### LT Environmental, Inc.

3300 North "A" Street Building 1, Unit 103 Midland, Texas 79705 432.704.5178

A proud member of WSP

April 30, 2020

Mr. Bradford Billings New Mexico Oil Conservation Division 1220 South St. Francis Drive, #3 Santa Fe, New Mexico 87505

### RE: Closure Request North Indian Flats 24 Federal #14 Remediation Permit Number 2RP-3341 Eddy County, New Mexico

Dear Mr. Billings:

LT Environmental, Inc. (LTE), on behalf of XTO Energy, Inc. (XTO), presents the following Closure Request detailing site assessment and soil sampling activities at the North Indian Flats 24 Federal #14 (Site) in Unit B, Section 24, Township 21 South, Range 28 East, in Eddy County, New Mexico (Figure 1). The purpose of the site assessment and soil sampling activities was to address impacts to soil after a produced water release at the Site.

The release is included in the Compliance Agreement for Remediation for Historical Releases (Compliance Agreement) between XTO and the New Mexico Oil Conservation Division (NMOCD) effective November 13, 2018. The purpose of the Compliance Agreement is to ensure reportable releases that occurred prior to August 14, 2018, where XTO is responsible for the corrective action, comply with Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC) as amended on August 14, 2018. The release is categorized as a Tier IV site in the Compliance Agreement, meaning the release occurred prior to August 14, 2018, the effective date of 19.15.29 NMAC; however, remediation was ongoing. Based on the site assessment activities and results of the soil sampling events, XTO is requesting no further action for this release.

### **RELEASE BACKGROUND**

A produced water release was presumed to have occurred during plugging and abandonment activities in June 2015. The release was discovered on July 17, 2015 and affected approximately 1,350 square feet of the well pad. The release volume was estimated to be less than 5 barrels. The former operator reported the release to the NMOCD on a Release Notification and Corrective Action Form C-141 on October 15, 2015 and was assigned Remediation Permit (RP) Number 2RP-3341 (Attachment 1). The Form C-141 indicates that a Remediation Action Plan was submitted to NMOCD on October 14, 2015, and that the plan was approved by NMOCD and amended by BLM on October 15, 2015. Remediation activities were schedule to begin on October 16, 2015.



Billings, B. Page 2

### SITE CHARACTERIZATION

LTE characterized the Site according to Table 1, *Closure Criteria for Soils Impacted by a Release*, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on the nearest water well data. The closest permitted water well with depth to water data is United States Geological Survey (USGS) well 322850104014201, located approximately 4,115 feet northeast of the Site. The water well has a depth to groundwater of approximately 134 feet bgs, and a total depth of 160 feet bgs. Ground surface elevation at the water well location is 3,294 feet above mean sea level (AMSL), which is approximately 18 feet higher in elevation than the Site. The closest continuously flowing water or significant watercourse to the Site is an emergent wetland, located approximately 2,142 feet northeast of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is located in a medium-potential karst area.

### **CLOSURE CRITERIA**

Based on the results of the Site Characterization, the following NMOCD Table 1 Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg);
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg;
- Total petroleum hydrocarbons (TPH): 2,500 mg/kg;
- TPH-gasoline range organics (GRO) and TPH-diesel range organics (DRO): 1,000 mg/kg;
- Chloride: 20,000 mg/kg.

The well pad has been reclaimed; therefore, a closure criteria of 600 mg/kg chloride was applied to the top 4 feet of the subsurface per NMAC 19.15.29.13.D (1), for areas that will be reclaimed following remediation.

### SITE ASSESSMENT, SOIL SAMPLING, AND EXCAVATION ACTIVITIES

The initial Form C-141 indicated that a Remediation Action Plan was submitted to NMOCD on October 14, 2015, and that the plan was approved by NMOCD and amended by BLM on October 15, 2015. A copy of the Remediation Action Plan was not available for LTE to review. However, historical documentation of site assessment, soil sampling, and excavation activities from September and October 2015 was available. Documentation includes site photos, release extent and sample location site maps, and soil sample laboratory analytical results. The historical documentation is provided in Attachment 2.



Billings, B. Page 3

The Site was inspected in September 2015. Visible surface impacts were identified in two areas; the east impact area (EIA) near the center of the pad and the west impact area (WIA) on the west side of the pad. Preliminary or delineation soil samples were collected from 19 locations (#1 through #19) on the well pad, and 22 locations (#1-R through #22-R) on the lease road for field screening and laboratory analysis of chloride. Based on visible surface staining, field screening activities and laboratory analytical results at sample points #13 through #16, excavation of impacted soil was warranted in the EIA and WIA.

Excavation depth was determined based on field screening activities and laboratory analytical results for the vertical delineation samples collected at sample points #13 through #16. Excavation was completed in the WIA around soil samples #13 and #14, to a depth of 5 feet bgs. Excavation was completed in the EIA around soil samples #15 and #16, to a depth of 3 feet bgs. Upon completion of excavation activities, sidewall samples WIA W wall 2, WIA S wall, WIA E wall 3, and WIA E wall 2 were collected from the western excavation and sidewall samples EIA E wall, EIA N wall 2, EIA NE wall 2, EIA W wall 5, EIA SW wall, EIA S wall, and EIA SE wall were collected from the eastern excavation. The excavation soil samples were submitted for laboratory analysis of chloride.

### ANALYTICAL RESULTS

Laboratory analytical results indicated that chloride concentrations were below 600 mg/kg in preliminary soil samples #1 through #12, #17 through #19, and #1-R through #22-R, and no excavation was warranted in these areas.

Field screening activities and laboratory analytical results for delineation soil samples collected from sample points #13 through #16 indicated that excavation was warranted in these areas. Excavation depth was determined based on field screening activities and laboratory analytical results for the delineation samples. Laboratory analytical results for the excavation sidewall samples, indicated that chloride concentrations were below 600 mg/kg, and no further remediation was required.

Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included as Attachment 3.

### **CLOSURE REQUEST**

Impacted soil was excavated from the Site to address the June 2015 release of produced water at the Site. Excavation activities were completed in October 2015 shortly after the Remediation Action Plan was approved; therefore, site remediation is presumed to have been completed in accordance with the approved plan. Laboratory analytical results for the excavation soil samples indicated that chloride concentrations were below 600 mg/kg. Based on the laboratory analytical results, it appears that impacted soil was successfully removed during October 2015, and no



Billings, B. Page 4

further remediation was required. LTE inspected the Site in April 2020, the excavations were backfilled, the well pad was reclaimed, and vegetation has been successfully established. Photographs from the Site visit are included in Attachment 4.

Natural attenuation and excavation of impacted soil have mitigated impacts at this Site. XTO requests no further action for RP Number 2RP-3341. An updated NMOCD Form C-141 is included in Attachment 1.

If you have any questions or comments, please do not hesitate to contact Ms. Ashley Ager at (970) 385-1096.

Sincerely,

LT ENVIRONMENTAL, INC.

mée Cole

Aimee Cole Project Environmental Scientist

cc: Kyle Littrell, XTO Bureau of Land Management Mike Bratcher, NMOCD

Attachments:

- Figure 1 Site Location Map
- Table 1Soil Analytical Results
- Attachment 1 Initial/Final NMOCD Form C-141 (2RP-3341)
- Attachment 2 Historical Documentation
- Attachment 3 Laboratory Analytical Reports
- Attachment 4 Photographic Log

Ushley L. Ager

Ashley L. Ager, P.G. Senior Geologist

Received by OCD: 5/11/2020 9:24:16 AM

## FIGURES





Released to Imaging: 9/22/2022 12:01:33 PM

Received by OCD: 5/11/2020 9:24:16 AM

### TABLES



.

### TABLE 1 SOIL ANALYTICAL RESULTS

### NORTH INDIAN FLATS 24 FEDERAL #14 REMEDIATION PERMIT NUMBER 2RP-3341 EDDY COUNTY, NEW MEXICO XTO ENERGY, INC.

Sample Name	Sample Depth (feet bgs)	Sample Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl- benzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 C	losure Criteria		10	NE	NE	NE	50	NE	NE	NE	1,000	2,500	20,000
#1-S	Surface	09/24/2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	80.0
#2-S	Surface	09/24/2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	32.0
#3-S	Surface	09/25/2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<16.0
#4-S	Surface	09/25/2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<16.0
#5-S	Surface	09/25/2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	32.0
#6-S	Surface	09/25/2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<16.0
#7-S	Surface	09/29/2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<16.0
#8-S	Surface	09/29/2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	32.0
#9-S	Surface	09/29/2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<16.0
#10-S	Surface	09/29/2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<16.0
#11-S	Surface	09/29/2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	32.0
#12-S	Surface	09/29/2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<16.0
#13-3	3	10/13/2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	608.0
#14-3	3	10/14/2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	208.0
#15-1	1	09/24/2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	128.0
#16-6	6	10/15/2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	352.0
#17-S	Surface	09/24/2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	48.0
#18-S	Surface	09/29/2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	208.0
#19-S	Surface	09/29/2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<16.0
#1-R	Surface	09/30/2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<16.0
#2-R	Surface	09/30/2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<16.0
#3-R	Surface	09/30/2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	32.0
#4-R	Surface	09/30/2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<16.0
#5-R	Surface	09/30/2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<16.0

.

