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 d Alternative Method Permit or Clasure Plan Application, BOV

Proposed Alternative Method Permit or Closure Plan Application RCVD 8/1/19
Type of action:
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, <b>below-grade tank</b> ,
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: PO BOX 156 Bloomfield, NM 87413
Facility or well name: Bonanza 008
API Number: 30-043-20653 OCD Permit Number: N/A
U/L or Qtr/Qtr K: Section 2 Township 22N Range 03W County: San Juan
Center of Proposed Design: Latitude 36.164038 Longitude -107.128877 NAD83
Surface Owner:   Federal State Private Tribal Trust or Indian Allotment
2. Dit: 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: Thicknessmil ☐ 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:67bbl Type of fluid:Produced water
Tank Construction material:Fiber Glass
Secondary containment with leak detection  Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other
Liner type: Thicknessmil
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.
i.
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, nstitution or church)
Four foot height, four strands of barbed wire evenly spaced between one and four feet
Alternate. Please specify

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 acc	eptable 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 Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☑ No ☐ NA
	1 —
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
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	Yes No
adopted pursuant to NMSA 1978, Section 3-27-3, as amended. (Does not apply to below grade tanks)	I res I 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)  - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
Within an unstable area. (Does not apply to below grade tanks)	
<ul> <li>Engineering measures incorporated into the design; NM Bureau of Geology &amp; Mineral Resources; USGS; NM Geological Society; Topographic map</li> </ul>	Yes No
Within a 100-year floodplain. (Does not apply to below grade tanks) - FEMA map	☐ Yes ☐ No
Below Grade Tanks	
Delow Grade Taliks	
Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured	☐ Yes ☑ No
from the ordinary high-water mark).  - Topographic map; Visual inspection (certification) of the proposed site	103 🔼 140
Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;.  - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	Yes No
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.)  - Topographic map; Visual inspection (certification) of the proposed site	Yes No
Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial	☐ Yes ☐ No
application.  - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ 1 €5 ☐ 1NO
- 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

<ul> <li>Within 100 feet of a wetland.</li> <li>US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site</li> </ul>	☐ Yes ☐ No
Temporary Pit Non-low chloride drilling fluid	
Within 300 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).  - Topographic map; Visual inspection (certification) of the proposed site	Yes No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.  - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 1000 feet of any other fresh water well or spring, in the 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
Within 300 feet of a wetland.  - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Permanent Pit or Multi-Well Fluid Management Pit	
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).  - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.  - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application.  - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 500 feet of a wetland.  - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 No Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the doc attached.  Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.1 and 19.15.17.13 NMAC Previously Approved Design (attach copy of design) API Number:  or Permit Number:	uments are NMAC 5.17.9 NMAC
Multi-Well Fluid Management Pit Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documentation.  Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC A List of wells with approved application for permit to drill associated with the pit. Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.1 and 19.15.17.13 NMAC Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.19 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Previously Approved Design (attach copy of design)  API Number:  or Permit Number:	
· II O ( IV O')	

Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC  Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the attached.  Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Climatological Factors Assessment Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC	se documents are
Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC  Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC  Quality Control/Quality Assurance Construction and Installation Plan  Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC  Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC  Nuisance or Hazardous Odors, including H <sub>2</sub> S, Prevention Plan  Emergency Response Plan  Oil Field Waste Stream Characterization  Monitoring and Inspection Plan  Erosion Control Plan  Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC	
13. Proposed Closure: 19.15.17.13 NMAC Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.	
Type: Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Multi-well Alternative Proposed Closure Method: Waste Excavation and Removal Waste Removal (Closed-loop systems only) On-site Closure Method (Only for temporary pits and closed-loop systems)	Fluid Management Pit
☐ In-place Burial ☐ On-site Trench Burial ☐ Alternative Closure Method	
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be closure plan. Please indicate, by a check mark in the box, that the documents are attached.  □ 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 Subsection C of 19.15.17.13 NMAC □ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings) □ Soil Backfill and Cover Design Specifications - 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	
Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable south provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. 19.15.17.10 NMAC for guidance.	rce material are Please refer to
Ground water is less than 25 feet below the bottom of the buried waste.  - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
Ground water is between 25-50 feet below the bottom of the buried waste  - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
Ground water is more than 100 feet below the bottom of the buried waste.  - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).  - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.  - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application.  - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
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.  - 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	
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 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 19.15.17.1 □ Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.1 □ 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 cannol 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	11 NMAC 5.17.11 NMAC
17.  Opposetor Application Continue	
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 belie	ef.
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: 8/12/1	9
Finding was antal Connectict	
Titles OCD 1 ci init 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 to The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not consection of the form until an approved closure plan has been obtained and the closure activities have been completed.	he closure report. omplete this
<b>◯</b> Closure Completion Date: 04-24-2019	
in.  Closure Method:  Waste Excavation and Removal  On-Site Closure Method  Alternative Closure Method  Waste Removal (Closed-loop If different from approved plan, please explain.	p systems only)
n. Closure Report Attachment Checklist: Instructions: Each of the following items must be attached to the closure report. Please indi	cate, by a check
nark in the box, that the documents are attached.  Proof of Closure Notice (surface owner and division)	cure, by a check
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 36 164038 Longitude 107 128277 NAD 1027 M 1022	

22.		
Operator Closure Certification:		
I hereby certify that the information and attachments submitted with the belief. I also certify that the closure complies with all applicable closure	is closure report is to re requirements and	rue, accurate and complete to the best of my knowledge and conditions specified in the approved closure plan.
Name (Print): Amy Archuleta	Title: Regulator	<u>Y</u>
Signature:		Date: <u>07-25-19</u>
e-mail address: <u>aarchuleta@djrllc.com</u>	Telephone:	505-632-3476 x201

### **Scope of Closure Activities:**

The purpose of this closure plan is to provide the details of the activities involved in the closure of the BGT at the Leeson #1 well site. The following scope of closure activities has been designed to meet this objective:

- 1) DJR Operating, LLC, or a contractor acting on behalf of DJR Operating, will close all of the BGTs currently in service within the five (5) years allotted. DJR Operating, LLC does not operate any BGTs which would qualify to be upgraded or retrofitted; as such, they will be closing all their current BGT's and replacing them with above ground storage if necessary.
- DJR Operating, LLC will close BGT's deemed to be an imminent danger to fresh water, public health, or the environment by an earlier date that the division requires as specified in subsection A of 19.15.17.13 NMAC
- 3) DJR Operating will close any BGT which demonstrates a compromise of integrity before the five (5) years allotted by the division per Paragraph (6) of subsection I of 19.15.17.11 NMAC. This deadline was missed.
- 4) DJR Operating, LLC will close any BGT within 60 days of cessation of the BGTs operation per Subsection A of 19.15.17.13 NMAC. **BGT Closure started 06-08-2019**
- 5) No less than 72 hours and no greater than on (1) week prior to BGT removal DJR Operating, LLC, or a contractor acting on behalf of DJR Operating, will provide written notification to the appropriate division district office as well as a schedule of on-site activities, as in accordance with 19.15.17.13 Subsection J Paragraph (2) NMAC. Written notification will include the name of the well operator, the well's API number, the wells name and number, and the well's unit letter, section, township and range. An email was sent to Cory Smith and at NMOCD on 06-08-2019
- 6) No less than 24 hours and no greater than one week prior to beginning BGT closure activities DJR Operating, LLC, or a contractor acting on behalf of DJR Operating, will provide written notification to the appropriate surface owner, as in accordance with 19.15.17.13 Subsection J Paragraph (1) NMAC. DJR Operating, or a contractor acting on behalf of DJR

Below Grade Tank (BGT) Closure Plan DJR Operating, LLC Bonanza 008 API: 30-043-20653

Operating, will notify the surface owner by certified mail, return receipt requested, that the operator plans to close a BGT. The return receipt will be used to ensure that he surface owner has received written notification no less than 25 hrs. and no greater than one week prior to the beginning of BGT closure activities. Evidence of mailing of the notice to the address of the surface owner shown in the county tax records is sufficient to demonstrate compliance with this requirement. Closure activities that will take place on tribal land will have notification sent by certified mail, return receipt requested, to the appropriate tribal office. DJR Operating, or a contractor acting on behalf of DJR Operating, will notify the BLM of closure activities for wells located on federal land per a Sundry Notice, as in in accordance with 19.15.17.13 Subsection J Paragraph (1) NMAC. All notices will be sent in such a way that the surface owner received notice at least 24 hours prior to the beginning of the closure activities. An email was sent to Jicarilla EPO, JOGA, Jicarilla BIA, and the Bureau of Land Management on 6-08-2019.

