6 bbls	Volume Recovered 3 bbls
Source of Release Frac tank load line valve was left open	Date and Hour of Occurrence December 29, 2014 12:00 am	Date and Hour of Discovery December 29, 2014 12:00 am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Hubert Perry-Night Foreman/Ray Carter-Assistant Foreman/Scott Poe-EHS/OCD-voicemail/BLM-voicemail	
By Whom? Roy Ponce	Date and Hour December 29, 2014 12:00 am	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

The night lease operator was called out to location by Black River Trucking employee. The previous Black River employee that had been out there left open the frac tank load line valve open. 6 barrels of produced water spilled on the location. 3 barrels of the produced water was recovered by Black River Trucking.

Describe Area Affected and Cleanup Action Taken.*

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: Corina Moya

Printed Name: Corina Moya

Title: Field Admin Support

E-mail Address: corina.moya@dva.com

Date: December 29, 2014

Phone: 575.746.5559

OIL CONSERVATION DIVISION

Approved by Environmental Specialist:

Approval Date: 3/5/15

Expiration Date: N/A

Conditions of Approval:

Attached ☐

Remediation per O.C.D. Rules & Guidelines

EMIT REMEDIATION PROPOSAL NO

LATER THAN: 4/5/15

2RP-2852

* Attach Additional Sheets If Necessary

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

U.S. OIL CONSERVATION
State of New Mexico ARTESIA DISTRICT
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

JAN 10 2018

Form C-141
Revised April 3, 2017

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

RECEIVED

Release Notification and Corrective Action

Initial only
☒ Initial Report ☒ Final Report

NAB1801757352

OPERATOR	
Name of Company <i>Devon Energy Production Company</i> <i>4/13/17</i>	Contact <i>Leonard Aguilar</i>
Address <i>6488 Seven Rivers Hwy Artesia, NM 88210</i>	Telephone No. <i>575-513-1930</i>
Facility Name <i>Strawberry 7 Fed Com 4H</i>	Facility Type <i>Oil</i>

Surface Owner <i>Federal</i>	Mineral Owner <i>Federal</i>	API No. <i>30-015-37258</i>
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LOCATION OF RELEASE

Unit Letter P	Section 07	Township 19S	Range 31E	Feet from the	North/South Line	Feet from the	East/West Line	County EDDY
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Latitude *32.66867* **Longitude** *103.90169* **NAD83**

NATURE OF RELEASE

Type of Release <i>Produced Water</i>	Volume of Release <i>11 BBLS</i>	Volume Recovered <i>11 BBLS</i>
Source of Release <i>Produced Water Flowline</i>	Date and Hour of Occurrence <i>December 27, 2017 9:01 AM MST</i>	Date and Hour of Discovery <i>December 27, 2017 9:01 AM MST</i>
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? <i>BLM-Shelly Tucker OCD-Mike Bratcher & Crystal Weaver</i>	
By Whom? <i>Leonard Aguilar-Assistant Foreman</i>	Date and Hour BLM & OCD <i>December 27, 2017 4:18 PM MST</i>	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. <i>N/A</i>	

If a Watercourse was Impacted, Describe Fully.*
N/A

Describe Cause of Problem and Remedial Action Taken.*

The threaded 90 on a produced water flowline corroded causing the release. The flowline was isolated and wells were shut in to prevent any further release. The flowline was repaired.

Describe Area Affected and Cleanup Action Taken.*

Approximately 11 BBLS of produced water was released from the produced water flowline. All released fluids remained inside the lined SPCC containment ring. A vacuum truck was dispatched and approximately 11 BBLS of produced water was recovered. The approximate affected area is 25ft x 45ft. Once fluids were removed the liner was visually inspected by Devon field staff for any pinholes or punctures and none were found. Based on this inspection there is no evidence that the spill fluids left containment.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

OIL CONSERVATION DIVISION

Signature: <i>Jennifer Reyna</i>	Approved by Environmental Specialist: <i>Crystal W</i>	
Printed Name: <i>Jennifer Reyna</i>	Approval Date: <i>1/16/18</i>	Expiration Date: <i>N/A</i>
Title: <i>Field Admin Support</i>	Conditions of Approval: <i>see attached</i>	
E-mail Address: <i>Jennifer.Reyna@dvn.com</i>	Attached <i>2RD-45608</i>	
Date: <i>1/2/2018</i>	Phone: <i>575.746.5588</i>	

* Attach Additional Sheets If Necessary

1/10/18 AB

District I
1625 N. French Dr., Hobbs, NM 88240
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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	2RP-5508
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Devon Energy Production Company	OGRID 6137
Contact Name Amanda T. Davis	Contact Telephone 575-748-3371
Contact email amanda.davis@dvn.com	Incident # (assigned by OCD)
Contact mailing address 6488 Seven Rivers Hwy	

Location of Release Source

Latitude 32.6686211 Longitude -103.9012527
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Strawberry 7 Federal Com 4H	Site Type Oil
Date Release Discovered 12/3/2018	API# (if applicable) 3001537258

Unit Letter	Section	Township	Range	County
P	07	19S	31E	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) 42	Volume Recovered (bbls) 42
	Is the concentration of total dissolved solids (TDS) 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 Produced water tanks over ran, communication was done. All in lined containment. Spill area 135'x28'x0.63".

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? This is considered a major release because it was over 25 BBLS.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Kendra DeHoyos</u> Signature: <u>Kendra DeHoyos</u> email: <u>kendra.dehoyos@dvn.com</u>	Title: <u>EHS Associate</u> Date: <u>12/11/2018</u> Telephone: <u>575-748-3371</u>
<u>OCD Only</u> Received by: _____ Date: _____	

District I
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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	NAB1904949664
District RP	2RP-5247
Facility ID	
Application ID	pAB1904949407

Release Notification

Responsible Party

Responsible Party Devon Energy Production Company	OGRID 6137
Contact Name Amanda T. Davis	Contact Telephone 575-748-0176
Contact email amanda.davis@dvn.com	Incident # (assigned by OCD) NAB1904949664
Contact mailing address 6488 Seven Rivers Hwy	

Location of Release Source

Latitude 32.6686211 Longitude -103.9012527
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Strawberry 7 Fed Com 4H	Site Type Oil
Date Release Discovered 1/29/2019	API# (if applicable) 3001537258

Unit Letter	Section	Township	Range	County
P	07	19S	31E	Eddy

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

Nature and Volume of Release

****Please submit ASAP**

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) 16.61	Volume Recovered (bbls) 16.61
	Is the concentration of total dissolved solids (TDS) 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
There was a water spill from the top hatch of the water tank. Fluids stayed in containment.
Spill area 75' x 15' x 1"


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Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Kendra DeHoyos</u> Signature: <u>Kendra DeHoyos</u> email: <u>kendra.dehoyos@dvn.com</u>	Title: <u>EHS Associate</u> Date: <u>1/30/2019</u> Telephone: <u>575-748-3371</u>
<u>OCD Only</u> Received by: <u></u> Date: <u>2/18/2019</u>	



APPENDIX IV

FINAL C-141

Incident ID	
District RP	2 RP-2852
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?

180 (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 1/2-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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Oil Conservation Division

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Printed Name: Chris Jones Title: Project Mgr - Talon LPE
Signature: [Signature] Date: 7-16-19
email: cjones@talonlpe.com Telephone: 575-631-6977

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
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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

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Printed Name: Chris Jones Title: Project Mgr - Talon LPE
Signature: [Signature] Date: 7-16-19
email: cjones@talonlpe.com Telephone: 575-746-8768

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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: _____

Incident ID	
District RP	2RP-4568
Facility ID	
Application ID	

Site Assessment/Characterization

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What is the shallowest depth to groundwater beneath the area affected by the release?

180 (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.*

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- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within 1/2-mile of the lateral extents of the release
- ☐ Boring or excavation logs
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- ☒ 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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email: cjones@talonlpe.com Telephone: 575-631-6977

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Closure

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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
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Closure Approved by: _____ Date: _____
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Incident ID	
District RP	2RP-5508
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?

180 (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

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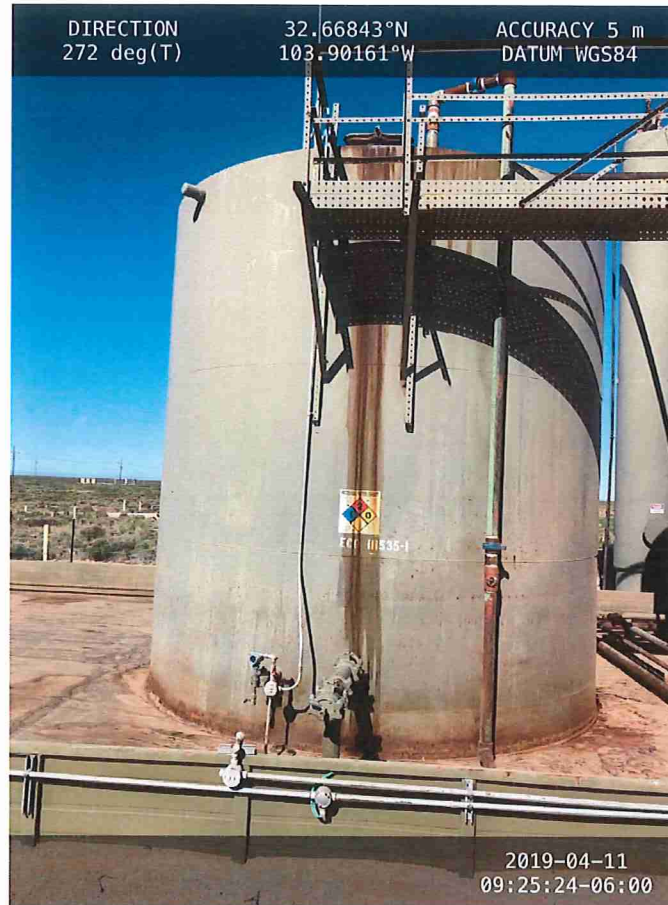
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance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