### TABLE 1 SOIL ANALYTICAL RESULTS

### NORTH INDIAN FLATS 24 FEDERAL #14 REMEDIATION PERMIT NUMBER 2RP-3341 EDDY COUNTY, NEW MEXICO XTO ENERGY, INC.

Sample Name	Sample Depth (feet bgs)	Sample Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl- benzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Clo	sure Criteria		10	NE	NE	NE	50	NE	NE	NE	1,000	2,500	20,000
#6-R	Surface	09/30/2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<16.0
#7-R	Surface	09/30/2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<16.0
#8-R	Surface	09/30/2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<16.0
#9-R	Surface	09/30/2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<16.0
#10-R	Surface	09/30/2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<16.0
#11-R	Surface	09/30/2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<16.0
#12-R	Surface	09/30/2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<16.0
#13-R	Surface	09/30/2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<16.0
#14-R	Surface	09/30/2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<16.0
#15-R	Surface	09/30/2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<16.0
#16-R	Surface	09/30/2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<16.0
#17-R	Surface	09/30/2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<16.0
#18-R	Surface	09/30/2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<16.0
#19-R	Surface	09/30/2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<16.0
#20-R	Surface	10/02/2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<16.0
#21-R	Surface	10/02/2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<16.0
#22-R	Surface	10/02/2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<16.0
WIA W WALL 2		10/16/2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	400.0
WIA S WALL		10/16/2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	224.0
WIA E WALL 3		10/16/2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	368.0
WIA N WALL 2		10/21/2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	176.0

### TABLE 1 SOIL ANALYTICAL RESULTS

### NORTH INDIAN FLATS 24 FEDERAL #14 REMEDIATION PERMIT NUMBER 2RP-3341 EDDY COUNTY, NEW MEXICO XTO ENERGY, INC.

Sample Name	Sample Depth (feet bgs)	Sample Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl- benzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Clo	sure Criteria		10	NE	NE	NE	50	NE	NE	NE	1,000	2,500	20,000
EIA E WALL		10/16/2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	144.0
EIA N WALL 2		10/19/2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<16.0
EIA NE WALL 2		10/19/2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	144.0
EIA W WALL 5		10/19/2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	16.0
EIA SW WALL		10/21/2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	16.0
EIA S WALL		10/21/2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<16.0
EIA SE WALL		10/21/2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	96.0

### Notes:

bgs - below ground surface

BTEX - benzene, toluene, ethylbenzene, and total xylenes

DRO - diesel range organics

GRO - gasoline range organics

mg/kg - milligrams per kilogram

MRO - motor oil range organics NMAC - New Mexico Administrative Code NMOCD - New Mexico Oil Conservation Division NE - not established TPH - total petroleum hydrocarbons **Bold** - indicates result exceeds the applicable regulatory standa indicates remov < - indicates result is below laboratory reporting limits

Table 1 - closure criteria for soils impacted by a release per NMAC 19.15.29 Aug N/A - not analyzed

Greyed data represents samples that were excavated

Received by OCD: 5/11/2020 9:24:16 AM

. Released to Imaging: 9/22/2022 12:01:33 PM

Received	bv	OCD:	5/11	/2020	9:24:16	AM
	~ ,	~ ~ ~ ~ .				

r'

