

BOPCO

PLU Pierce Canyon 17 Federal #1H

CLOSURE REPORT

2RP-1266

API No. 30-015-36635

Release Date: 7/31/2012

Unit Letter P, Section 17, Township 25 South, Range 30 East

NM OIL CONSERVATION

ARTESIA DISTRICT

SEP 22 2014

June 17, 2014

RECEIVED

Prepared by:

Environmental Department
Diversified Field Service, Inc.

3412 N. Dal Paso

Hobbs, NM 88240

Phone: (575)964-8394

Fax: (575)393-8396

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Pierce Canyon 17 Federal #1

1 INTRODUCTION

BOPCO has retained Diversified Field Service, Inc. (DFSI) to address environmental issues for the site detailed herein.

The site is located South East of Carlsbad NM, in Eddy County. On 07/31/2012 10bbls of crude oil was released with no recovery. The leak site resulted from a 3" split in the seam of the pipe that traversed from the heater-treater to the tanks. The leak released fluid misting an approximate 8,868 square feet area with an approximate ¼" saturation. A form C-141 was submitted to the NMOCD on August 15, 2012. (Appendix I).

2 SITE ACTIVITIES

On December 17, 2013, DFSI personnel collected surface soil samples from the site. The samples were field screened for Chloride and TPH. The samples were submitted to a commercial laboratory for Chloride and TPH analyses (Appendix IV). The lab confirms the following:

SP1: 2" - 272 mg/kg chlorides and 205.8 mg/kg TPH
SP2: 2" - 384 mg/kg chlorides and 74.5 mg/kg TPH
SP3: 2" - 848 mg/kg chlorides and <10 mg/kg TPH
SP4: 1" - 192 mg/kg chlorides and 6023 mg/kg TPH
SP5: 1" - 304 mg/kg chlorides and 40.6 mg/kg TPH
SP6: Surface - <16 mg/kg chlorides and 20.1 mg/kg TPH
SP7: Surface - <16 mg/kg chlorides and <10 mg/kg TPH

On January 03, 2014 DFSI personnel returned to the site and further delineated SP4 at 1ft bgs intervals. Whereby, it was determined that all of the aforementioned sample points returned acceptable lab confirmations at the 1ft to 2ft bgs. The lab confirms the following:

SP4: 2' - <0.30 mg/kg BTEX and <10 mg/kg TPH

On February 05, 2014 DFSI personnel retrieved a composite sample of the contaminated stockpile that was excavated area of SP4. The initial sample of stockpile was submitted to a commercial lab for analysis and returned a GRO < 10.0 and DRO of 698 mg/kg. The stockpile was blended down and again sampled on February, 14 2014. This sample returned acceptable limits of Chloride at 256 mg/kg, (Appendix IV), BTEX totaled less than 0.300 mg/kg, and

DRO/GRO < 405.0 in all samples. There was a combined total of 60 yards of visually impacted soils that were excavated throughout whereas the majority of the area was scrapped and removed to a NMOCD approved disposal facility. Backfill was brought back and used to blend with the above mentioned stockpile and was used as backfill. In the area of SP4, a trench was excavated and BOPCO installed a new line through this area. The excavated area on the well pad was backfilled with aforementioned blended stockpiled soil, imported caliche and leveled. Likewise, the pasture excavation was backfilled with imported and blended topsoil from the combination of 60 yards from an NMOCD approved facility and the above aforementioned stockpile. The site was contoured to the surrounding landscape. Photographs of the site activities can be viewed in Appendix II.

3 CONCLUSION

According to the U.S. Geological Survey and the NM Office of the State Engineer, depth to groundwater in the area averages greater than 325ft. bgs (Appendix III). Based on the removal of soils containing elevated chloride and visual staining at the site, BOPCO, L.P. respectfully requests the closure of the regulatory file for the site.

Site Diagram

BOPCO, PLU PC 17 Federal #1H
UL/P, Sec. 17 T25S R30E
Eddy County, NM
Drafted By: Lance Crenshaw, 3-10-14

0 0.005 0.01 0.02 Miles

Visually impacted soils were excavated throughout the entire leak area and backfilled with stockpiled soil.











