

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

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

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

Incident ID	NCS 1821147754
District RP	
Facility ID	
Application ID	

## Release Notification

NMOCD

SEP 13 2018

DISTRICT III

### Responsible Party

Responsible Party	DJR Operating, LLC	OGRID	371838
Contact Name	Amy Archuleta	Contact Telephone	505-632-3476
Contact email	aarchuleta@djrlc.com	Incident #	(assigned by OCD)
Contact mailing address	1 Road 3263 Aztec, NM 87410		

### Location of Release Source

Latitude 36.45287 Longitude -108.25764  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	South Bisti 30 O #001	Site Type	Oil
Date Release Discovered	July 30, 2018	API# (if applicable)	30-045-28481

Unit Letter	Section	Township	Range	County
O	30	26N	13W	San Juan

Surface Owner:  State  Federal  Tribal  Private (Name: \_\_\_\_\_)

### Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 9 bbls	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

#### Cause of Release

Corrosion caused a hole to develop in the tank.

Incident ID	
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Facility ID	
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### Site Assessment/Characterization

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

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

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

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

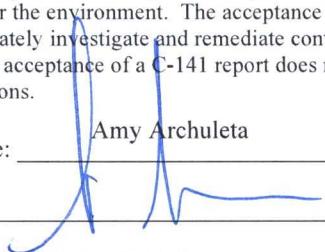
- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within 1/2-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

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

State of New Mexico  
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Amy Archuleta Title: Regulatory  
 Signature:  Date: 9-10-18  
 email: aarchuleta@djrlc.com Telephone: 505-632-3476

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	
District RP	
Facility ID	
Application ID	

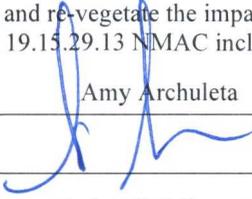
### Closure

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.

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

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

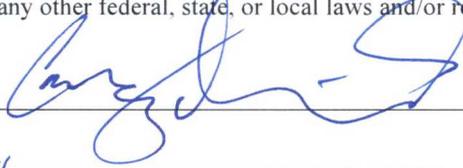
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public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

Printed Name: Amy Archuleta Title: Regulatory  
 Signature:  Date: 9-10-18  
 email: aarchuleta@djrlc.com Telephone: 505-632-3476