### NM OIL CONSERVATION

,

ARTESIA DISTRICT

Page 12 of 60

Data Line       Address Actes, NM 3780       Subject Control Division       Subject Control Division         Data Control Division       1220 South St. Francis Dr.       Subject Control Division       Subject Control Division         Data Control Division       1220 South St. Francis Dr.       Subject Control Division       Subject Control Division         Data Control Division       1220 South St. Francis Dr.       Subject Control Division       Subject Control Division         Name of Company. BOPCO, LP.       Division       OPERATOR       Initial Report       Final Report         Address. S22 W. Mermod, Subject Pd Confedad, NM. 88220       Telephone No. 575-887-7329       Telephone No. 575-887-7329       Final Report         Surface Owner: Federal       Mineral Owner: Unknown       APT No. 30-015-39136       Decempony         LoccArtion OF RELEASE       North Main Files 24 Federal #1       North South Line       Fed from the       East/Weat Line       Construct         Latitude       32.472982*       Longitude       Tobe and Honor of Discovery       Output       Date and Honor of Discovery         Star Converse       Construct       Pate and Honor of Discovery       Output and Monor       Date and Honor of Discovery       Date and Honor of Discovery <th>District II Energy Miner</th> <th>c of New Mexico OCT 1 5 2015 Form C-141 rals and Natural Resources Revised August 8, 2011</th>	District II Energy Miner	c of New Mexico OCT 1 5 2015 Form C-141 rals and Natural Resources Revised August 8, 2011							
Santa Fe, NM 87305         Release Notification and Corrective Action         Mare of Company: BOPCO, L.P.         OPERATOR       Initial Report       Final Report         Name of Company: BOPCO, L.P.       Contact: Any Ruth         Address: \$22: W. Mermod, Suite 704 Carbad, N.M. 88220       Telephone No. 575-487-7329       Final Report       Final Report       Final Report         Surface Owner: Federal       Mineral Owner: Unknown       API No. 30-015-39136       Contact: Any Ruth         LOCATION OF RELEASE         Unit Letter Section       Township       Feet from the       For from the       East       Contact: Any Ruth         Contact Carbon OF Release Linknown       API No. 30-015-39136         LOCATION OF RELEASE         NATURE OF RELEASE         NATURE OF Release Linknown         Volamor of Release Linknown         Volamor of Release Linknown         Support Folge No         Not Release Semitred of Not Required         Volamor of Release Linknown       Pate and Hour of Occurrence of Release Linknown         Volamor of Release Linknown       Pate and Hour of Occurrence of Occurrence of Release Barbon of NA <td>1000 Rio Brazos Road Artec NM 87410 Off COL</td> <td>nservation Division Subart Environment Subart Environment Subart Environment St. Francis Dr.</td>	1000 Rio Brazos Road Artec NM 87410 Off COL	nservation Division Subart Environment Subart Environment Subart Environment St. Francis Dr.							
Release Notification and Corrective Action         OPERATOR       Initial Report       Final Report         Address: \$22 W. Mermed, Suite 704 Carlsbad, N.M. 88220       Contact: Any Ruh       Address: \$22 W. Mermed, Suite 704 Carlsbad, N.M. 88220       Telephone No. \$75-887-7329         Facility Name: North Indian Flats 24 Federal #14       Facility Type: Exploration and Production       API No. 30-015-39136         Surface Owner: Federal       [Mineral Owner: Unknown       API No. 30-015-39136         Loc ArtION OF RELEASE       [Dini Letter]       Section       Township       Range         24       21s       28E       Fort from the North       North       East/West Line       County         B       24       21s       28E       North       East       Construct any North       East         Source of Release       Produced Water       Volume of Release Unknown       Volume Recovered Unknown       Date and Hour of Occurrence       One Release       Internet Produced Water       The Source of Release       Suspect release during P&A activities       Date and Hour NA       Internet Produced Water       The Source of Release       Not Required       NA         Muss Immediate Notice Given?       Yes ⊠ No       Not Required       NA       Date and Hour       NA         Muss Watercourse was Impact	1000 C C Francisco C D ADAORAC								
AMB ISAN 33 (964       OPERATOR       Initial Report       Final Report         Name of Company: BOPCO, LP.       Authors, 122 (200)       Contact: Amy Ruth       Address, 122 (200)         Address, 122 (200)       Wernod, Suite (200 Carlback, NM, 88220)       Telephone No. 575-887-7329         Facility, Name: North Indian Flats 24 Federal #14       Facility Type: Exploration and Production       API No. 30-015-39136         Surface Owner: Federal       Mineral Owner: Unknown       API No. 30-015-39136       Contact: Control Net December 200         Unit Letter       Section       Township       Range       Feed from the       East/West Line       Country         B       24       215       Z&E       Ion Problem 200       East/West Line       Country         B       24       215       Range       Fed from the       Feed from the       East/West Line       Country         B       24       215       Range       Volume Of Relizes       Date and Hour of Discovery         Surface Owner:       Feed from the Release Unknown       Volume Recovered Unknown       Date and Hour of Discovery         Surface Owner:       Yes & No       Not Required       NA       Date and Hour of Discovery         Was Immediate Notice Given?       Yes & No       Not Required       NA       NA									
Name of Company: BOPCO, L.P.       JUN 1251       Contact: Any Ruth         Address: 522 W. Mermod, Suite: TOM Cartisbaok, NM. 88220       Telephone No. S75-887-7329         Facility Name: North Indian Flats 24 Federal #14       Facility Type: Exploration and Production.         Surface Owner: Federal       Mineral Owner: Unknown       API No. 30-015-39136         Unit Letter       Section       Township       Range       Fed from the       Fed from the         18       Section       Township       Range       Fed from the       Fed from the       Fed from the         24       21S       Range       Fed from the       Fed from									
Eacility Name: North Indian Flats 24 Federal #14       Facility Type: Exploration and Production         Surface Owner: Federal       Mineral Owner: Unknown       API No. 30-015-39136         Lond Letter       Section       Township       Range 7       Federal       County         B       24       21S       Range 7       Federal Mineral Owner: Unknown       Longitude104.038625°         Latitude       12.472982°       Longitude104.038625°       East/West Line       Eddy         Source of Release       Produced Water       Volume OR ReLEASE       Date and Hour of Discovery         Source of Release       Produced Water       Volume OR Release Unknown       Volume Recovered Unknown         Source of Release       Produced Water       Volume OR Release Unknown       7/17/2015 10:50 am         Was Immediate Notice Given?       Yes ⊠ No       Not Required       NA         By Whom? N/A       Date and Hour N/A       Date and Hour N/A         Was a Watercourse Reached?       Yes ⊠ No       N/A       N/A         N/A       Date and Hour N/A       N/A       N/A         Describe Cause of Problem and Remedial Action Taken.*       Release may have occurred during P&A scivities, ealiche appears to have been scraped from location surface to berm leak and soak up standing fluids.         Describe Cause of Problem and Remedial	Name of Company: BOPCO, L.P.	Contact: Amy Ruth							
Surface Owner:       Federal       Imineral Owner:       Unknown       API No. 30-015-39136         Unit Letter       Section       Township       Range       Feet from the       North/South Line       Feet from the       East/West Line       County         B       213       28E       10       North/South Line       Feet from the       East/West Line       County         B       213       28E       10       North/South Line       Feet from the       East/West Line       County         B       Loftunde       324.729822       Longitude       -104.0386252       -         NATURE OF RELEASE       Nature of Release       North/South Line       700 and Hour of Discovery       700 and Hour of Discovery         Source of Release       Produced Water       Volume of Release Unknown       Volume Recovered Unknown       700 and Hour of Discovery         Was Immediate Notice Given?       If Yes       No       No Required       NA       700 and Hour N/A         By Whorn? NA       Date and Hour       NA       NA       700 and Hour N/A       700 and Hour N/A         Was a Watercourse was Impacted, Describe Fully.*       N/A       17 YES, Volume Impacting the Watercourse.       N/A         130 spars feet of velopiad, A kentivities, caliche appears to have been scraped from location									
LOCATION OF RELEASE         Unit Letter       Section       Township       Range       Feet from the 10       North/South Line       East/West Line       County East         Latitude       32.472982°       Longitude       -104.038625°         NATURE OF RELEASE       NATURE OF RELEASE         Type of Release       Produced Water       Volume of Release Unknown       Volume Recovered Unknown         Source of Release       Support Release       Date and Hour of Discovery       Date and Hour of Discovery         Was Immediate Notice Given?       Yes       No       Not Required       NA         By Whon? N/A       Date and Hour of Occurrence (F2015, cauch date and hour unknown       NA       Pate and Hour of Discovery         Was a watercourse Reached?       Yes       No       Not Required       NA         By Whon? N/A       Date and Hour N/A       Date and Hour N/A         Was a watercourse kease Impacted, Describe Fully.*       N/A       N/A       NA         Describe Cause of Problem and Remediat Action Taken.*       Reclease may have occurred during R&A activities, caliche appears to have been scraped from location surface to berm leak and soak up standing fluids.         Describe Area Affected and Cleanup Action Taken.*       Nation of discovery, leak seems to have been estimated at less than 5 bbis. Some spread has occurred since discovery due to rain. L									
Unit Letter       Section       Township       Range       Feet from the 10       North/South Line       Ceet from the 2330       East/West Line       County East/West Line         Latitude      22472982°       Longitude      104.038625°         NATURE OF RELEASE       NATURE OF Release Unknown       Volume of Release Unknown       Date and Hour of Discovery         Source of Release       Suspect release during P&A activities       Date and Hour of Discovery       7/172015         Was Immediate Notice Given?       Yes       No Not Required       N/A         By Whom? N/A       Date and Hour       N/A         By Whom? N/A       Date and Hour       N/A         Was a meediate Action Taken.*       If YES, Volume Impacting the Watercourse.       N/A         If a Watercourse was Impacted, Describe Fully.*       N/A       N/A         Describe Cause of Problem and Remedial Action Taken.*       Release may have occurred during P&A activities, caliche appears to have been scraped from location surface to berm leak and soak up standing fluids.         Describe Cause of Problem and Remedial Action Taken.*       A ture of discovery due to rain. Leak currently affects 1,39 square feet of well pad. A Remediation Action?         A ture of discovery are negulation activities will begin 10-16-2015.       Remediation activities will begin 10-16-2015.         I hereby certify that the information given a	· · · · · · · · · · · · · · · · · · ·								
B       24       21S       28E       10       North       2230       East       Eddy         Latitude _32.472982° _ Longitude104.038625°									
NATURE OF RELEASE         Type of Release       Produced Water       Volume of Release Unknown.       Volume Recovered Unknown         Source of Release       Suspect release during P&A activities       Date and Hour of Discovery       Date and Hour of Discovery         Was Immediate Notice Given?       If YES, To Whon?       Date and Hour MARK       Date and Hour MARK         Was Immediate Notice Given?       Yes       No       Not Required       N/A         By Whon? N/A       Date and Hour MARK       Date and Hour MARK       Date and Hour MARK         Was a Watercourse Reached?       Yes       No       Not Required       N/A         Matercourse was Impacted, Describe Fully.*       N/A       N/A       N/A         Describe Cause of Problem and Remedial Action Taken.*       Release may have occurred during P&A activities, ealiche appears to have been scraped from location surface to berm teak and soak up standing fluids.         Describe Area Affected and Cleanup Action Taken.*       Release may have one stimated at less than 5 bbis. Some spread has occurred since discovery due to rain. Leak currently affects 1,350 square feet of well pad. A Remediation Action Plan was submitted to NMOCD on 10-14-2015. Plan was approved by OCD and amended by BLM on 10-15-2015. Remediation activities will begin 10-16-2015.         I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are require									
NATURE OF RELEASE         Type of Release       Produced Water       Volume of Release Unknown.       Volume Recovered Unknown         Source of Release       Suspect release during P&A activities       Date and Hour of Discovery       Date and Hour of Discovery         Was Immediate Notice Given?       If YES, To Whon?       Date and Hour MAA       Date and Hour MAA         Was Immediate Notice Given?       Yes       No       Not Required       N/A         By Whon? N/A       Date and Hour MAA       Was a Watercourse Reached?       If YES, Volume Impacting the Watercourse.       N/A         Was a Watercourse was Impacted, Describe Fully.*       N/A       N/A       N/A         Describe Cause of Problem and Remedial Action Taken.*       Release may have occurred during P&A activities, caliche appears to have been scraped from location surface to berm leak and soak up standing fluids.         Describe Area Affected and Cleanup Action Taken.*       NMOCD on 10-14-2015. Plan was approved by OCD and amended by BLM on 10-15-2015. Remediation Action Plan was submitted to NMOCD on 10-14-2015. Plan was approved by OCD and amended by BLM on 10-15-2015. Remediation given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release noifications and perform corrective actions for releases which may endanger public health (no, NMOCD backeptance of a C-141 report by the NMOCD marked as Than Report does nor televe theoperator of responsibility for compliance with any oth									
Type of Release       Produced Water       Volume of Release       Unknown       Volume Recovered       Date and Hour of Docurrence         Source of Release       Suspect release during P&A activities       Date and Hour of Occurrence       Date and Hour of Docurrence       Date and Hour N/A         By Whom?       N/A       Date and Hour N/A       Date and Hour N/A       Date and Hour N/A       Date and Hour N/A       N/A         Mas a Watercourse was Impacted, Describe Fully.*       N/A       Describe Cause of Problem and Remedial Action Taken.*       N/A       N/A       Describe Cause of Problem and Remedial Action Taken.*       N/A       N/A       Describe Area Affected and Cleamp Action Taken.*       N/A       A time of discovery, leak seems to have been estimated at less than 5 bbls. Some spread has occurred since discovery due to rain. Leak currently affects 1,305 oguue feet of well pad. A Remediation Action Plan was									
Source of Release       Suspect release during P&A activities       Date and Hour of Occurrence       Date and Hour of Discovery         Was Immediate Notice Given?       If Yes       No       Not Required       NA         By Whon?       N/A       Date and Hour of NA       NA         By Whon?       Yes       No       Not Required       NA         By Whon?       N/A       Date and Hour       N/A         By Whon?       Yes       No       Not Required       NA         By Whon?       Yes       No       No       NA         By Whon?       Yes       No       NA       NA         By Whon?       Yes       No       NA       NA         Describe Cause of Problem and Remedial Action Taken.*       Release may have occurred during P&A activities, caliche appears to have been scraped from location surface to berm leak and soak up standing fluids.         Describe Area Affected and Cleanup Action Taken.*       A time of discovery, leak seems to have been estimated at less than 5 bbls. Some spread has occurred since discovery due to rain. Leak currently affects         1,350 square feet of well pad. A Remediation Action Teller was submitted to NMOCD on 10-14-2015. Plan was approved by OCD and amended by BLM         of 10-15-2015.       Interob orentify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules									
