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

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

Form C-144
Revised April 3, 2017

For temporary pits, below-grade tanks, and multi-well fluid management pits, submit to the appropriate NMOCD District Office.
For permanent pits submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

Pit, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application

Type of action:
- ☐ Below grade tank registration
- ☐ Permit of a pit or proposed alternative method
- ☒ Closure of a pit, below-grade tank, or proposed alternative method
- ☐ Modification to an existing permit/or registration
- ☐ Closure plan only submitted for an existing permitted or non-permitted pit, below-grade tank, or proposed alternative method

Instructions: Please submit one application (Form C-144) per individual pit, below-grade tank or alternative request

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

1.
Operator: DJR Operating LLC OGRID #: 371838
Address: 1 Road 6263, Aztec, New Mexico 87410
Facility or well name: Candado #24
API Number: 30-039-22133 OCD Permit Number:
U/L or Qtr/Qtr M Section 9 Township 26N Range 7W County: Rio Arriba
Center of Proposed Design: Latitude 36.49643 Longitude -107.58681 NAD83
Surface Owner: ☒ Federal ☐ State ☐ Private ☐ Tribal Trust or Indian Allotment

No Closure Plan
No Photo of showing BGT Closed

2.
☐ **Pit:** Subsection F, G or J of 19.15.17.11 NMAC
Temporary: ☐ Drilling ☐ Workover
☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A ☐ Multi-Well Fluid Management Low Chloride Drilling Fluid ☐ yes ☐ no
☐ Lined ☐ Unlined Liner type: Thickness _____mil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other _____
☐ String-Reinforced
Liner Seams: ☐ Welded ☐ Factory ☐ Other _____ Volume: _____bbl Dimensions: L_____ x W_____ x D_____

3.
☒ **Below-grade tank:** Subsection I of 19.15.17.11 NMAC
Volume: 55 bbl Type of fluid: Produced Water
Tank Construction material: Fiberglass Tank
☐ Secondary containment with leak detection ☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
☐ Visible sidewalls and liner ☒ Visible sidewalls only ☒ Other single walled tank
Liner type: Thickness _____mil ☐ HDPE ☐ PVC ☐ Other _____

4.
☐ **Alternative Method:**
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

5.
Fencing: Subsection D of 19.15.17.11 NMAC *(Applies to permanent pits, temporary pits, and below-grade tanks)*
☐ Chain link, six feet in height, two strands of barbed wire at top *(Required if located within 1000 feet of a permanent residence, school, hospital, institution or church)*
☐ Four foot height, four strands of barbed wire evenly spaced between one and four feet
☐ Alternate. Please specify_____

NMOCD
NOV 05 2018
DISTRICT III

6.

Netting: Subsection E of 19.15.17.11 NMAC *(Applies to permanent pits and permanent open top tanks)*

☐ Screen ☐ Netting ☐ Other_____

☐ Monthly inspections (If netting or screening is not physically feasible)

7.

Signs: Subsection C of 19.15.17.11 NMAC

☐ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers

☐ Signed in compliance with 19.15.16.8 NMAC

8.

Variances and Exceptions:

Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.

Please check a box if one or more of the following is requested, if not leave blank:

☐ Variance(s): Requests must be submitted to the appropriate division district for consideration of approval.

☐ Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

9.

Siting Criteria (regarding permitting): 19.15.17.10 NMAC

Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. **Siting criteria does not apply to drying pads or above-grade tanks.**

General siting

Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank.

- ☒ NM Off of the State Engineer -iWATERS database search; ☐ USGS; ☐ Data obtained from nearby wells — ☐ Yes ☒ No ☐ NA

Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit . NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells — ☐ Yes ☐ No ☒ NA

Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. **(Does not apply to below grade tanks)** — ☐ Yes ☒ No

- Written confirmation or verification from the municipality; Written approval obtained from the municipality

Within the area overlying a subsurface mine. **(Does not apply to below grade tanks)** — ☐ Yes ☐ No

- Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division

Within an unstable area. **(Does not apply to below grade tanks)** — ☐ Yes ☐ No

- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map

Within a 100-year floodplain. **(Does not apply to below grade tanks)** — ☐ Yes ☐ No

- FEMA map

Below Grade Tanks

Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark). — ☐ Yes ☒ No

- Topographic map; Visual inspection (certification) of the proposed site

Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;. — ☐ Yes ☒ No

- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site

Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)

Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.) — ☐ Yes ☐ No

- Topographic map; Visual inspection (certification) of the proposed site

Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application. — ☐ Yes ☐ No

- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image

Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site — ☐ Yes ☐ No

adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☐ No
Within a 100-year floodplain. - FEMA map	☐ Yes ☐ No

16.
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) ***Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.***

- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC
- ☐ Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17.11 NMAC
- ☐ Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☐ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☐ Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☐ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved)
- ☐ Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

17.
Operator Application Certification:

I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.

