Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	NAB1800933700
District RP	2RP-4549
Facility ID	
Application ID	

Closure

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

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

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

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

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

☒ Description of remediation activities

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

Printed Name: Dale Woodall Title: Env. Professional

Signature: Dale Woodall Date: 2/2/2023

email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: Ashley Maxwell Date: 2/03/2023

Printed Name: Ashley Maxwell Title: Environmental Specialist

talonlpe.com • 866.742.0742

TALON LPE

Reclamation and Closure Report

Aldabra 25 Federal Com #2H
Eddy County, New Mexico
API #30-015-38613
2RP-4549

Prepared For:

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

Prepared By:

Talon/LPE
408 West Texas Avenue
Artesia, NM 88210

June 16, 2020

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

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

Subject: **Assessment and Closure Report**
Aldabra 25 Federal Com 2H
Eddy County, New Mexico
API #30-015-38613
2RP-4549

Dear Mr. Bratcher and Mr. Amos,

The Devon Energy Production Company (Devon) has contracted Talon/LPE (Talon) to perform site assessment and remediation services at the above referenced location. The results of our soil sampling, site characterization and closure request are contained herein.

Site Information

The Aldabra 25 Federal Com 2H flowline is located approximately 21 miles east of Loving, New Mexico. The legal location for this release is Unit O, Section 25, Township 23 South, and Range 31 East in Eddy County, New Mexico at 32.26968 North and -103.73083. A site map is presented in Appendix I.

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Service, the soil in this area is made up of Kermit and Berino soils with fine sand encountered at 0 to 60 inches, with 0 to 3 percent slopes. A copy of the soil survey is presented in Appendix II.

Groundwater and Site Characterization

The New Mexico Office of the State Engineer database indicates that the nearest reported groundwater depth is 430-feet below ground surface (BGS) and the average depth to groundwater for the area is 300-feet BGS. The referenced groundwater data is also presented in Appendix II. This site is situated in a low potential Karst area. The Karst map is also appended in Appendix I.

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

Approximate Depth to Groundwater	102 Feet/BGS
☐Yes ☒No	Within 300 feet of any continuously flowing watercourse or any other significant watercourse
☐Yes ☒No	Within 200 feet of any lakebed, sinkhole, or playa lake
☐Yes ☒No	Within 300 feet from an occupied permanent residence, school, hospital, institution, or church
☐Yes ☒No	Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes
☐Yes ☒No	Within 1000 feet of any fresh water well or spring
☐Yes ☒No	Within incorporated municipal boundaries or within a defined Municipal fresh water well field covered under a municipal ordinance adopted pursuant to Section 3-2703 NMSA 1978
☐Yes ☒No	Within 300 feet of a wetland
☐Yes ☒No	Within the area overlying a subsurface mine
☐Yes ☒No	Within an unstable area
☐Yes ☒No	Within a 100-year floodplain

The release did not occur in any of these areas and the depth to groundwater is greater than 100-feet BGS. Therefore, the closure criteria for this site are as follows:

Table I
Closure Criteria for Soils Impacted by a Release

Depth below horizontal extents of release to ground water less than 10,000 mg/l TDS	Constituent	Method	Limit
>100 feet	Total Chlorides	EPA 300.0 or SM4500 Cl B	20,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

Incident Description and Assessment

On December 20, 2017, Devon submitted a form C-141 to the NMOCD (New Mexico Oil Conservation Division). According to the C-141 (Appendix III), at a poly flowline from the Aldabra 25 Fed 2H, the well was damaged near a two-track road from driver impact causing 15 barrels (bbls) of produced water and crude oil loss. The well was shut in at the well head and a vac-truck utilized to recover approximately 1 bbls of the fluid from ground surface. The area of pasture impacted measured by this release encompassed approximately 120' long x 10' wide. Devon completed initial remedial actions by scraping and disposing of the wet soils. Talon/LPE was subsequently contracted to assess and complete site remediation in accordance with NMOCD Guidelines (NMAC 19.15.29).

On April 1, 2020, Talon LPE personnel mobilized to the site to assess and map the Aldabra 25 Fed Com 1 flowline release area. The site was photographed and flagged for New Mexico One Call clearance. Photo documentation is referenced in Appendix IV. Soil samples were collected in the impacted pasture area, properly contained, and preserved. The soil samples were transported to Hall Laboratory, Inc., for analyses of Total Chlorides (EPA Method 300.0), TPH (EPA Method 8015M), and BTEX (Method 8021B). Below is a table recapping the results and the supporting laboratory results are referenced in Appendix V.

April 1, 2020, Sampling Results

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	DRO + GRO combined = 1000 mg/kg			2500 mg/kg	20,000 mg/kg
S-1	4/1/2020	0-1’	ND	ND	ND	ND	ND	ND	ND
S-1		2’	ND	ND	ND	ND	ND	ND	ND
S-1		3’	ND	ND	ND	ND	ND	ND	ND
S-1		4’	ND	ND	ND	ND	ND	ND	ND
S-2		0-1’	ND	ND	ND	ND	ND	ND	ND
S-2		2’	ND	ND	ND	ND	ND	ND	ND
S-2		3’	ND	ND	ND	ND	ND	ND	ND
S-2		4’	ND	ND	ND	ND	ND	ND	ND
S-3		0-1’	ND	ND	ND	ND	ND	ND	ND
S-3		2’	ND	ND	ND	ND	ND	ND	ND
S-3		3’	ND	ND	ND	ND	ND	ND	ND
S-3		4’	ND	ND	ND	ND	ND	ND	ND
S-4		0-1’	ND	ND	ND	ND	ND	ND	ND
S-4		2’	ND	ND	ND	ND	ND	ND	ND
S-4		3’	ND	ND	ND	ND	ND	ND	ND
S-4		4’	ND	ND	ND	ND	ND	ND	ND

ND = Analyte Not Detected

Closure

- Based on the completed initial remedial actions, soil sampling results and site characterization data, further remediation was not deemed necessary.

Therefore, on behalf of Devon Energy Production Company, we respectfully request that no further actions be required, and that closure of the regulatory file associated with this incident be granted.

Respectfully submitted,

TALON/LPE

Digitally signed by Rebecca Pons
DN: cn=Rebecca Pons, o=Talon LPE, ou=Artesia, email=Rpons@talonlpe.com, c=US
Date: 2020.06.22 15:38:45 -06'00'

Rebecca Pons
Project Manager

David J. Adkins

Digitally signed by David J. Adkins
DN: cn=David J. Adkins, o=Talon/LPE, ou=District Manager, email=dadkins@talonlpe.com, c=US
Date: 2020.06.22 15:40:52 -06'00'

David J. Adkins
District Manager

Attachments:
Appendix I Site Plan
Appendix II Soil and Groundwater Data
Appendix III Initial and Final C-141
Appendix IV Photo Documentation
Appendix V Laboratory Report

Eddy Area, New Mexico

KM—Kermit-Berino fine sands, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w4q
Elevation: 3,100 to 4,200 feet
Mean annual precipitation: 10 to 14 inches
Mean annual air temperature: 60 to 64 degrees F
Frost-free period: 190 to 230 days
Farmland classification: Not prime farmland

Map Unit Composition

Kermit and similar soils: 50 percent
Berino and similar soils: 35 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kermit

Setting

Landform: Plains, alluvial fans
Landform position (three-dimensional): Talf, rise
Down-slope shape: Convex, linear
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 7 inches: fine sand
H2 - 7 to 60 inches: fine sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Excessively drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): Very high (20.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Salinity, maximum in profile: Nonsaline (0.0 to 1.0 mmhos/cm)
Sodium adsorption ratio, maximum in profile: 1.0
Available water storage in profile: Low (about 3.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: A
Ecological site: Deep Sand (R042XC005NM)
Hydric soil rating: No

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 17 inches: fine sand
H2 - 17 to 50 inches: fine sandy loam
H3 - 50 to 58 inches: loamy sand

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 7.2 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: Loamy Sand (R042XC003NM)
Hydric soil rating: No

Minor Components

Active dune land

Percent of map unit: 15 percent
Hydric soil rating: No

Data Source Information

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

APPENDIX III

INTIAL C-141

Received on 12/20/17 OCD District II Artesia, NM

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

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

Form C-141
Revised April 3, 2017

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

Release Notification and Corrective Action

NAB1800933700

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Devon Energy Production Company 6137	Contact Randy Gladden, Superintendent
Address 6488 Seven Rivers Hwy Artesia, NM 88210	Telephone No. 575-748-1805
Facility Name Aldabra 25 Federal Com 2H (near the Todd 25O Fed 15)	Facility Type Oil

Surface Owner Federal	Mineral Owner Federal	API No. 30-015-38613

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
O	25	23S	31E					Eddy

Latitude_32.26968_ **Longitude**_103.73083_ NAD83

NATURE OF RELEASE

Type of Release Produced Water & Oil	Volume of Release 10bbls Produced Water & 5bbls Oil	Volume Recovered 1bbl oil
Source of Release Polyflow flowline	Date and Hour of Occurrence December 6, 2017 @ 3:00 PM	Date and Hour of Discovery December 6, 2017 @ 3:00 PM
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Shelly Tucker, BLM Mike Bratcher & Crystal Weaver, OCD	
By Whom? Mike Shoemaker, EHS Professional	Date and Hour December 7, 2017 @ 2:42 PM	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. N/A	

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

Describe Cause of Problem and Remedial Action Taken.* The polyflow flowline from the Aldabra 25 Fed 2H well was damaged near a two track road from someone driving over it. The well was shut in at the well head and a vac truck was dispatched to recover any standing fluids.