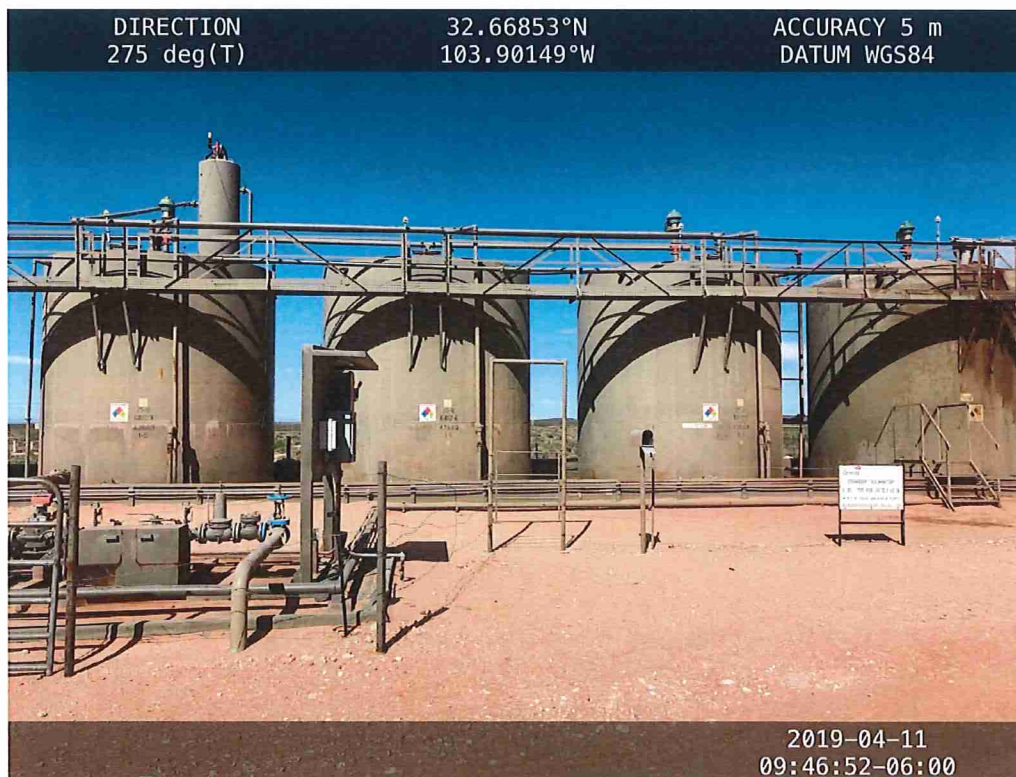
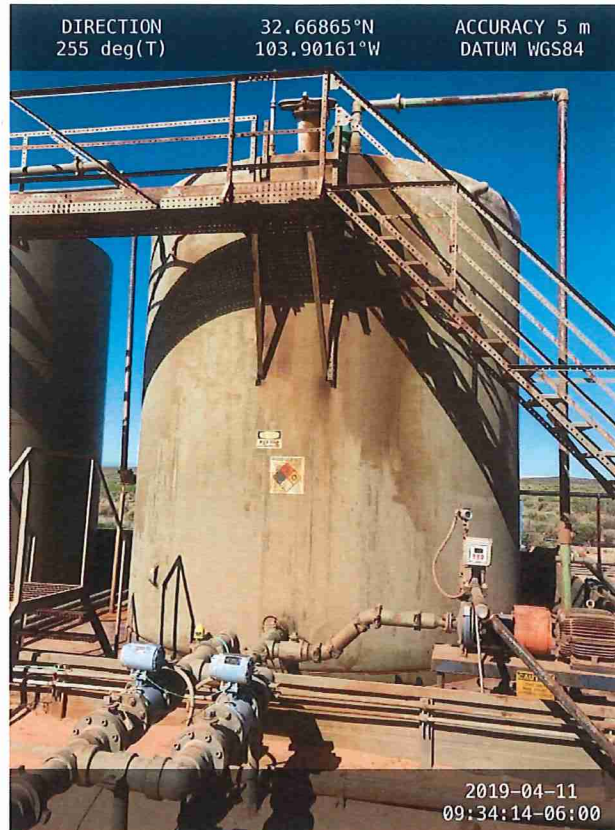
Closure Approved by: _____ Date: _____
 Printed Name: _____ Title: _____



APPENDIX V

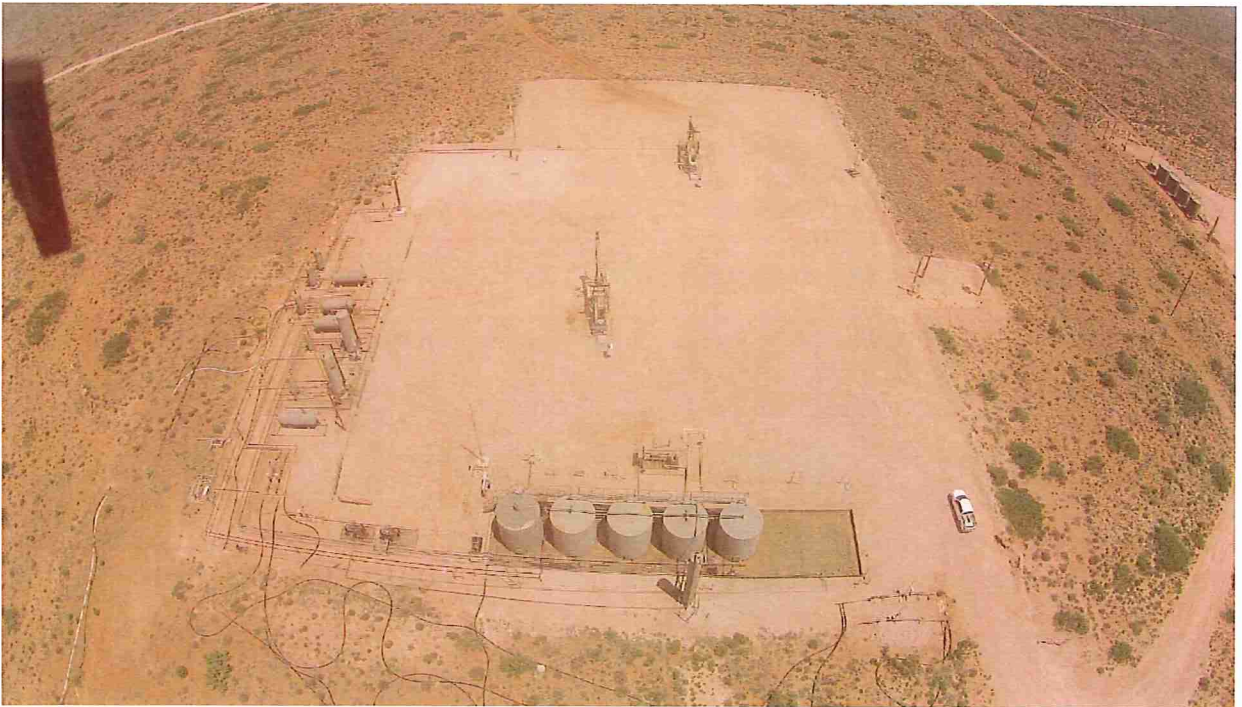
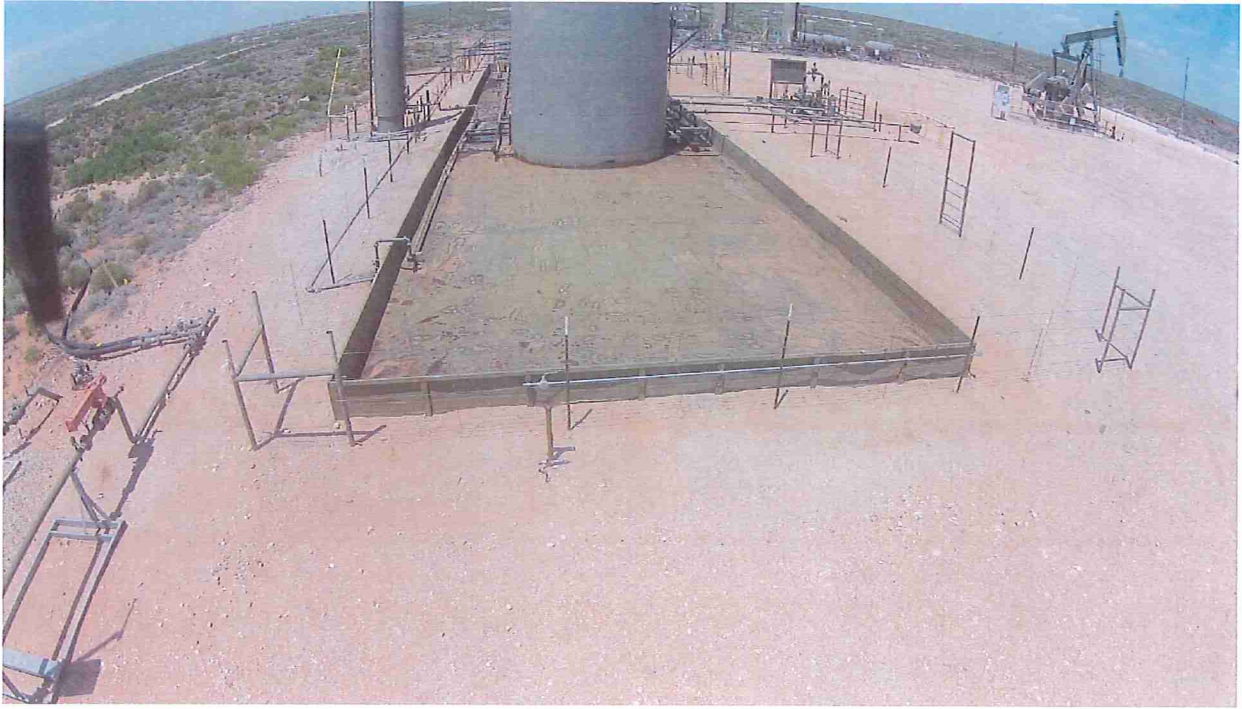
PHOTOGRAPHIC DOCUMENTATION