Name (Print): _____ Title: _____

Signature: _____ Date: _____

e-mail address: _____ Telephone: _____

18.
OCD Approval: ☐ Permit Application (including closure plan) ☒ Closure Plan ~~(only)~~ ☐ OCD Conditions (see attachment)

OCD Representative Signature: _____ **Approval Date:** 12/10/2018

Title: Environmental Specialist **OCD Permit Number:** _____

19.
Closure Report (required within 60 days of closure completion): 19.15.17.13 NMAC

Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.

☐ **Closure Completion Date:** _____

20.
Closure Method:

☐ Waste Excavation and Removal ☐ On-Site Closure Method ☐ Alternative Closure Method ☐ Waste Removal (Closed-loop systems only)
☐ If different from approved plan, please explain.

21.
Closure Report Attachment Checklist: ***Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached.***

- ☐ Proof of Closure Notice (surface owner and division)
- ☐ Proof of Deed Notice (required for on-site closure for private land only)
- ☐ Plot Plan (for on-site closures and temporary pits)
- ☒ Confirmation Sampling Analytical Results (if applicable)
- ☐ Waste Material Sampling Analytical Results (required for on-site closure)
- ☐ Disposal Facility Name and Permit Number
- ☐ Soil Backfilling and Cover Installation
- ☐ Re-vegetation Application Rates and Seeding Technique
- ☐ Site Reclamation (Photo Documentation)

On-site Closure Location: Latitude _____ _____ Longitude _____ NAD: 1927 ☐ 1983 ☐

22.

Operator Closure Certification:

I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.

Name (Print): Amy Archuleta Title: Regulatory Specialist

Signature: Date: 11-1-18

e-mail address: aarchuleta@djrllc.com Telephone: 505-632-3476

Fields, Vanessa, EMNRD

From: Amy Archuleta <aarchuleta@djrllc.com>
Sent: Wednesday, December 12, 2018 1:09 PM
To: Fields, Vanessa, EMNRD
Subject: [EXT] FW: Candado 24 30-039-22133

Here is the email I sent in October regarding the closure for the Candado 24 that Cory contacted me about. Is there a different way you want me to word this email?

Thank you!
Amy

From: Amy Archuleta
Sent: Monday, October 8, 2018 9:38 AM
To: cory.smith@state.nm.us; vanessa.fields@state.nm.us
Cc: 'Emmanuel' <aadeloye@blm.gov>; Whitney Thomas (L1Thomas@blm.gov) <L1Thomas@blm.gov>
Subject: FW: Candado 24 30-039-22133

Cory/Vanessa:

I could not find closure documents for the Candado 24 (30-039-22133). This well was plugged on August 13, 2010 by Elm Ridge Exploration, LLC. The BGT was not closed properly when the well was Plugged and Abandoned.

DJR Operating, LLC would like to test this area with an auger on **October 11th at 11 am**.
A sundry notice will been sent to the BLM to notify them of the soil sampling as well.

If you have questions or concerns, please contact me.

Thank you

DJR Operating
Amy Archuleta
Regulatory
Phone: (505) 632-3476 x201
Fax: (505) 632-8151
aarchuleta@djrllc.com

From: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Sent: Friday, May 18, 2018 3:38 PM
To: Amy Archuleta <aarchuleta@djrllc.com>
Cc: Fields, Vanessa, EMNRD <Vanessa.Fields@state.nm.us>; Powell, Brandon, EMNRD <Brandon.Powell@state.nm.us>
Subject: RE: Candado 24

Amy,

Yes I understand the BGT that was closed this week is at that location. However I am processing the 2008 BGT registration sent to Sant Fe on behalf on Elm Ridge. I just approved a Closure plan for the **Candado #24 (30-039-22133)** The well was plugged in 2010, there is no closure report in the well file. Do you have a copy of the closure by any chance?

You can look when you get settled in.

Cory Smith
Environmental Specialist
Oil Conservation Division
Energy, Minerals, & Natural Resources
1000 Rio Brazos, Aztec, NM 87410
(505)334-6178 ext 115
cory.smith@state.nm.us

From: Amy Archuleta <aarchuleta@djrllc.com>
Sent: Friday, May 18, 2018 3:35 PM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Subject: RE: Candado 24

Cory, the BGT we are closing is the Candado 24A 30-039-22132. That is the location I tested yesterday.

We are moving to the old Compressco building in-between Aztec and Flora Vista. Sort of across from the trailer sales place.

From: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Sent: Friday, May 18, 2018 3:15 PM
To: Amy Archuleta <aarchuleta@djrllc.com>
Cc: Fields, Vanessa, EMNRD <Vanessa.Fields@state.nm.us>; Powell, Brandon, EMNRD <Brandon.Powell@state.nm.us>
Subject: RE: Candado 24

Amy,

It's the Candado 24 No A. 30-039-22133 Where are yall moving to?