Describe Area Affected and Cleanup Action Taken.*
Approximately 10bbls produced water and 5bbls oil were released onto lease road and into the pasture in approximately a 120'x10' area. A vacuum truck was dispatched and recovered approximately 1bbl oil.

An environmental contractor will be contacted to assist with the delineation and remediation of the affected surface. With permission granted from the OCD and BLM the affected surface area will be scraped and the impacted soil will be hauled off for disposal. The impacted areas will be sampled in accordance with NMOCD Guidelines and further remediation of the sites will be based off of these results.

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: Sheila Fisher	OIL CONSERVATION DIVISION
Printed Name: Sheila Fisher	Approved by Environmental Specialist: Crystal Weaver
Title: Field Admin Support	Approval Date: 1/8/18 Expiration Date: N/A
E-mail Address: Sheila.Fisher@dvn.com	Conditions of Approval: see attached Attached ☒ 2RP-4549
Date: 12/11/17 Phone: 575.748.1829	

* Attach Additional Sheets If Necessary

1/8/18 AB

Operator/Responsible Party,

The OCD has received the form C-141 you provided on **12/20/17** regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number 2RP-4549 has been assigned. **Please refer to this case number in all future correspondence.**

It is the Division's obligation under both the Oil & Gas Act and Water Quality Act to provide for the protection of public health and the environment. Our regulations (19.15.29.11 NMAC) state the following,

> *The responsible person shall complete division-approved corrective action for releases that endanger public health or the environment. The responsible person shall address releases in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with 19.15.30 NMAC.* [emphasis added]

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. **As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District II office in Artesia on or before 1/20/18. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.**

The goals of a characterization effort are: 1) determination of the lateral and vertical extents along with the magnitude of soil contamination. 2) determine if groundwater or surface waters have been impacted. 3) If groundwater or surface waters have been impacted, what are the extents and magnitude of that impact. 4) The characterization of any other adverse impacts that may have occurred (examples: impacts on vegetation, impacts on wildlife, air quality, loss of use of property, etc.). To meet these goals as quickly as possible, the following items must, at a minimum, be addressed in the release characterization workplan and subsequent reporting:

- Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C_6 thru C_{36}), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.

- Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C_6 thru C_{36}), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.

- Nominal detection limits for field and laboratory analyses must be provided.

- Composite sampling is not generally allowed.

- Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted

for laboratory analysis from each borehole or test pit (highest observed contamination and deepest depth investigated). Copies of the actual laboratory results must be provided including chain of custody documentation.

●Probable depth to shallowest protectable groundwater and lateral distance to nearest surface water. If there is an estimate of groundwater depth, the information used to arrive at that estimate must be provided. If there is a reasonable assumption that the depth to protectable water is 50 feet or less, the responsible party should anticipate the need for at least one groundwater monitoring well to be installed in the area of likely maximum contamination.

● If groundwater contamination is encountered, an additional investigation workplan may be required to determine the extents of that contamination. Groundwater and/or surface water samples, if any, must be analyzed by a competent laboratory for volatile organic hydrocarbons (typically Method 8260 full list), total dissolved solids, pH, major anions and cations including chloride and sulfate, dissolved iron, and dissolved manganese. The investigation workplan must provide the groundwater sampling method(s) and sample handling protocols. To the fullest extent possible, aqueous analyses must be undertaken using nominal method detection limits. As with the soil analyses, copies of the actual laboratory results must be provided including chain of custody documentation.

● Accurately scaled and well-drafted site maps must be provided providing the location of borings, test pits, monitoring wells, potentially impacted areas, and significant surface features including roads and site infrastructure that might limit either the release characterization or remedial efforts. Field sketches may be included in subsequent reporting, but should not be considered stand-alone documentation of the site's layout. Digital photographic documentation of the location and fieldwork is recommended, especially if unusual circumstances are encountered.

Nothing herein should be interpreted to preclude emergency response actions or to imply immediate remediation by removal cannot proceed as warranted. Nonetheless, characterization of impacts and confirmation of the effectiveness of remedial efforts must still be provided to the OCD before any release incident will be closed.

Jim Griswold
OCD Environmental Bureau Chief
1220 South St. Francis Drive
Santa Fe, New Mexico 87505
505-476-3465
jim.griswold@state.nm.us

Weaver, Crystal, EMNRD

From: Fisher, Sheila <Sheila.Fisher@dvn.com>
Sent: Thursday, January 4, 2018 1:30 PM
To: Weaver, Crystal, EMNRD; Bratcher, Mike, EMNRD; Shelly Tucker (stucker@blm.gov)
Cc: Shoemaker, Mike; Fulks, Brett; Ryan, Wesley; West, Christopher; Carter, Ray; Gladden, Randy
Subject: RE: [EXTERNAL] RE: Aldabra 25 Fed 2H_10bbls pw & 5bbls oil_12.6.17
Attachments: Aldabra 25 Fed 2H_10bbls pw & 5bbls oil_Initial C-141_12.6.17.doc; Doc Holliday 32 State Com 1_Illegal dump unknown amount pw_Initial C-141_12.4.17.doc

Good Afternoon,

Attached please find the updated C-141's for the Aldabra 25 Fed 2H & Doc Holliday 32 State Com 1 to reflect the e-signature's per your request. If we can be of further assistance please contact us.

Thank you,

Sheila Fisher
Field Admin Support
Production
B-Schedule

Devon Energy Corporation
PO Box 250
Artesia, NM 88211
575 748 1829 Direct

devon

From: Weaver, Crystal, EMNRD [mailto:Crystal.Weaver@state.nm.us]
Sent: Friday, December 22, 2017 1:35 PM
To: Fisher, Sheila <Sheila.Fisher@dvn.com>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Shelly Tucker (stucker@blm.gov) <stucker@blm.gov>
Cc: Shoemaker, Mike <Mike.Shoemaker@dvn.com>; Fulks, Brett <Brett.Fulks@dvn.com>; Ryan, Wesley <Wesley.Ryan@dvn.com>; West, Christopher <Christopher.West@dvn.com>
Subject: [EXTERNAL] RE: Aldabra 25 Fed 2H_10bbls pw & 5bbls oil_12.6.17

Shelia,

Our administrative personnel have requested that the portion of our OCD forms that askes for a signature either have an e-signature or be actually hand signed. This C-141 along with the one for Doc Holiday 32 State COM 1 both have your name typed in the same font as what was used on the rest of the form. I apologize for asking for such specifics, but this is what I have been asked to request.

Could you all please resubmit the Initial C-141s with an e-signature or a hand written signature for this one and for the Doc Holiday 32 State COM 1 release.

Thank you kindly,

Crystal Weaver
Environmental Specialist
OCD – Artesia District II
811 S. 1st Street
Artesia, NM 88210
Office: 575-748-1283 ext. 101
Cell: 575-840-5963
Fax: 575-748-9720

From: Fisher, Sheila [mailto:Sheila.Fisher@dvn.com]
Sent: Wednesday, December 20, 2017 3:03 PM
To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Weaver, Crystal, EMNRD <Crystal.Weaver@state.nm.us>; Shelly Tucker (stucker@blm.gov) <stucker@blm.gov>
Cc: Shoemaker, Mike <Mike.Shoemaker@dvn.com>; Fulks, Brett <Brett.Fulks@dvn.com>; Ryan, Wesley <Wesley.Ryan@dvn.com>; West, Christopher <Christopher.West@dvn.com>
Subject: Aldabra 25 Fed 2H_10bbls pw & 5bbls oil_12.6.17

Good Afternoon,

Attached please find the Initial C-141 and GIS Image for the 10bbls produced water & 5bbls oil release from the Aldabra 25 Fed 2H near the Todd 25O Fed 15 on 12.6.17.

If you have any questions please feel free to contact me.