After







APPENDIX VI

LABORATORY DATA



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

April 16, 2019

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: STRAWBERRY 7 FED COM. #004H

Enclosed are the results of analyses for samples received by the laboratory on 04/11/19 15:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/11/2019
Reported: 04/16/2019
Project Name: STRAWBERRY 7 FED COM. #004H
Project Number: 700794.284.01
Project Location: DEVON ENERGY- EDDY CO NM

Sampling Date: 04/11/2019
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: BACKGROUND SAMPLE 0' (H901334-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/12/2019	ND	2.06	103	2.00	2.40	
Toluene*	<0.050	0.050	04/12/2019	ND	2.09	104	2.00	0.390	
Ethylbenzene*	<0.050	0.050	04/12/2019	ND	2.06	103	2.00	2.81	
Total Xylenes*	<0.150	0.150	04/12/2019	ND	5.98	99.6	6.00	3.31	
Total BTEX	<0.300	0.300	04/12/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/15/2019	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/12/2019	ND	192	96.2	200	4.13	
DRO >C10-C28*	<10.0	10.0	04/12/2019	ND	185	92.3	200	3.63	
EXT DRO >C28-C36	<10.0	10.0	04/12/2019	ND					

Surrogate: 1-Chlorooctane 98.6 % 41-142

Surrogate: 1-Chlorooctadecane 98.8 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/11/2019	Sampling Date:	04/11/2019
Reported:	04/16/2019	Sampling Type:	Soil
Project Name:	STRAWBERRY 7 FED COM. #004H	Sampling Condition:	** (See Notes)
Project Number:	700794.284.01	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY- EDDY CO NM		

Sample ID: S - 1 0' (H901334-02)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/12/2019	ND	2.06	103	2.00	2.40	
Toluene*	<0.050	0.050	04/12/2019	ND	2.09	104	2.00	0.390	
Ethylbenzene*	<0.050	0.050	04/12/2019	ND	2.06	103	2.00	2.81	
Total Xylenes*	<0.150	0.150	04/12/2019	ND	5.98	99.6	6.00	3.31	
Total BTEX	<0.300	0.300	04/12/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 90.0 % 73.3-129

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9120	16.0	04/15/2019	ND	416	104	400	3.77	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/12/2019	ND	192	96.2	200	4.13	
DRO >C10-C28*	<10.0	10.0	04/12/2019	ND	185	92.3	200	3.63	
EXT DRO >C28-C36	<10.0	10.0	04/12/2019	ND					

Surrogate: 1-Chlorooctane 104 % 41-142

Surrogate: 1-Chlorooctadecane 102 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

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Celestine D. Keene

Celestine D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/11/2019
Reported: 04/16/2019
Project Name: STRAWBERRY 7 FED COM. #004H
Project Number: 700794.284.01
Project Location: DEVON ENERGY- EDDY CO NM

Sampling Date: 04/11/2019
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: S - 1 1' (H901334-03)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/12/2019	ND	2.06	103	2.00	2.40	
Toluene*	<0.050	0.050	04/12/2019	ND	2.09	104	2.00	0.390	
Ethylbenzene*	<0.050	0.050	04/12/2019	ND	2.06	103	2.00	2.81	
Total Xylenes*	<0.150	0.150	04/12/2019	ND	5.98	99.6	6.00	3.31	
Total BTEX	<0.300	0.300	04/12/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 91.7 % 73.3-129

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4000	16.0	04/15/2019	ND	416	104	400	3.77	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/12/2019	ND	192	96.2	200	4.13	
DRO >C10-C28*	<10.0	10.0	04/12/2019	ND	185	92.3	200	3.63	
EXT DRO >C28-C36	<10.0	10.0	04/12/2019	ND					

Surrogate: 1-Chlorooctane 105 % 41-142

Surrogate: 1-Chlorooctadecane 103 % 37.6-147

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*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/11/2019
Reported: 04/16/2019
Project Name: STRAWBERRY 7 FED COM. #004H
Project Number: 700794.284.01
Project Location: DEVON ENERGY- EDDY CO NM

Sampling Date: 04/11/2019
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: S - 2 0' (H901334-04)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/12/2019	ND	2.06	103	2.00	2.40	
Toluene*	<0.050	0.050	04/12/2019	ND	2.09	104	2.00	0.390	
Ethylbenzene*	<0.050	0.050	04/12/2019	ND	2.06	103	2.00	2.81	
Total Xylenes*	<0.150	0.150	04/12/2019	ND	5.98	99.6	6.00	3.31	
Total BTEX	<0.300	0.300	04/12/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIB) 102 % 73.3-129

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	864	16.0	04/15/2019	ND	416	104	400	3.77	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/12/2019	ND	192	96.2	200	4.13	
DRO >C10-C28*	10.7	10.0	04/12/2019	ND	185	92.3	200	3.63	
EXT DRO >C28-C36	<10.0	10.0	04/12/2019	ND					

Surrogate: 1-Chlorooctane 99.2 % 41-142

Surrogate: 1-Chlorooctadecane 101 % 37.6-147

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/11/2019
Reported: 04/16/2019
Project Name: STRAWBERRY 7 FED COM. #004H
Project Number: 700794.284.01
Project Location: DEVON ENERGY- EDDY CO NM

Sampling Date: 04/11/2019
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: S - 2 1' (H901334-05)

BTEX 8021B			mg/kg		Analyzed By: ms				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/12/2019	ND	2.06	103	2.00	0.775	
Toluene*	<0.050	0.050	04/12/2019	ND	1.96	97.8	2.00	0.878	
Ethylbenzene*	<0.050	0.050	04/12/2019	ND	2.04	102	2.00	0.624	
Total Xylenes*	<0.150	0.150	04/12/2019	ND	6.23	104	6.00	0.453	
Total BTEX	<0.300	0.300	04/12/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 94.3 % 73.3-129

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	04/15/2019	ND	416	104	400	3.77	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/12/2019	ND	204	102	200	0.864	
DRO >C10-C28*	<10.0	10.0	04/12/2019	ND	208	104	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	04/12/2019	ND					

Surrogate: 1-Chlorooctane 86.5 % 41-142

Surrogate: 1-Chlorooctadecane 90.5 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/11/2019
Reported: 04/16/2019
Project Name: STRAWBERRY 7 FED COM. #004H
Project Number: 700794.284.01
Project Location: DEVON ENERGY- EDDY CO NM

Sampling Date: 04/11/2019
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: S - 3 0' (H901334-06)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/12/2019	ND	2.06	103	2.00	0.775	
Toluene*	<0.050	0.050	04/12/2019	ND	1.96	97.8	2.00	0.878	
Ethylbenzene*	<0.050	0.050	04/12/2019	ND	2.04	102	2.00	0.624	
Total Xylenes*	<0.150	0.150	04/12/2019	ND	6.23	104	6.00	0.453	
Total BTEX	<0.300	0.300	04/12/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 93.6 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	04/15/2019	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/12/2019	ND	204	102	200	0.864	
DRO >C10-C28*	74.5	10.0	04/12/2019	ND	208	104	200	2.17	
EXT DRO >C28-C36	10.2	10.0	04/12/2019	ND					

Surrogate: 1-Chlorooctane 86.6 % 41-142

Surrogate: 1-Chlorooctadecane 97.4 % 37.6-147

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/11/2019
Reported: 04/16/2019
Project Name: STRAWBERRY 7 FED COM. #004H
Project Number: 700794.284.01
Project Location: DEVON ENERGY- EDDY CO NM

Sampling Date: 04/11/2019
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: S - 4 0' (H901334-07)

BTEX 8021B			mg/kg		Analyzed By: ms				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/12/2019	ND	2.06	103	2.00	0.775	
Toluene*	<0.050	0.050	04/12/2019	ND	1.96	97.8	2.00	0.878	
Ethylbenzene*	<0.050	0.050	04/12/2019	ND	2.04	102	2.00	0.624	
Total Xylenes*	<0.150	0.150	04/12/2019	ND	6.23	104	6.00	0.453	
Total BTEX	<0.300	0.300	04/12/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 92.4 % 73.3-129