- 7) DJR Operating, LLC, or a contractor acting on behalf of DJR Operating, will remove all liquids, and/or sludge, if applicable, prior to closure. Material will be disposed of at Industrial Ecosystems, Inc. (IEI) Landfarm, Permit #NM-01-0010B or Basin Disposal, Permit #NM-01-0005, depending on the consistence of the material removed, as in accordance with 19.15.17.13 Subsection E Paragraph (1) NMAC. All liquids were removed and taken to Envirotech's landfarm.
- 8) DJR Operating, LLC, or a contractor acting on behalf of DJR Operating, will remove all on site equipment associated with this BGT that is no longer required for some other purpose, as in accordance with 19.15.17.13 Subsection E Paragraphs (3) NMAC. All equipment was removed, this site will still be in use. We plan to conduct reclamation when the well is plugged and abandoned.
- 9) If applicable, any liners or leak detection system removed from a BGT closure will be cleaned off and disposed of at San Juan County Regional Landfill in accordance with Subparagraph (m) of Paragraph (1) of subsection D of 19.15.9.712 NMAC N/A
- 10) DJR Operating, LLC, or a contractor acting on behalf of DJR Operating, will obtain prior approval from the OCD to dispose, recycle, reuse, or reclaim the BGT. DJR Operating, LLC, or a contractor acting on behalf of DJR Operating, will provide the OCD with documentation

Below Grade Tank (BGT) Closure Plan DJR Operating, LLC Bonanza 008 API: 30-043-20653

concerning the final disposition of the BGT with the closure report. **This BGT was crushed** and disposed of at the Bondad landfill.

- 11) Once the BGT is removed, a five (5)-point composite sample will be collected from directly below the tank or below the leak detection system if present. Grab samples will be collected from any areas that are wet, discolored, or showing other evidence of release. All samples being collected will be analyzed for benzene and total BTEX via USEAP Method 8021B, TPH via USEPA method 8015B, and chlorides, via USEPA 300.1, as in accordance with 19.15.17.13 Subsection E Paragraph (4) NMAC. Samples were collected on 6-25-2019 in the area adjacent to the BGT and on 7-11-2019 in the BGT area. Samples are attached.
- 12) Depending on soil sample results, the area will be either backfilled or the area will be excavated.
  - a. If soil samples do not exceed the regulatory standards of .02 mg/kg benzene, 50 mg/kg BTEX, 100 mg/kg TPH, and 250 mg/kg or background concentration of chlorides, as in accordance with 19.15.17.13 Subsection E Paragraph (4) NMAC.
    - DJR Operating, or a contractor acting on behalf of DJR
       Operating, shall submit a Form C-141 with the laboratory
       results so that the division may review the results to
       determine if additional delineation is required in accordance
       with Paragraph (5) of subsection E of 19.15.17.13 NMAC.
    - ii. DJR Operating, LLC, or a contractor acting on behalf of DJR Operating, will backfill the excavation or impacted area with nonwasted containing, earthen material, in accordance with 19.15.17.13 Subsection E Paragraph (6) NMAC. A soil cover shall be installed for all backfilled excavation consisting of the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater in accordance with Subsection H of 19.15.17.13 NMAC. The operator shall construct soil cover to the site's existing grade and prevent ponding of water and erosion of the cover material.
    - iii. All areas of the well site that are no longer utilized on a day to day basis for the production of oil and/or gas, DJR Operating,

Below Grade Tank (BGT) Closure Plan DJR Operating, LLC Bonanza 008 API: 30-043-20653

or a contractor acting on behalf of DJR Operating, will substantially restore, recontour, and revegetate the areas, in accordance with 19.15.17.13 Subsections G and I NMAC. The operator shall notify the division when it has been re-seeded and when it has achieved successful re-vegetation. For revegetation methods, please see attached re-vegetation plan.

- b. If soil samples exceed the regulatory standards stated above.
  - DJR Operating will submit a Release Notification by Form C-141 with the appropriate analytical laboratory results to the appropriate division district office, in accordance with 19.15.17.13 Subsection E Paragraph (4) NMAC.
  - ii. In accordance with Paragraph (5) of Subsection E of 19.15.17.13 NMAC, once the operator or the OCD has determined that the release has occurred, DJR Operating, LLC, or a contractor acting on behalf of DJR Operating, will comply with rule 19.15.3.116 NMAC and 19.15.1.19 NMAC as appropriate.

### Reporting

DJR Operating, LLC will submit a closure report within 60 days following the BGT closure. The closure report will consist of a form C-144 with all supporting \(\overline{\text{data}}\) and a form C-141 with all supporting data \(\overline{\text{data}}\). The supporting data will include proof of closure notice to the surface owner and the OCD \(\overline{\text{data}}\), confirmation of sampling analytical results \(\overline{\text{data}}\), a site diagram \(\overline{\text{data}}\), soil backfilling and cover installation \(\overline{\text{data}}\), revegetation rates \(\overline{\text{data}}\), re-seeding techniques \(\overline{\text{data}}\), and a site reclamation photo documentation \(\overline{\text{data}}\), if applicable, along with all other information related to onsite activities \(\overline{\text{data}}\).

Amy Archuleta Regulatory DJR Operating, LLC





- BSC 1
- -BSC 2
- BSC 3
- BSC 4
- Excavation

All samples representative of 5-point composites



### MAP DRAWN BY: BAH 7/19/2019

REVISIONS BY:

BAH

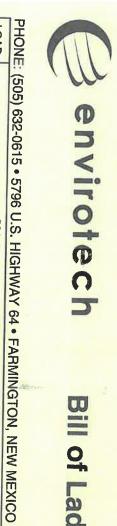
7/29/2019

APPROVED BY: FRA 7/29/2019

### Figure 2

Site Map DJR Operating, LLC. Bonanza 008 Well Site API: 30-043-20653 Section 2, Township 22N, Range 3W 36.163660, -107.128720 Sandoval County, New Mexico Project #17035-0103





### Bill of Lading

MANIFEST # 6,4525

2	DRUMS		87401			
7.4	TKT#		DATE	TRANSPO	POINT OF	GENERALOR
	TRK#	TRANSPOR	21.19	TRANSPORTER	POINT OF ORIGIN	OH
	TIME	TRANSPORTING COMPANY	JOB#	540	DEPUC	7
11	DRIVER SIGNATURE	NY	17035-00	,	148	

		S.C.	RESULTS									NO.	IOAD
CHLORIDE TEST PAINT FILTER TEST	CHLORIDE TEST	CHLORIDE TEST								FHS		DESTINATION	
By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the local in additional material has been added or mixed	☐ Soil w/ Debris ☐ After Hours/Weekend Receival ☐ Scrape Out ☐ Wash Out	EMPLOYEE	LANDFARM							Contsoic	MAICRIAL	MATERIAL	COMPLETE DESCRIPTION OF SHIPMENT
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al hauled fr	ut 🗆 Wash O	200	7							)	DRUMS		
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ocation has n										8	TRK#	TRANSPO	
ot been added										945	TIME	TRANSPORTING COMPANY	# QOD
to or tampered with.										Thing I want	DRIVER SIGNATURE	ANY	して、こので

Generator Onsite Contact

Signatures required prior to distribution of the legal document.

DISTRIBUTION: White - Company Records,

Yellow - Billing, Pink - Customer,

Phone

Goldenrod - LF Copy



# **Ju envirotech**

# Bill of Lading

GENE MANIFEST # 64544

POIN

DATE G-DS-	TRANSPORTER	POINT OF ORIGIN	GENERATOR DI
C JOB# 17035	A B	50naza #-8	~

		A 278	2		1			1	-		LOAD	문
PAINT FILTER TEST	CHLORIDE TEST	CHLORIDE TEST						7 11	SIF	DESTINATION	T	PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401
By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tan certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been ad into the load. Landfarm employee signature is certification of the above material being received and placed accordingly.	☐ Soil w/ Debris ☐ After Hours/Weekend Receival ☐ Scrape Out ☐ Wash Out	EMPLOYEE					11 11	11 11	Contsor	MATERIAL	COMPLETE DESCRIPTION OF SHIPMENT	96 U.S. HIGHWAY 64
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Generator Onsite Contact

Signatures required prior to distribution of the legal document.