**OCD Only**

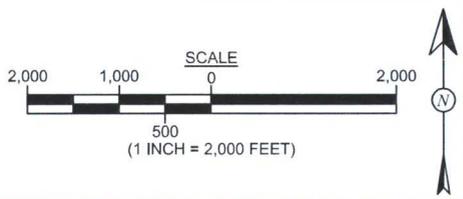
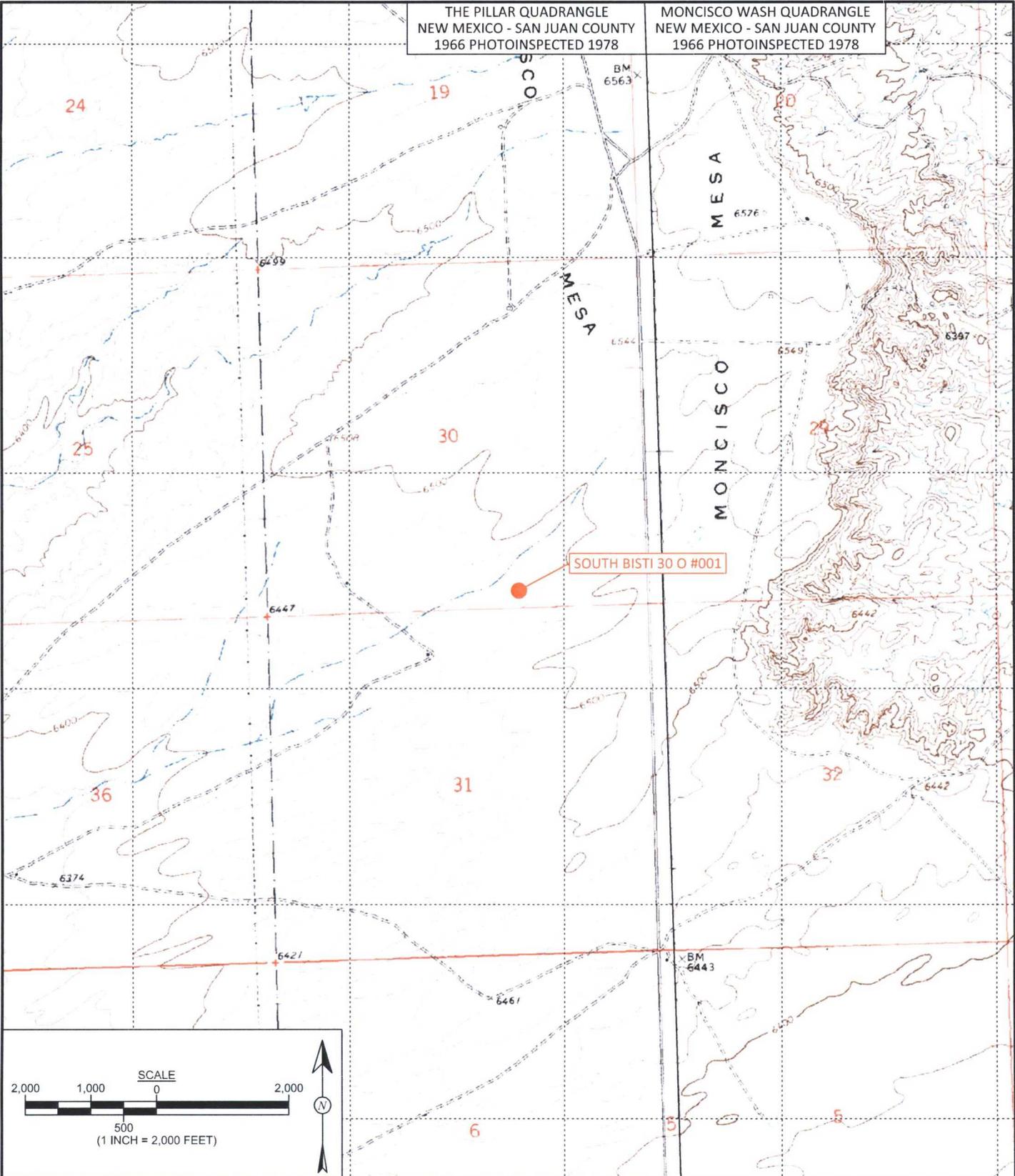
Received by:  Date: 9/13/18

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

Closure Approved by:  Date: 11/14/18  
 Printed Name: Cory Title: Environmental Spec.

THE PILLAR QUADRANGLE  
 NEW MEXICO - SAN JUAN COUNTY  
 1966 PHOTOINSPECTED 1978

MONCISCO WASH QUADRANGLE  
 NEW MEXICO - SAN JUAN COUNTY  
 1966 PHOTOINSPECTED 1978



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

<b>DRAWN BY:</b> C. Lameman	<b>DATE DRAWN:</b> August 21, 2018
<b>REVISIONS BY:</b> C. Lameman	<b>DATE REVISED:</b> August 21, 2018
<b>CHECKED BY:</b> T. Knight	<b>DATE CHECKED:</b> August 21, 2018
<b>APPROVED BY:</b> E. McNally	<b>DATE APPROVED:</b> August 21, 2018

**FIGURE 1**  
**TOPOGRAPHIC SITE LOCATION MAP**  
 DJR OPERATING  
 SOUTH BISTI 30 O #001  
 API: 30-045-28481  
 SW¼ SE¼, SECTION 30, T26N, R13W  
 SAN JUAN COUNTY, NEW MEXICO  
 N36.45285, W108.25772