unknown         Was Immediate Notice Given?       Yes       No       No Required       NA         By Whom? N/A       Date and Hour       N/A         By Whom? N/A       Date and Hour       N/A         Was a Watercourse Reached?       If YES, Volume Impacting the Watercourse.         N/A       N/A         Describe Cause of Problem and Remedial Action Taken.*         Release may have occurred during P&A activities, caliche appears to have been scraped from location surface to berm leak and soak up standing fluids.         Describe Area Affected and Cleanup Action Taken.*         At time of discovery, leak seems to have been estimated at less than 5 bbls. Some spread has occurred since discovery due to rain. Leak currently affects 1,30 square feet of well pad. A Remediation Action Plan was submitted to NMOCD on 10-14-2015. Plan was approved by OCD and amended by BLM on 10-15-2015. Remediation activities will begin 10-16-2015.         I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" due snot or file/to adapted public health or the environment. The acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or forthaws and/or regulations.         Signature:       MA       Approval Date: </td <td></td> <td></td>									
□       Yes       No       Not Required       N/A         By Whom? N/A       Date and Hour       N/A         Was a Watercourse Reached?       If YES, Volume Impacting the Watercourse.       N/A         If a Watercourse was Impacted, Describe Fully.*       N/A       N/A         Describe Cause of Problem and Remedial Action Taken.*       N/A         Release may have occurred during P&A activities, caliche appears to have been scraped from location surface to berm leak and soak up standing fluids.         Describe Area Affected and Cleanup Action Taken.*         At time of discovery, leak seems to have been estimated at less than 5 bbls. Some spread has occurred since discovery due to rain. Leak currently affects 1,350 square feet of well pad. A Remediation Action Plan was submitted to NMOCD on 10-14-2015. Plan was approved by OCD and amended by BLM on 10-15-2015. Remediation activities will begin 10-16-2015.         I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for release which may andanger public health or the environment. The acceptance of a C-141 report the NMOCD marked as "Final Report" does not relieve the operator of itability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. The acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or brat laws and/or regulations.<		unknown							
Was a Watercourse Reached?       If YES, Volume Impacting the Watercourse.         N/A       N/A         If a Watercourse was Impacted, Describe Fully.*       N/A         N/A       N/A         Describe Cause of Problem and Remedial Action Taken.*       Release may have occurred during P&A activities, caliche appears to have been scraped from location surface to berm leak and soak up standing fluids.         Describe Area Affected and Cleanup Action Taken.*       At time of discovery, leak seems to have been estimated at less than 5 bbls. Some spread has occurred since discovery due to rain. Leak currently affects 1,350 square feet of well pad. A Remediation Action Plan was submitted to NMOCD no 10-14-2015. Plan was approved by OCD and amended by BLM on 10-15-2015. Remediation activities will begin 10-16-2015.         I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endager public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of responsibility for compliance with any other federal, state, or brain laws and/or regulations.         Signature:       MM         Printed Name: Army Ruth       Approval Date:       MA         Title: Assistant Remediation Foreman       Approval Date:       MA       Expiration Date: NA         Conditions of Approval:       Conditions of Approval:       Expirati									
If a Watercourse was Impacted, Describe Fully.*         N/A         Describe Cause of Problem and Remedial Action Taken.*         Release may have occurred during P&A activities, caliche appears to have been scraped from location surface to berm leak and soak up standing fluids.         Describe Area Affected and Cleanup Action Taken.*         At time of discovery, leak seems to have been stimated at less than 5 bbls. Some spread has occurred since discovery due to rain. Leak currently affects 1,350 square feet of well pad. A Remediation Action Plan was submitted to NMOCD on 10-14-2015. Plan was approved by OCD and amended by BLM on 10-15-2015. Remediation activities will begin 10-16-2015.         I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or inclusion stand for regulations.         Signature:       Muther Market and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or inclusion stand for regulations. </td <td></td> <td></td>									
N/A         Describe Cause of Problem and Remedial Action Taken.*         Release may have occurred during P&A activities, caliche appears to have been scraped from location surface to berm leak and soak up standing fluids.         Describe Area Affected and Cleanup Action Taken.*         At time of discovery, leak seems to have been estimated at less than 5 bbls. Some spread has occurred since discovery due to rain. Leak currently affects 1,350 square feet of well pad. A Remediation Action Plan was submitted to NMOCD on 10-14-2015. Plan was approved by OCD and amended by BLM on 10-15-2015. Remediation activities will begin 10-16-2015.         I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations. have failed to adequately investigate and remediate contamination that porce and regulation, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local-laws and/or regulations.         Signature:       OIL CONSERVATION DIVISION         Signature:       Approved by Environmental Specialist.         Printed Pare: Amy Ruth       Approval Date: [0][20][5]       Expiration Date: [V][6]         Title: Assistant Remediation Foreman       Approval Date: [0][20][5]       Expiration Date: [V][6]									
Describe Cause of Problem and Remedial Action Taken.*         Release may have occurred during P&A activities, caliche appears to have been scraped from location surface to berm leak and soak up standing fluids.         Describe Area Affected and Cleanup Action Taken.*         At time of discovery, leak seems to have been estimated at less than 5 bbls. Some spread has occurred since discovery due to rain. Leak currently affects 1,350 square feet of well pad. A Remediation Action Plan was submitted to NMOCD on 10-14-2015. Plan was approved by OCD and amended by BLM on 10-15-2015. Remediation activities will begin 10-16-2015.         I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability for compliance with any other federal, state, or lorentHaws and/or regulations.         Signature:       OIL CONSERVATION DIVISION         Signature:       Approved by Environment. The addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or lorentHaws and/or regulations.         OIL CONSERVATION DIVISION       Signature:         Printed Name: Amy Ruth       Approved by Environment as Sectalist         Title: Assistant Remediation Foreman       Approval Date: [0] [20] [5]         E-mail Address: ACRuth@basspet.com       C									
Release may have occurred during P&A activities, caliche appears to have been scraped from location surface to bern leak and soak up standing fluids.         Describe Area Affected and Cleanup Action Taken.*         At time of discovery, leak seems to have been estimated at less than 5 bbls. Some spread has occurred since discovery due to rain. Leak currently affects         1,350 square feet of well pad. A Remediation Action Plan was submitted to NMOCD on 10-14-2015. Plan was approved by OCD and amended by BLM         on 10-15-2015. Remediation activities will begin 10-16-2015.         I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local the adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health         Signature:       OIL CONSERVATION DIVISION         Signature:       Approved by Environmental Specialistic Local true and complete to the port of responsibility for compliance with any other federal, state, or local true addition Foreman         Printed Name: Amy Ruth       Approved b	N/A								
Describe Area Affected and Cleanup Action Taken.*         At time of discovery, leak seems to have been estimated at less than 5 bbls. Some spread has occurred since discovery due to rain. Leak currently affects         1,350 square feet of well pad. A Remediation Action Plan was submitted to NMOCD on 10-14-2015. Plan was approved by OCD and amended by BLM         on 10-15-2015. Remediation activities will begin 10-16-2015.         I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. In addition, NMOCD acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local-laws and/or regulations.         Signature:       OIL CONSERVATION DIVISION         Signature:       Approved by Environment as perfaults.         Printed Name: Amy Ruth       Approval Date: 10/20/15         Title: Assistant Remediation Foreman       Approval Date: 10/20/15         E-mail Address: ACRuth@basspet.com       Conditions of Approval:	Describe Cause of Problem and Remedial Action Taken.*								
At time of discovery, leak seems to have been estimated at less than 5 bbls. Some spread has occurred since discovery due to rain. Leak currently affects 1,350 square feet of well pad. A Remediation Action Plan was submitted to NMOCD on 10-14-2015. Plan was approved by OCD and amended by BLM on 10-15-2015. Remediation activities will begin 10-16-2015.  I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations. have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local-laws and/or regulations.  Signature: Printed Name: Amy Ruth Title: Assistant Remediation Foreman E-mail Address: ACRuth@basspet.com Conditions of Approval: Remediation per O.C.D. Rules & Guidefittesed	Release may have occurred during P&A activities, caliche appears to	b have been scraped from location surface to berm leak and soak up standing fluids.							
At time of discovery, leak seems to have been estimated at less than 5 bbls. Some spread has occurred since discovery due to rain. Leak currently affects 1,350 square feet of well pad. A Remediation Action Plan was submitted to NMOCD on 10-14-2015. Plan was approved by OCD and amended by BLM on 10-15-2015. Remediation activities will begin 10-16-2015.  I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations. have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local-laws and/or regulations.  Signature: Printed Name: Amy Ruth Title: Assistant Remediation Foreman E-mail Address: ACRuth@basspet.com Conditions of Approval: Remediation per O.C.D. Rules & Guidefittesed									
1,350 square feet of well pad. A Remediation Action Plan was submitted to NMOCD on 10-14-2015. Plan was approved by OCD and amended by BLM on 10-15-2015. Remediation activities will begin 10-16-2015.         1 hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local-laws and/or regulations.         Signature:       OIL CONSERVATION DIVISION         Signature:       Approved by Environmental Specialist         Title: Assistant Remediation Foreman       Approval Date:       [0] 10/15       Expiration Date: NA         E-mail Address: ACRuth@basspet.com       Conditions of Approval:       Conditions of Approval:       Conditions of Approval:	At time of discovery, leak seems to have been estimated at less than :	5 bbls. Some spread has occurred since discovery due to rain. Leak currently affects							
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local-laws and/or regulations.         Signature:       OIL CONSERVATION DIVISION         Printed Name: Amy Ruth       Approved by Environmental Specialistic Expiration Date: NA         Title: Assistant Remediation Foreman       Approval Date: 10/20/15       Expiration Date: NA         E-mail Address: ACRuth@basspet.com       Conditions of Approval: Remediation per O.C.D. Rules & Guidefitteed I       I	1,350 square feet of well pad. A Remediation Action Plan was subm	nitted to NMOCD on 10-14-2015. Plan was approved by OCD and amended by BLM							
regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations-have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or perat-laws and/or regulations.  Signature:  Printed Name: Amy Ruth Title: Assistant Remediation Foreman E-mail Address: ACRuth@basspet.com Conditions of Approval: Remediation per O.C.D. Rules & Guidefilmesed	on to 15 2010. Reinchauon activities will begin 10-10-2015.								
public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local-laws and/or regulations.         Signature:       OIL CONSERVATION DIVISION         Printed Name: Amy Ruth       Signed By         Title: Assistant Remediation Foreman       Approval Date:         E-mail Address: ACRuth@basspet.com       Conditions of Approval:         Remediation per O.C.D. Rules & Guidefiltered       Image: Conditions of Approval:	I hereby certify that the information given above is true and complete	e to the best of my knowledge and understand that pursuant to NMOCD rules and							
should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local-laws and/or regulations. Signature: Printed Name: Amy Ruth Title: Assistant Remediation Foreman E-mail Address: ACRuth@basspet.com Conditions of Approval: Remediation per O.C.D. Rules & Guidentifies	regulations all operators are required to report and/or file certain rele-	ase notifications and perform corrective actions for releases which may endanger by the NMOCD marked as "Final Report" does not relieve the operator of liability							
federal, state, or local-laws and/or regulations.       OIL CONSERVATION DIVISION         Signature:       Signed By         Printed Name: Amy Ruth       Approved by Environmental Specialist         Title: Assistant Remediation Foreman       Approval Date:         E-mail Address: ACRuth@basspet.com       Conditions of Approval:         Remediation per O.C.D. Rules & Guidentifies       Image: Condition per O.C.D. Rules & Guidentifies	should their operations have failed to adequately investigate and rem	rediate contamination that pose a threat to ground water, surface water, human health							
Signature:       Signed By       Signed By       Signed By         Printed Name: Amy Ruth       Approved by Environmental Specialist.       Science         Title: Assistant Remediation Foreman       Approval Date:       10/20/15       Expiration Date:       NA         E-mail Address: ACRuth@basspet.com       Conditions of Approval:       Remediation per O.C.D. Rules & Guidentifies       Image: Condition per O.C.D. Rules & Guidentifies       Image: Condition per O.C.D. Rules & Guidentifies		port does not relieve the operator of responsibility for compliance with any other							
Printed Name: Amy Ruth       Approved by Environmental Specialist: A Drammental S		OIL CONSERVATION DIVISION							
Title: Assistant Remediation Foreman       Approval Date: 10/20/15       Expiration Date: NA         E-mail Address: ACRuth@basspet.com       Conditions of Approval:         Remediation per O.C.D. Rules & Guidefilteed       I	Signature: Nun Aul	Simol P Still							
E-mail Address: ACRuth@basspet.com Conditions of Approval: Remediation per O.C.D. Rules & Guidenties	Printed Name: Amy Ruth	Approved by Environmental Specialist // Drmmuse							
Remediation per O.C.D. Rules & Guidelines <sup>cu</sup>	Title: Assistant Remediation Foreman	Approval Date: 10/20115 Expiration Date: NA							
Remediation per O.C.D. Rules & Guidelines <sup>cu</sup>	E-mail Address; ACRuth@basspet.com	Conditions of Approval:							
1 Plance 10/10/4010 Plance 402-001/03/1 ISHRMIT REMEDIATION PHOPOSAL NO		Remediation per O.C.D. Rules & Guidelines a L							
Attach Additional Sheets If Necessary LATER THAN:									