DISTRIBUTION:

White - Company Records,

Yellow - Billing,

Pink - Customer, \_ Phone

Goldenrod - LF Copy



# Bill of Lading

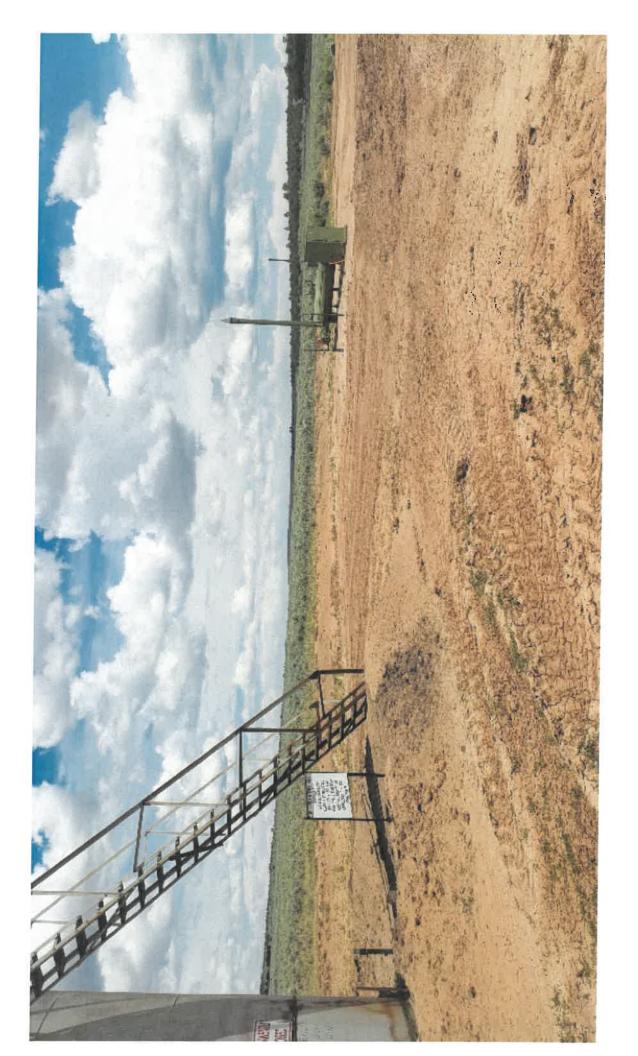
GENERATOR MANIFEST #

	RUMS		7401		(	
	TKT#		DATE 6	TRANSPORTER	POINT OF	
1	TRK#	TRANSPOR	26.10	RTER	POINT OF ORIGIN	
	TIME	TRANSPORTING COMPANY	JOB#	2 2	DZNON	
	DRIVER SIGNATURE	NY	17035-0082		と体	

			名です	RESULTS							10		į	NO EOA	PHONE
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bove mention signature i	ter, I certify	end Receival		>						40	120	20	YDS	MENT	TON, NEV
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al material had	ot haan adda.										11150	836	TIME	TRANSPORTING COMPANY	JOB#
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originatures required prior to distribution of the legal document.	Generator Onsite Contact
DISTRIBUTION:	
DISTRIBUTION: White - Company Records,	
ts, Yellow - Billing,	
Pink - Customer,	Phone
Goldenrod - LF Copy	

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Charge to Charge						381/9
Charge to 195.85 \$99.25 \$2.25 \$100 \$12.90 \$1		DESCRIPTION	RATE	100	100	TOTAL
Charge 55.96 \$5.92 \$5.00 \$12.90 \$12.90 \$13.00 \$13.00 \$12.90 \$13.0	0.4	To Mante	\$19.85	599.25	82.25	\$101.50
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District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

### **Release Notification**

Responsible Party D	JR Operating, LLC		OGRID	371838		
Contrat Name	Archuleta		Contact '	Telephone 505-632-3476		
Contact email aarch	uleta@djrllc.com		Incident	t # (assigned by OCD)		
Contact mailing addre	1 Road 3263	Aztec, NM 87410				
		Logation	of Release S	You woo		
26 16266		Location	UI NCICASE S	ource		
atitude36.16366		OVAD 83 in dec	Longitude			
		D CO CLANG				
ite Name Bonanza 0			Site Type	Well		
Date Release Discovere	d 06/07/2019		API# (if ap	plicable) 30-043-20653 Lease: Jicarilla 360		
Pate Refease Discovere	00/0//2017		1 (9 -9)			
		Range				
Unit Letter Section K 2	Township 22N		Cou Sando	nty val pache		
Unit Letter Section  K 2  rface Owner:   State	Township 22N Federal X Tri	bal Private (N	Coursando Sando Volume of I	nty val  pache  Release		
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Unit Letter Section  K 2  rface Owner: State  Mater  Crude Oil	Township 22N  Federal Tri  Federal Select all Volume Released Volume Released Is the concentration	bal Private (N  Nature and that apply and attach coll (bbls)  (bbls) unknown of total dissolved	Coursando Sando  Jame: Jicarilla Ap  Volume of I  alculations or specific  vn ed solids (TDS)	nty val  Release  justification for the volumes provided below) Volume Recovered (bbls)		
Unit Letter Section  K 2  rface Owner: State  Mater  Crude Oil	Township 22N  Federal Tri  Federal Select all Volume Released Volume Released Is the concentration	bal Private (N  Nature and that apply and attach of (bbls)  (bbls) unknown of total dissolve (vater >10,000 mg/l	Coursando Sando  Jame: Jicarilla Ap  Volume of I  alculations or specific  vn ed solids (TDS)	nty val  Release  justification for the volumes provided below) Volume Recovered (bbls)  Volume Recovered (bbls)		
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Form C-141 Page 6

### State of New Mexico Oil Conservation Division

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

Incident ID	
District RP	
Facility ID	
Application ID	

### Closure

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

A scaled site and sampling diagram as described in 19.15.29	.11 NMAC
Note The Photographs of the remediated site prior to backfill or photomust be notified 2 days prior to liner inspection)	s of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate OD	OC District office must be notified 2 days prior to final sampling)
■ Description of remediation activities	
and regulations all operators are required to report and/or file certa may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and rehuman health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regularestore, reclaim, and re-vegetate the impacted surface area to the caccordance with 19.15.29.13 NMAC including notification to the Complex of the caccordance with 19.15.29.13 NMAC including notification to the Complex of the caccordance with 19.15.29.13 NMAC including notification to the Complex of the caccordance with 19.15.29.13 NMAC including notification to the Complex of the caccordance with 19.15.29.13 NMAC including notification to the Complex of the caccordance with 19.15.29.13 NMAC including notification to the Complex of the caccordance with 19.15.29.13 NMAC including notification to the Complex of the Complex o	ations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in OCD when reclamation and re-vegetation are complete.
Printed Name: Appy Archuleta Signature:	Date:07-25-2019
email:aarchuleta@djrllc.com	Telephone:505-632-3476 x 201
OCD Only	
Received by:	Date:
Closure approval by the OCD does not relieve the responsible party remediate contamination that poses a threat to groundwater, surface party of compliance with any other federal, state, or local laws and	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.
Closure Approved by:	Date:
Printed Name:	Title:



### Event Summary **Bonanza 008** 30-043-20653

On June 7, 2019 while out inspecting below grade tanks (BGTs) for removal, a tipped over BGT was discovered on the Bonanza 008 (30-043-20653). Notice was sent to Jicarilla EPO, Jicarilla Oil and Gas Administration, Bureau of Land Management, and New Mexico Oil Conservation Division. A crew was dispatched to clean up the location.