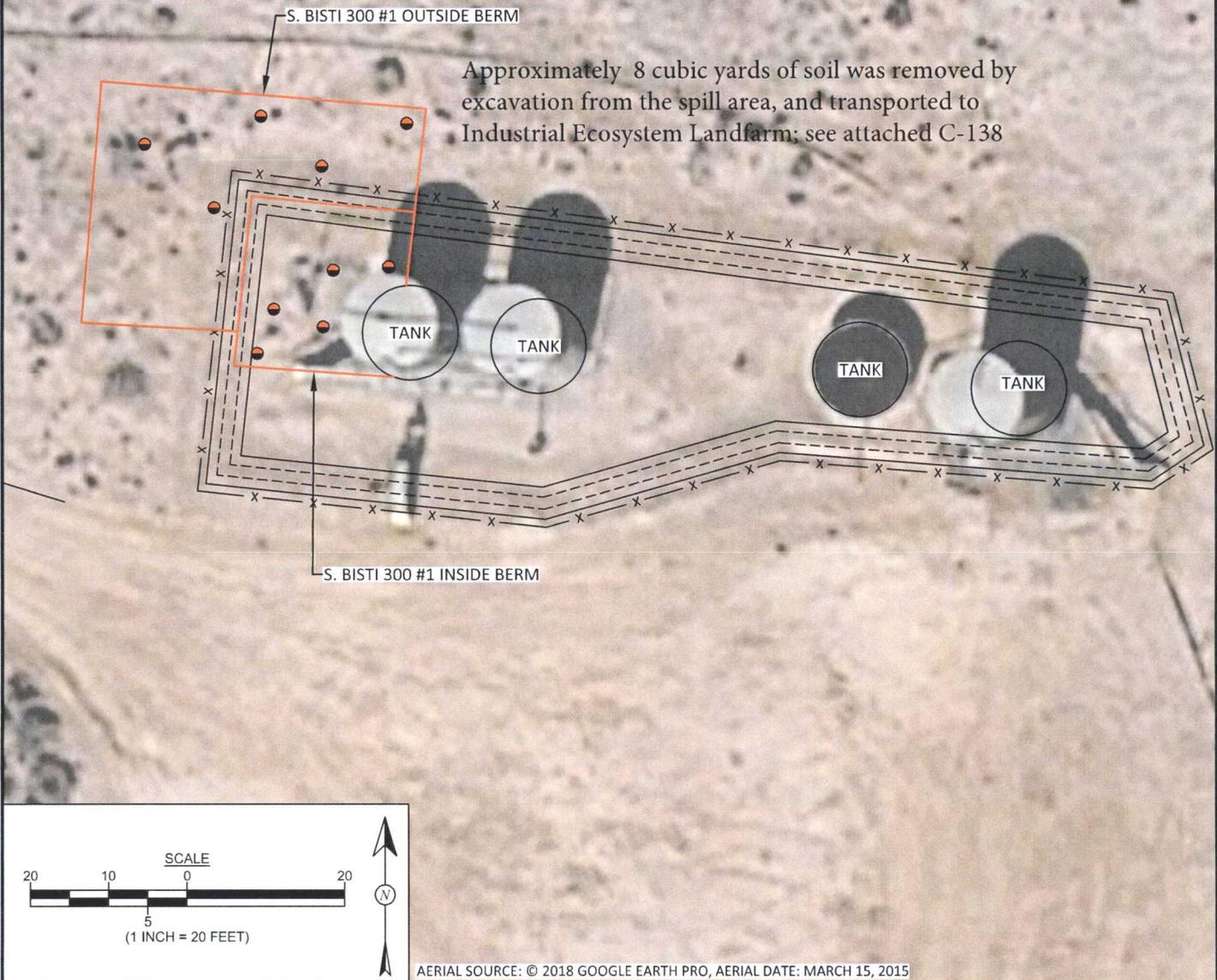


 <p><b>animas environmental services</b> Farmington, NM • Durango, CO animasenvironmental.com</p>	<p><b>DRAWN BY:</b> C. Lameman</p>	<p><b>DATE DRAWN:</b> August 21, 2018</p>	<p><b>FIGURE 2</b></p> <p><b>AERIAL SITE LOCATION MAP</b> DJR OPERATING SOUTH BISTI 30 O #001 API: 30-045-28481 SW¼ SE¼, SECTION 30, T26N, R13W SAN JUAN COUNTY, NEW MEXICO N36.45285, W108.25772</p>
	<p><b>REVISIONS BY:</b> C. Lameman</p>	<p><b>DATE REVISED:</b> August 21, 2018</p>	
	<p><b>CHECKED BY:</b> T. Knight</p>	<p><b>DATE CHECKED:</b> August 21, 2018</p>	
	<p><b>APPROVED BY:</b> E. McNally</p>	<p><b>DATE APPROVED:</b> August 21, 2018</p>	

LEGEND	
	SAMPLE LOCATIONS
	SECONDARY CONTAINMENT BERM
	FENCE

Laboratory Analytical Results							
Sample ID	Date	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	TPH-MRO (mg/kg)	Chlorides (mg/kg)
<b>NMOC ACTION LEVEL</b>		<b>10</b>	<b>50</b>	<b>1,000</b>			<b>20,000</b>
S. BISTI 300 #1 INSIDE BERM	8/20/18	<0.024	<0.217	<4.8	37	57	330
S. BISTI 300 #1 OUTSIDE BERM	8/20/18	<0.025	<0.225	<5.0	79	140	670

SAMPLE WAS ANALYZED PER USEPA METHOD 8260B, 8015D AND 300.0.