Cory Smith
Environmental Specialist
Oil Conservation Division
Energy, Minerals, & Natural Resources
1000 Rio Brazos, Aztec, NM 87410
(505)334-6178 ext 115
cory.smith@state.nm.us

From: Amy Archuleta <aarchuleta@djrllc.com>
Sent: Friday, May 18, 2018 2:27 PM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Subject: RE: Candado 24

Cory,

We are in the middle of moving and should have our new office set up by Tuesday of next week.

I will get it to you then. If I can get it sooner than that, you know I will. I show I do have the Candado 24A (30-039-22132). I hope I didn't confuse them.

Thanks!
Amy

From: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Sent: Friday, May 18, 2018 2:03 PM
To: Amy Archuleta <aarchuleta@djrllc.com>
Cc: Fields, Vanessa, EMNRD <Vanessa.Fields@state.nm.us>; Powell, Brandon, EMNRD <Brandon.Powell@state.nm.us>
Subject: Candado 24

Amy,

I am processing the 2008 BGT registration sent to Sant Fe on behalf on Elm Ridge. I just approved a Closure plan for the Candado #24 (30-039-22133)

The well was plugged in 2008, there is no closure report in the well file. Do you have a copy of the closure by any chance?

Thanks,

Cory Smith
Environmental Specialist
Oil Conservation Division
Energy, Minerals, & Natural Resources
1000 Rio Brazos, Aztec, NM 87410
(505)334-6178 ext 115
cory.smith@state.nm.us

New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 26N Range: 07W Sections: 8,9,16,17

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) ○ Non-Domestic ○ Domestic ● All

POD / Surface Data Report | Avg Depth to Water Report | Water Column Report

Clear Form | iWATERS Menu | Help

POD / SURFACE DATA REPORT 10/06/2008

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

DB File Nbr	Use	(acre ft per annum) Diversion	Owner	POD Number	Source	Tws	Rng	Sec	q	q	q	X Y are in Feet Zone	X	Y	UTM are in Meters) UTM_Zone	Easting	Northing	Start Date	Finish Date	Depth Well	Depth (in feet) Water
SJ 02419	STK	3	RICHARD BOYD	SJ 02419		26N	07W	09	2	2	3				13	269401	4043063				

Record Count: 1

New Mexico Office of the State Engineer
Point of Diversion Summary

Back

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

POD Number	Tws	Rng	Sec	q	q	q	Zone	X	Y
SJ 02402	26N	07W	05	3	3	2			

Driller Licence:
Driller Name: KAIME, JOE
Drill Start Date:
Log File Date:
Pump Type: WINDML
Casing Size:
Depth Well: 36
Source: Shallow
Drill Finish Date: 12/31/1945
PCW Received Date:
Pipe Discharge Size:
Estimated Yield:
Depth Water: 18

October 29, 2018

Amy Archuleta
Regulatory Supervisor
DJR Operating, LLC
1 Road 3263
Aztec, New Mexico 87410-9521

Sent via electronic mail to:
aarchuleta@djrllc.com

RE: Below Grade Tank Closure Report
Candado #24
API #3003922133
Rio Arriba County, New Mexico

Dear Ms. Archuleta:

Animas Environmental Services, LLC (AES) is pleased to provide the final report associated with the below grade tank (BGT) closure at the DJR Operating (DJR) Candado #24, located in Rio Arriba County, New Mexico. The well site was plugged and abandoned in 2010, and DJR re-sampled the former BGT location at the request of NMOCD to provide proper closure of the subject BGT.

1.0 Site Information

1.1 Location

Site Name – Candado #24
API# – 3003922133
Legal Description – SW¼ SW¼, Section 9, T26N, R7W, Rio Arriba County, New Mexico
Well Latitude/Longitude – N36.49653 and W107.58655, respectively
BGT Latitude/Longitude – N36.49643 and W107.58681, respectively
Land Jurisdiction – Bureau of Land Management (BLM)
Figure 1. Topographic Site Location Map
Figure 2. Aerial Site Map, October 2018

604 W. Piñon St.
Farmington, NM 87401
505-564-2281

1911 Main, Ste 206
Durango, CO 81301
970-403-3084

www.animasenvironmental.com

1.2 NMOCD Ranking

In accordance with the New Mexico Oil Conservation Division (NMOCD) *Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993), the location was given a ranking score of **30** based on the following factors:

- **Depth to Groundwater:** The site is less than five feet higher than a stock pond 440 feet to the northeast and is approximately 50 feet higher than Largo Canyon Wash one-half mile to the northeast. Based on elevation, topographic interpretation and visual reconnaissance, depth to groundwater is interpreted to be less than 50 feet below ground surface (bgs). (**20 points**)
- **Wellhead Protection Area:** A private domestic water source stock pond is located 440 feet to the northeast. The location is not within a wellhead protection area. (**0 points**)
- **Distance to Surface Water Body:** A private domestic water source stock pond is located 440 feet to the northeast. (**10 points**)

2.0 Soil Sampling

AES was initially contacted by Amy Archuleta of DJR on October 8, 2018, and on October 11, 2018, Corwin Lameman of AES mobilized to the location. AES personnel collected one soil sample (BGT S-1) from three feet below the former BGT footprint for a total depth of eight feet below surface grade.