While visiting this site with Hobson Sandoval (Jicarilla EPO) and Orson Harrison (Jicarilla Oil and Gas Administration) it was found that what appeared to be hydrocarbon contaminated soil was found to be soil that appeared to have small amounts of asphalt, it was believed this soil was used to build the location. After further discussions, it was decided to stop excavating as this soil was not contaminated. EPO and JOGA did not require DJR to pull confirmation samples, but in the best interest of DJR, confirmation samples were taken with Orson Harrison and Hobson Sandoval present. The samples were pulled to the West of the BGT closest to the production tank on the base of the excavation only. Those samples came back as non-detect.

Further excavation was needed where the BGT was located. The total amount of soil excavated from this site was 215 yards. On July 11<sup>th</sup>, 2018 confirmation samples were pulled for the remaining area. These samples were witnessed by Hobson Sandoval. The final map will not show confirmation samples on the West wall because the wall did not exist.

The backfill soil was taken from an approved EPO and JOGA borrow pit. This location will have an above grade tank placed in the same position; no reclamation is needed at this time.



### NMOCD Thresholds for Contaminated Soils:

Site Name:	Bonanza 008
API #:	30-043-20653
Lat/Long:	36.16366 -107.12872
Legal:	K - 2-T22N-R03W
Surface Owner:	Jicarilla Apache Nation
County:	Sandoval
Date:	6/20/2019

### **Depth To Groundwater Determination:**

Cathodic Report/Hydrolog	None Available
Elevation Differential	90' higher - 7 miles to the south. Pullting ground water at 390'.
Water Wells	RG 38723
Cathodic Report Nearby W	None Available

Depth to Groundy	vater:	<50'	50-100'	>100'
		Chec	☑ Chec	Chec
Table I Action	Benzene (mg/Kg)	10	10	10
Levels	BTEX (mg/Kg)	50	50	50
	418.1 TPH (mg/Kg)	100	2500	2500
	8015 GRO +DRO			
	(mg/Kg)	N/A	1000	1000
	Chlorides (mg/Kg)	600	10000	20000



### New Mexico Office of the State Engineer Wells Without Well Log Information

(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)

		POD		q	q	q					
POD Number RG 38723	Code	Subbasin MRG							Rng 03W	X 306823	¥ 3993707*
RG 80504		PUR	SA	3	3	4	02	21N	03W	308539	3994003
RG 93858 POD1		MRG	SA	2	1	l	23	21N	03W	308039	3990646
SJ 00297 EXPL			\$A		2	1	06	21N	03W		

Record Count: 4

PLSS Search:

Township: 21N

Range: 03W

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

6/20/19 2:02 PM

WELLS WITHOUT WELL LOG INFORMATION

<sup>\*</sup>UTM location was derived from PLSS - see Help



### New Mexico Office of the State Engineer

### Water Column/Average Depth to Water

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

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

closed)

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

(NAD83 UTM in meters)

(In feet)

**POD** Number

POD Sub-QQQ basin County 64 16 4 Sec Tws Rng

MRG

4 2 1 10 21N 03W

X 306823 3993707\*

Water DepthWellDepthWater Column 480

Average Depth to Water: 480 feet

Minimum Depth:

480 feet

Maximum Depth:

480 feet

Record Count: 1

RG 38723

PLSS Search:

Section(s): 10

Township: 21N

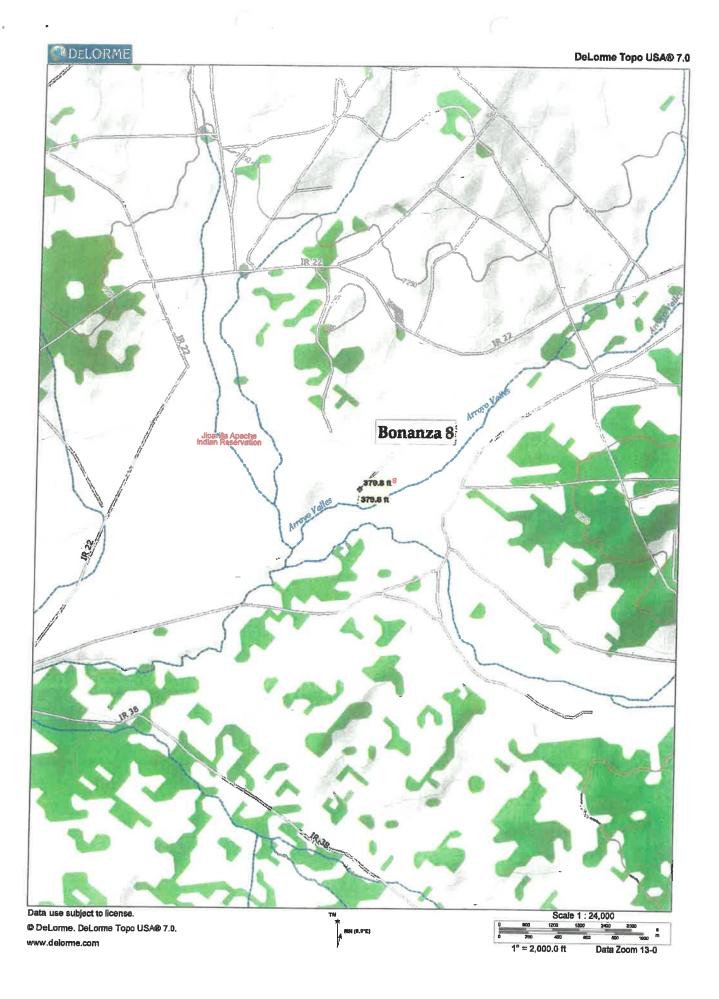
Range: 03W

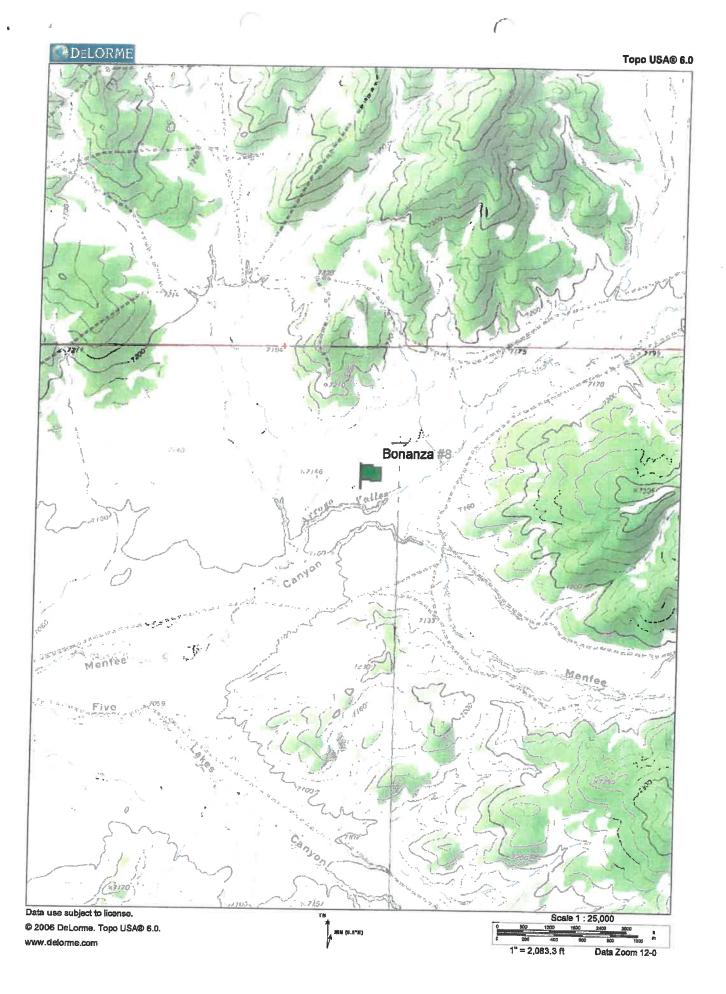
\*UIM location was derived from PLSS - see Help