<b>DRAWN BY:</b> C. Lameman	<b>DATE DRAWN:</b> August 21, 2018
<b>REVISIONS BY:</b> C. Lameman	<b>DATE REVISED:</b> September 5, 2018
<b>CHECKED BY:</b> T. Knight	<b>DATE CHECKED:</b> September 5, 2018
<b>APPROVED BY:</b> E. McNally	<b>DATE APPROVED:</b> September 5, 2018

**FIGURE 3**

**AERIAL SITE LOCATION MAP AND SAMPLE LOCATIONS**

DJR OPERATING  
SOUTH BISTI 30 O #001  
API: 30-045-28481  
SW¼ SE¼, SECTION 30, T26N, R13W  
SAN JUAN COUNTY, NEW MEXICO  
N36.45285, W108.25772

2018 Spill Rule per NMAC 19.15.19.12:

NMOCD Thresholds for Unsaturated Contaminated Soils

Site Name:	South Bisti 30 O #001
API #:	30-045-28481
Lat/Long:	36.45285 -108.25772
Land Jurisdiction:	Navajo Nation
County:	San Juan
Determination made by:	DR
Date:	9/4/2018

Depth to Groundwater Determination	
Cathodic Report/Site Specific Hydrogeology	none available
Elevation Differential	120' higher than branch of Moncisco Wash 1.0 mi east and 230' higher than Pinabete Arroyo 2.2 mi west
Water Wells	none- some RG basin wells erroneously showed up on PRRC map
Cathodic Report Nearby Wells	none - searched several

Other Determinations:		Yes	No
<i>If a release occurs within the following areas, the RP must treat the release as if it occurred less than 50 ft to GW (NMAC 19.15.29.12C):</i>			
<300' of any continuously flowing watercourse or any other significant watercourse		<input type="checkbox"/>	<input checked="" type="checkbox"/>
<200' of any lakebed, sinkhole or playa lake (measured from the Ordinary High Water Mark)		<input type="checkbox"/>	<input checked="" type="checkbox"/>
<300' of an occupied permanent residence, school, hospital, institution or church		<input type="checkbox"/>	<input checked="" type="checkbox"/>
<500' of a spring or private/domestic water well used by <5 households for domestic or stock watering purposes		<input type="checkbox"/>	<input checked="" type="checkbox"/>
<1000' of any water well or spring		<input type="checkbox"/>	<input checked="" type="checkbox"/>
within incorporated municipal boundaries or within a defined municipal fresh water well field		<input type="checkbox"/>	<input checked="" type="checkbox"/>
<300' of a wetland		<input type="checkbox"/>	<input checked="" type="checkbox"/>
within the area overlying a subsurface mine		<input type="checkbox"/>	<input checked="" type="checkbox"/>
within an unstable area		<input type="checkbox"/>	<input checked="" type="checkbox"/>
within a 100-year floodplain		<input type="checkbox"/>	<input checked="" type="checkbox"/>
Explain any Yes Marks:			

Action Levels Determined for **South Bisti 30 O #001**

If Depth to Groundwater is...	0-50	50-100	>100
Then Release Action Levels are... Benzene	10	10	10
BTEX (mg/kg)	50	50	50
418.1 TPH (mg/kg)	100	2,500	2,500
8015 (GRO + DRO)	Not Required	1,000	1,000
Chlorides (mg/kg)	600	10,000	20,000

Release Action levels are determined by the depth below bottom of pit to groundwater, per NMAC 19.15.29.12E Table I.