Thank you,

Sheila Fisher
Field Admin Support
Production
B-Schedule

Devon Energy Corporation
PO Box 250
Artesia, NM 88211
575 748 1829 Direct

devon

Bratcher, Mike, EMNRD

From: Shoemaker, Mike <Mike.Shoemaker@dvn.com>
Sent: Thursday, December 7, 2017 2:42 PM
To: Bratcher, Mike, EMNRD; Weaver, Crystal, EMNRD; Shelly Tucker (stucker@blm.gov)
Cc: Fulks, Brett
Subject: Spill notification for the Aldabra 25 Fed 2H (API #30-015-38613)

Good Afternoon,

Devon had the following release occur at 3:00 PM MST on 12/06/17. The incident is described below.

1. Aldabra 25 Fed 2H (API #30-015-38613) near the Todd 25 O Federal 15 (API # 30-015-28860)
    a. The polyflow flowline from the Aldabra 25 Fed 2H well was damaged near a two track road from someone driving over it. The well was shut in at the well head and a vac truck was dispatched to recover any standing fluids. Approximately 15 bbls of an oil and produced water mixture was released and approximately 1 bbl was recovered.

A C-141 will be prepared and submitted with GPS coordinates of the area affected.

Thanks,

Mike Shoemaker
EHS Representative

Devon Energy Corporation
6488 Seven Rivers Highway
Artesia, New Mexico 88210
575-746-5566 Office
575-513-5035 Mobile

devon

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	NAB1800933700
District RP	2RP-4549
Facility ID	
Application ID	

Closure

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

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

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

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

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

☒ Description of remediation activities

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

Printed Name: Dale Woodall Title: Env. Professional

Signature: Dale Woodall Date: 2/2/2023

email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: Ashley Maxwell Date: 2/03/2023

Printed Name: Ashley Maxwell Title: Environmental Specialist

APPENDIX III

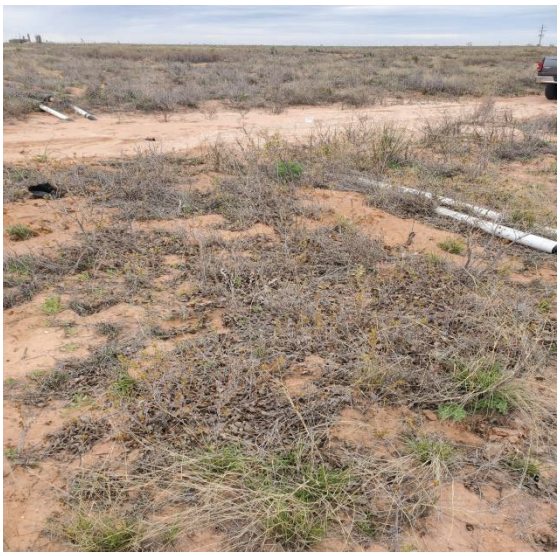
PHOTOGRAPHIC DOCUMENTATION

Devon Energy Aldabra 25 Federal Com 2H

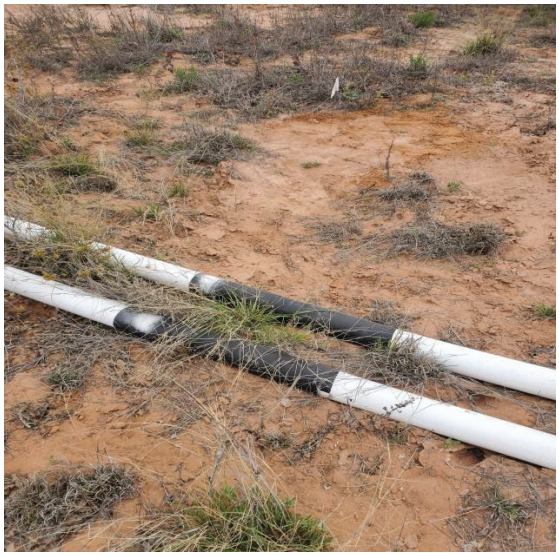
PHOTO DOCUMENTATION

Impacted Area-Vegetation

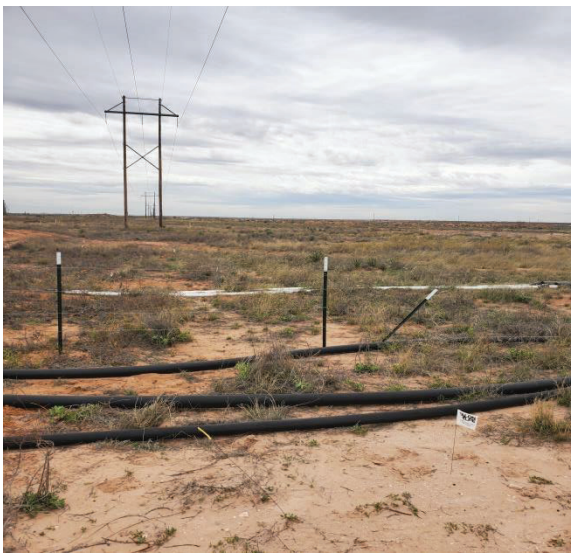
Flowline (source)



Pasture Area



Repaired LInes



Sample Positions

APPENDIX V

LABORATORY DATA

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

April 07, 2020

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

RE: Aldabra 25 Fed Com 1 OrderNo.: 2004065

Dear Rebecca Pons:

Hall Environmental Analysis Laboratory received 16 sample(s) on 4/2/2020 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2004065**
Date Reported: **4/7/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: S-1 0-1'
Project: Aldabra 25 Fed Com 1
Collection Date: 4/1/2020 10:30:00 AM
Lab ID: 2004065-001 **Matrix:** SOIL **Received Date:** 4/2/2020 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**JMT**
Chloride	ND	60		mg/Kg	20	4/5/2020 8:43:44 PM	51566
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst:	**DJF**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/4/2020 5:21:39 PM	51528
Surr: BFB	98.7	70-130		%Rec	1	4/4/2020 5:21:39 PM	51528
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**CLP**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	4/4/2020 10:07:16 AM	51539
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/4/2020 10:07:16 AM	51539
Surr: DNOP	91.0	55.1-146		%Rec	1	4/4/2020 10:07:16 AM	51539
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst:	**DJF**
Benzene	ND	0.024		mg/Kg	1	4/4/2020 5:21:39 PM	51528
Toluene	ND	0.047		mg/Kg	1	4/4/2020 5:21:39 PM	51528
Ethylbenzene	ND	0.047		mg/Kg	1	4/4/2020 5:21:39 PM	51528
Xylenes, Total	ND	0.094		mg/Kg	1	4/4/2020 5:21:39 PM	51528
Surr: 1,2-Dichloroethane-d4	90.4	70-130		%Rec	1	4/4/2020 5:21:39 PM	51528
Surr: 4-Bromofluorobenzene	95.7	70-130		%Rec	1	4/4/2020 5:21:39 PM	51528
Surr: Dibromofluoromethane	95.4	70-130		%Rec	1	4/4/2020 5:21:39 PM	51528
Surr: Toluene-d8	98.7	70-130		%Rec	1	4/4/2020 5:21:39 PM	51528

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

Qualifiers:

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

Analytical Report
Lab Order **2004065**
Date Reported: **4/7/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: S-1 2'
Project: Aldabra 25 Fed Com 1
Collection Date: 4/1/2020 10:40:00 AM
Lab ID: 2004065-002 **Matrix:** SOIL **Received Date:** 4/2/2020 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	4/5/2020 8:56:06 PM	51566
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/4/2020 6:49:37 PM	51528
Surr: BFB	97.2	70-130		%Rec	1	4/4/2020 6:49:37 PM	51528
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	4/4/2020 10:30:52 AM	51539
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	4/4/2020 10:30:52 AM	51539
Surr: DNOP	91.6	55.1-146		%Rec	1	4/4/2020 10:30:52 AM	51539
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.025		mg/Kg	1	4/4/2020 6:49:37 PM	51528
Toluene	ND	0.049		mg/Kg	1	4/4/2020 6:49:37 PM	51528
Ethylbenzene	ND	0.049		mg/Kg	1	4/4/2020 6:49:37 PM	51528
Xylenes, Total	ND	0.099		mg/Kg	1	4/4/2020 6:49:37 PM	51528
Surr: 1,2-Dichloroethane-d4	90.3	70-130		%Rec	1	4/4/2020 6:49:37 PM	51528
Surr: 4-Bromofluorobenzene	92.2	70-130		%Rec	1	4/4/2020 6:49:37 PM	51528
Surr: Dibromofluoromethane	91.4	70-130		%Rec	1	4/4/2020 6:49:37 PM	51528
Surr: Toluene-d8	97.4	70-130		%Rec	1	4/4/2020 6:49:37 PM	51528

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

Qualifiers:

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

Analytical Report
Lab Order **2004065**
Date Reported: **4/7/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: S-1 3'
Project: Aldabra 25 Fed Com 1
Collection Date: 4/1/2020 10:50:00 AM
Lab ID: 2004065-003 **Matrix:** SOIL **Received Date:** 4/2/2020 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	4/5/2020 9:08:27 PM	51566
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/4/2020 8:17:08 PM	51528
Surr: BFB	102	70-130		%Rec	1	4/4/2020 8:17:08 PM	51528
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	4/4/2020 10:54:33 AM	51539
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/4/2020 10:54:33 AM	51539
Surr: DNOP	86.8	55.1-146		%Rec	1	4/4/2020 10:54:33 AM	51539
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.024		mg/Kg	1	4/4/2020 8:17:08 PM	51528
Toluene	ND	0.048		mg/Kg	1	4/4/2020 8:17:08 PM	51528
Ethylbenzene	ND	0.048		mg/Kg	1	4/4/2020 8:17:08 PM	51528
Xylenes, Total	ND	0.095		mg/Kg	1	4/4/2020 8:17:08 PM	51528
Surr: 1,2-Dichloroethane-d4	93.4	70-130		%Rec	1	4/4/2020 8:17:08 PM	51528
Surr: 4-Bromofluorobenzene	97.7	70-130		%Rec	1	4/4/2020 8:17:08 PM	51528
Surr: Dibromofluoromethane	94.9	70-130		%Rec	1	4/4/2020 8:17:08 PM	51528
Surr: Toluene-d8	98.3	70-130		%Rec	1	4/4/2020 8:17:08 PM	51528

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

Qualifiers:

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

Analytical Report
Lab Order **2004065**
Date Reported: **4/7/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: S-1 4'
Project: Aldabra 25 Fed Com 1
Collection Date: 4/1/2020 11:00:00 AM
Lab ID: 2004065-004 **Matrix:** SOIL **Received Date:** 4/2/2020 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	59		mg/Kg	20	4/5/2020 9:45:30 PM	51566
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/4/2020 8:46:33 PM	51528
Surr: BFB	100	70-130		%Rec	1	4/4/2020 8:46:33 PM	51528
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	4/4/2020 11:18:17 AM	51539
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/4/2020 11:18:17 AM	51539
Surr: DNOP	87.0	55.1-146		%Rec	1	4/4/2020 11:18:17 AM	51539
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.024		mg/Kg	1	4/4/2020 8:46:33 PM	51528
Toluene	ND	0.049		mg/Kg	1	4/4/2020 8:46:33 PM	51528
Ethylbenzene	ND	0.049		mg/Kg	1	4/4/2020 8:46:33 PM	51528
Xylenes, Total	ND	0.097		mg/Kg	1	4/4/2020 8:46:33 PM	51528
Surr: 1,2-Dichloroethane-d4	91.7	70-130		%Rec	1	4/4/2020 8:46:33 PM	51528
Surr: 4-Bromofluorobenzene	96.9	70-130		%Rec	1	4/4/2020 8:46:33 PM	51528
Surr: Dibromofluoromethane	93.8	70-130		%Rec	1	4/4/2020 8:46:33 PM	51528
Surr: Toluene-d8	101	70-130		%Rec	1	4/4/2020 8:46:33 PM	51528

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

Qualifiers:

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

Analytical Report
Lab Order **2004065**
Date Reported: **4/7/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: S-2 0-1'
Project: Aldabra 25 Fed Com 1
Collection Date: 4/1/2020 11:10:00 AM
Lab ID: 2004065-005 **Matrix:** SOIL **Received Date:** 4/2/2020 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	4/5/2020 9:57:50 PM	51566
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/4/2020 9:16:21 PM	51528
Surr: BFB	99.8	70-130		%Rec	1	4/4/2020 9:16:21 PM	51528
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	4/4/2020 11:42:02 AM	51539
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/4/2020 11:42:02 AM	51539
Surr: DNOP	89.9	55.1-146		%Rec	1	4/4/2020 11:42:02 AM	51539
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.025		mg/Kg	1	4/4/2020 9:16:21 PM	51528
Toluene	ND	0.050		mg/Kg	1	4/4/2020 9:16:21 PM	51528
Ethylbenzene	ND	0.050		mg/Kg	1	4/4/2020 9:16:21 PM	51528
Xylenes, Total	ND	0.099		mg/Kg	1	4/4/2020 9:16:21 PM	51528
Surr: 1,2-Dichloroethane-d4	91.5	70-130		%Rec	1	4/4/2020 9:16:21 PM	51528
Surr: 4-Bromofluorobenzene	97.7	70-130		%Rec	1	4/4/2020 9:16:21 PM	51528
Surr: Dibromofluoromethane	93.3	70-130		%Rec	1	4/4/2020 9:16:21 PM	51528
Surr: Toluene-d8	97.3	70-130		%Rec	1	4/4/2020 9:16:21 PM	51528

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

Qualifiers:

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

Analytical Report
Lab Order **2004065**
Date Reported: **4/7/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: S-2 2'
Project: Aldabra 25 Fed Com 1
Collection Date: 4/1/2020 11:20:00 AM
Lab ID: 2004065-006 **Matrix:** SOIL **Received Date:** 4/2/2020 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	4/5/2020 10:10:11 PM	51566
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/4/2020 9:45:46 PM	51528
Surr: BFB	99.0	70-130		%Rec	1	4/4/2020 9:45:46 PM	51528
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	4/4/2020 12:05:53 PM	51539
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/4/2020 12:05:53 PM	51539
Surr: DNOP	88.3	55.1-146		%Rec	1	4/4/2020 12:05:53 PM	51539
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.024		mg/Kg	1	4/4/2020 9:45:46 PM	51528
Toluene	ND	0.048		mg/Kg	1	4/4/2020 9:45:46 PM	51528
Ethylbenzene	ND	0.048		mg/Kg	1	4/4/2020 9:45:46 PM	51528
Xylenes, Total	ND	0.097		mg/Kg	1	4/4/2020 9:45:46 PM	51528
Surr: 1,2-Dichloroethane-d4	88.7	70-130		%Rec	1	4/4/2020 9:45:46 PM	51528
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	4/4/2020 9:45:46 PM	51528
Surr: Dibromofluoromethane	90.0	70-130		%Rec	1	4/4/2020 9:45:46 PM	51528
Surr: Toluene-d8	100	70-130		%Rec	1	4/4/2020 9:45:46 PM	51528

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

Qualifiers:

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

Analytical Report
Lab Order **2004065**
Date Reported: **4/7/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: S-2 3'
Project: Aldabra 25 Fed Com 1
Collection Date: 4/1/2020 11:30:00 AM
Lab ID: 2004065-007 **Matrix:** SOIL **Received Date:** 4/2/2020 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	4/5/2020 10:22:32 PM	51566
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/4/2020 10:15:30 PM	51528
Surr: BFB	101	70-130		%Rec	1	4/4/2020 10:15:30 PM	51528
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/4/2020 12:29:46 PM	51539
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/4/2020 12:29:46 PM	51539
Surr: DNOP	87.7	55.1-146		%Rec	1	4/4/2020 12:29:46 PM	51539
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.024		mg/Kg	1	4/4/2020 10:15:30 PM	51528
Toluene	ND	0.048		mg/Kg	1	4/4/2020 10:15:30 PM	51528
Ethylbenzene	ND	0.048		mg/Kg	1	4/4/2020 10:15:30 PM	51528
Xylenes, Total	ND	0.096		mg/Kg	1	4/4/2020 10:15:30 PM	51528
Surr: 1,2-Dichloroethane-d4	90.6	70-130		%Rec	1	4/4/2020 10:15:30 PM	51528
Surr: 4-Bromofluorobenzene	93.8	70-130		%Rec	1	4/4/2020 10:15:30 PM	51528
Surr: Dibromofluoromethane	93.6	70-130		%Rec	1	4/4/2020 10:15:30 PM	51528
Surr: Toluene-d8	98.5	70-130		%Rec	1	4/4/2020 10:15:30 PM	51528

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

Qualifiers:

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

Analytical Report
Lab Order **2004065**
Date Reported: **4/7/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: S-2 4'
Project: Aldabra 25 Fed Com 1
Collection Date: 4/1/2020 11:40:00 AM
Lab ID: 2004065-008 **Matrix:** SOIL **Received Date:** 4/2/2020 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	4/5/2020 10:34:53 PM	51566
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/5/2020 1:43:33 AM	51528
Surr: BFB	98.9	70-130		%Rec	1	4/5/2020 1:43:33 AM	51528
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/4/2020 12:53:45 PM	51539
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/4/2020 12:53:45 PM	51539
Surr: DNOP	89.5	55.1-146		%Rec	1	4/4/2020 12:53:45 PM	51539
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.024		mg/Kg	1	4/5/2020 1:43:33 AM	51528
Toluene	ND	0.049		mg/Kg	1	4/5/2020 1:43:33 AM	51528
Ethylbenzene	ND	0.049		mg/Kg	1	4/5/2020 1:43:33 AM	51528
Xylenes, Total	ND	0.098		mg/Kg	1	4/5/2020 1:43:33 AM	51528
Surr: 1,2-Dichloroethane-d4	88.3	70-130		%Rec	1	4/5/2020 1:43:33 AM	51528
Surr: 4-Bromofluorobenzene	92.5	70-130		%Rec	1	4/5/2020 1:43:33 AM	51528
Surr: Dibromofluoromethane	91.3	70-130		%Rec	1	4/5/2020 1:43:33 AM	51528
Surr: Toluene-d8	98.6	70-130		%Rec	1	4/5/2020 1:43:33 AM	51528