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 <u>Revised August 24, 2018</u> Submit to appropriate OCD District office

)

Page 13 of 60

Incident ID	2RP-3341
District RP	
Facility ID	
Application ID	

### **Release Notification**

### **Responsible Party**

Responsible Party XTO Energy	OGRID 5380			
Contact Name Kyle Littrell	Contact Telephone 432-221-7331			
Contact email Kyle_Littrell@xtoenergy.com	Incident # (assigned by OCD) 2RP-3341			
Contact mailing address 522 W. Mermod, Carlsbad, NM 88220				

### **Location of Release Source**

Latitude <u>32.472982</u>

*NAD 83 in decimal degrees to 5 decimal places* 

Site Name North Indian Flats 24 Federal #14	Site Type: Exploration and Production
Date Release Discovered 07/17/2015	API# (if applicable) 30-015-39136

Unit Letter	Section	Township	Range	County
В	24	21S	28E	EDDY

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

### Nature and Volume of Release

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

Crude Oil	Volume Released (bbls) 0.0	Volume Recovered (bbls) 0.0			
Produced Water	Volume Released (bbls) < 5 bbls	Volume Recovered (bbls) 0.0			
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No			
Condensate	Volume Released (bbls)	Volume Recovered (bbls)			
🗌 Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)			
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)			
Cause of Release: Release may have occurred in June 2015 during P&A activities. At time of discovery, leak was estimated at less					
Cause of Release: Release					

Page 2

### Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

<b>TT</b> 7 .1						
Was this a major	If YES, for what reason(s) does the responsible party consider this a major release?					
release as defined by 19.15.29.7(A) NMAC?	Release dvolume was less than 25 bbls.					
🗌 Yes 🔀 No						
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?						

### **Initial Response**

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

 $\square$  The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

N/A

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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

Title: <u>SH&amp;E Supervisor</u>
Date: <u>4/30/2020</u>
Telephone: <u>432-221-7331</u>
Date:

Received by OCD: 5/11/2020 9:24:16 AM Form C-141 State of New Mexico

Page 3

Oil Conservation Division

	Page 15 of 60
Incident ID	2RP-3341
District RP	
Facility ID	
Application ID	

### Site Assessment/Characterization

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

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

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

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within <sup>1</sup>/<sub>2</sub>-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.

Received by OCD: 5/11/2	020 9:24:16 AM State of New Mexico			Page 16 of 6
F01111 C-141			Incident ID	2RP-3341
Page 4	Oil Conservation Division	n	District RP	
			Facility ID	
			Application ID	
regulations all operators ar public health or the environ failed to adequately investi addition, OCD acceptance and/or regulations. Printed Name:	Tormation given above is true and complete to t e required to report and/or file certain release mement. The acceptance of a C-141 report by the gate and remediate contamination that pose a t of a C-141 report does not relieve the operator Littrell	otifications and perfor e OCD does not reliev hreat to groundwater, of responsibility for c	m corrective actions for rele te the operator of liability shi surface water, human health ompliance with any other fea Supervisor	ases which may endanger ould their operations have or the environment. In
Signature:		Date: <u>4-30-2</u>	.020	
email: <u>Kyle_Littrell@</u>	xtoenergy.com	Telephone:(	(432) 221-7331	
OCD Only Received by: Ram	ona Marcus	_ Date:	05/11/2020	

Page 6

Oil Conservation Division

Incident ID	2RP-3341
District RP	
Facility ID	
Application ID	

Page 17 of 60

### 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.

<u>Closure Report Attachment Checklist</u>: 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: Kyle Littrell	Title: SH&E Supervisor
Signature:	Date: <u>4-30-2020</u>
email:Kyle_Littrell@xtoenergy.com	Telephone: (432) 221-7331
OCD Only	
Received by: Ramona Marcus	Date: 05/11/2020
	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: Jocelyn Harimon	Date: 09/22/2022
Printed Name: Jocelyn Harimon	Title: Environmental Specialist

Received by OCD: 5/11/2020 9:24:16 AM

. Released to Imaging: 9/22/2022 12:01:33 PM

North Indian Flats 24 Federal #14 Final Reclamation Unit Letter B, Sec 24, T21S, R28E API 30-015-39136



Green Areas: Previous interim reclamations

Yellow areas: Areas of visual chloride impact

Red dots: Road samples

North Indian Flats 24 Federal #14 Final Reclamation Unit Letter B, Sec 24, T21S, R28E API 30-015-39136



Green Areas: Previous interim reclamations

Yellow areas: Areas of visual chloride impact

### Chloride Results on Former Well Pad

	_	9-24-201	Pad Samples 9-24-2015 through 9-29-2015		amples 3-2015	
Sample Position	Depth	Cl- Field	Cl- Lab	Cl- Field	Cl- Lab	Note:
#1 - S	Surface		80			
#2 - S	Surface		32			
#3 - S	Surface		<16			
#4 - S	Surface		<16			
#5 - S	Surface	<116	32			
#6 - S	Surface	<116	<16			
#7 - S	Surface		<16			
#8 - S	Surface		32			
#9 - S	Surface		<16			
#10 - S	Surface		<16			
#11 - S	Surface		32			
#12 - S	Surface		<16			
#13	Surface	984				
	1'	1136		<116		Propose to remove 1' from
	2'			1056		area of #14 sample point.
	3'			504	submitting	Excavate rest of entire area of
	4'			188		#13 and #14 to 5 feet and
#14	Surface	16,656				blend. Will need to bury 2
	1'	688		240		large piles of boulders. Can
	2'			2220		bury here and at #16.
	3'			240	submitting	bury here and at #10.
	5'			360		
#15	Surface	1516				
	1'	164	128			Propose to remove 1' from
	2'			328		area.
	3'			164		
#16	Surface	12,360				
	1'			2624		Propose to remove 3' from
	2'			1760		area and bury boulders.
	3'			2936		
	6'			360	submitting	
#17 - S	Surface	<116	48			
#18 - S	Surface		208			
#19 - S	Surface		<16			
Pile Comp		392	432			