DJR Operating, LLC  
South Bisti 30 O #001 Below Grade Tank Release Notification  
Photos Taken August 29, 2018



Photo 1: Outside Berm sampling locations



Photo 2: Outside Berm sampling locations



Photo 3: Outside Berm sampling locations



Photo 4: Inside Berm sampling locations



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

September 04, 2018

Amy Archuleta  
DJR Operating  
PO Box 156  
Bloomfield, NM 87413  
TEL: (505) 320-6917  
FAX

RE: S Bisti 300 #1

OrderNo.: 1808E29

Dear Amy Archuleta:

Hall Environmental Analysis Laboratory received 2 sample(s) on 8/22/2018 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued August 31, 2018.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

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

Sincerely,

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

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

**Analytical Report**

Lab Order 1808E29

Date Reported: 9/4/2018

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** DJR Operating

**Client Sample ID:** S. Bisti 300 #1 Inside Berm

**Project:** S Bisti 300 #1

**Collection Date:** 8/20/2018 8:10:00 AM

**Lab ID:** 1808E29-001

**Matrix:** SOIL

**Received Date:** 8/22/2018 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	330	30		mg/Kg	20	8/30/2018 3:19:17 AM	40062
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>Irm</b>
Diesel Range Organics (DRO)	37	9.6		mg/Kg	1	8/25/2018 3:47:55 PM	39966
Motor Oil Range Organics (MRO)	57	48		mg/Kg	1	8/25/2018 3:47:55 PM	39966
Surr: DNOP	100	50.6-138		%Rec	1	8/25/2018 3:47:55 PM	39966
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/24/2018 9:21:51 PM	39956
Surr: BFB	90.4	15-316		%Rec	1	8/24/2018 9:21:51 PM	39956
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Methyl tert-butyl ether (MTBE)	ND	0.097		mg/Kg	1	8/24/2018 9:21:51 PM	39956
Benzene	ND	0.024		mg/Kg	1	8/24/2018 9:21:51 PM	39956
Toluene	ND	0.048		mg/Kg	1	8/24/2018 9:21:51 PM	39956
Ethylbenzene	ND	0.048		mg/Kg	1	8/24/2018 9:21:51 PM	39956
Xylenes, Total	ND	0.097		mg/Kg	1	8/24/2018 9:21:51 PM	39956
Surr: 4-Bromofluorobenzene	123	80-120	S	%Rec	1	8/24/2018 9:21:51 PM	39956

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

**Analytical Report**

Lab Order 1808E29

Date Reported: 9/4/2018

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** DJR Operating

**Client Sample ID:** S. Bisti 300 #1 Outside Berm

**Project:** S Bisti 300 #1

**Collection Date:** 8/20/2018 8:30:00 AM

**Lab ID:** 1808E29-002

**Matrix:** SOIL

**Received Date:** 8/22/2018 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	670	30		mg/Kg	20	8/30/2018 3:31:42 AM	40062
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>IRM</b>
Diesel Range Organics (DRO)	79	9.9		mg/Kg	1	8/25/2018 4:12:34 PM	39966
Motor Oil Range Organics (MRO)	140	50		mg/Kg	1	8/25/2018 4:12:34 PM	39966
Surr: DNOP	101	50.6-138		%Rec	1	8/25/2018 4:12:34 PM	39966
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/24/2018 9:45:15 PM	39956
Surr: BFB	89.2	15-316		%Rec	1	8/24/2018 9:45:15 PM	39956
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	8/24/2018 9:45:15 PM	39956
Benzene	ND	0.025		mg/Kg	1	8/24/2018 9:45:15 PM	39956
Toluene	ND	0.050		mg/Kg	1	8/24/2018 9:45:15 PM	39956
Ethylbenzene	ND	0.050		mg/Kg	1	8/24/2018 9:45:15 PM	39956
Xylenes, Total	ND	0.10		mg/Kg	1	8/24/2018 9:45:15 PM	39956
Surr: 4-Bromofluorobenzene	120	80-120	S	%Rec	1	8/24/2018 9:45:15 PM	39956