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

Qualifiers:

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

Analytical Report
Lab Order **2004065**
Date Reported: **4/7/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: S-3 0-1'
Project: Aldabra 25 Fed Com 1
Collection Date: 4/1/2020 11:50:00 AM
Lab ID: 2004065-009 **Matrix:** SOIL **Received Date:** 4/2/2020 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	4/5/2020 10:47:13 PM	51566
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/5/2020 2:13:18 AM	51528
Surr: BFB	97.8	70-130		%Rec	1	4/5/2020 2:13:18 AM	51528
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	4/4/2020 1:17:51 PM	51539
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/4/2020 1:17:51 PM	51539
Surr: DNOP	89.1	55.1-146		%Rec	1	4/4/2020 1:17:51 PM	51539
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.024		mg/Kg	1	4/5/2020 2:13:18 AM	51528
Toluene	ND	0.049		mg/Kg	1	4/5/2020 2:13:18 AM	51528
Ethylbenzene	ND	0.049		mg/Kg	1	4/5/2020 2:13:18 AM	51528
Xylenes, Total	ND	0.097		mg/Kg	1	4/5/2020 2:13:18 AM	51528
Surr: 1,2-Dichloroethane-d4	88.6	70-130		%Rec	1	4/5/2020 2:13:18 AM	51528
Surr: 4-Bromofluorobenzene	95.3	70-130		%Rec	1	4/5/2020 2:13:18 AM	51528
Surr: Dibromofluoromethane	91.2	70-130		%Rec	1	4/5/2020 2:13:18 AM	51528
Surr: Toluene-d8	97.0	70-130		%Rec	1	4/5/2020 2:13:18 AM	51528

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

Qualifiers:

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

Analytical Report
Lab Order **2004065**
Date Reported: **4/7/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: S-3 2'
Project: Aldabra 25 Fed Com 1
Collection Date: 4/1/2020 12:00:00 PM
Lab ID: 2004065-010 **Matrix:** SOIL **Received Date:** 4/2/2020 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	4/5/2020 10:59:33 PM	51566
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	4/5/2020 2:43:01 AM	51528
Surr: BFB	101	70-130		%Rec	1	4/5/2020 2:43:01 AM	51528
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	4/4/2020 1:42:00 PM	51539
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/4/2020 1:42:00 PM	51539
Surr: DNOP	89.1	55.1-146		%Rec	1	4/4/2020 1:42:00 PM	51539
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.023		mg/Kg	1	4/5/2020 2:43:01 AM	51528
Toluene	ND	0.046		mg/Kg	1	4/5/2020 2:43:01 AM	51528
Ethylbenzene	ND	0.046		mg/Kg	1	4/5/2020 2:43:01 AM	51528
Xylenes, Total	ND	0.092		mg/Kg	1	4/5/2020 2:43:01 AM	51528
Surr: 1,2-Dichloroethane-d4	93.4	70-130		%Rec	1	4/5/2020 2:43:01 AM	51528
Surr: 4-Bromofluorobenzene	96.4	70-130		%Rec	1	4/5/2020 2:43:01 AM	51528
Surr: Dibromofluoromethane	96.3	70-130		%Rec	1	4/5/2020 2:43:01 AM	51528
Surr: Toluene-d8	98.9	70-130		%Rec	1	4/5/2020 2:43:01 AM	51528

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

Qualifiers:

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

Analytical Report
Lab Order **2004065**
Date Reported: **4/7/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: S-3 3'
Project: Aldabra 25 Fed Com 1
Collection Date: 4/1/2020 12:10:00 PM
Lab ID: 2004065-011 **Matrix:** SOIL **Received Date:** 4/2/2020 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	4/5/2020 11:11:54 PM	51566
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/5/2020 3:12:40 AM	51528
Surr: BFB	102	70-130		%Rec	1	4/5/2020 3:12:40 AM	51528
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	4/4/2020 2:06:13 PM	51539
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/4/2020 2:06:13 PM	51539
Surr: DNOP	90.1	55.1-146		%Rec	1	4/4/2020 2:06:13 PM	51539
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.024		mg/Kg	1	4/5/2020 3:12:40 AM	51528
Toluene	ND	0.049		mg/Kg	1	4/5/2020 3:12:40 AM	51528
Ethylbenzene	ND	0.049		mg/Kg	1	4/5/2020 3:12:40 AM	51528
Xylenes, Total	ND	0.098		mg/Kg	1	4/5/2020 3:12:40 AM	51528
Surr: 1,2-Dichloroethane-d4	87.0	70-130		%Rec	1	4/5/2020 3:12:40 AM	51528
Surr: 4-Bromofluorobenzene	94.6	70-130		%Rec	1	4/5/2020 3:12:40 AM	51528
Surr: Dibromofluoromethane	91.4	70-130		%Rec	1	4/5/2020 3:12:40 AM	51528
Surr: Toluene-d8	98.9	70-130		%Rec	1	4/5/2020 3:12:40 AM	51528

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

Qualifiers:

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

Analytical Report
Lab Order **2004065**
Date Reported: **4/7/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: S-3 4'
Project: Aldabra 25 Fed Com 1
Collection Date: 4/1/2020 12:20:00 PM
Lab ID: 2004065-012 **Matrix:** SOIL **Received Date:** 4/2/2020 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	59		mg/Kg	20	4/5/2020 11:24:15 PM	51566
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/5/2020 3:42:20 AM	51528
Surr: BFB	98.6	70-130		%Rec	1	4/5/2020 3:42:20 AM	51528
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	4/4/2020 2:30:32 PM	51539
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/4/2020 2:30:32 PM	51539
Surr: DNOP	85.7	55.1-146		%Rec	1	4/4/2020 2:30:32 PM	51539
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.025		mg/Kg	1	4/5/2020 3:42:20 AM	51528
Toluene	ND	0.049		mg/Kg	1	4/5/2020 3:42:20 AM	51528
Ethylbenzene	ND	0.049		mg/Kg	1	4/5/2020 3:42:20 AM	51528
Xylenes, Total	ND	0.098		mg/Kg	1	4/5/2020 3:42:20 AM	51528
Surr: 1,2-Dichloroethane-d4	86.7	70-130		%Rec	1	4/5/2020 3:42:20 AM	51528
Surr: 4-Bromofluorobenzene	94.0	70-130		%Rec	1	4/5/2020 3:42:20 AM	51528
Surr: Dibromofluoromethane	90.1	70-130		%Rec	1	4/5/2020 3:42:20 AM	51528
Surr: Toluene-d8	97.7	70-130		%Rec	1	4/5/2020 3:42:20 AM	51528

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

Qualifiers:

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

Analytical Report
Lab Order **2004065**
Date Reported: **4/7/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: S-4 0-1'
Project: Aldabra 25 Fed Com 1
Collection Date: 4/1/2020 12:30:00 PM
Lab ID: 2004065-013 **Matrix:** SOIL **Received Date:** 4/2/2020 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	4/5/2020 11:36:36 PM	51566
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/5/2020 4:11:58 AM	51528
Surr: BFB	102	70-130		%Rec	1	4/5/2020 4:11:58 AM	51528
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	4/5/2020 8:22:52 AM	51539
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/5/2020 8:22:52 AM	51539
Surr: DNOP	83.8	55.1-146		%Rec	1	4/5/2020 8:22:52 AM	51539
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.024		mg/Kg	1	4/5/2020 4:11:58 AM	51528
Toluene	ND	0.049		mg/Kg	1	4/5/2020 4:11:58 AM	51528
Ethylbenzene	ND	0.049		mg/Kg	1	4/5/2020 4:11:58 AM	51528
Xylenes, Total	ND	0.098		mg/Kg	1	4/5/2020 4:11:58 AM	51528
Surr: 1,2-Dichloroethane-d4	84.6	70-130		%Rec	1	4/5/2020 4:11:58 AM	51528
Surr: 4-Bromofluorobenzene	99.5	70-130		%Rec	1	4/5/2020 4:11:58 AM	51528
Surr: Dibromofluoromethane	90.2	70-130		%Rec	1	4/5/2020 4:11:58 AM	51528
Surr: Toluene-d8	97.7	70-130		%Rec	1	4/5/2020 4:11:58 AM	51528