2.1 Laboratory Analyses

Soil sample BGT S-1 was laboratory analyzed for:

- Benzene, toluene, ethylbenzene, and xylene (BTEX) per USEPA Method 8021;
- Total Petroleum Hydrocarbons (TPH) as Gasoline Range Organics (GRO), Diesel Range Organics (DRO), and Motor Oil Range Organics (MRO) per USEPA Method 8015D; and
- Chloride per USEPA Method 300.0.

2.2 Laboratory Analytical Results

Laboratory analytical results are summarized in Table 1, and presented on Figure 2. The laboratory analytical report is attached.

Table 1. Soil Laboratory Analytical Results
Candado #24 BGT Closure, October 2018

Sample ID	Date Sampled	Depth (ft)	Benzene (8021) (mg/kg)	Total BTEX (8021) (mg/kg)	TPH – GRO (8015) (mg/kg)	TPH – DRO (8015) (mg/kg	TPH – MRO (8015) (mg/kg	Chlorides (300.0) (mg/kg)
NMOCD Action Level (NMAC 19.15.17.13E (2008))			*0.2*	*50*		*100*		*250*
BGT S-1	10/11/18	8	<0.100	<0.100	<20.0	<25.0	<50.0	135

3.0 Conclusions and Recommendations

NMOCD action levels for 2010 BGT closures are specified in New Mexico Administrative Code (NMAC) 19.15.17.13E (2008). Laboratory analytical results for benzene and total BTEX concentrations were below the NMOCD action levels of 0.2 mg/kg and 50 mg/kg, respectively. The laboratory analytical result for TPH was below the NMOCD action level of 100 mg/kg. Chloride concentrations in BGT S-1 were below the NMOCD action level of 250 mg/kg.

Based on BGT laboratory analytical results for benzene, total BTEX, TPH, and chlorides for the BGT removed from the location, no further work is recommended at Candado #24 for the BGT Closure.

If you have any questions about this report or site conditions, please do not hesitate to contact Tami Knight, Project Lead, or Elizabeth McNally at (505) 564-2281.