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	04/15/2019	ND	416	104	400	3.77	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/12/2019	ND	204	102	200	0.864	
DRO >C10-C28*	<10.0	10.0	04/12/2019	ND	208	104	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	04/12/2019	ND					

Surrogate: 1-Chlorooctane 82.1 % 41-142

Surrogate: 1-Chlorooctadecane 85.3 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/11/2019
 Reported: 04/16/2019
 Project Name: STRAWBERRY 7 FED COM. #004H
 Project Number: 700794.284.01
 Project Location: DEVON ENERGY- EDDY CO NM

Sampling Date: 04/11/2019
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: S - 4 1' (H901334-08)

BTEX 8021B			mg/kg		Analyzed By: ms				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/12/2019	ND	2.06	103	2.00	0.775	
Toluene*	<0.050	0.050	04/12/2019	ND	1.96	97.8	2.00	0.878	
Ethylbenzene*	<0.050	0.050	04/12/2019	ND	2.04	102	2.00	0.624	
Total Xylenes*	<0.150	0.150	04/12/2019	ND	6.23	104	6.00	0.453	
Total BTEX	<0.300	0.300	04/12/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 93.1 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	04/15/2019	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/12/2019	ND	204	102	200	0.864	
DRO >C10-C28*	<10.0	10.0	04/12/2019	ND	208	104	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	04/12/2019	ND					

Surrogate: 1-Chlorooctane 85.8 % 41-142

Surrogate: 1-Chlorooctadecane 89.0 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

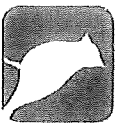
Notes and Definitions

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

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Talon / LPE Project Manager: David Adkins Address: 408 W Texas Ave City: Artesia State: NM Zip: 88210 Phone #: 575-746-8768 Fax #: Project #: 700794.284.01 Project Owner: Devon Energy Project Name: Strawberry 7 Fed Com #0044 Project Location: Eddy County Sampler Name: Brandon Sinclair FOR LAB USE ONLY				P.O. #: 700794.284.01 Company: Talon / LPE Attn: D. Adkins Address: City: State: Zip: Phone #: Fax #:					
BIH-10				ANALYSIS REQUEST					
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.		DATE		TIME			
		# CONTAINERS							
H901334	Background Sample 0'	<input checked="" type="checkbox"/> GROUNDWATER <input type="checkbox"/> WASTEWATER <input type="checkbox"/> SOIL <input type="checkbox"/> OIL <input type="checkbox"/> SLUDGE <input type="checkbox"/> OTHER : <input type="checkbox"/> ACID/BASE: <input type="checkbox"/> ICE / COOL <input type="checkbox"/> OTHER :		<input checked="" type="checkbox"/> PRESERV <input type="checkbox"/> SAMPLING		TPH EXT BTEX Total Chlorides			
Relinquished By: <i>[Signature]</i>		Date: 4/11/19		Received By: <i>[Signature]</i>		Date: 4/11/19			
Relinquished By: <i>[Signature]</i>		Date: 4/11/19		Received By: <i>[Signature]</i>		Date: 4/11/19			
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 11.8 a #97		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: <i>[Signature]</i> (Initials)					
REMARKS:		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:					
		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:					

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



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

July 23, 2019

Chris Jones

Talon Artesia

408 West Texas Ave

Artesia, NM 88210

TEL: (806) 467-0607

FAX (806) 467-0622

RE: Strawberry 7 Fed Com 4H

OrderNo.: 1907836

Dear Chris Jones:

Hall Environmental Analysis Laboratory received 36 sample(s) on 7/17/2019 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

CLIENT: Talon Artesia
Project: Strawberry 7 Fed Com 4H
Lab ID: 1907836-001

Matrix: SOIL

Client Sample ID: B-1 0-1'
Collection Date: 7/10/2019 10:00:00 AM
Received Date: 7/17/2019 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	7/19/2019 6:42:56 PM	46281
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	7/19/2019 9:52:57 AM	46250
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/19/2019 9:52:57 AM	46250
Surr: DNOP	117	70-130		%Rec	1	7/19/2019 9:52:57 AM	46250
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/18/2019 1:54:03 PM	46240
Surr: BFB	89.9	73.8-119		%Rec	1	7/18/2019 1:54:03 PM	46240
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/18/2019 1:54:03 PM	46240
Toluene	ND	0.050		mg/Kg	1	7/18/2019 1:54:03 PM	46240
Ethylbenzene	ND	0.050		mg/Kg	1	7/18/2019 1:54:03 PM	46240
Xylenes, Total	ND	0.10		mg/Kg	1	7/18/2019 1:54:03 PM	46240
Surr: 4-Bromofluorobenzene	91.0	80-120		%Rec	1	7/18/2019 1:54:03 PM	46240

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 1 of 44

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia	Client Sample ID: B-1 2'
Project: Strawberry 7 Fed Com 4H	Collection Date: 7/10/2019 10:05:00 AM
Lab ID: 1907836-002	Matrix: SOIL
	Received Date: 7/17/2019 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	7/19/2019 7:20:09 PM	46281
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/19/2019 10:59:10 AM	46250
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/19/2019 10:59:10 AM	46250
Surr: DNOP	92.7	70-130		%Rec	1	7/19/2019 10:59:10 AM	46250
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/18/2019 2:17:45 PM	46240
Surr: BFB	102	73.8-119		%Rec	1	7/18/2019 2:17:45 PM	46240
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/18/2019 2:17:45 PM	46240
Toluene	ND	0.050		mg/Kg	1	7/18/2019 2:17:45 PM	46240
Ethylbenzene	ND	0.050		mg/Kg	1	7/18/2019 2:17:45 PM	46240
Xylenes, Total	ND	0.099		mg/Kg	1	7/18/2019 2:17:45 PM	46240
Surr: 4-Bromofluorobenzene	104	80-120		%Rec	1	7/18/2019 2:17:45 PM	46240

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		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia	Client Sample ID: B-2 0-1'
Project: Strawberry 7 Fed Com 4H	Collection Date: 7/10/2019 10:25:00 AM
Lab ID: 1907836-004	Matrix: SOIL
	Received Date: 7/17/2019 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	78	60		mg/Kg	20	7/19/2019 7:44:58 PM	46281
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	7/19/2019 11:21:10 AM	46250
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/19/2019 11:21:10 AM	46250
Surr: DNOP	110	70-130		%Rec	1	7/19/2019 11:21:10 AM	46250
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/18/2019 2:41:32 PM	46240
Surr: BFB	92.9	73.8-119		%Rec	1	7/18/2019 2:41:32 PM	46240
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/18/2019 2:41:32 PM	46240
Toluene	ND	0.050		mg/Kg	1	7/18/2019 2:41:32 PM	46240
Ethylbenzene	ND	0.050		mg/Kg	1	7/18/2019 2:41:32 PM	46240
Xylenes, Total	ND	0.099		mg/Kg	1	7/18/2019 2:41:32 PM	46240
Surr: 4-Bromofluorobenzene	93.7	80-120		%Rec	1	7/18/2019 2:41:32 PM	46240

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 1907836

Date Reported: 7/23/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-2 2'

Project: Strawberry 7 Fed Com 4H

Collection Date: 7/10/2019 10:30:00 AM

Lab ID: 1907836-005

Matrix: SOIL

Received Date: 7/17/2019 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	74	60		mg/Kg	20	7/19/2019 7:57:22 PM	46281
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	7/19/2019 11:43:17 AM	46250
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/19/2019 11:43:17 AM	46250
Surr: DNOP	83.3	70-130		%Rec	1	7/19/2019 11:43:17 AM	46250
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/18/2019 3:52:53 PM	46240
Surr: BFB	91.8	73.8-119		%Rec	1	7/18/2019 3:52:53 PM	46240
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/18/2019 3:52:53 PM	46240
Toluene	ND	0.049		mg/Kg	1	7/18/2019 3:52:53 PM	46240
Ethylbenzene	ND	0.049		mg/Kg	1	7/18/2019 3:52:53 PM	46240
Xylenes, Total	ND	0.098		mg/Kg	1	7/18/2019 3:52:53 PM	46240
Surr: 4-Bromofluorobenzene	92.2	80-120		%Rec	1	7/18/2019 3:52:53 PM	46240

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		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia	Client Sample ID: B-2 3'
Project: Strawberry 7 Fed Com 4H	Collection Date: 7/10/2019 10:35:00 AM
Lab ID: 1907836-006	Matrix: SOIL
	Received Date: 7/17/2019 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	7/19/2019 9:36:37 PM	46287

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

Qualifiers:	<ul style="list-style-type: none">* Value exceeds Maximum Contaminant Level.D Sample Diluted Due to MatrixH Holding times for preparation or analysis exceededND Not Detected at the Reporting LimitPQL Practical Quantitative LimitS % Recovery outside of range due to dilution or matrix	<ul style="list-style-type: none">B Analyte detected in the associated Method BlankE Value above quantitation rangeJ Analyte detected below quantitation limitsP Sample pH Not In RangeRL Reporting Limit	Page 6 of 44
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CLIENT: Talon Artesia
Project: Strawberry 7 Fed Com 4H
Lab ID: 1907836-007