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

Qualifiers:

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

Analytical Report
Lab Order **2004065**
Date Reported: **4/7/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: S-4 2'
Project: Aldabra 25 Fed Com 1
Collection Date: 4/1/2020 12:40:00 PM
Lab ID: 2004065-014 **Matrix:** SOIL **Received Date:** 4/2/2020 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	4/6/2020 12:13:39 AM	51566
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/5/2020 4:41:33 AM	51528
Surr: BFB	98.3	70-130		%Rec	1	4/5/2020 4:41:33 AM	51528
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	4/5/2020 8:46:22 AM	51539
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/5/2020 8:46:22 AM	51539
Surr: DNOP	83.7	55.1-146		%Rec	1	4/5/2020 8:46:22 AM	51539
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.024		mg/Kg	1	4/5/2020 4:41:33 AM	51528
Toluene	ND	0.048		mg/Kg	1	4/5/2020 4:41:33 AM	51528
Ethylbenzene	ND	0.048		mg/Kg	1	4/5/2020 4:41:33 AM	51528
Xylenes, Total	ND	0.096		mg/Kg	1	4/5/2020 4:41:33 AM	51528
Surr: 1,2-Dichloroethane-d4	88.5	70-130		%Rec	1	4/5/2020 4:41:33 AM	51528
Surr: 4-Bromofluorobenzene	93.6	70-130		%Rec	1	4/5/2020 4:41:33 AM	51528
Surr: Dibromofluoromethane	89.9	70-130		%Rec	1	4/5/2020 4:41:33 AM	51528
Surr: Toluene-d8	96.1	70-130		%Rec	1	4/5/2020 4:41:33 AM	51528

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

Qualifiers:

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

Analytical Report
Lab Order **2004065**
Date Reported: **4/7/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: S-4 3'
Project: Aldabra 25 Fed Com 1
Collection Date: 4/1/2020 12:50:00 PM
Lab ID: 2004065-015 **Matrix:** SOIL **Received Date:** 4/2/2020 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	59		mg/Kg	20	4/6/2020 12:25:59 AM	51566
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/5/2020 5:10:47 AM	51528
Surr: BFB	96.5	70-130		%Rec	1	4/5/2020 5:10:47 AM	51528
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/5/2020 9:09:58 AM	51539
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/5/2020 9:09:58 AM	51539
Surr: DNOP	83.6	55.1-146		%Rec	1	4/5/2020 9:09:58 AM	51539
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.024		mg/Kg	1	4/5/2020 5:10:47 AM	51528
Toluene	ND	0.048		mg/Kg	1	4/5/2020 5:10:47 AM	51528
Ethylbenzene	ND	0.048		mg/Kg	1	4/5/2020 5:10:47 AM	51528
Xylenes, Total	ND	0.096		mg/Kg	1	4/5/2020 5:10:47 AM	51528
Surr: 1,2-Dichloroethane-d4	90.4	70-130		%Rec	1	4/5/2020 5:10:47 AM	51528
Surr: 4-Bromofluorobenzene	93.5	70-130		%Rec	1	4/5/2020 5:10:47 AM	51528
Surr: Dibromofluoromethane	90.7	70-130		%Rec	1	4/5/2020 5:10:47 AM	51528
Surr: Toluene-d8	96.5	70-130		%Rec	1	4/5/2020 5:10:47 AM	51528

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

Qualifiers:

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

Analytical Report
Lab Order **2004065**
Date Reported: **4/7/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: S-4 4'
Project: Aldabra 25 Fed Com 1
Collection Date: 4/1/2020 1:00:00 PM
Lab ID: 2004065-016 **Matrix:** SOIL **Received Date:** 4/2/2020 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	59		mg/Kg	20	4/6/2020 12:38:19 AM	51566
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/5/2020 5:40:01 AM	51528
Surr: BFB	99.5	70-130		%Rec	1	4/5/2020 5:40:01 AM	51528
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/5/2020 9:33:37 AM	51539
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/5/2020 9:33:37 AM	51539
Surr: DNOP	85.1	55.1-146		%Rec	1	4/5/2020 9:33:37 AM	51539
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.024		mg/Kg	1	4/5/2020 5:40:01 AM	51528
Toluene	ND	0.048		mg/Kg	1	4/5/2020 5:40:01 AM	51528
Ethylbenzene	ND	0.048		mg/Kg	1	4/5/2020 5:40:01 AM	51528
Xylenes, Total	ND	0.095		mg/Kg	1	4/5/2020 5:40:01 AM	51528
Surr: 1,2-Dichloroethane-d4	89.8	70-130		%Rec	1	4/5/2020 5:40:01 AM	51528
Surr: 4-Bromofluorobenzene	95.5	70-130		%Rec	1	4/5/2020 5:40:01 AM	51528
Surr: Dibromofluoromethane	92.6	70-130		%Rec	1	4/5/2020 5:40:01 AM	51528
Surr: Toluene-d8	99.8	70-130		%Rec	1	4/5/2020 5:40:01 AM	51528

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

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2004065**

07-Apr-20

Client: Talon Artesia

Project: Aldabra 25 Fed Com 1

Sample ID: **MB-51566**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **51566**	RunNo: **67873**							
Prep Date: **4/5/2020**	Analysis Date: **4/5/2020**	SeqNo: **2344711**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-51566**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **51566**	RunNo: **67873**							
Prep Date: **4/5/2020**	Analysis Date: **4/5/2020**	SeqNo: **2344712**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.4	90	110			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2004065**

07-Apr-20

Client: Talon Artesia

Project: Aldabra 25 Fed Com 1

Sample ID: **MB-51539**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **51539**	RunNo: **67838**
Prep Date: **4/3/2020**	Analysis Date: **4/4/2020**	SeqNo: **2344027** 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	8.8		10.00		87.6	55.1	146			

Sample ID: **LCS-51539**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **51539**	RunNo: **67838**
Prep Date: **4/3/2020**	Analysis Date: **4/4/2020**	SeqNo: **2344028** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	96.6	70	130			
Surr: DNOP	4.4		5.000		88.2	55.1	146			

Sample ID: **MB-51554**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **51554**	RunNo: **67859**
Prep Date: **4/4/2020**	Analysis Date: **4/6/2020**	SeqNo: **2345130** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		100	55.1	146			

Sample ID: **LCS-51554**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **51554**	RunNo: **67859**
Prep Date: **4/4/2020**	Analysis Date: **4/6/2020**	SeqNo: **2345131** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.4		5.000		87.3	55.1	146			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2004065**

07-Apr-20

Client: Talon Artesia

Project: Aldabra 25 Fed Com 1

Sample ID: **mb-51528** SampType: **MBLK** TestCode: **EPA Method 8260B: Volatiles Short List**

Client ID: **PBS** Batch ID: **51528** RunNo: **67853**

Prep Date: **4/2/2020** Analysis Date: **4/4/2020** SeqNo: **2343875** 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: 1,2-Dichloroethane-d4	0.44		0.5000		88.2	70	130			
Surr: 4-Bromofluorobenzene	0.48		0.5000		95.4	70	130			
Surr: Dibromofluoromethane	0.47		0.5000		93.0	70	130			
Surr: Toluene-d8	0.50		0.5000		99.6	70	130			

Sample ID: **lcs-51528** SampType: **LCS4** TestCode: **EPA Method 8260B: Volatiles Short List**

Client ID: **BatchQC** Batch ID: **51528** RunNo: **67853**

Prep Date: **4/2/2020** Analysis Date: **4/4/2020** SeqNo: **2343876** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	1.000	0	89.5	80	120			
Toluene	1.0	0.050	1.000	0	103	80	120			
Ethylbenzene	1.0	0.050	1.000	0	104	80	120			
Xylenes, Total	3.0	0.10	3.000	0	101	80	120			
Surr: 4-Bromofluorobenzene	0.48		0.5000		95.8	70	130			
Surr: Toluene-d8	0.51		0.5000		102	70	130			

Sample ID: **2004065-002ams** SampType: **MS4** TestCode: **EPA Method 8260B: Volatiles Short List**

Client ID: **S-1 2'** Batch ID: **51528** RunNo: **67853**

Prep Date: **4/2/2020** Analysis Date: **4/4/2020** SeqNo: **2343879** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.024	0.9737	0	90.4	80	120			
Toluene	0.98	0.049	0.9737	0	100	80	120			
Ethylbenzene	1.0	0.049	0.9737	0	103	80	120			
Xylenes, Total	2.9	0.097	2.921	0	99.7	80	120			
Surr: 4-Bromofluorobenzene	0.46		0.4869		95.5	70	130			
Surr: Toluene-d8	0.48		0.4869		98.7	70	130			