Will submit remaining samples to Cardinal Labs on 10-14-2015

**Photo Documentation** North Indian Flats 24 Federal #14 Final Reclamation Unit Letter B, Section 24, T21S, R28E



Area of impact near former well, facing northeast September 24, 2015



Boulder pile (needs burial) at center left photo, road leading away from former well pad, facing west/southwest September 24, 2015



Interim reclaim on left, NW caliche pile on upper center, and area of chloride impact located west of former well on center right side of photo, facing north/northwest September 24, 2015



Two-track at SE corner of former well pad, boulder pile (needs burial) at center right, facing east September 30, 2015



Area of chloride impact located west of former well, sampling trenches #13 and #14, facing south October 13, 2015



Area of chloride impact located surrounding former well, sampling trench #16, facing north/northeast October 13, 2015



Area of chloride impact surrounding former well, sampling trench #15, facing southeast October 13, 2015 Received by OCD: 5/11/2020 9:24:16 AM





October 01, 2015

AMY RUTH

**Bass Enterprises** 

522 W. Mermod #709

Carlsbad, NM 88220

RE: NIF 24 FEDERAL #14

Enclosed are the results of analyses for samples received by the laboratory on 09/30/15 8:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene Lab Director/Quality Manager



Bass Enterprises AMY RUTH 522 W. Mermod #709 Carlsbad NM, 88220 Fax To: (505) 887-7473

Received:	09/30/2015	Sampling Date:	09/24/2015
Reported:	10/01/2015	Sampling Type:	Soil
Project Name:	NIF 24 FEDERAL #14	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

### Sample ID: #1-5 (H502584-01)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/30/2015	ND	416	104	400	0.00	

### Sample ID: #15-1' (H502584-02)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	09/30/2015	ND	416	104	400	0.00	

### Sample ID: #17-S (H502584-03)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/30/2015	ND	416	104	400	0.00	

### Sample ID: #2-S (H502584-04)

Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/30/2015	ND	416	104	400	0.00	

### **Cardinal Laboratories**

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the sample identified above. This report shall not be reproduced except in full with written approval of Cardinal toratories.



Celey D. Keene, Lab Director/Quality Manager



Bass Enterprises AMY RUTH 522 W. Mermod #709 Carlsbad NM, 88220 Fax To: (505) 887-7473

Received:	09/30/2015	Sampling Date:	09/25/2015
Reported:	10/01/2015	Sampling Type:	Soil
Project Name:	NIF 24 FEDERAL #14	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

### Sample ID: #3-S (H502584-05)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/30/2015	ND	416	104	400	0.00	

### Sample ID: #4-S (H502584-06)

Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/30/2015	ND	416	104	400	0.00	

### Sample ID: PILE COMP (H502584-07)

Chloride, SM4500Cl-B	le, SM4500Cl-B mg/kg			Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	09/30/2015	ND	416	104	400	0.00	

### Sample ID: #5-S (H502584-08)

Chloride, SM4500Cl-B	-B mg/kg			Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/30/2015	ND	416	104	400	0.00	

### Sample ID: #6-S (H502584-09)

Chloride, SM4500Cl-B	mg,	′kg	Analyze	Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/30/2015	ND	416	104	400	0.00	

### Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whetsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

af algebacker.

Celey D. Keene, Lab Director/Quality Manager



Bass Enterprises AMY RUTH 522 W. Mermod #709 Carlsbad NM, 88220 Fax To: (505) 887-7473

Received:	09/30/2015	Sampling Date:	09/29/2015
Reported:	10/01/2015	Sampling Type:	Soil
Project Name:	NIF 24 FEDERAL #14	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

### Sample ID: #7-S (H502584-10)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/30/2015	ND	416	104	400	0.00	

### Sample ID: #8-S (H502584-11)

Chloride, SM4500Cl-B	Chloride, SM4500Cl-B mg/kg				Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/30/2015	ND	416	104	400	0.00	

### Sample ID: #9-S (H502584-12)

Chloride, SM4500Cl-B	mg/kg			Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/30/2015	ND	416	104	400	0.00	

### Sample ID: #10-S (H502584-13)

Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/30/2015	ND	416	104	400	0.00	

### Sample ID: #11-S (H502584-14)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/30/2015	ND	416	104	400	0.00	

### **Cardinal Laboratories**

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whetsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



Bass Enterprises AMY RUTH 522 W. Mermod #709 Carlsbad NM, 88220 Fax To: (505) 887-7473

Received:	09/30/2015	Sampling Date:	09/29/2015
Reported:	10/01/2015	Sampling Type:	Soil
Project Name:	NIF 24 FEDERAL #14	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

### Sample ID: #12-S (H502584-15)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/30/2015	ND	416	104	400	0.00	

### Sample ID: #18-S (H502584-16)

Chloride, SM4500Cl-B mg/kg		Analyze	d By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	09/30/2015	ND	416	104	400	0.00	

### Sample ID: #19-S (H502584-17)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/30/2015	ND	416	104	400	0.00	

### **Cardinal Laboratories**

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the sample identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



### **Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

### **Cardinal Laboratories**

### \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims based upon any of the above stated reasons or otherwise. Results relate only to the sample identified above. This report shall not be reproduced except in full with written approval of Cardinal Loratories.



Celey D. Keene, Lab Director/Quality Manager

### Received by OCD: 5/11/2020 9:24:16 AM

Project Manager:		
ojoot menegeri		
Address.	Company: DUV.U	
State:	zip: Attn: HM24 KUEN	
City · Fax #:	Address:	
	BOPCO city:	
NIE 74 Feideral	#14 State: Zip:	
VIT CT ICC	Phone #:	
Project Location:		
Sampler Name: IT WY IY IN LETHI	ESERV. SAMPLING	
	ERS /ATER TER E:	
Sample I.D.	LUDGE THER : CID/BASE DE / COOL THER : DATE	
1 + 1 - C	# G & G O S O A C O	
# 57		
S- 1 + 2		
2- 14 <del>2</del>		
N-5# 0		
7 File Comp	V 29.29.15	
2-2# D	G1 V 929.15 V	
D # 7 - S	10 # 7 - S PEASE NOTE: Liability and Damages. Caudinal's liability and client's exclusive remedy for any claim atising whether based in contract or traf, shall be limited to the amount paid by the client for the PEASE NOTE: Liability and Damages. Caudinal's liability and client's exclusive remedy for any claim atising whether based in contract or traf, shall be limited to the amount paid by the client for the PEASE NOTE: Liability and Damages. Caudinal's liability and client's exclusive remedy for any claim atising whether based in contract or traf, shall be limited to the amount paid by the client for the applicable	de .
analyses. At claims including once is in registry on the contemportal damages, including v service. In no event shall Cardinal be liable for includential or contemportation of services hereunder by Ca atfiliatee or successors arising out of or related to the performance of services hereunder by Ca atfiliatee.	Including without limitation, business interruptions, loss of user, or users or yourse entropy of the above stated response or otherwise, inder by Cardinal, regardless of whether such claim is based upon any of the above stated response or otherwise. Received By:	Ves No Add'l Phone #:
Relinquished By:		
Time:		ITTS I O
Relinduished By 1 A Date: 0-15	And Hender	KUSI.
Delivered By: (Circle One)	Cool Intact CHECKEDBY:	
Sampler - UPS - Bus - Other: 21,	< 0	

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 33 of 60

aboratories

Page 7 of 8

## **CARDINAL** Laboratories

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

		ANALION NEADED.
	BILL IC	
Project Manager:	RAPAD	
Address:	Company	
City: State:	Zip: Autore:	
Phone #: Fax #:	Address	
Project #: Project Owner:	KOPCO City:	
Project Name: NIF Z4 Federal	<i>井 / </i>	
on:	Phone #:	
Project Lucation: Disa to Rith	1	
Sampler Name: MMU IL ULLI	MATRIX PRESERV. SAMPLING	
FOR LAB USE ONLY		
Lab I.D. Sample I.D.	R : BASE: COOL	
4507584	# COI GROU WAS' SOIL OIL SLUE OTH ACIE	
5-24 I	G 1 V 1	
び-014 C な-54 2		
52-21 # C		
1 4 10 1 4 10	2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2	
	a share benefit of tort, shall be inited to the amount paid by the client for the	- client for the
PLEASE NOTE: Liability and Damages. Candinat's lability and clerif's exclusive terms/ for any claim assing werver survey and in inclusived by Candinal within and in writing and received by Candinal within analysis. All claims including those for negligence and any other cause writisower shall be demond waived unless made in writing and received by Candinal within analysis. It is an analysis of the second waived within the second waived wai	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim straing venues used on an united and received by Cardinal within 30 days after completion of the application of the appli	lation of the applicative subsidiaries.
service. In no event shall Cardinal be liable for incidential or concequence unarranded antifiate or successors arising out of or related to the performance of services hereunded Deline unite (here the deline) Deline un	by Cardinal, regardless of whether such claim is bared upon any of the acces stated reasons of Phoo Received By: Fax	Phone Result:  Yes No Add'l Phone #: Fax Result: Yes No Add'l Fax #:
Relinquished By: Time:	0	
Relinquished By	15 Reference By:	
Nume Line One DE: 4	Sample Condition CHECKED BY:	
- Bus - Other:	21.20 Pros Ma	