Matrix: SOIL

Client Sample ID: B-3 0-1
Collection Date: 7/10/2019 10:50:00 AM
Received Date: 7/17/2019 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	370	60		mg/Kg	20	7/19/2019 10:13:50 PM	46287
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	7/19/2019 12:05:17 PM	46250
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/19/2019 12:05:17 PM	46250
Surr: DNOP	84.1	70-130		%Rec	1	7/19/2019 12:05:17 PM	46250
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/18/2019 4:16:37 PM	46240
Surr: BFB	93.8	73.8-119		%Rec	1	7/18/2019 4:16:37 PM	46240
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/18/2019 4:16:37 PM	46240
Toluene	ND	0.049		mg/Kg	1	7/18/2019 4:16:37 PM	46240
Ethylbenzene	ND	0.049		mg/Kg	1	7/18/2019 4:16:37 PM	46240
Xylenes, Total	ND	0.098		mg/Kg	1	7/18/2019 4:16:37 PM	46240
Surr: 4-Bromofluorobenzene	93.6	80-120		%Rec	1	7/18/2019 4:16:37 PM	46240

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 7 of 44

Analytical Report

Lab Order 1907836

Date Reported: 7/23/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-3 3'

Project: Strawberry 7 Fed Com 4H

Collection Date: 7/10/2019 10:10:00 AM

Lab ID: 1907836-009

Matrix: SOIL

Received Date: 7/17/2019 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	7/19/2019 10:38:39 PM	46287

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 1907836

Date Reported: 7/23/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-4 0-1'

Project: Strawberry 7 Fed Com 4H

Collection Date: 7/10/2019 11:15:00 AM

Lab ID: 1907836-010

Matrix: SOIL

Received Date: 7/17/2019 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	430	60		mg/Kg	20	7/19/2019 10:51:03 PM	46287
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	7/19/2019 12:49:35 PM	46250
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/19/2019 12:49:35 PM	46250
Surr: DNOP	71.2	70-130		%Rec	1	7/19/2019 12:49:35 PM	46250
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/18/2019 5:04:08 PM	46240
Surr: BFB	92.7	73.8-119		%Rec	1	7/18/2019 5:04:08 PM	46240
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/18/2019 5:04:08 PM	46240
Toluene	ND	0.050		mg/Kg	1	7/18/2019 5:04:08 PM	46240
Ethylbenzene	ND	0.050		mg/Kg	1	7/18/2019 5:04:08 PM	46240
Xylenes, Total	ND	0.10		mg/Kg	1	7/18/2019 5:04:08 PM	46240
Surr: 4-Bromofluorobenzene	93.1	80-120		%Rec	1	7/18/2019 5:04:08 PM	46240

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		

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Analytical Report

Lab Order 1907836

Date Reported: 7/23/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-4 2'

Project: Strawberry 7 Fed Com 4H

Collection Date: 7/10/2019 11:20:00 AM

Lab ID: 1907836-011

Matrix: SOIL

Received Date: 7/17/2019 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	61		mg/Kg	20	7/19/2019 11:28:17 PM	46287
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	7/19/2019 1:11:52 PM	46250
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/19/2019 1:11:52 PM	46250
Surr: DNOP	115	70-130		%Rec	1	7/19/2019 1:11:52 PM	46250
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/18/2019 5:27:52 PM	46240
Surr: BFB	91.7	73.8-119		%Rec	1	7/18/2019 5:27:52 PM	46240
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/18/2019 5:27:52 PM	46240
Toluene	ND	0.050		mg/Kg	1	7/18/2019 5:27:52 PM	46240
Ethylbenzene	ND	0.050		mg/Kg	1	7/18/2019 5:27:52 PM	46240
Xylenes, Total	ND	0.10		mg/Kg	1	7/18/2019 5:27:52 PM	46240
Surr: 4-Bromofluorobenzene	90.2	80-120		%Rec	1	7/18/2019 5:27:52 PM	46240

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		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia Client Sample ID: B-4 3'
Project: Strawberry 7 Fed Com 4H Collection Date: 7/10/2019 11:30:00 AM
Lab ID: 1907836-012 Matrix: SOIL Received Date: 7/17/2019 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	61		mg/Kg	20	7/19/2019 11:40:41 PM	46287

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		

CLIENT: Talon Artesia
Project: Strawberry 7 Fed Com 4H
Lab ID: 1907836-013

Matrix: SOIL

Client Sample ID: B-5 0-1'
Collection Date: 7/10/2019 11:50:00 AM
Received Date: 7/17/2019 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	91	60		mg/Kg	20	7/19/2019 11:53:05 PM	46287
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	7/19/2019 1:34:00 PM	46250
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/19/2019 1:34:00 PM	46250
Surr: DNOP	83.0	70-130		%Rec	1	7/19/2019 1:34:00 PM	46250
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/18/2019 5:51:34 PM	46240
Surr: BFB	95.3	73.8-119		%Rec	1	7/18/2019 5:51:34 PM	46240
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/18/2019 5:51:34 PM	46240
Toluene	ND	0.049		mg/Kg	1	7/18/2019 5:51:34 PM	46240
Ethylbenzene	ND	0.049		mg/Kg	1	7/18/2019 5:51:34 PM	46240
Xylenes, Total	ND	0.098		mg/Kg	1	7/18/2019 5:51:34 PM	46240
Surr: 4-Bromofluorobenzene	95.4	80-120		%Rec	1	7/18/2019 5:51:34 PM	46240

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 1907836

Date Reported: 7/23/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-5 2'

Project: Strawberry 7 Fed Com 4H

Collection Date: 7/10/2019 11:55:00 AM

Lab ID: 1907836-014

Matrix: SOIL

Received Date: 7/17/2019 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	7/20/2019 12:05:30 AM	46287
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/19/2019 2:18:32 PM	46250
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/19/2019 2:18:32 PM	46250
Surr: DNOP	101	70-130		%Rec	1	7/19/2019 2:18:32 PM	46250
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/18/2019 6:15:21 PM	46240
Surr: BFB	93.6	73.8-119		%Rec	1	7/18/2019 6:15:21 PM	46240
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/18/2019 6:15:21 PM	46240
Toluene	ND	0.049		mg/Kg	1	7/18/2019 6:15:21 PM	46240
Ethylbenzene	ND	0.049		mg/Kg	1	7/18/2019 6:15:21 PM	46240
Xylenes, Total	ND	0.098		mg/Kg	1	7/18/2019 6:15:21 PM	46240
Surr: 4-Bromofluorobenzene	93.0	80-120		%Rec	1	7/18/2019 6:15:21 PM	46240

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		

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Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia		Client Sample ID: B-5 3'	
Project: Strawberry 7 Fed Com 4H		Collection Date: 7/10/2019 12:00:00 PM	
Lab ID: 1907836-015	Matrix: SOIL	Received Date: 7/17/2019 8:45:00 AM	

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	73	60		mg/Kg	20	7/20/2019 12:17:54 AM	46287

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		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia	Client Sample ID: B-6 0-1'
Project: Strawberry 7 Fed Com 4H	Collection Date: 7/10/2019 12:15:00 PM
Lab ID: 1907836-016	Matrix: SOIL
	Received Date: 7/17/2019 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	7/20/2019 12:30:18 AM	46287
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	7/19/2019 2:40:52 PM	46250
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/19/2019 2:40:52 PM	46250
Surr: DNOP	99.4	70-130		%Rec	1	7/19/2019 2:40:52 PM	46250
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/18/2019 6:39:03 PM	46240
Surr: BFB	95.9	73.8-119		%Rec	1	7/18/2019 6:39:03 PM	46240
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/18/2019 6:39:03 PM	46240
Toluene	ND	0.050		mg/Kg	1	7/18/2019 6:39:03 PM	46240
Ethylbenzene	ND	0.050		mg/Kg	1	7/18/2019 6:39:03 PM	46240
Xylenes, Total	ND	0.099		mg/Kg	1	7/18/2019 6:39:03 PM	46240
Surr: 4-Bromofluorobenzene	95.2	80-120		%Rec	1	7/18/2019 6:39:03 PM	46240

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		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia	Client Sample ID: B-6 2'
Project: Strawberry 7 Fed Com 4H	Collection Date: 7/10/2019 12:20:00 PM
Lab ID: 1907836-017	Matrix: SOIL
	Received Date: 7/17/2019 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	86	60		mg/Kg	20	7/20/2019 12:42:42 AM	46287
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	7/19/2019 3:03:07 PM	46250
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/19/2019 3:03:07 PM	46250
Surr: DNOP	79.9	70-130		%Rec	1	7/19/2019 3:03:07 PM	46250
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/18/2019 7:02:49 PM	46240
Surr: BFB	92.9	73.8-119		%Rec	1	7/18/2019 7:02:49 PM	46240
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/18/2019 7:02:49 PM	46240
Toluene	ND	0.049		mg/Kg	1	7/18/2019 7:02:49 PM	46240
Ethylbenzene	ND	0.049		mg/Kg	1	7/18/2019 7:02:49 PM	46240
Xylenes, Total	ND	0.098		mg/Kg	1	7/18/2019 7:02:49 PM	46240
Surr: 4-Bromofluorobenzene	92.4	80-120		%Rec	1	7/18/2019 7:02:49 PM	46240

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		

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CLIENT: Talon Artesia
Project: Strawberry 7 Fed Com 4H
Lab ID: 1907836-019