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1808E29

04-Sep-18

Client: DJR Operating

Project: S Bisti 300 #1

Sample ID	<b>MB-40062</b>	SampType:	<b>mblk</b>	TestCode:	<b>EPA Method 300.0: Anions</b>					
Client ID:	<b>PBS</b>	Batch ID:	<b>40062</b>	RunNo:	<b>53808</b>					
Prep Date:	<b>8/29/2018</b>	Analysis Date:	<b>8/30/2018</b>	SeqNo:	<b>1775700</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	<b>LCS-40062</b>	SampType:	<b>lcs</b>	TestCode:	<b>EPA Method 300.0: Anions</b>					
Client ID:	<b>LCSS</b>	Batch ID:	<b>40062</b>	RunNo:	<b>53808</b>					
Prep Date:	<b>8/29/2018</b>	Analysis Date:	<b>8/30/2018</b>	SeqNo:	<b>1775701</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	98.1	90	110			

### Qualifiers:

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

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1808E29

04-Sep-18

Client: DJR Operating  
Project: S Bisti 300 #1

Sample ID	<b>LCS-39966</b>	SampType:	<b>LCS</b>	TestCode:	<b>EPA Method 8015M/D: Diesel Range Organics</b>					
Client ID:	<b>LCSS</b>	Batch ID:	<b>39966</b>	RunNo:	<b>53712</b>					
Prep Date:	<b>8/23/2018</b>	Analysis Date:	<b>8/25/2018</b>	SeqNo:	<b>1771900</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	96.4	70	130			
Surr: DNOP	5.3		5.000		105	50.6	138			

Sample ID	<b>MB-39966</b>	SampType:	<b>MBLK</b>	TestCode:	<b>EPA Method 8015M/D: Diesel Range Organics</b>					
Client ID:	<b>PBS</b>	Batch ID:	<b>39966</b>	RunNo:	<b>53712</b>					
Prep Date:	<b>8/23/2018</b>	Analysis Date:	<b>8/25/2018</b>	SeqNo:	<b>1771901</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		111	50.6	138			

### Qualifiers:

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1808E29

04-Sep-18

**Client:** DJR Operating  
**Project:** S Bisti 300 #1

Sample ID	<b>MB-39956</b>	SampType:	<b>MBLK</b>	TestCode:	<b>EPA Method 8015D: Gasoline Range</b>					
Client ID:	<b>PBS</b>	Batch ID:	<b>39956</b>	RunNo:	<b>53702</b>					
Prep Date:	<b>8/23/2018</b>	Analysis Date:	<b>8/24/2018</b>	SeqNo:	<b>1771368</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	930		1000		93.0	15	316			

Sample ID	<b>LCS-39956</b>	SampType:	<b>LCS</b>	TestCode:	<b>EPA Method 8015D: Gasoline Range</b>					
Client ID:	<b>LCSS</b>	Batch ID:	<b>39956</b>	RunNo:	<b>53702</b>					
Prep Date:	<b>8/23/2018</b>	Analysis Date:	<b>8/24/2018</b>	SeqNo:	<b>1771369</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	95.6	75.9	131			
Surr: BFB	1000		1000		104	15	316			

### Qualifiers:

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

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1808E29

04-Sep-18

**Client:** DJR Operating  
**Project:** S Bisti 300 #1

Sample ID: <b>MB-39956</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>39956</b>	RunNo: <b>53702</b>								
Prep Date: <b>8/23/2018</b>	Analysis Date: <b>8/24/2018</b>	SeqNo: <b>1771395</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.10								
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.2		1.000		124	80	120			S

Sample ID: <b>LCS-39956</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>39956</b>	RunNo: <b>53702</b>								
Prep Date: <b>8/23/2018</b>	Analysis Date: <b>8/24/2018</b>	SeqNo: <b>1771396</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	1.1	0.10	1.000	0	106	70.1	121			
Benzene	1.1	0.025	1.000	0	111	77.3	128			
Toluene	1.1	0.050	1.000	0	115	79.2	125			
Ethylbenzene	1.1	0.050	1.000	0	115	80.7	127			
Xylenes, Total	3.5	0.10	3.000	0	117	81.6	129			
Surr: 4-Bromofluorobenzene	1.2		1.000		124	80	120			S

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
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Hall Environmental Analysis Laboratory  
 4901 Hawkins NE  
 Albuquerque, NM 87109  
 TEL: 505-345-3975 FAX: 505-345-4107  
 Website: www.hallenvironmental.com