Sample ID: **2004065-002amsd** SampType: **MSD4** TestCode: **EPA Method 8260B: Volatiles Short List**

Client ID: **S-1 2'** Batch ID: **51528** RunNo: **67853**

Prep Date: **4/2/2020** Analysis Date: **4/4/2020** SeqNo: **2343880** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.024	0.9588	0	91.5	80	120	0.361	20	
Toluene	1.0	0.048	0.9588	0	105	80	120	2.94	20	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2004065**

07-Apr-20

Client: Talon Artesia

Project: Aldabra 25 Fed Com 1

Sample ID: **2004065-002amsd** SampType: **MSD4** TestCode: **EPA Method 8260B: Volatiles Short List**

Client ID: **S-1 2'** Batch ID: **51528** RunNo: **67853**

Prep Date: **4/2/2020** Analysis Date: **4/4/2020** SeqNo: **2343880** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Ethylbenzene	1.0	0.048	0.9588	0	104	80	120	0.542	20	
Xylenes, Total	3.0	0.096	2.876	0	104	80	120	2.93	20	
Surr: 4-Bromofluorobenzene	0.46		0.4794		95.5	70	130	0	0	
Surr: Toluene-d8	0.48		0.4794		100	70	130	0	0	

Sample ID: **mb-51530** SampType: **MBLK** TestCode: **EPA Method 8260B: Volatiles Short List**

Client ID: **PBS** Batch ID: **51530** RunNo: **67853**

Prep Date: **4/2/2020** Analysis Date: **4/5/2020** SeqNo: **2343895** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	0.43		0.5000		85.8	70	130			
Surr: 4-Bromofluorobenzene	0.49		0.5000		97.4	70	130			
Surr: Dibromofluoromethane	0.45		0.5000		89.1	70	130			
Surr: Toluene-d8	0.49		0.5000		97.3	70	130			

Sample ID: **lcs-51530** SampType: **LCS4** TestCode: **EPA Method 8260B: Volatiles Short List**

Client ID: **BatchQC** Batch ID: **51530** RunNo: **67853**

Prep Date: **4/2/2020** Analysis Date: **4/5/2020** SeqNo: **2343896** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.48		0.5000		95.1	70	130			
Surr: Toluene-d8	0.50		0.5000		99.2	70	130			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2004065**

07-Apr-20

Client: Talon Artesia

Project: Aldabra 25 Fed Com 1

Sample ID: **mb-51528**	SampType: **MBLK**	TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **PBS**	Batch ID: **51528**	RunNo: **67853**
Prep Date: **4/2/2020**	Analysis Date: **4/4/2020**	SeqNo: **2343912** 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	490		500.0		98.2	70	130			

Sample ID: **lcs-51528**	SampType: **LCS**	TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **LCSS**	Batch ID: **51528**	RunNo: **67853**
Prep Date: **4/2/2020**	Analysis Date: **4/4/2020**	SeqNo: **2343913** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	95.6	70	130			
Surr: BFB	490		500.0		98.3	70	130			

Sample ID: **2004065-001ams**	SampType: **MS**	TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **S-1 0-1'**	Batch ID: **51528**	RunNo: **67853**
Prep Date: **4/2/2020**	Analysis Date: **4/4/2020**	SeqNo: **2343915** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	4.8	24.20	0	94.8	70	130			
Surr: BFB	490		484.0		102	70	130			

Sample ID: **2004065-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **S-1 0-1'**	Batch ID: **51528**	RunNo: **67853**
Prep Date: **4/2/2020**	Analysis Date: **4/4/2020**	SeqNo: **2343916** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	4.8	23.97	0	94.8	70	130	1.01	20	
Surr: BFB	480		479.4		100	70	130	0	0	

Sample ID: **mb-51530**	SampType: **MBLK**	TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **PBS**	Batch ID: **51530**	RunNo: **67853**
Prep Date: **4/2/2020**	Analysis Date: **4/5/2020**	SeqNo: **2343932** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	490		500.0		97.5	70	130			

Sample ID: **lcs-51530**	SampType: **LCS**	TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **LCSS**	Batch ID: **51530**	RunNo: **67853**
Prep Date: **4/2/2020**	Analysis Date: **4/5/2020**	SeqNo: **2343933** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	500		500.0		101	70	130			

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: TALON ARTESIA Work Order Number: 2004065 RcptNo: 1

Received By: **Isaiah Ortiz** 4/2/2020 8:30:00 AM I-OX

Completed By: **John Caldwell** 4/2/2020 9:27:56 AM John Caldwell

Reviewed By: IO 4/2/20

Chain of Custody

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

Log In

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

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)
Adjusted? _____
Checked by: DAD 4/2/20

Special Handling (if applicable)

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

Person Notified: _____ Date _____
By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding: _____
Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.4	Good				
2	1.2	Good				

Chain-of-Custody Record

Client: Talon LPE

408 W Texas St

Mailing Address: Artesia, NM 88210

Phone #: 575-441-0980

email or Fax#: (575) 746-8905

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time: 5-DAY

☒ Standard ☐ Rush

Project Name: ALDABRA 25 FEDCOM 1

Project #: 700794.330.01

Project Manager: R. PONS

Sampler: MICHAEL COLLIER

On Ice: ☒ Yes ☐ No

# of Coolers: 2 1.6-02[C] 1.4°C

Cooler Temp(including CF): 1.4-02[C] 1.2°C

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2004065	Analysis Request: (BTEX) MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	(Cl), F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
4/1/20	10:30	SOIL	S-1 0-1'	GLASS 1	ICE/COOL	-001	✓	✓					✓			
	10:40		S-1 2'			-002										
	10:50		S-1 3'			-003										
	11:00		S-1 4'			-004										
	11:10		S-2 0-1'			-005										
	11:20		S-2 2'			-006										
	11:30		S-2 3'			-007										
	11:40		S-2 4'			-008										
	11:50		S-3 0-1'			-009										
	12:00		S-3 2'			-010										
	12:10		S-3 3'			-011										
4/1/20	12:20	SOIL	S-3 4'	GLASS 1	ICE/COOL	-012	✓	✓					✓			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
4/1/20	1615	[signature]	[signature]	courier	4/2/20	0830
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time

Remarks: Please cc the following via email:
Dadkins@talonlpe.com
Rpons@talonlpe.com
mcollier@talonlpe.com

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

Chain-of-Custody Record

Client: Talon LPE

408 W Texas St

Mailing Address: Artesia, NM 88210

Phone #: 575-441-0980

email or Fax#: (575) 746-8905

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time: 5-DAY

☒ Standard ☐ Rush

Project Name: ALDABRA 25 FED COM 1

Project #: 700784.330.01

Project Manager: R. PONS

Sampler: MICHAEL COLLIER

On Ice: ☒ Yes ☐ No

# of Coolers: 2 1.6-0.2(CF) 1.4°C

Cooler Temp(including CF): 1.4-0.2(CF) 1.2°C

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2004065	Analysis Request: BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
4/1/20	12:30	SOIL	S-4 0-1'	GLASS 1	ICE/COOL	-013	✓	✓					✓			
"	12:40	"	S-4 2'	"	"	-014	"	"					"			
"	12:50	"	S-4 3'	"	"	-015	"	"					"			
4/1/20	1:00	SOIL	S-4 4'	GLASS 1	ICE/COOL	-016	✓	✓					✓			