Matrix: SOIL

Client Sample ID: B-7 0-1'
Collection Date: 7/10/2019 12:40:00 PM
Received Date: 7/17/2019 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	1500	60		mg/Kg	20	7/20/2019 1:07:32 AM	46287
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/19/2019 3:25:31 PM	46250
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/19/2019 3:25:31 PM	46250
Surr: DNOP	76.1	70-130		%Rec	1	7/19/2019 3:25:31 PM	46250
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/19/2019 11:05:54 AM	46247
Surr: BFB	101	73.8-119		%Rec	1	7/19/2019 11:05:54 AM	46247
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/19/2019 11:05:54 AM	46247
Toluene	ND	0.049		mg/Kg	1	7/19/2019 11:05:54 AM	46247
Ethylbenzene	ND	0.049		mg/Kg	1	7/19/2019 11:05:54 AM	46247
Xylenes, Total	ND	0.098		mg/Kg	1	7/19/2019 11:05:54 AM	46247
Surr: 4-Bromofluorobenzene	86.4	80-120		%Rec	1	7/19/2019 11:05:54 AM	46247

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 1907836

Date Reported: 7/23/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-7 2'

Project: Strawberry 7 Fed Com 4H

Collection Date: 7/10/2019 12:45:00 PM

Lab ID: 1907836-020

Matrix: SOIL

Received Date: 7/17/2019 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	240	60		mg/Kg	20	7/20/2019 1:19:56 AM	46287
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	7/19/2019 3:47:42 PM	46250
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/19/2019 3:47:42 PM	46250
Surr: DNOP	69.6	70-130	S	%Rec	1	7/19/2019 3:47:42 PM	46250
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/19/2019 12:14:03 PM	46247
Surr: BFB	97.2	73.8-119		%Rec	1	7/19/2019 12:14:03 PM	46247
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/19/2019 12:14:03 PM	46247
Toluene	ND	0.049		mg/Kg	1	7/19/2019 12:14:03 PM	46247
Ethylbenzene	ND	0.049		mg/Kg	1	7/19/2019 12:14:03 PM	46247
Xylenes, Total	ND	0.099		mg/Kg	1	7/19/2019 12:14:03 PM	46247
Surr: 4-Bromofluorobenzene	84.1	80-120		%Rec	1	7/19/2019 12:14:03 PM	46247

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		

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Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia	Client Sample ID: B-7 3'
Project: Strawberry 7 Fed Com 4H	Collection Date: 7/10/2019 12:50:00 PM
Lab ID: 1907836-021	Matrix: SOIL
	Received Date: 7/17/2019 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	7/20/2019 1:57:10 AM	46287

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	

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia	Client Sample ID: B-8 0-1'
Project: Strawberry 7 Fed Com 4H	Collection Date: 7/10/2019 1:05:00 PM
Lab ID: 1907836-022	Matrix: SOIL
	Received Date: 7/17/2019 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	240	61		mg/Kg	20	7/20/2019 2:09:35 AM	46287
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	36	9.7		mg/Kg	1	7/19/2019 4:10:02 PM	46250
Motor Oil Range Organics (MRO)	76	49		mg/Kg	1	7/19/2019 4:10:02 PM	46250
Surr: DNOP	109	70-130		%Rec	1	7/19/2019 4:10:02 PM	46250
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/19/2019 1:22:23 PM	46247
Surr: BFB	98.3	73.8-119		%Rec	1	7/19/2019 1:22:23 PM	46247
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/19/2019 1:22:23 PM	46247
Toluene	ND	0.049		mg/Kg	1	7/19/2019 1:22:23 PM	46247
Ethylbenzene	ND	0.049		mg/Kg	1	7/19/2019 1:22:23 PM	46247
Xylenes, Total	ND	0.099		mg/Kg	1	7/19/2019 1:22:23 PM	46247
Surr: 4-Bromofluorobenzene	85.1	80-120		%Rec	1	7/19/2019 1:22:23 PM	46247

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		

CLIENT: Talon Artesia
Project: Strawberry 7 Fed Com 4H
Lab ID: 1907836-023

Matrix: SOIL

Client Sample ID: B-8 2'
Collection Date: 7/10/2019 1:10:00 PM
Received Date: 7/17/2019 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	110	60		mg/Kg	20	7/20/2019 2:22:00 AM	46287
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/19/2019 4:32:16 PM	46250
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/19/2019 4:32:16 PM	46250
Surr: DNOP	86.0	70-130		%Rec	1	7/19/2019 4:32:16 PM	46250
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/19/2019 1:45:14 PM	46247
Surr: BFB	101	73.8-119		%Rec	1	7/19/2019 1:45:14 PM	46247
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/19/2019 1:45:14 PM	46247
Toluene	ND	0.049		mg/Kg	1	7/19/2019 1:45:14 PM	46247
Ethylbenzene	ND	0.049		mg/Kg	1	7/19/2019 1:45:14 PM	46247
Xylenes, Total	ND	0.098		mg/Kg	1	7/19/2019 1:45:14 PM	46247
Surr: 4-Bromofluorobenzene	87.0	80-120		%Rec	1	7/19/2019 1:45:14 PM	46247

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		

Hall Environmental Analysis Laboratory, Inc.

CLIENT:	Talon Artesia	Client Sample ID:	B-8 3'
Project:	Strawberry 7 Fed Com 4H	Collection Date:	7/10/2019 1:15:00 PM
Lab ID:	1907836-024	Matrix:	SOIL
		Received Date:	7/17/2019 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	64	60		mg/Kg	20	7/20/2019 2:34:24 AM	46287

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		

CLIENT: Talon Artesia
Project: Strawberry 7 Fed Com 4H
Lab ID: 1907836-025

Matrix: SOIL

Client Sample ID: B-9 0-1'
Collection Date: 7/10/2019 1:30:00 PM
Received Date: 7/17/2019 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	2000	60		mg/Kg	20	7/22/2019 4:15:27 PM	46301
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	7/19/2019 4:54:34 PM	46250
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/19/2019 4:54:34 PM	46250
Surr: DNOP	85.7	70-130		%Rec	1	7/19/2019 4:54:34 PM	46250
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/19/2019 2:08:03 PM	46247
Surr: BFB	96.8	73.8-119		%Rec	1	7/19/2019 2:08:03 PM	46247
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/19/2019 2:08:03 PM	46247
Toluene	ND	0.049		mg/Kg	1	7/19/2019 2:08:03 PM	46247
Ethylbenzene	ND	0.049		mg/Kg	1	7/19/2019 2:08:03 PM	46247
Xylenes, Total	ND	0.099		mg/Kg	1	7/19/2019 2:08:03 PM	46247
Surr: 4-Bromofluorobenzene	82.0	80-120		%Rec	1	7/19/2019 2:08:03 PM	46247

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 1907836

Date Reported: 7/23/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-9 2'

Project: Strawberry 7 Fed Com 4H

Collection Date: 7/10/2019 1:35:00 PM

Lab ID: 1907836-026

Matrix: SOIL

Received Date: 7/17/2019 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	510	60		mg/Kg	20	7/22/2019 4:27:51 PM	46301
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/19/2019 5:16:57 PM	46250
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/19/2019 5:16:57 PM	46250
Surr: DNOP	75.3	70-130		%Rec	1	7/19/2019 5:16:57 PM	46250
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/19/2019 2:30:56 PM	46247
Surr: BFB	99.9	73.8-119		%Rec	1	7/19/2019 2:30:56 PM	46247
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/19/2019 2:30:56 PM	46247
Toluene	ND	0.049		mg/Kg	1	7/19/2019 2:30:56 PM	46247
Ethylbenzene	ND	0.049		mg/Kg	1	7/19/2019 2:30:56 PM	46247
Xylenes, Total	ND	0.098		mg/Kg	1	7/19/2019 2:30:56 PM	46247
Surr: 4-Bromofluorobenzene	84.6	80-120		%Rec	1	7/19/2019 2:30:56 PM	46247

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		

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Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia	Client Sample ID: B-9 3'
Project: Strawberry 7 Fed Com 4H	Collection Date: 7/10/2019 1:40:00 PM
Lab ID: 1907836-027	Matrix: SOIL
	Received Date: 7/17/2019 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	290	60		mg/Kg	20	7/22/2019 4:40:15 PM	46301

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	

CLIENT: Talon Artesia
Project: Strawberry 7 Fed Com 4H
Lab ID: 1907836-028

Matrix: SOIL

Client Sample ID: B-10 0-1'
Collection Date: 7/10/2019 2:00:00 PM
Received Date: 7/17/2019 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	460	60		mg/Kg	20	7/22/2019 4:52:40 PM	46301
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	7/19/2019 5:39:22 PM	46250
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/19/2019 5:39:22 PM	46250
Surr: DNOP	72.8	70-130		%Rec	1	7/19/2019 5:39:22 PM	46250
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/19/2019 3:39:30 PM	46247
Surr: BFB	92.4	73.8-119		%Rec	1	7/19/2019 3:39:30 PM	46247
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/22/2019 2:29:24 PM	46247
Toluene	ND	0.049		mg/Kg	1	7/22/2019 2:29:24 PM	46247
Ethylbenzene	ND	0.049		mg/Kg	1	7/22/2019 2:29:24 PM	46247
Xylenes, Total	ND	0.097		mg/Kg	1	7/22/2019 2:29:24 PM	46247
Surr: 4-Bromofluorobenzene	96.6	80-120		%Rec	1	7/22/2019 2:29:24 PM	46247