Sincerely,

David J. Reese
Environmental Scientist

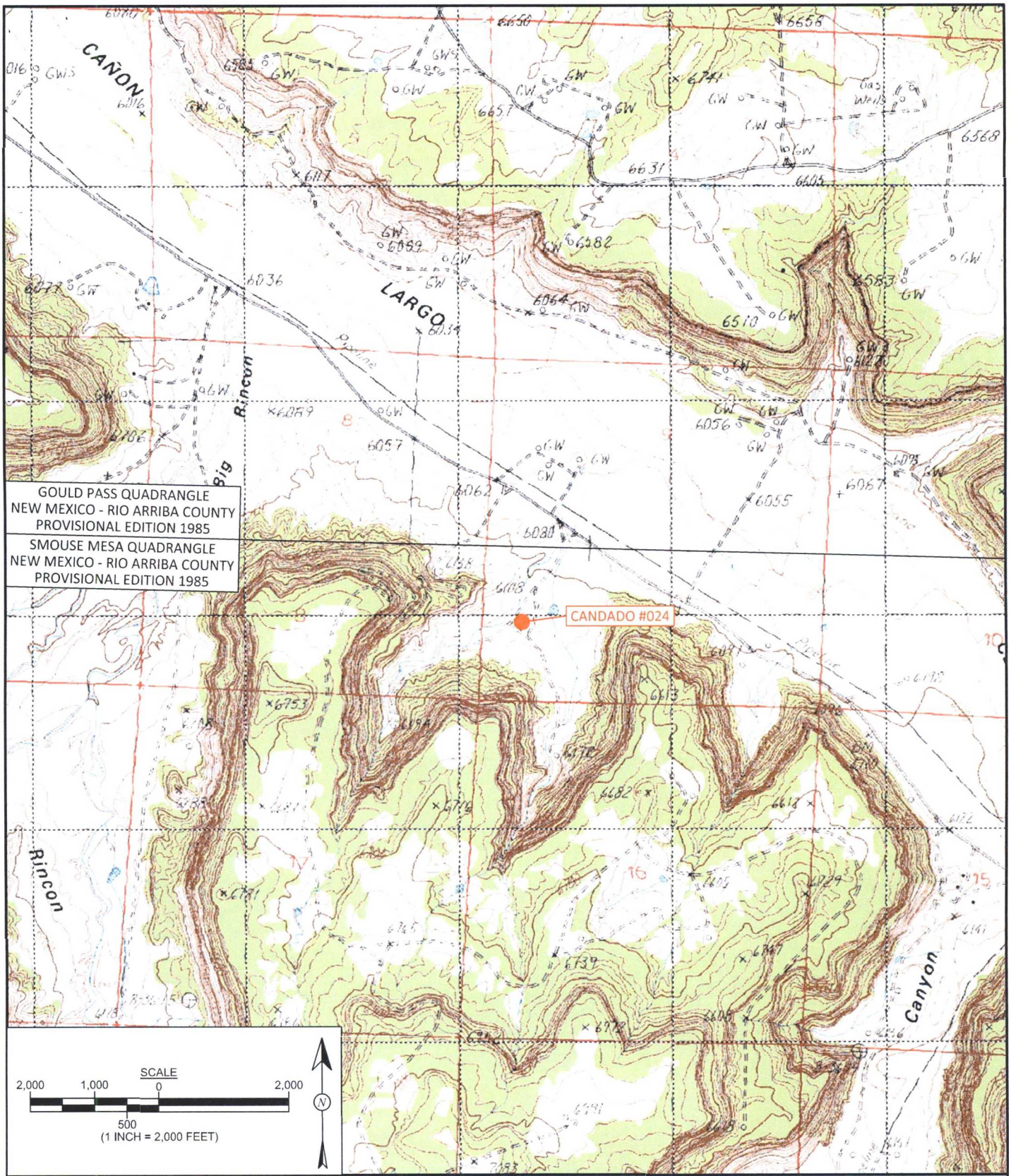
Elizabeth McNally, PE

Attachments:

Figure 1. Topographic Site Location Map
Figure 2. Aerial Site Map, October 2018
Envirotech Analytical Report 17035-0028

R:\Animas 2000\Dropbox (Animas Environmental)\0000 AES Server Client Projects Dropbox\2018 Client Projects\DJ Resources\Candado #024\Candado #24 BGT Closure Report 102918.docx

Attachments



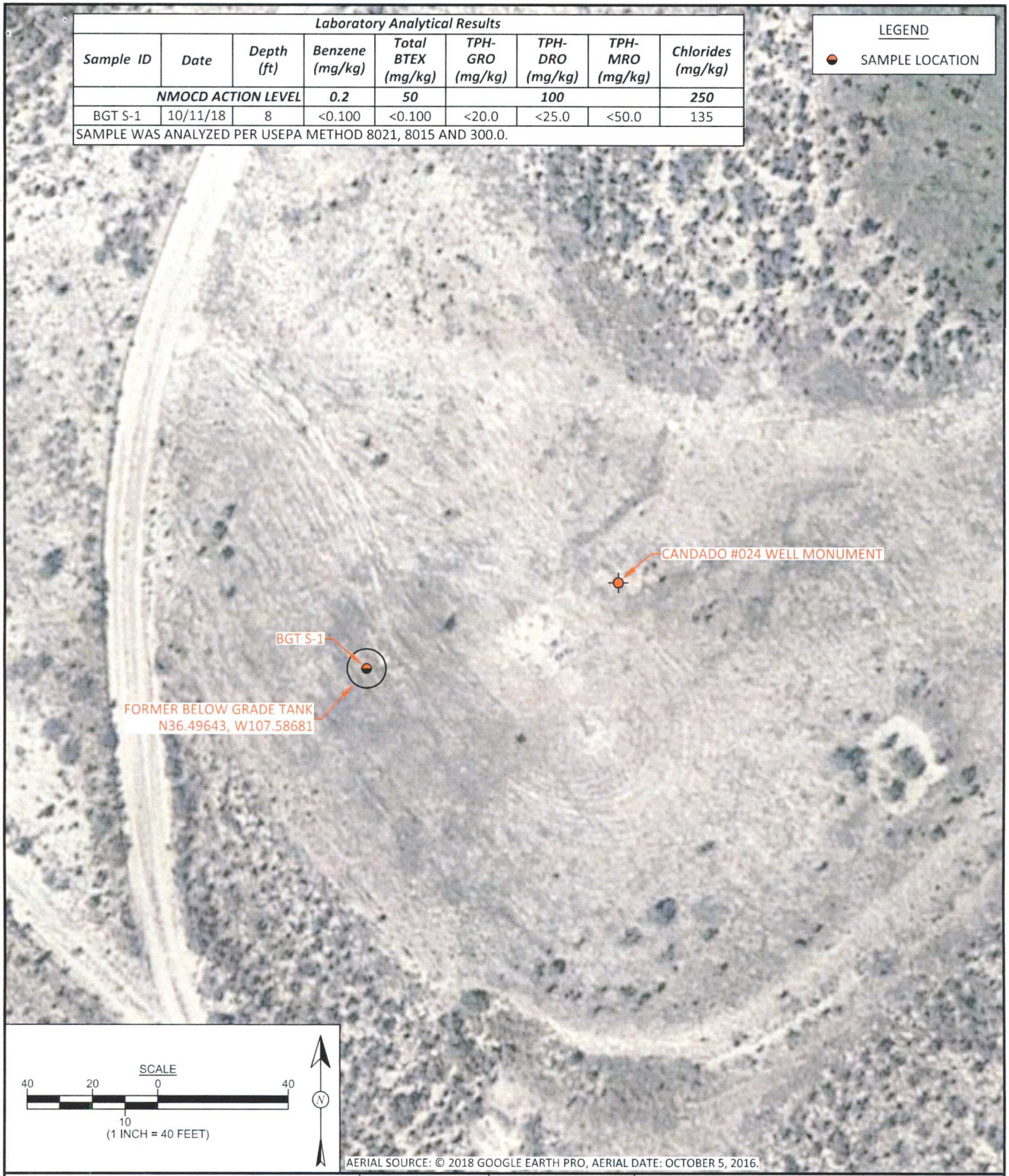
DRAWN BY: C. Lameman	**DATE DRAWN:** October 22, 2018
REVISIONS BY: C. Lameman	**DATE REVISED:** October 22, 2018
CHECKED BY: E. McNally	**DATE CHECKED:** October 22, 2018
APPROVED BY: E. McNally	**DATE APPROVED:** October 22, 2018