# Sample Log-In Check List

Client Name: DJR OPERATING

Work Order Number: 1808E29

RcptNo: 1

Received By: Erin Melendrez 8/22/2018 8:20:00 AM

Completed By: Ashley Gallegos 8/23/2018 8:33:55 AM

Reviewed By: JO 8/23/18

*AMS*

*AG*

labeled by: JAB 08/23/18

**Chain of Custody**

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

**Log In**

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

# of preserved bottles checked for pH: \_\_\_\_\_  
 (<2 or >12 unless noted)  
 Adjusted? JAB  
 Checked by: \_\_\_\_\_

*08/23/18*

**Special Handling (if applicable)**

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

Person Notified:	_____	Date:	_____
By Whom:	_____	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	_____		
Client Instructions:	_____		

16. Additional remarks:

**17. Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.8	Good	Yes			

Chain-of-Custody Record



**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Client: DSR Operating  
 Mailing Address: 1 Road 3763  
Aztec, NM 87410  
 Phone #: 505-632-3476  
 email or Fax#: Archuleta@edjick.com  
 QA/QC Package:  
 Standard  Level 4 (Full Validation)  
 Accreditation:  Az Compliance  
 NELAC  Other  
 EDD (Type)

Standard  Rush  
 Project Name: S Bist. 300# 1  
 Project #:  
 Project Manager: J. Archuleta  
 Sampler: AA  
 On Ice:  Yes  No  
 # of Coolers: 1  
 Cooler Temp (including CP): 4.8-1.0=3.8

Analysis Request										
BTEX / MTBE / TMB's (8021)	TPH:8015D/GRO / DRO / MIRO	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub>	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	
									<u>Chlorides 300.0</u>	

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No
8/20	8:10	Soil	S. Bisti 300#1 Inside Berm	Glass	Ice	-001
8/20	8:30	Soil	S. Bisti 300#1 outside berm	Glass	Ice	-002

Date: 8/21/18 Time: 1348 Relinquished by: [Signature]  
 Received by: [Signature] Via: Hand Date: 8/21/18 Time: 1348  
 Date: 8/21 Time: 1804 Relinquished by: [Signature]  
 Received by: [Signature] Via: Courier Date: 8/22/18 Time: 0820

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

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1600 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-138  
Revised 06/01/11

\*Surface Waste Management Facility Operator and Generator shall maintain and make this documentation available for Division inspection.

### REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address: DJR Operating, LLC PO Box 156 Bloomfield, NM 87413	
2. Originating Site: South Bisti 30 O 1 30-045-28481	
3. Location of Material (Street Address, City, State or ULSR): SWSE Sec. 30-T26N-R13W San Juan County, NM	
4. Source and Description of Waste: Contaminated soil from leak in production tank containing iron sulfites and hydrocarbons. Estimated Volume: 10 YDS yd <sup>3</sup> / bbls Known Volume (to be entered by the operator at the end of the haul) 8 yd <sup>3</sup> / bbls	
5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS I, <u>Cindy Siles</u> , representative or authorized agent for DJR Operating, LLC do hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above-described waste is: (Check the appropriate classification) <input checked="" type="checkbox"/> RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. <u>Operator Use Only: Waste Acceptance Frequency</u> <input type="checkbox"/> Monthly <input type="checkbox"/> Weekly <input checked="" type="checkbox"/> Per Load <input type="checkbox"/> RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items) <input type="checkbox"/> MSDS Information <input type="checkbox"/> RCRA Hazardous Waste Analysis <input type="checkbox"/> Process Knowledge <input type="checkbox"/> Other (Provide description in Box )	
GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS I, <u>Cindy Siles</u> , representative for DJR Operating, LLC authorize IEI to complete the required testing/sign the Generator Waste Testing Certification. I, <u>Chris</u> , representative for IEI do hereby certify that Representative/Agent Signature Representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the same have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.	
Transporter: Calder Services	

#### OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: #: JFJ Land farm/Industrial Ecosystems, Inc. \* Permit #: NM 01-0010B

Address of Facility: 49 CR 3150 Aztec, NM 87410

Method of Treatment and/or Disposal:

Evaporation  Injection  Treating Plant  Landfarm  Landfill  Other

Waste Acceptance Status:

APPROVED

DENIED (Must Be Maintained As Permanent Record)

PRINT NAME: Celia Sanchez

TITLE: Chief

DATE: 7/30/18

SIGNATURE: Celia Sanchez  
Surface Waste Management Facility Authorized Agent

TELEPHONE NO.: 505-632-4782

7/30