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		

CLIENT: Talon Artesia
Project: Strawberry 7 Fed Com 4H
Lab ID: 1907836-029

Matrix: SOIL

Client Sample ID: B-10 2'
Collection Date: 7/10/2019 2:05:00 PM
Received Date: 7/17/2019 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	170	60		mg/Kg	20	7/22/2019 5:05:05 PM	46301
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	7/19/2019 6:01:35 PM	46250
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/19/2019 6:01:35 PM	46250
Surr: DNOP	59.3	70-130	S	%Rec	1	7/19/2019 6:01:35 PM	46250
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/19/2019 4:02:24 PM	46247
Surr: BFB	95.5	73.8-119		%Rec	1	7/19/2019 4:02:24 PM	46247
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/19/2019 4:02:24 PM	46247
Toluene	ND	0.049		mg/Kg	1	7/19/2019 4:02:24 PM	46247
Ethylbenzene	ND	0.049		mg/Kg	1	7/19/2019 4:02:24 PM	46247
Xylenes, Total	ND	0.099		mg/Kg	1	7/19/2019 4:02:24 PM	46247
Surr: 4-Bromofluorobenzene	81.0	80-120		%Rec	1	7/19/2019 4:02:24 PM	46247

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		

Hall Environmental Analysis Laboratory, Inc.					Analytical Report			
					Lab Order 1907836			
					Date Reported: 7/23/2019			
CLIENT: Talon Artesia					Client Sample ID: B-10 3'			
Project: Strawberry 7 Fed Com 4H					Collection Date: 7/10/2019 2:10:00 PM			
Lab ID: 1907836-030		Matrix: SOIL			Received Date: 7/17/2019 8:45:00 AM			
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS							Analyst: MRA	
Chloride	68	60		mg/Kg	20	7/22/2019 5:17:30 PM	46301	

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		

CLIENT: Talon Artesia
Project: Strawberry 7 Fed Com 4H
Lab ID: 1907836-031

Matrix: SOIL

Client Sample ID: B-11 0-1'
Collection Date: 7/10/2019 2:25:00 PM
Received Date: 7/17/2019 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	600	60		mg/Kg	20	7/22/2019 5:54:43 PM	46301
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	7/19/2019 6:23:50 PM	46265
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/19/2019 6:23:50 PM	46265
Surr: DNOP	71.1	70-130		%Rec	1	7/19/2019 6:23:50 PM	46265
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/19/2019 4:25:18 PM	46247
Surr: BFB	102	73.8-119		%Rec	1	7/19/2019 4:25:18 PM	46247
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/19/2019 4:25:18 PM	46247
Toluene	ND	0.049		mg/Kg	1	7/19/2019 4:25:18 PM	46247
Ethylbenzene	ND	0.049		mg/Kg	1	7/19/2019 4:25:18 PM	46247
Xylenes, Total	ND	0.098		mg/Kg	1	7/19/2019 4:25:18 PM	46247
Surr: 4-Bromofluorobenzene	86.5	80-120		%Rec	1	7/19/2019 4:25:18 PM	46247

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		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia		Client Sample ID: B-11 3'	
Project: Strawberry 7 Fed Com 4H		Collection Date: 7/10/2019 2:35:00 PM	
Lab ID: 1907836-033	Matrix: SOIL	Received Date: 7/17/2019 8:45:00 AM	

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	150	60		mg/Kg	20	7/22/2019 9:38:07 PM	46313

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		

CLIENT: Talon Artesia
Project: Strawberry 7 Fed Com 4H
Lab ID: 1907836-034

Matrix: SOIL

Client Sample ID: B-12 0-1'
Collection Date: 7/10/2019 2:55:00 PM
Received Date: 7/17/2019 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	7/22/2019 9:50:31 PM	46313
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	7/19/2019 7:52:47 PM	46265
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/19/2019 7:52:47 PM	46265
Surr: DNOP	63.5	70-130	S	%Rec	1	7/19/2019 7:52:47 PM	46265
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/19/2019 5:11:02 PM	46247
Surr: BFB	102	73.8-119		%Rec	1	7/19/2019 5:11:02 PM	46247
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/19/2019 5:11:02 PM	46247
Toluene	ND	0.050		mg/Kg	1	7/19/2019 5:11:02 PM	46247
Ethylbenzene	ND	0.050		mg/Kg	1	7/19/2019 5:11:02 PM	46247
Xylenes, Total	ND	0.10		mg/Kg	1	7/19/2019 5:11:02 PM	46247
Surr: 4-Bromofluorobenzene	87.1	80-120		%Rec	1	7/19/2019 5:11:02 PM	46247

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		

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CLIENT: Talon Artesia
Project: Strawberry 7 Fed Com 4H
Lab ID: 1907836-035

Matrix: SOIL

Client Sample ID: B-12 2'
Collection Date: 7/10/2019 3:00:00 PM
Received Date: 7/17/2019 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	7/22/2019 10:02:55 PM	46313
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/19/2019 8:14:56 PM	46265
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/19/2019 8:14:56 PM	46265
Surr: DNOP	64.2	70-130	S	%Rec	1	7/19/2019 8:14:56 PM	46265
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/19/2019 5:33:57 PM	46247
Surr: BFB	104	73.8-119		%Rec	1	7/19/2019 5:33:57 PM	46247
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/19/2019 5:33:57 PM	46247
Toluene	ND	0.050		mg/Kg	1	7/19/2019 5:33:57 PM	46247
Ethylbenzene	ND	0.050		mg/Kg	1	7/19/2019 5:33:57 PM	46247
Xylenes, Total	ND	0.10		mg/Kg	1	7/19/2019 5:33:57 PM	46247
Surr: 4-Bromofluorobenzene	87.1	80-120		%Rec	1	7/19/2019 5:33:57 PM	46247

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		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1907836

23-Jul-19

Client: Talon Artesia

Project: Strawberry 7 Fed Com 4H

Sample ID: MB-46281	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 46281	RunNo: 61532								
Prep Date: 7/19/2019	Analysis Date: 7/19/2019	SeqNo: 2085653 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-46281		SampType: lcs			TestCode: EPA Method 300.0: Anions					
Client ID: LCSS		Batch ID: 46281			RunNo: 61532					
Prep Date: 7/19/2019		Analysis Date: 7/19/2019			SeqNo: 2085654		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.5	90	110			

Sample ID: MB-46287		SampType: mblk		TestCode: EPA Method 300.0: Anions						
Client ID: PBS		Batch ID: 46287		RunNo: 61532						
Prep Date: 7/19/2019		Analysis Date: 7/19/2019		SeqNo: 2085683		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-46287		SampType: lcs		TestCode: EPA Method 300.0: Anions						
Client ID: LCSS		Batch ID: 46287		RunNo: 61532						
Prep Date: 7/19/2019		Analysis Date: 7/19/2019		SeqNo: 2085684		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.4	90	110			

Sample ID: MB-46301	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 46301	RunNo: 61554								
Prep Date: 7/22/2019	Analysis Date: 7/22/2019	SeqNo: 2087068 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-46301		SampType: LCS			TestCode: EPA Method 300.0: Anions					
Client ID: LCSS		Batch ID: 46301			RunNo: 61554					
Prep Date: 7/22/2019		Analysis Date: 7/22/2019			SeqNo: 2087069		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.5	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 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

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QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: 1907836
23-Jul-19

Client: Talon Artesia
Project: Strawberry 7 Fed Com 4H

Sample ID: MB-46313	SampType: MBLK	TestCode: EPA Method 300.0: Anions
Client ID: PBS	Batch ID: 46313	RunNo: 61554
Prep Date: 7/22/2019	Analysis Date: 7/22/2019	SeqNo: 2087114 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	ND	1.5

Sample ID: LCS-46313	SampType: LCS	TestCode: EPA Method 300.0: Anions
Client ID: LCSS	Batch ID: 46313	RunNo: 61554
Prep Date: 7/22/2019	Analysis Date: 7/22/2019	SeqNo: 2087115 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	14	1.5 15.00 0 94.7 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 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#: 1907836

23-Jul-19

Client: Talon Artesia

Project: Strawberry 7 Fed Com 4H

Sample ID: LCS-46237	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 46237	RunNo: 61511								
Prep Date: 7/17/2019	Analysis Date: 7/19/2019	SeqNo: 2085058 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.0		5.000		100	70	130			

Sample ID: LCS-46265	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 46265	RunNo: 61511								
Prep Date: 7/18/2019	Analysis Date: 7/19/2019	SeqNo: 2085370 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	93.6	63.9	124			
Surr: DNOP	4.0		5.000		80.9	70	130			

Sample ID: MB-46265	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 46265	RunNo: 61511								
Prep Date: 7/18/2019	Analysis Date: 7/19/2019	SeqNo: 2085380 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	9.7		10.00		97.0	70	130			

Sample ID: 1907836-001AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: B-1 0-1'	Batch ID: 46250	RunNo: 61550								
Prep Date: 7/18/2019	Analysis Date: 7/19/2019	SeqNo: 2086281 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	61	9.7	48.45	0	126	57	142			
Surr: DNOP	4.7		4.845		96.9	70	130			

Sample ID: 1907836-001AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: B-1 0-1'	Batch ID: 46250	RunNo: 61550								
Prep Date: 7/18/2019	Analysis Date: 7/19/2019	SeqNo: 2086282 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	63	10	49.75	0	126	57	142	2.06	20	
Surr: DNOP	4.9		4.975		99.2	70	130	0	0	

Sample ID: 1907836-031AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: B-11 0-1'	Batch ID: 46265	RunNo: 61550								
Prep Date: 7/18/2019	Analysis Date: 7/19/2019	SeqNo: 2086303 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 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#: 1907836