Ę ŝ

-

---- anont workal channes Dlases far written chathing to 15751 909.0098

. Released to Imaging: 9/22/2022 12:01:33 PM

40 2

Page 34 of 60



October 05, 2015

AMY RUTH

**Bass Enterprises** 

522 W. Mermod #709

Carlsbad, NM 88220

RE: NIF 24 FEDERAL #14

Enclosed are the results of analyses for samples received by the laboratory on 10/02/15 16:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene Lab Director/Quality Manager



Bass Enterprises AMY RUTH 522 W. Mermod #709 Carlsbad NM, 88220 Fax To: (505) 887-7473

Received:	10/02/2015	Sampling Date:	09/30/2015
Reported:	10/05/2015	Sampling Type:	Soil
Project Name:	NIF 24 FEDERAL #14	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

### Sample ID: #1 - R (H502620-01)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/05/2015	ND	416	104	400	0.00	

### Sample ID: #2 - R (H502620-02)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/05/2015	ND	416	104	400	0.00	

### Sample ID: #3 - R (H502620-03)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/05/2015	ND	416	104	400	0.00	

### Sample ID: #4 - R (H502620-04)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/05/2015	ND	416	104	400	0.00	

### **Cardinal Laboratories**

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whetsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims beaded upon any of the above stated reasons or otherwise. Results relate only to the sample identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager


Bass Enterprises AMY RUTH 522 W. Mermod #709 Carlsbad NM, 88220 Fax To: (505) 887-7473

Received:	10/02/2015	Sampling Date:	09/30/2015
Reported:	10/05/2015	Sampling Type:	Soil
Project Name:	NIF 24 FEDERAL #14	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

### Sample ID: #5 - R (H502620-05)

Chloride, SM4500Cl-B	mg	/kg	Analyze						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/05/2015	ND	416	104	400	0.00	

### Sample ID: #6 - R (H502620-06)

Chloride, SM4500Cl-B	Analyze	d By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/05/2015	ND	416	104	400	0.00	

### Sample ID: #7 - R (H502620-07)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/05/2015	ND	416	104	400	0.00	

### Sample ID: #8 - R (H502620-08)

Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/05/2015	ND	416	104	400	0.00	

### Sample ID: #9 - R (H502620-09)

Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/05/2015	ND	416	104	400	0.00	

### Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any daim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based blows stated reasons or otherwise. Results relate only to the sample identified above. This report shall not be reproduced except in full with writen approval of Cardinal Liboratories.

af algebacker.

Celey D. Keene, Lab Director/Quality Manager



Bass Enterprises AMY RUTH 522 W. Mermod #709 Carlsbad NM, 88220 Fax To: (505) 887-7473

Received:	10/02/2015	Sampling Date:	09/30/2015
Reported:	10/05/2015	Sampling Type:	Soil
Project Name:	NIF 24 FEDERAL #14	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

### Sample ID: #10 - R (H502620-10)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/05/2015	ND	416	104	400	0.00	

### Sample ID: #11 - R (H502620-11)

Chloride, SM4500Cl-B	Analyze	d By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/05/2015	ND	416	104	400	0.00	

### Sample ID: #12 - R (H502620-12)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/05/2015	ND	400	100	400	3.92	

### Sample ID: #13 - R (H502620-13)

Chloride, SM4500Cl-B	mg/kg			Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/05/2015	ND	400	100	400	3.92	

### Sample ID: #14 - R (H502620-14)

Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/05/2015	ND	400	100	400	3.92	

### **Cardinal Laboratories**

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by Cardinal with a subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the sample identified above. This report shall not be reproduced except in full with written approval of Cardinal Liabove stated reasons or otherwise.

af algebacker.

Celey D. Keene, Lab Director/Quality Manager



Bass Enterprises AMY RUTH 522 W. Mermod #709 Carlsbad NM, 88220 Fax To: (505) 887-7473

Received:	10/02/2015	Sampling Date:	09/30/2015
Reported:	10/05/2015	Sampling Type:	Soil
Project Name:	NIF 24 FEDERAL #14	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

### Sample ID: #15 - R (H502620-15)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/05/2015	ND	400	100	400	3.92	

### Sample ID: #16 - R (H502620-16)

Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/05/2015	ND	400	100	400	3.92	

### Sample ID: #17 - R (H502620-17)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/05/2015	ND	400	100	400	3.92	

### Sample ID: #18 - R (H502620-18)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/05/2015	ND	400	100	400	3.92	

### Sample ID: #19 - R (H502620-19)

Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/05/2015	ND	400	100	400	3.92	

### Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by Cardinal with a subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the sample identified above. This report shall not be reproduced except in full with written approval of Cardinal Liabove stated reasons or otherwise.

af algebacker.

Celey D. Keene, Lab Director/Quality Manager



Bass Enterprises AMY RUTH 522 W. Mermod #709 Carlsbad NM, 88220 Fax To: (505) 887-7473

Received:	10/02/2015	Sampling Date:	10/02/2015
Reported:	10/05/2015	Sampling Type:	Soil
Project Name:	NIF 24 FEDERAL #14	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

### Sample ID: #20 - R (H502620-20)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/05/2015	ND	400	100	400	3.92	

### Sample ID: #21 - R (H502620-21)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/05/2015	ND	400	100	400	3.92	

### Sample ID: #22 - R (H502620-22)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/05/2015	ND	400	100	400	3.92	

### **Cardinal Laboratories**

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whetsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims beaded upon any of the above stated reasons or otherwise. Results relate only to the sample identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



### **Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

### **Cardinal Laboratories**

### \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims based upon any of the above stated reasons or otherwise. Results relate only to the sample identified above. This report shall not be reproduced except in full with written approval of Cardinal control.



Celey D. Keene, Lab Director/Quality Manager

### Laboratories 101 East Marland, Hobbs, NM 88240

Page 42 of 60

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

City: Project Manager: Company Name: Project Name: Project #: Phone #: Sampler Name: Project Location: Address H50262C **Relinquished By Relinquished By:** FOR LAB USE ONLY nalyses. All claims including those for negligence and any other Lab I.D. EASE NOTE: rice. In no event shall Cardinal be liable unee 10 - (NN 0 R (575) 393-2326 FAX (575) 393-2476 NIF BOPCO # tmu 1-Sample I.D. ١ đ 24 L.P. Federal #14 C-durine Project Owner: Fax #: State: Date: Date Time: 1245 N including without limitation, bus shall be Zip: (G)RAB OR (C)OMP Received By: Received By ğ # CONTAINERS paver GROUNDWATER unless r WASTEWATER made in writing and received by Cardinal within 30 days after MATRIX SOIL 1 < OIL SLUDGE ns, loss of use, or loss of profits incurred by client, its sub P.O. #: State: City: Attn: Hnry Company: Phone #: OTHER Fax #: Address: PRESERV ACID/BASE ICE / COOL CHECKED BY: BILL TO OTHER Bopa Zip 9-30-15 DATE SAMPLING Fax Result: REMARKS: Phone Result: completion of the applicable an ane TIME acth . Chloride L < < 2 □ Yes KU2H!! I No ANALYSIS Add'l Phone #: Add'l Fax #: REQUEST

### Received by OCD: 5/11/2020 9:24:16 AM

Sampler - UPS

- Bus - Other: (Circle One

Cardinal rannot accent varhal channee Dlaace fav written channee to user ad 2000

28.22

Cool Intact Yes Yes No No No Sample Condition

Delivered By:

stal 2

		No ON	CU.CC MNO	6	o - Dus - Oulei.	odilipier our o
	I	Ves Unitials	Cool Inta			and the
	3Y:	ndition CHECKED	Sample Condition	4. Jop	y: (Circle One)	Delivered By:
1.H5Y	A G	Almos	Necessen by	Time: 210	A A	Keinquisned by
	2			Date:		
No Add'I Fax #:	Fax Result: Ves		income of a	Time-	by.	Nellilquistien by.
No Add'I Phone #:		rer such claim is based upon any of the above stated	Received Rv:	formance of services hersunder by C	ising out of or related to the per	atheates or successors a
	3 days after completion of the applicable curred by client, its subsidiaries.	ng and received by Cerdinal within 3 ions, loss of use, or loss of profits in	88	any other cause whatsoever shall be I or consequental damages, includin	ding those for negligence and a Cardinal be liable for incidential	analyses. All claims inclusion inclusin inclusion inclusion inclusion inclusion inclus
	mount paid by the client for the	ng whether based in contract or furt, shall be similed to the a	any claim arising whether based in co	Cardinal's liability and client's exclusive remedy for any claim	and Damages. Cardinal's liabile	PLEASE NOTE: Liability and Damages
					1 10 4	
	ء آ ر				# 10 2	51
	10-2-15	10	~		# 10-2	8
	(	×	<		# 17- 2	CI
	×				# 16-R	16
	<				# 15-R	2
	2				ソーセー#	14
	<				# 12-17	13
	<		- - -		#12-12	12 #
	× 51-0	430-	5		HI-K	11
	DATE TIME		G G W		F. O	TION OCH
	TIME	E / C	CON ROU AST OIL			ilennino
	ht	R : BASE	ITAIN	Sample I.D.	Samp	Lab I.D.
	lor		R (C)C NERS VATE TER	,	)	
	10				/	
	SAMPLING	PRESERV.	MATRIX	COL	- TUTLE ILA	FOR LAB USE ONLY
		Fax #:		<u>,</u>	Dim - P	Campler Name
		Phone #:			'n	Project I oration
		State: Zip:	4/4	Federal	NIF 24	Project Name:
		City:		Project Owner:		Project #:
		Address:		Fax #:		Phone #:
	Kuth	Attn: Hmur	Zip:	State:		City:
	, oto	company: BCH				Address:
		P.O. #:		7	ň	Project Manager:
ANALYSIS REQUEST	10	BILL TO		L.P.	= BUDVU	Company Name:
			03	FAX (575) 393-2476	(575) 393-2326	
			40	101 East Marland, Hobbs, NM 88240	101 East Marlar	