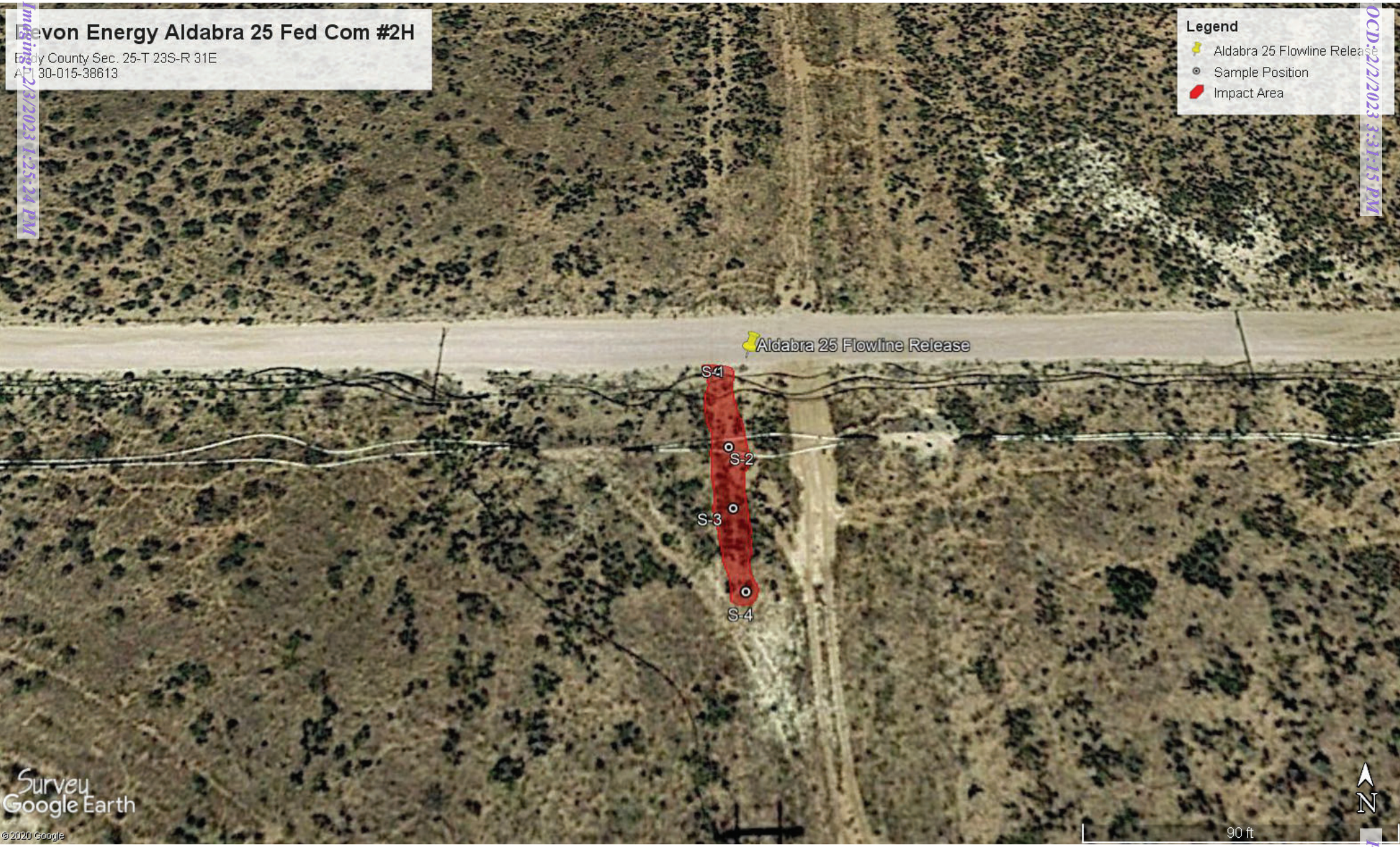
Date	Time	Relinquished by:	Received by:	Via:	Date	Time
4/1/20	4:15	[signature]	[signature]		4/1/20	
Date	Time	Relinquished by:	Received by:	Via:	Date	Time
				T-C courier	4/2/20	0830

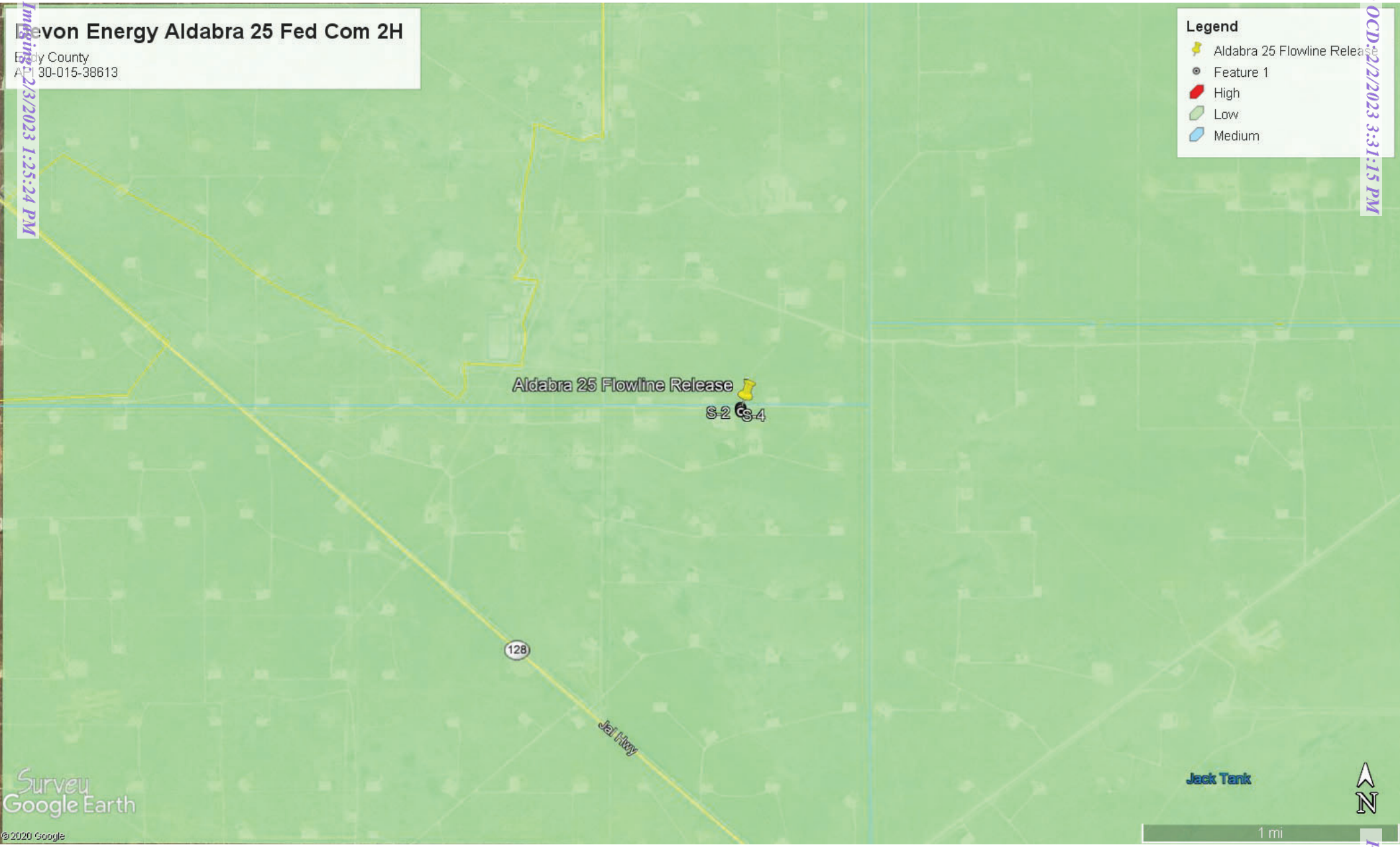
Remarks: Please cc the following via email:
Dadkins@talonlpe.com
Rpons@talonlpe.com
Mcollier@talonlpe.com

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

APPENDIX I

SITE MAPS





APPENDIX II

GROUNDWATER DATA

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

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

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	DepthWell	DepthWater	Water Column
C 02258		C	ED		3	2	26	23S	31E	618055	3571853*	662		
C 02348		C	ED	1	4	3	26	23S	31E	617648	3571068	700	430	270
C 02492		CUB	ED	4	4	4	06	23S	31E	612056	3577320*	135	85	50
C 02492 POD2		C	ED	3	2	2	07	23S	31E	611767	3576996	400	125	275
C 02664		CUB	ED	3	3	2	05	23S	31E	613049	3578138*	4291	354	3937
C 02725		CUB	ED	1	1	1	05	23S	31E	612240	3578731*	532		
C 02773		CUB	ED	4	1	3	03	23S	31E	615668	3577762*	880		
C 02774		CUB	ED	3	1	3	04	23S	31E	613857	3577745*	1660		
C 02775		CUB	ED	1	1	1	05	23S	31E	612240	3578731*	529		
C 02776		CUB	ED	2	1	1	05	23S	31E	612440	3578731*	661		
C 02777		CUB	ED	4	4	4	10	23S	31E	616974	3575662	890		
C 02865		CUB	ED	4	4	4	06	23S	31E	612056	3577320*	174		
C 02954 EXPL		CUB	ED	3	1	4	20	23S	31E	613114	3572906*	905		
C 03140		CUB	ED	4	2	4	04	23S	31E	615266	3577758*	684		
C 03351		C	ED	4	1	4	04	23S	31E	614917	3577861	320	168	152
C 03520 POD1		C	ED	3	1	1	07	23S	31E	610733	3576905	500		
C 03749 POD1		CUB	ED		2	2	15	23S	31E	616974	3575662	865	639	226

Average Depth to Water: **300 feet**
Minimum Depth: **85 feet**
Maximum Depth: **639 feet**

Record Count: 17

PLSS Search:

Township: 23S **Range:** 31E

***UTM location was derived from PLSS - see Help**

4/7/20 12:26 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

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

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

CONDITIONS

Action 182185

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 182185
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	2/3/2023