animas environmental services
Farmington, NM • Durango, CO
animasenvironmental.com

FIGURE 1

TOPOGRAPHIC SITE LOCATION MAP
DJR OPERATING
CANDADO #024
API: 30-039-22133
SW¼ SW¼, SECTION 9, T26N, R7W
SAN JUAN COUNTY, NEW MEXICO
N36.49653, W107.58655

Laboratory Analytical Results								
Sample ID	Date	Depth (ft)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	TPH-MRO (mg/kg)	Chlorides (mg/kg)
NMOCD ACTION LEVEL			0.2	50	100			250
BGT S-1	10/11/18	8	<0.100	<0.100	<20.0	<25.0	<50.0	135
SAMPLE WAS ANALYZED PER USEPA METHOD 8021, 8015 AND 300.0.								



animas environmental services
Farmington, NM • Durango, CO
animasenvironmental.com

DRAWN BY: C. Lameman	DATE DRAWN: October 22, 2018
REVISIONS BY: C. Lameman	DATE REVISED: October 22, 2018
CHECKED BY: E. McNally	DATE CHECKED: October 22, 2018
APPROVED BY: E. McNally	DATE APPROVED: October 22, 2018

FIGURE 2

AERIAL SITE LOCATION MAP
BELOW GRADE TANK CLOSURE, OCTOBER 2018
DJR OPERATING
CANDADO #024
API: 30-039-22133
SW¼ SW¼, SECTION 9, T26N, R7W
SAN JUAN COUNTY, NEW MEXICO
N36.49653, W107.58655

envirotech
Analytical Laboratory

Analytical Report

Report Summary

Client: DJR Operating, LLC
Chain Of Custody Number:
Samples Received: 10/12/2018 10:15:00AM
Job Number: 17035-0028
Work Order: P810041
Project Name/Location: DJR Candado #024

Report Reviewed By: Walter Hinchman Date: 10/29/18

Walter Hinchman, Laboratory Director

Date: 10/29/18

Tim Cain, Project Manager

Supplement to analytical report generated on: 10/18/18 3:50 pm

NELAP ACCREDITED TNI LABORATORY

Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.
Statement of Data Authenticity: Envirotech, Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.
Envirotech, Inc, currently holds the appropriate and available Utah TNI certification NM009792018-1 for the data reported.

5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865
Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fr (800) 362-1879
envirotech-inc.com
laboratory@envirotech-inc.com

envirotech
Analytical Laboratory

DJR Operating, LLC	Project Name:	DJR Candado #024	
1 Rd 3263	Project Number:	17035-0028	**Reported:**
Aztec NM, 87410	Project Manager:	Tami Knight	10/29/18 08:39

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BGT S-1	P810041-01A	Soil	10/11/18	10/12/18	Glass Jar, 4 oz.
	P810041-01B	Soil	10/11/18	10/12/18	Glass Jar, 4 oz.

envirotech
Analytical Laboratory

DJR Operating, LLC	Project Name:	DJR Candado #024	
1 Rd 3263	Project Number:	17035-0028	**Reported:**
Aztec NM, 87410	Project Manager:	Tami Knight	10/29/18 08:39

BGT S-1
P810041-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1841027	10/12/18	10/17/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1841027	10/12/18	10/17/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1841027	10/12/18	10/17/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1841027	10/12/18	10/17/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1841027	10/12/18	10/17/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1841027	10/12/18	10/17/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1841027	10/12/18	10/17/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*99.6 %*		*50-150*	*1841027*	*10/12/18*	*10/17/18*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1841027	10/12/18	10/17/18	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1842010	10/16/18	10/16/18	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1842010	10/16/18	10/16/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.6 %*		*50-150*	*1841027*	*10/12/18*	*10/17/18*	*EPA 8015D*	
Surrogate: n-Nonane		*119 %*		*50-200*	*1842010*	*10/16/18*	*10/16/18*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**135**	20.0	mg/kg	1	1842004	10/15/18	10/15/18	EPA 300.0/9056A	