23-Jul-19

Client: Talon Artesia
 Project: Strawberry 7 Fed Com 4H

Sample ID: 1907836-031AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: B-11 0-1'	Batch ID: 46265	RunNo: 61550								
Prep Date: 7/18/2019	Analysis Date: 7/19/2019	SeqNo: 2086303 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	9.6	47.80	0	105	57	142			
Surr: DNOP	3.0		4.780		62.7	70	130			S

Sample ID: 1907836-031AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: B-11 0-1'	Batch ID: 46265	RunNo: 61550								
Prep Date: 7/18/2019	Analysis Date: 7/19/2019	SeqNo: 2086304 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	53	10	50.10	0	106	57	142	5.70	20	
Surr: DNOP	3.1		5.010		61.7	70	130	0	0	S

Sample ID: LCS-46250	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 46250	RunNo: 61550								
Prep Date: 7/18/2019	Analysis Date: 7/19/2019	SeqNo: 2086308 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	10	50.00	0	102	63.9	124			
Surr: DNOP	4.1		5.000		81.4	70	130			

Sample ID: MB-46250	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 46250	RunNo: 61550								
Prep Date: 7/18/2019	Analysis Date: 7/19/2019	SeqNo: 2086309 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	9.2		10.00		92.3	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 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#: 1907836

23-Jul-19

Client: Talon Artesia

Project: Strawberry 7 Fed Com 4H

Sample ID: MB-46240	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 46240	RunNo: 61480								
Prep Date: 7/17/2019	Analysis Date: 7/18/2019	SeqNo: 2084427 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	870		1000		86.7	73.8	119			

Sample ID: LCS-46240	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 46240	RunNo: 61480								
Prep Date: 7/17/2019	Analysis Date: 7/18/2019	SeqNo: 2084428 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	83.9	80.1	123			
Surr: BFB	1000		1000		102	73.8	119			

Sample ID: MB-46247	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 46247	RunNo: 61535								
Prep Date: 7/18/2019	Analysis Date: 7/19/2019	SeqNo: 2085775 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	73.8	119			

Sample ID: LCS-46247	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 46247	RunNo: 61535								
Prep Date: 7/18/2019	Analysis Date: 7/19/2019	SeqNo: 2085776 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	88.4	80.1	123			
Surr: BFB	1200		1000		116	73.8	119			

Sample ID: 1907836-019AMS	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: B-7 0-1'	Batch ID: 46247	RunNo: 61535								
Prep Date: 7/18/2019	Analysis Date: 7/19/2019	SeqNo: 2085782 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	4.9	24.51	0	103	69.1	142			
Surr: BFB	1200		980.4		118	73.8	119			

Sample ID: 1907836-019AMSD	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: B-7 0-1'	Batch ID: 46247	RunNo: 61535								
Prep Date: 7/18/2019	Analysis Date: 7/19/2019	SeqNo: 2085783 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 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#: 1907836

23-Jul-19

Client: Talon Artesia

Project: Strawberry 7 Fed Com 4H

Sample ID: 1907836-019AMSD		SampType: MSD		TestCode: EPA Method 8015D: Gasoline Range						
Client ID: B-7 0-1'		Batch ID: 46247		RunNo: 61535						
Prep Date: 7/18/2019		Analysis Date: 7/19/2019		SeqNo: 2085783		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	24.90	0	103	69.1	142	1.66	20	
Surr: BFB	1200		996.0		119	73.8	119	0	0	S

- Qualifiers:
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 - D Sample Diluted Due to Matrix
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 - 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#: 1907836

23-Jul-19

Client: Talon Artesia

Project: Strawberry 7 Fed Com 4H

Sample ID: MB-46240	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch ID: 46240			RunNo: 61480						
Prep Date: 7/17/2019	Analysis Date: 7/18/2019			SeqNo: 2084453			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		88.3	80	120			

Sample ID: LCS-46240		SampType: LCS			TestCode: EPA Method 8021B: Volatiles					
Client ID: LCSS		Batch ID: 46240			RunNo: 61480					
Prep Date: 7/17/2019		Analysis Date: 7/18/2019			SeqNo: 2084454		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	94.9	80	120			
Toluene	1.0	0.050	1.000	0	102	80	120			
Ethylbenzene	1.0	0.050	1.000	0	104	80	120			
Xylenes, Total	3.1	0.10	3.000	0	103	80	120			
Surr: 4-Bromofluorobenzene	0.99		1.000		98.6	80	120			

Sample ID: MB-46247	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 46247		RunNo: 61535							
Prep Date: 7/18/2019	Analysis Date: 7/19/2019		SeqNo: 2085802		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		90.1	80	120			

Sample ID: LCS-46247	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: 46247			RunNo: 61535						
Prep Date: 7/18/2019	Analysis Date: 7/19/2019			SeqNo: 2085803			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	91.1	80	120			
Toluene	0.96	0.050	1.000	0	96.0	80	120			
Ethylbenzene	0.93	0.050	1.000	0	93.3	80	120			
Xylenes, Total	2.8	0.10	3.000	0	94.4	80	120			
Surr: 4-Bromofluorobenzene	0.97		1.000		97.3	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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1907836
23-Jul-19

Client: Talon Artesia
Project: Strawberry 7 Fed Com 4H

Sample ID: 1907836-020AMS		SampType: MS			TestCode: EPA Method 8021B: Volatiles					
Client ID: B-7 2'		Batch ID: 46247			RunNo: 61535					
Prep Date: 7/18/2019		Analysis Date: 7/19/2019			SeqNo: 2085810		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.85	0.025	0.9901	0	86.3	63.9	127			
Toluene	0.96	0.050	0.9901	0.004286	96.2	69.9	131			
Ethylbenzene	0.95	0.050	0.9901	0	96.2	71	132			
Xylenes, Total	2.8	0.099	2.970	0	95.8	71.8	131			
Surr: 4-Bromofluorobenzene	0.94		0.9901		95.3	80	120			

Sample ID: 1907836-020AMSD		SampType: MSD			TestCode: EPA Method 8021B: Volatiles					
Client ID: B-7 2'		Batch ID: 46247			RunNo: 61535					
Prep Date: 7/18/2019		Analysis Date: 7/19/2019			SeqNo: 2085811		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.025	0.9881	0	86.8	63.9	127	0.431	20	
Toluene	0.97	0.049	0.9881	0.004286	97.5	69.9	131	1.18	20	
Ethylbenzene	0.95	0.049	0.9881	0	96.6	71	132	0.140	20	
Xylenes, Total	2.9	0.099	2.964	0	96.6	71.8	131	0.603	20	
Surr: 4-Bromofluorobenzene	0.93		0.9881		94.3	80	120	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 Quantitative Limit

S % Recovery outside of range due to dilution or matrix

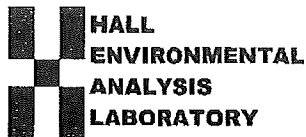
B Analyte detected in the associated Method Blank

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: 1907836

RcptNo: 1

Received By: Erin Melendrez

7/17/2019 8:45:00 AM

Completed By: Isaiah Ortiz

7/17/2019 12:35:22 PM

Reviewed By:

my 07/17/19

U. K. G.

I. O. X.

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 $>0^{\circ}\text{C}$ 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. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒

10. Were any sample containers received broken? Yes ☐ No ☒

11. Does paperwork match bottle labels? Yes ☒ No ☐

(Note discrepancies on chain of custody)

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? Yes ☒ No ☐

(If no, notify customer for authorization.)

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

Adjusted? _____

Checked by: DAD 7/17/19

Special Handling (if applicable)

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

Person Notified:	Date:
By Whom:	Via: <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> 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	3.9	Good	Yes			

Chain-of-Custody Record

Client: Talon LPEMailing Address: 408 W Texas AvePhone #: 575-746-8768
email or Fax#:

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation

☐ NELAP ☐ Other☐ EDD (Type)Project Manager: Chris JonesSampler: Brandon SinclairOn Ice: ☒ Yes ☐ NoSample Temperature: 3.9 (10.00F) = 3.9°C

Container Type and #

Preservative Type

HEAL No.

1907836

402 jar ice

-0011

-002

-003

-004

-005

-006

-007

-008

-009

-016

-011

-012

Date: 7/16/19Time: 10:00Matrix: SoilSample Request ID: B-1 0-1'Date: 7/16/19Time: 10:05Matrix: B-1 2'Sample Request ID: B-1 3'Date: 7/16/19Time: 10:10Matrix: B-2 0-1'Sample Request ID: B-2 2'Date: 7/16/19Time: 10:25Matrix: B-2 3'Sample Request ID: B-3 0-1'Date: 7/16/19Time: 10:30Matrix: B-3 2'Sample Request ID: B-3 3'Date: 7/16/19Time: 10:35Matrix: B-4 0-1'Sample Request ID: B-4 2'Date: 7/16/19Time: 10:50Matrix: B-4 3'Sample Request ID: B-4 3'Date: 7/16/19Time: 10:55Matrix: B-4 3'Sample Request ID: B-4 3'Date: 7/16/19Time: 11:10Matrix: B-4 3'Sample Request ID: B-4 3'Date: 7/16/19Time: 11:15Matrix: B-4 3'Sample Request ID: B-4 3'Date: 7/16/19Time: 11:20Matrix: B-4 3'Sample Request ID: B-4 3'Date: 7/16/19Time: 11:30Matrix: B-4 3'