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

6/20/19 1:20 PM

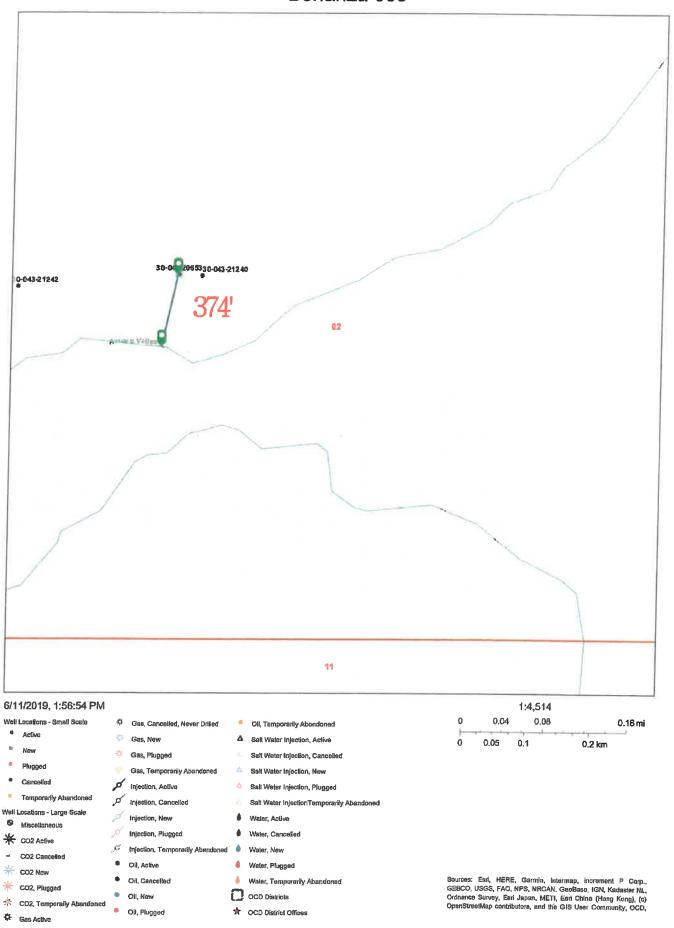
WATER COLUMN/ AVERAGE DEPTH TO WATER

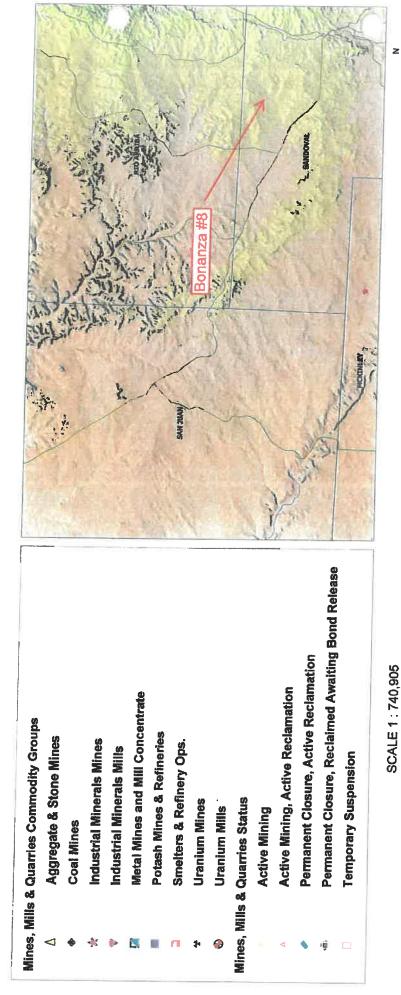






### Bonanza 008









### New Mexico Office of the State Engineer Point of Diversion With Meter Attached

PLSS Search:

Q4: NE

Section(s): 2

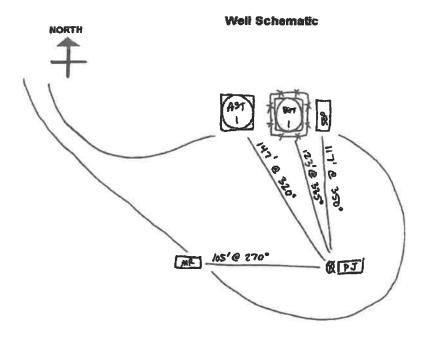
Township: 22N

Range: 03W

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

6/11/19 2:08 PM

POINT OF DIVERSION WITH METER ATTACHED



Schematic Key Separator	SEP	ArtiCcial Lift	AL	Condensate Tank	COND
Compressor	COM	Meter Run	METER RUN		
Dehydrator	DEH	Well Head	0	Weter Tank	WATER
		or less of the fo inuous flowing	_	water course	Ά
· From below-	grade tanks to	any permanen	t residence, ec	hool, church, hospital,	, etc. NA













- -BSC 1
- BSC 2
- BSC 3
- BSC 4
- Excavation

All samples representative of 5-point composites



BAH 7/19/2019

REVISIONS BY: BAH

7/29/2019

APPROVED BY: FRA 7/29/2019

1"=25'

### Figure 2

Site Map DJR Operating, LLC. Bonanza 008 Well Site API: 30-043-20653

Section 2, Township 22N, Range 3W 36.163660, -107.128720

Sandoval County, New Mexico Project #17035-0103



5796 U.S. HIGHWAY 64, FARMINGTON, NM 87401 505-632-0615





### **Analytical Report**

### **Report Summary**

Client: DJR Operating, LLC

Samples Received: 7/11/2019 Job Number: 17035-0028 Work Order: P907031

Project Name/Location: Bonanza 8

Report Reviewed By:	Walter Hinderman	Date:	7/17/19	

Walter Hinchman, Laboratory Director



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 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

envirotech-inc.com
Labadmin@envirotech-inc.com



Aztec NM, 87410

1 Rd 3263

Project Name:

Bonanza 8

Project Number: Project Manager: 17035-0028 Amy Archuleta

Reported:

07/17/19 11:39

# **Analyical Report for Samples**

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BCS-1	P907031-01A	Soil	07/11/19	07/11/19	Glass Jar, 2 oz.
BCS-2	P907031-02A	Soil	07/11/19	07/11/19	Glass Jar, 2 oz.
BCS-3	P907031-03A	Soil	07/11/19	07/11/19	Glass Jar, 2 oz.
BCS-4	P907031-04A	Soil	07/11/19	07/11/19	Glass Jar, 2 oz.

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5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

envirotech-inc.com

Labadmin@envirotech-inc.com



Project Name:

Bonanza 8

1 Rd 3263 Aztec NM, 87410 Project Number: Project Manager: 17035-0028 Amy Archuleta

Reported:

07/17/19 11:39

BCS-1 P907031-01 (Solid)

			21-01 (2011	(a)					
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	1928041	07/12/19	07/15/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1928041	07/12/19	07/15/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1928041	07/12/19	07/15/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1928041	07/12/19	07/15/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1928041	07/12/19	07/15/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1928041	07/12/19	07/15/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		98.0 %	50-1.	50	1928041	07/12/19	07/15/19	EPA 8021B	
Nonhalogenated Organics by 8015 - DRO/	ORO								
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1928040	07/12/19	07/15/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1928040	07/12/19	07/15/19	EPA 8015D	
Surrogate: n-Nonane		101 %	50-20	00	1928040	07/12/19	07/15/19	EPA 8015D	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1928041	07/12/19	07/15/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %	50-15	50	1928041	07/12/19	07/15/19	EPA 8015D	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	l	1928046	07/12/19	07/12/19	EPA 300.0/9056A	

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Page 3 of 12



Project Name:

Bonanza 8

1 Rd 3263 Aztec NM, 87410 Project Number:

17035-0028

Project Manager:

Amy Archuleta

**Reported:** 07/17/19 11:39

BCS-2 P907031-02 (Solid)

			31-02 (Solid	)					
		Reporting							
Analyte	Result	Limit	Units I	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg 1		1928041	07/12/19	07/16/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg 1		1928041	07/12/19	07/16/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg 1		1928041	07/12/19	07/16/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg 1		1928041	07/12/19	07/16/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg 1		1928041	07/12/19	07/16/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg 1		1928041	07/12/19	07/16/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		97.7 %	50-150	l	1928041	07/12/19	07/16/19	EPA 8021B	
Nonhalogenated Organics by 8015 - DRO	/ORO								
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg 1		1928040	07/12/19	07/15/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg 1		1928040	07/12/19	07/15/19	EPA 8015D	
Surrogate: n-Nonane		104 %	50-200		1928040	07/12/19	07/15/19	EPA 8015D	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg , 1		1928041	07/12/19	07/16/19	EPA 8015D,	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %	50-150		1928041	07/12/19	07/16/19	EPA 8015D	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg 1		1928046	07/12/19	07/12/19	EPA 300.0/9056A	