### Page 9 of 10

705

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 43 of 60

RDIN

D

PLASE NOTE: Liability and Damages. Cardinal's liability and clearing analyses. All claims including those for negligence and any other cause whatsoever shall be doe service. In no went shall contrast to register for incidential or consequential damages. Including we atflistists or successors axising out of or related to the performance of services herourder by Car Relinquished By: Date: Time: Date: Time: Delivered-By: (Circle One) Time: 26 Sampler - LIPS - Bus - Other: 26	Interst Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 Company Name: BDPCO L.P. Project Manager: Address: City: BDPCO L.P. Phone #: Fax #: Project Location: Sampler Name: NIF Z4 Federal Project Location: Sampler Name: Avry Ruth For Use USE ONLY For USE ONL
y claim mating whether based in contract or tort, shall be initial of the amount paid by the clerif to the considered unless made in distribution of the amount paid by the clerif to the considered unless made in the transmission beam of the amount paid by the clerif to the considered by Candinal within 30 days after completion of the applicable without limitation, business interruptions, loss of use, or loss of profits incurred by clerif, its subolidaries, writhan result claim is based upon any of the above stated reasons or clements.   Received By:: Phone Result:   Sample Condition CHERKED BY:   No No   No No	# CONTAINERS   GROUNDWATER   WASTEWATER   WASTEWATER   OIL   SUUDGE   OTHER:   ACID/BASE:   ICE / COOL   OTHER:   DATE:   DATE:   DATE:   DATE:   DATE:   DATE:   DATE:   DATE:   DATE:
Yes I No Add'I Phone #: Yes No Add'I Fax #:	CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 10 of 10

Page 44 of 60



October 15, 2015

AMY RUTH

Bass Enterprises

522 W. Mermod #709

Carlsbad, NM 88220

RE: NORTH INDIAN FLATS 24 FED 14

Enclosed are the results of analyses for samples received by the laboratory on 10/14/15 16:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



Bass Enterprises AMY RUTH 522 W. Mermod #709 Carlsbad NM, 88220 Fax To: (505) 887-7473

Received:	10/14/2015	Sampling Date:	10/13/2015
Reported:	10/15/2015	Sampling Type:	Soil
Project Name:	NORTH INDIAN FLATS 24 FED 14	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

### Sample ID: #13-3' (H502693-01)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	10/15/2015	ND	400	100	400	3.92	

### Sample ID: #14-3' (H502693-02)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	10/15/2015	ND	400	100	400	3.92	

### Sample ID: #16-6' (H502693-03)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	10/15/2015	ND	400	100	400	3.92	

### Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the sample identified above. This report shall not be reproduced except in full with written approval of Cardinal Loratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



### **Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

### Cardinal Laboratories

### \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any daim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatscever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including those of use, or loss of profits incurred by client, its subsidiaries, affiliates or successor arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Released to Imaging: 9/22/2022 12:01:33 PM

Page 48 of 60



October 21, 2015

AMY RUTH

Bass Enterprises

522 W. Mermod #709

Carlsbad, NM 88220

RE: NORTH INDIAN FLATS 24 FED 14

Enclosed are the results of analyses for samples received by the laboratory on 10/20/15 16:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



Bass Enterprises AMY RUTH 522 W. Mermod #709 Carlsbad NM, 88220 Fax To: (505) 887-7473

Received:	10/20/2015	Sampling Date:	10/16/2015
Reported:	10/21/2015	Sampling Type:	Soil
Project Name:	NORTH INDIAN FLATS 24 FED 14	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

### Sample ID: WIA W WALL 2 (H502738-01)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	10/21/2015	ND	416	104	400	0.00	

### Sample ID: WIA S WALL (H502738-02)

Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	10/21/2015	ND	416	104	400	0.00	

### Sample ID: WIA E WALL 3 (H502738-03)

Chloride, SM4500Cl-B mg/kg			Analyze	Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	10/21/2015	ND	416	104	400	0.00	

### Sample ID: EIA E WALL (H502738-04)

Chloride, SM4500Cl-B mg/kg		Analyze	zed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	10/21/2015	ND	416	104	400	0.00	

### Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the sample identified above. This report shall not be reproduced except in full with written approval of Cardinal toratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Bass Enterprises AMY RUTH 522 W. Mermod #709 Carlsbad NM, 88220 Fax To: (505) 887-7473

Received:	10/20/2015	Sampling Date:	10/19/2015
Reported:	10/21/2015	Sampling Type:	Soil
Project Name:	NORTH INDIAN FLATS 24 FED 14	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

### Sample ID: EIA N WALL 2 (H502738-05)

Chloride, SM4500Cl-B mg/kg			Analyze	nalyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/21/2015	ND	416	104	400	0.00	

### Sample ID: EIA NE WALL 2 (H502738-06)

Chloride, SM4500Cl-B mg/kg			Analyze	d By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	10/21/2015	ND	416	104	400	0.00		

### Sample ID: EIA W WALL 5 (H502738-07)

Chloride, SM4500Cl-B mg/kg			Analyze	Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	10/21/2015	ND	416	104	400	0.00	

### Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the sample identified above. This report shall not be reproduced except in full with written approval of Cardinal Loratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



### **Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

### Cardinal Laboratories

### \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any daim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatscever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including those of use, or loss of profits incurred by client, its subsidiaries, affiliates or successor arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

### Page 53 of 60 **CARDINAL** Laboratories

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Image: Structure



November 04, 2015

AMY RUTH

**Bass Enterprises** 

522 W. Mermod #709

Carlsbad, NM 88220

RE: NIF 24 FEDERAL #14

Enclosed are the results of analyses for samples received by the laboratory on 10/29/15 15:36.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



Bass Enterprises AMY RUTH 522 W. Mermod #709 Carlsbad NM, 88220 Fax To: (505) 887-7473

Received:	10/29/2015	Sampling Date:	10/21/2015
Reported:	11/04/2015	Sampling Type:	Soil
Project Name:	NIF 24 FEDERAL #14	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

### Sample ID: WIA N WALL 2 (H502844-01)

Chloride, SM4500Cl-B mg/kg			Analyze	Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	11/03/2015	ND	384	96.0	400	4.08	

### Sample ID: EIA SW WALL (H502844-02)

Chloride, SM4500Cl-B	M4500Cl-B mg/kg			Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/03/2015	ND	384	96.0	400	4.08	

### Sample ID: EIA S WALL (H502844-03)

Chloride, SM4500Cl-B	le, SM4500Cl-B mg/kg			Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/03/2015	ND	400	100	400	0.00	

### Sample ID: EIA SE WALL (H502844-04)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/03/2015	ND	400	100	400	0.00	

### Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the sample identified above. This report shall not be reproduced except in full with written approval of Cardinal toratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



### **Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

### Cardinal Laboratories

### \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any daim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatscever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including those of use, or loss of profits incurred by client, its subsidiaries, affiliates or successor arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

and and a conservation of a related to the performance of services hersunder to Cadrial, regardless of whether such caura is used user user user and an analysis of the performance of services hersunder to Cadrial, regardless of whether such caura is user user user user user user user use	Company Name: BORCD, L.K.   Project Manager: State:   Zily: Fax #:   Project Name: North, Tridlig II   Project Location: Fax #:   Project Location: Fax #:   Project Location: Fax #:   Project Location: Fax #:   Sampler Name: North, Tridlig II   Value Out: Sample I.D.   Sampler Name: North, Tridlig II   Project Location: Fax #:   Sampler Name: North, Tridlig II   Project Location: Fax #:   Sampler Name: North, Tridlig II   Project Location: Fax #:   Sampler Name: North, Tridlig II   Project Location: Fax #:   Sampler Name: North, North, North, Norther North, No	
Phone Result: 1 Yes 1 No Add' Phone #: Fax Result: 1 Yes 1 No Add' Fax #: Emil regults acruth@basspet.com Emil regults acruth@basspet.com		ANALYSIS REQUEST

. Released to Imaging: 9/22/2022 12:01:33 PM

Page 57 of 60 aboratories



### PHOTOGRAPHIC LOG



**Photograph 1:** West facing view of reclaimed lease road.



Photograph 2: Northwest facing view of reclaimed well pad.



**Photograph 3:** Southeast facing view of reclaimed well pad.



**Photograph 4:** South facing view of reclaimed well pad.

North Indian Flats 24 Federal #14 Remediation Permit Number 2RP-3341 Photographs Taken: April 15, 2020

Page 1 of 1



District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

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

CONDITIONS

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	8181
	Action Type:
	[C-141] Release Corrective Action (C-141)
CONDITIONS	

CONDITIONS

	Created By		Condition Date
F	jharimon	DTGW not adequately assessed. Data allows for closure.	9/22/2022

CONDITIONS

Page 60 of 60

Action 8181

.