DJR Operating, LLC	Project Name:	DJR Candado #024	
1 Rd 3263	Project Number:	17035-0028	**Reported:**
Aztec NM, 87410	Project Manager:	Tami Knight	10/29/18 08:39

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1841027 - Purge and Trap EPA 5030A										
Blank (1841027-BLK1)				Prepared: 10/12/18 1 Analyzed: 10/12/18 2						
Benzene	ND	100	ug/kg							
Toluene	ND	100	"							
Ethylbenzene	ND	100	"							
p,m-Xylene	ND	200	"							
o-Xylene	ND	100	"							
Total Xylenes	ND	100	"							
Total BTEX	ND	100	"							
Surrogate: 4-Bromochlorobenzene-PID	*8130*		"	*8000*		*102*	*50-150*			
LCS (1841027-BS1)				Prepared: 10/12/18 1 Analyzed: 10/12/18 2						
Benzene	5910	100	ug/kg	5000		118	70-130			
Toluene	5960	100	"	5000		119	70-130			
Ethylbenzene	6030	100	"	5000		121	70-130			
p,m-Xylene	12300	200	"	10000		123	70-130			
o-Xylene	5960	100	"	5000		119	70-130			
Total Xylenes	18300	100	"	15000		122	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8250*		"	*8000*		*103*	*50-150*			
Matrix Spike (1841027-MS1)		**Source: P810034-01**		Prepared: 10/12/18 1 Analyzed: 10/12/18 2						
Benzene	6270	100	ug/kg	5000	ND	125	54.3-133			
Toluene	6270	100	"	5000	ND	125	61.4-130			
Ethylbenzene	6300	100	"	5000	ND	126	61.4-133			
p,m-Xylene	12800	200	"	10000	ND	128	63.3-131			
o-Xylene	6120	100	"	5000	ND	122	63.3-131			
Total Xylenes	18900	100	"	15000	ND	126	63.3-131			
Surrogate: 4-Bromochlorobenzene-PID	*6810*		"	*8000*		*85.1*	*50-150*			
Matrix Spike Dup (1841027-MSD1)		**Source: P810034-01**		Prepared: 10/12/18 1 Analyzed: 10/13/18 0						
Benzene	6290	100	ug/kg	5000	ND	126	54.3-133	0.250	20	
Toluene	6220	100	"	5000	ND	124	61.4-130	0.710	20	
Ethylbenzene	6140	100	"	5000	ND	123	61.4-133	2.59	20	
p,m-Xylene	12500	200	"	10000	ND	125	63.3-131	2.86	20	
o-Xylene	5970	100	"	5000	ND	119	63.3-131	2.53	20	
Total Xylenes	18400	100	"	15000	ND	123	63.3-131	2.75	20	
Surrogate: 4-Bromochlorobenzene-PID	*6710*		"	*8000*		*83.9*	*50-150*			

DJR Operating, LLC	Project Name:	DJR Candado #024	
1 Rd 3263	Project Number:	17035-0028	**Reported:**
Aztec NM, 87410	Project Manager:	Tami Knight	10/29/18 08:39

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1841027 - Purge and Trap EPA 5030A										
Blank (1841027-BLK1)				Prepared: 10/12/18 1 Analyzed: 10/12/18 2						
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.83*		"	*8.00*		*97.9*	*50-150*			
LCS (1841027-BS2)				Prepared: 10/12/18 1 Analyzed: 10/12/18 2						
Gasoline Range Organics (C6-C10)	51.2	20.0	mg/kg	50.0		102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.91*		"	*8.00*		*98.9*	*50-150*			
Matrix Spike (1841027-MS2)		**Source: P810034-01**		Prepared: 10/12/18 1 Analyzed: 10/13/18 0						
Gasoline Range Organics (C6-C10)	45.3	20.0	mg/kg	50.0	ND	90.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.37*		"	*8.00*		*92.1*	*50-150*			
Matrix Spike Dup (1841027-MSD2)		**Source: P810034-01**		Prepared: 10/12/18 1 Analyzed: 10/13/18 0						
Gasoline Range Organics (C6-C10)	46.5	20.0	mg/kg	50.0	ND	93.0	70-130	2.60	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.21*		"	*8.00*		*90.1*	*50-150*			

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Analytical Laboratory

DJR Operating, LLC	Project Name:	DJR Candado #024	
1 Rd 3263	Project Number:	17035-0028	**Reported:**
Aztec NM, 87410	Project Manager:	Tami Knight	10/29/18 08:39