Project Name:

Bonanza 8

1 Rd 3263 Aztec NM, 87410 Project Number:

17035-0028

Reported: 07/17/19 11:39

Project Manager: Amy Archuleta

BCS-3 P907031-03 (Solid)

			100 (501	114)					
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	1928041	07/12/19	07/16/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1928041	07/12/19	07/16/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1928041	07/12/19	07/16/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1928041	07/12/19	07/16/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1928041	07/12/19	07/16/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1928041	07/12/19	07/16/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		97.9 %	50-I	50	1928041	07/12/19	07/16/19	EPA 8021B	
Nonhalogenated Organics by 8015 - DRO/0	ORO								
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1928040	07/12/19	07/15/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1928040	07/12/19	07/15/19	EPA 8015D	
Surrogate: n-Nonane		102 %	50-2	000	1928040	07/12/19	07/15/19	EPA 8015D	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND.	20.0	mg/kg	1,	1928041	07/12/19	07/16/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %	50-1	50	1928041	07/12/19	07/16/19	EPA 8015D	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1928046	07/12/19	07/12/19	EPA 300.0/9056A	



Project Name:

Bonanza 8

1 Rd 3263 Aztec NM, 87410 Project Number: Project Manager: 17035-0028

Amy Archuleta

**Reported:** 07/17/19 11:39

BCS-4 P907031-04 (Solid)

			21-04 (2011	iu)					
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	1928041	07/12/19	07/16/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1928041	07/12/19	07/16/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1928041	07/12/19	07/16/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1928041	07/12/19	07/16/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1928041	07/12/19	07/16/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1928041	07/12/19	07/16/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		97.7 %	50-1.	50	1928041	07/12/19	07/16/19	EPA 8021B	
Nonhalogenated Organics by 8015 - DRO/0	ORO								
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1928040	07/12/19	07/15/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1928040	07/12/19	07/15/19	EPA 8015D	
Surrogate: n-Nonane		105 %	50-20	00	1928040	07/12/19	07/15/19	EPA 8015D	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1928041	07/12/19	07/16/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID	_	103 %	50-15	50	1928041	07/12/19	07/16/19	EPA 8015D	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg		1928046	07/12/19	07/12/19	EPA 300.0/9056A	



1 Rd 3263 Aztec NM, 87410 Project Name:

Bonanza 8

Project Number: Project Manager: 17035-0028 Amy Archuleta

Reported:

07/17/19 11:39

## Volatile Organics by EPA 8021 - Quality Control

## **Envirotech Analytical Laboratory**

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1928041 - Purge and Trap EPA 5030A										
Blank (1928041-BLK1)				Prepared: (	)7/12/19 1 A	Analyzed: (	7/15/19 1			
Benzene	ND	0.0250	mg/kg							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	н							
p,m-Xylene	ND	0.0500	19							
o-Xylene	ND	0,0250	11							
Total Xylenes	ND	0.0250	0							
Surrogate: 4-Bromochlorobenzene-PID	7.61		н	8.00		95.1	50-150			
LCS (1928041-BS1)				Prepared: 0	7/12/19 1 A	nalyzed: 0	7/15/19 1			
Benzene	4.49	0.0250	mg/kg	5.00		89.7	70-130			
Toluene	4.86	0.0250	19	5.00		97.2	70-130			
Ethylbenzene	4.83	0.0250	**	5.00		96.6	70-130			
o,m-Xylene	9.95	0.0500	Œ	10.0		99.5	70-130			
p-Xylene	4.82	0.0250	0	5.00		96.4	70-130			
Total Xylenes	14.8	0.0250		15.0		98.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.68		"	8.00		96.0	50-150			
Matrix Spike (1928041-MS1)	Sou	rce: P907029-	01	Prepared: 0	7/12/19 1 A	nalyzed: 0	7/15/19 1			
Benzene	4.56	0.0250	mg/kg	5.00	ND	91.2	54.3-133			
Toluene	4.93	0.0250	"	5.00	ND	98.7	61.4-130			
Ethylbenzene	4.89	0.0250	0	5.00	ND	97.7	61.4-133			
,m-Xylene	10.0	0,0500		10.0	ND	100	63.3-131			
-Xylene	4.86	0.0250	н	5.00	ND	97.2	63.3-131			
Total Xylenes	14.9	0.0250		15.0	ND	99.4	63.3-131			
Surrogate: 4-Bromochlorobenzene-PID	7.68		"	8.00		96.0	50-150			
Matrix Spike Dup (1928041-MSD1)	Sou	rce: P907029-0	01	Prepared: 0	7/12/19 1 A	nalyzed: 0'	7/15/19 1			
Benzene	4.22	0.0250	mg/kg	5.00	ND	84.4	54.3-133	7.75	20	
Coluene	4.57	0.0250	0	5.00	ND	91.4	61.4-130	7.64	20	
Ethylbenzene	4.55	0.0250		5,00	ND	90.9	61.4-133	7.21	20	
,m-Xylene	9.35	0.0500	*1	10.0	ND	93.5	63.3-131	7.09	20	
-Xylene	4.53	0.0250	н	5.00	ND	90.6	63.3-131	7.09	20	
Total Xylenes	13.9	0.0250	н	15.0	ND	92,6	63,3-131	7.09	20	
urrogate: 4-Bromochlorobenzene-PID	7.81		n	8.00		97.6	50-150			

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Project Name:

Bonanza 8

1 Rd 3263

Project Number:

17035-0028

Reported:

Aztec NM, 87410

Project Manager:

Amy Archuleta

07/17/19 11:39

## Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control

## **Envirotech Analytical Laboratory**

					_					
		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1928040 - DRO Extraction EPA 3570										
Blank (1928040-BLK1)				Prepared: (	7/12/19 0 A	Analyzed: 0	7/15/19 1			
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	n							
Surrogate: n-Nonane	54.9		"	50.0		110	50-200			
LCS (1928040-BS1)				Prepared: 0	7/12/19 0 A	Analyzed: 0	7/15/19 1			
Diesel Range Organics (C10-C28)	486	25.0	mg/kg	500		97.3	38-132			
Surrogate: n-Nonane	50.7		n	50.0		101	50-200			
Matrix Spike (1928040-MS1)	Sour	ce: P907029-	01	Prepared: 0	7/12/19 0 A	nalyzed: 0	7/15/19 1			
Diesel Range Organics (C10-C28)	530	25.0	mg/kg	500	40.4	98.0	38-132			
Surrogate: n-Nonane	50.5		n	50.0		101	50-200			
Matrix Spike Dup (1928040-MSD1)	Sour	ce: P907029-0	)1	Prepared: 0	7/12/19 0 A	nalyzed: 0'	7/15/19 1			
Diesel Range Organics (C10-C28)	534	25.0	mg/kg	500	40.4	98.7	38-132	0.660	20	
Purrogate: n-Nonane	50.7		"	50.0		101	50-200			

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Aztec NM, 87410

1 Rd 3263

Project Name:

Project Manager:

Bonanza 8

Project Number:

17035-0028 Amy Archuleta

Reported:

07/17/19 11:39

## Nonhalogenated Organics by 8015 - GRO - Quality Control

## **Envirotech Analytical Laboratory**

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1928041 - Purge and Trap EPA 5030A										
Blank (1928041-BLK1)				Prepared: (	)7/12/19 1 <i>A</i>	Analyzed: 0	7/15/19 1			
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.25		"	8.00		103	50-150			
LCS (1928041-BS2)				Prepared: (	)7/12/19 1 A	Analyzed: 0	7/15/19 1			
Gasoline Range Organics (C6-C10)	54.9	20.0	mg/kg	50.0		110	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.25		"	8.00		103	50-150			
Matrix Spike (1928041-MS2)	Sou	rce: P907029-	01	Prepared: (	7/12/19 1 A	analyzed: 0	7/15/19 1			
Gasoline Range Organics (C6-C10)	56.1	20.0	mg/kg	50.0	ND	112	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.37		"	8.00		105	50-150			
Matrix Spike Dup (1928041-MSD2)	Sou	rce: P907029-0	01	Prepared: 0	7/12/19 1 A	nalyzed: 0	7/15/19 2			
Gasoline Range Organics (C6-C10)	55.6	20.0	mg/kg	50.0	ND	111	70-130	0.996	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.24		"	8.00		103	50-150			

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Aztec NM, 87410

1 Rd 3263

Project Name:

Bonanza 8

Project Number: Project Manager:

Reporting

17035-0028

Amy Archuleta

Spike

Source

%REC

Reported:

RPD

07/17/19 11:39

#### Anions by 300.0/9056A - Quality Control

## **Envirotech Analytical Laboratory**

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1928046 - Anion Extraction EPA	300.0/9056A									
Blank (1928046-BLK1)				Prepared &	Analyzed:	07/12/19 1				
Chloride	ND	20.0	mg/kg							
LCS (1928046-BS1)				Prepared &	Analyzed:	07/12/19 1				
Chloride	267	20.0	mg/kg	250		107	90-110			
Matrix Spike (1928046-MS1)	Source	: P907029-	01	Prepared &	Analyzed:	07/12/19 1				
Chloride	594	20.0	mg/kg	250	329	106	80-120			
Matrix Spike Dup (1928046-MSD1)	Source	: P907029-	01	Prepared &	Analyzed:	07/12/19 1				
Chloride	587	20.0	mg/kg	250	329	103	80-120	1.27	20	

QC Summary Report

Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values my differ slightly.

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Aztec NM, 87410

Project Name:

Bonanza 8

1 Rd 3263

Project Number:

17035-0028

Reported: 07/17/19 11:39

Project Manager:

Amy Archuleta

#### **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.

Page of

Practing U.C.			Lab Use Only	Only	TAT	3	EPA Program	E
e by:		#OM 9		Job Number	1D 3D	RCRA	CWA	SDWA
ED LE	4	P4670.51		17035-0028				
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Additional Instructions: P.O. AR-EH-L-Bronza S			j					
by and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample, for and may be grounds for legal action. Sampled by:	ocation, date or		J. B.	Samples requiring thermal preservation must be received on ite the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.	vation must be rec	ceived on ice the 6 °C on subseque	day they are semp int days.	paniatar to pap
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Sample Matrix: S - Soil, Sd - Soild, Sg - Sludge, A - Aqueous, O - Other	Container	Tuno. e . elace	4	AVG Temp C	<i>,</i>			
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. However, and the control of		I ype. 6 - glass,	DO d	Contained Type: 6 - Blass, p - poly/plastic, ag - amber glass, v - VOA	r glass, v - v	VOA		
only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.	n the report.	lent of disposed of	at the ci	ent expense. The repor	t for the anak	ysis of the ab	ove samples i	s applicable

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Page 12 of 12



# of Samples not required by EPD or JOGA Analytical Report

## **Report Summary**

Client: DJR Operating, LLC

Samples Received: 6/25/2019 Job Number: 17035-0028 Work Order: P906110

Project Name/Location: Bonanza 8

Report Reviewed By:	Walter Hintern	Date:	6/28/19	
	Walter Hinchman, Laboratory Director			



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.

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Envirotech, Inc, currently holds the appropriate and available Utah TNI certification NM009792018-1 for the data reported.

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DJR Operating, LLC 1 Rd 3263

Aztec NM, 87410

Project Name: Project Number: Bonanza 8

Project Manager:

17035-0028 Amy Archuleta

Reported: 06/28/19 13:20

# **Analyical Report for Samples**

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Bonanza 8 South	P906110-01A	Soil	06/25/19	06/25/19	Glass Jar, 2 oz.
Bonanza 8 North	P906110-02A	Soil	06/25/19	06/25/19	Glass Jar, 2 oz.

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Project Name:

Bonanza 8

1 Rd 3263 Aztec NM, 87410 Project Number:

17035-0028

Reported: 06/28/19 13:20

Project Manager: Amy Archuleta

Bonanza 8 South

	P906110-01 (Solid)												
		Reporting											
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes				
Volatile Organics by EPA 8021													
Benzene	ND	0.0250	mg/kg	1	1926019	06/26/19	06/27/19	EPA 8021B					
Toluene	ND	0.0250	mg/kg	1	1926019	06/26/19	06/27/19	EPA 8021B					
Ethylbenzene	ND	0.0250	mg/kg	1	1926019	06/26/19	06/27/19	EPA 8021B					
p,m-Xylene	ND	0.0500	mg/kg	1	1926019	06/26/19	06/27/19	EPA 8021B					
o-Xylene	ND	0.0250	mg/kg	1	1926019	06/26/19	06/27/19	EPA 8021B					
Total Xylenes	ND	0.0250	mg/kg	1	1926019	06/26/19	06/27/19	EPA 8021B					
Surrogate: 4-Bromochlorobenzene-PID		93.0 %	50-1.	50	1926019	06/26/19	06/27/19	EPA 8021B					
Nonhalogenated Organics by 8015 - DRO/	ORO												
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1926018	06/26/19	06/27/19	EPA 8015D					
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1926018	06/26/19	06/27/19	EPA 8015D					
Surrogate: n-Nonane		104 %	50-20	00	1926018	06/26/19	06/27/19	EPA 8015D					
Nonhalogenated Organics by 8015 - GRO													
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1926019	06/26/19	06/27/19	EPA 8015D					
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.6 %	50-13	50	1926019	06/26/19	06/27/19	EPA 8015D					
Anions by 300.0/9056A													
Chloride	ND	20.0	mg/kg	1	1926020	06/26/19	06/26/19	EPA 300.0/9056A					



Project Name:

Bonanza 8

1 Rd 3263 Aztec NM, 87410 Project Number: Project Manager: 17035-0028 Amy Archuleta

Reported:

06/28/19 13:20

## Bonanza 8 North P906110-02 (Solid)

		Reporting	(444						
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	1926019	06/26/19	06/27/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	l	1926019	06/26/19	06/27/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1926019	06/26/19	06/27/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	I	1926019	06/26/19	06/27/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	l	1926019	06/26/19	06/27/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg		1926019	06/26/19	06/27/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		93.0 %	50-15	0	1926019	06/26/19	06/27/19	EPA 8021B	
Nonhalogenated Organics by 8015 - DRO/OR	RO								
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg 1		1926018	06/26/19	06/27/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg 1		1926018	06/26/19	06/27/19	EPA 8015D	
Surrogate: n-Nonane		111 %	50-20	0	1926018	06/26/19	06/27/19	EPA 8015D	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg 1		1926019	06/26/19	06/27/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	50-15	0	1926019	06/26/19	06/27/19	EPA 8015D	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg 1		1926020	06/26/19	06/26/19	EPA 300.0/9056A	

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5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865



Project Name:

Bonanza 8

1 Rd 3263 Aztec NM, 87410 Project Number: Project Manager: 17035-0028 Amy Archuleta

Reported: 06/28/19 13:20

Volatile Organics by EPA 8021 - Quality Control

**Envirotech Analytical Laboratory** 

	D. I	Reporting	** **	Spike	Source	A/BEG	%REC	222	RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1926019 - Purge and Trap EPA 5030A										
Blank (1926019-BLK1)				Prepared: 0	06/26/19 1 A	Analyzed: 0	6/27/19 0			
Benzene	ND	0.0250	mg/kg							
Toluene	ND	0.0250	10							
Ethylbenzene	ND	0.0250	**							
p,m-Xylene	ND	0.0500	n							
o-Xylene	ND	0.0250								
Total Xylenes	ND	0.0250	11							
Surrogate: 4-Bromochlorobenzene-PID	7.79		"	8.00		97.3	50-150			
LCS (1926019-BS1)				Prepared: 0	6/26/19 1 A	Analyzed: 0	6/27/19 0			
Benzene	4.58	0.0250	mg/kg	5.00		91.5	70-130			
Toluene	4.94	0.0250	11	5.00		98.7	70-130			
Ethylbenzene	4.87	0.0250	**	5.00		97.3	70-130			
p,m-Xylene	10.0	0.0500	н	10.0		100	70-130			
o-Xylene	4.86	0.0250	н	5.00		97.2	70-130			
Total Xylenes	14.9	0.0250	н	15.0		99.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.77		"	8.00		97.1	50-150			
Matrix Spike (1926019-MS1)	Sou	rce: P906112-0	01	Prepared: 0						
Benzene	4.36	0.0250	mg/kg	5.00	ND	87.2	54.3-133			
Toluene	4.74	0.0250	94	5.00	ND	94.9	61.4-130			
Ethylbenzene	4.66	0.0250	**	5.00	ND	93.2	61.4-133			
p,m-Xylene	9.60	0.0500	8	10.0	ND	96.0	63.3-131			
o-Xylene	4.66	0.0250	2.	5.00	ND	93.2	63,3-131			
Total Xylenes	14.3	0.0250	н	15.0	ND	95.1	63.3-131			
Surrogate: 4-Bromochlorobenzene-PID	7.54		"	8.00		94.3	50-150			
Matrix Spike Dup (1926019-MSD1)	Sou	rce: <b>P906112-</b> 0	)1	Prepared: 0	6/26/19 1 A	nalyzed: 0				
Benzene	4.39	0.0250	mg/kg	5.00	ND	87.8	54.3-133	0.667	20	
Toluene	4.75	0.0250	11	5.00	ND	95.0	61.4-130	0.147	20	
Ethylbenzene	4.67	0.0250	ď.	5.00	ND	93.4	61.4-133	0.212	20	
p,m-Xylene	9.61	0.0500	**	10.0	ND	96.1	63.3-131	0.0833	20	
o-Xylene	4.67	0.0250	**	5.00	ND	93.4	63.3-131	0.179	20	
Total Xylenes	14.3	0.0250	**	15.0	ND	95.2	63.3-131	0.115	20	
Surrogate: 4-Bromochlorobenzene-PID	7.53	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	"	8.00		94.2	50-150			
our rogate. 4-promocmorovenzene-F1D	7.33			a.00		94.2	30-130			

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Project Name:

Bonanza 8

1 Rd 3263 Aztec NM, 87410 Project Number: Project Manager: 17035-0028 Amy Archuleta

Reported: 06/28/19 13:20

Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control

## **Envirotech Analytical Laboratory**

I .										
		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1926018 - DRO Extraction EPA 3570										
Blank (1926018-BLK1)				Prepared: (	06/26/19 0 A	Analyzed: 0	6/26/19 1			
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	п							
Surrogate: n-Nonane	91.5		"	50.0		183	50-200			
LCS (1926018-BS1)				Prepared: (	06/26/19 0 A	Analyzed: 0	6/26/19 1			
Diesel Range Organics (C10-C28)	510	25.0	mg/kg	500		102	38-132			
Surrogate: n-Nonane	60.1		"	50.0		120	50-200			
Matrix Spike (1926018-MS1)	Sou	rce: P906103-	01	Prepared: 0	06/26/19 0 A					
Diesel Range Organics (C10-C28)	1960	250	mg/kg	500	1160	160	38-132			SPK1
Surrogate: n-Nonane	65.9		"	50.0		132	50-200			
Matrix Spike Dup (1926018-MSD1)	Sou	rce: P906103-	01	Prepared: 0	)6/26/19 0 A	Analyzed: 0	6/26/19 2			
Diesel Range Organics (C10-C28)	1860	250	mg/kg	500	1160	141	38-132	5.06	20	SPK1
Surrogate: n-Nonane	65.9		n	50.0		132	50-200			

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Project Name:

8.06

Bonanza 8

1 Rd 3263 Aztec NM, 87410

Surrogate: 1-Chloro-4-fluorobenzene-FID

Project Number: Project Manager: 17035-0028 Amy Archuleta Reported: 06/28/19 13:20

Nonhalogenated Organics by 8015 - GRO - Quality Control

**Envirotech Analytical Laboratory** 

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1926019 - Purge and Trap EPA 5030A										
Blank (1926019-BLK1)				Prepared:	06/26/19 1 2	Analyzed: 0	6/27/19 0			
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.93		**	8.00		99.1	50-150			
LCS (1926019-BS2)				Prepared: (	06/26/19 1 A	Analyzed: 0	6/27/19 0			
Gasoline Range Organics (C6-C10)	50.4	20.0	mg/kg	50.0		101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.97		n	8.00		99.7	50-150			
Matrix Spike (1926019-MS2)	Sou	rce: P906112-	01	Prepared: (	06/26/19 1 /	Analyzed: 0	6/27/19 1			
Gasoline Range Organics (C6-C10)	48.9	20.0	mg/kg	50.0	ND	97.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.23		"	8.00		103	50-150			
Matrix Spike Dup (1926019-MSD2)	Sour	rce: P906112-	01	Prepared: (	)6/26/19 1 <i>A</i>	Analyzed: 0	6/27/19 0			
Gasoline Range Organics (C6-C10)	48.4	20.0	mg/kg	50.0	ND	96.8	70-130	1.02	20	

101

50-150

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DJR Operating, LLC 1 Rd 3263

Project Name:

Bonanza 8

Project Number:

17035-0028

Reported:

Aztec NM, 87410 Project Manager:

Amy Archuleta

06/28/19 13:20

# Anions by 300.0/9056A - Quality Control

## **Envirotech Analytical Laboratory**

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1926020 - Anion Extraction EPA 300.0	/9056A									
Blank (1926020-BLK1)		Prepared & Analyzed: 06/26/19 1								
Chloride	ND	20.0	mg/kg							
LCS (1926020-BS1)				Prepared &	Analyzed:	06/26/19 1				
Chloride	255	20.0	mg/kg	250		102	90-110			
Matrix Spike (1926020-MS1)	Sour	ce: P906110-0	D1	Prepared &	Analyzed:	06/26/19 1				
Chloride	258	20.0	mg/kg	250	ND	103	80-120			
Matrix Spike Dup (1926020-MSD1)	Sour	ce: P906110-0	)1	Prepared & Analyzed: 06/26/19 1						
Chloride	264	20.0	mg/kg	250	ND	106	80-120	2.51	20	

QC Summary Report

Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values my differ slightly.

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Project Name:

Bonanza 8

1 Rd 3263

Project Number:

17035-0028

Reported: 06/28/19 13:20

Aztec NM, 87410

Project Manager:

Amy Archuleta

#### **Notes and Definitions**

SPK1

The spike recovery is outside of quality control limits.

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.

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K CWA SDWA Samples requiring thermal preservation must be received on ice the day they are sampled or Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above Remarks NMI CO UT received packed in ice at an avg temp above 0 but tess than 5 °C on subsequent days. State EPA Program 3 RCRA Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA Lab Use Only X /N 1D 3D TAT Received on ice: Analysis and Method 1703 5 - 0028 AVG Temp °C Job Number T.814 H97 Chloride 300.0 Lab Use Only samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboraotry is limited to the amount paid for on the report. OLO3 slateM Time / 5.00 **NOC PA 8260** BLEX by 8021 Pace 6/1 Time GRO/DRO by 8015 t), attention the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or DRO/ORO by 8015 Number Lab Chain of Custody Amy Againsto Report Attention by: 6 28 19 WALL GOONS Received by: (Signature) Received by: (Signature) Report due by: Bonney 8 South A BAS City, State, Zip Attention: Address: Phone: Email: Sorange 8 time of collection is densidered fraud and may be grounds for legal action. Sampled by: Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other .... 3:G **senvirotech** Sample ID 21468 Uate UZZ Phone: 52-376, 251 4. Archaloso 8 Date No Containers AZTEC DA 4 H Address: 1 Road 3263 Client: DS Coord Frod Additional Instructions: Matrix Relinguished by: (Signature) Relinquished by: (Signature) Project: KononZa Email: QOCL Project Manager: Sampled City, State, Zip , (field samply Sampled 5

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879

Page 10 of 10

Three Springs - 65 Mercado Street, Sulte 115, Durango, CO 81301 5796 US Highway 64, Farmington, NM 87401

Analytical Laboratory