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1842010 - DRO Extraction EPA 3570										
Blank (1842010-BLK1)				Prepared: 10/16/18 0 Analyzed: 10/16/18 1						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40+)	ND	50.0	"							
Surrogate: n-Nonane	*58.9*		"	*50.0*		*118*	*50-200*			
LCS (1842010-BS1)				Prepared: 10/16/18 0 Analyzed: 10/16/18 1						
Diesel Range Organics (C10-C28)	448	25.0	mg/kg	500		89.6	38-132			
Surrogate: n-Nonane	*57.4*		"	*50.0*		*115*	*50-200*			
Matrix Spike (1842010-MS1)	**Source: P810046-01**			Prepared: 10/16/18 0 Analyzed: 10/16/18 1						
Diesel Range Organics (C10-C28)	461	25.0	mg/kg	500	ND	92.1	38-132			
Surrogate: n-Nonane	*60.4*		"	*50.0*		*121*	*50-200*			
Matrix Spike Dup (1842010-MSD1)	**Source: P810046-01**			Prepared: 10/16/18 0 Analyzed: 10/16/18 1						
Diesel Range Organics (C10-C28)	460	25.0	mg/kg	500	ND	92.0	38-132	0.0853	20	
Surrogate: n-Nonane	*60.1*		"	*50.0*		*120*	*50-200*			

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DJR Operating, LLC	Project Name:	DJR Candado #024	
1 Rd 3263	Project Number:	17035-0028	**Reported:**
Aztec NM, 87410	Project Manager:	Tami Knight	10/29/18 08:39

Anions by 300.0/9056A - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1842004 - Anion Extraction EPA 300.0/9056A										
Blank (1842004-BLK1)				Prepared & Analyzed: 10/15/18 1						
Chloride	ND	20.0	mg/kg							
LCS (1842004-BS1)				Prepared & Analyzed: 10/15/18 1						
Chloride	257	20.0	mg/kg	250		103	90-110			
Matrix Spike (1842004-MS1)		**Source: P810041-01**		Prepared & Analyzed: 10/15/18 1						
Chloride	388	20.0	mg/kg	250	135	101	80-120			
Matrix Spike Dup (1842004-MSD1)		**Source: P810041-01**		Prepared & Analyzed: 10/15/18 1						
Chloride	380	20.0	mg/kg	250	135	97.9	80-120	2.23	20	

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DJR Operating, LLC	Project Name:	DJR Candado #024	
1 Rd 3263	Project Number:	17035-0028	**Reported:**
Aztec NM, 87410	Project Manager:	Tami Knight	10/29/18 08:39

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
**	Methods marked with ** are non-accredited methods.

Client: DJR operating
Project: DJR Candado #024
Sampler: C. Lameman
Phone: 505.564.2281
Email(s): tknight@animasenvironmental.com; aarchuleta@djrllc.com
Project Manager: Tami Knight

RUSH? 1d 3d

Lab Use Only
Lab WO# P810041
Job Number 17035-0028

Page 1 of 1

Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by 300.0					Lab Number	Correct Cont/Preserv(s) Y/N
BGT S-1	10-11-18	11:53	Soil	2-4oz jars/cool	X	X		X					1	Y

Analysis and Method

Lab Use Only

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	10-12-18	10:15	[signature]	10/12/18	1015
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

** Received on Ice Y / N
T1____ T2____ T3____
AVG Temp °C 4.0

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Vial ice in cooler
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

** Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

☐ Sample(s) dropped off after hours to a secure drop off area.

Chain of Custody

Notes/Billing info: Bill to DJR Operating Attn: Amy Archuleta

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Three Springs • 65 Mercado Street Suite 115 Durango, CO 81301 Ph (970) 259-0615 Fx (800) 362-1879
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Client: DJR Operating

Project: DJR Candado #024

Sampler: C. Lameman

Phone: 505.564.2281

Email(s): tknight@animasenvironmental.com; aarchuleta@djrllc.com

Project Manager: Tami Knight

RUSH? ☐ 1d ☐ 3d

Page 1 of 1

Lab Use Only	
Lab WO#	P810041
Job Number	17035-0024

Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/ Preservative	Analysis and Method: GRO/DRO by 8015/ORO	BTEX by 8021	TPH by 418.1	Chloride by 300.0	lab Only: Lab Number	Correct Cont/Prsrv (s) Y/N
					added 10/26/18 per T. Knight -ig					
BGT S-1	10-11-18	11:53	Soil	2-4ozjars/cool	X	X		X	1	Y

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	10-12-18	10:15	[signature]	10/12/18	1015
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only

** Received on Ice Y N

T1____ T2____ T3____

AVG Temp °C 4.0

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ via ice in coolers

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

** Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

☐ Sample(s) dropped off after hours to a secure drop off area.

Chain of Custody

Notes/Billing info: Bill to DJR Operating Attn: Amy Archuleta

ORO added 10/26/18 per T. Knight -ig

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