Spill Area:
8,868 sq. ft.

SP1 thru SP3 were excavated to 1ft. bgs.

Legend



Misc_points

Types


-  Electrical Box
-  Power Pole
-  Headers
-  Injection
-  Pumpjacks
-  Tanks
-  Valves
-  Other
-  sample_pts
-  Source

Pipeline





Type

-  Above Ground Line
-  Buried Line

Spill

-  <all other values>

Spill_Media

-  Oil and Produced H2O
-  Oil
-  Other
-  Produced Water

Lance Crenshaw
GIS Technician

Soil Remediation and Ground Water Remediation
Environmental Assessments
Regulatory Compliance



Environmental

DFSI

Services

Office: 575-964-8394

Fax: 575-964-8396

Cell: 575-441-2359

Email: lcrenshaw@diversifiedfsi.com

Source: Esri, DigitalGlobe, GeoEye, AeroGRID, IGN, and the GIS User Community

Appendix I

INITIAL FORM C-141

Diversified Field Service, Inc.
3412 N. Dal Paso
Hobbs, NM 88240
(575) 964-8394

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

nJMW 1224153124

| | | | |
|--|--|---|--|
| Name of Company: BOPCO, L.P. 260737 | | OPERATOR <input checked="" type="checkbox"/> Initial Report <input type="checkbox"/> Final Report | |
| Address: 522 W. Mermod, Suite 704 Carlsbad, N.M. 88220 | | Contact: Tony Savoie | |
| Facility Name: PLU Peirce Canyon 17 Federal #1H | | Telephone No. 575-887-7329 | |
| | | Facility Type: Exploration and Production | |
| Surface Owner: Federal | | Mineral Owner: Federal | |
| | | API No. 30-015-36635 | |

LOCATION OF RELEASE

| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|--------|
| P | 17 | 25S | 30E | 350 | South | 350 | East | Eddy |

Latitude N 32.123902 Longitude W 103.896282

NATURE OF RELEASE

| | | |
|--|---|--|
| Type of Release: Crude Oil | Volume of Release: 10 bbls. | Volume Recovered: None |
| Source of Release: A 3" line going from the process vessels to the tanks. | Date and Hour of Occurrence: 7/31/12 Approximately 12:00 p.m. | Date and Hour of Discovery: 7/31/12 at 2:20 p.m. |
| Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom? Jim Amos BLM | |
| By Whom? Tony Savoie | Date and Hour: 7/31/12 2:27 p.m. | |
| Was a Watercourse Reached? <input type="checkbox"/> Yes <input type="checkbox"/> No | If YES, Volume Impacting the Watercourse. | |

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

A 3" line going from the heater to the tanks split at a seam in the pipe. The entire section of pipe was replaced.

Describe Area Affected and Cleanup Action Taken.*

The split was on top of the pipe, the released fluid misted an area covering approximately 36,000 sq.ft. There was less than 1/4" of soil saturation out to a distance of 300 ft. from the release point. The vegetation had a very slight mist out to a total distance of 420 ft. The area affected appears to have been a frak pond used during the drilling operations. The reclaimed area measured approximately 375 ft. East by West and 510 ft. North by South. The affected area will be remediated in accordance to the NMOCD and BLM guidelines.

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.

OIL CONSERVATION DIVISION

| | | |
|--|--|------------------|
| Signature: <i>Tony Savoie</i> | Approved by Environmental Specialist: Signed By <i>Allye Brannon</i> | |
| Printed Name: Tony Savoie | Approval Date: AUG 28 2012 | Expiration Date: |
| Title: Waste Management and Remediation Specialist | Conditions of Approval: Remediation per OCD Rules & Guidelines. SUBMIT REMEDIATION PROPOSAL NOT LATER THAN: | |
| E-mail Address: tasavoie@basspet.com | Attached <input type="checkbox"/> | |
| Date: 8/15/12 | Phone: 432-556-8730 | |

* Attach Additional Sheets If Necessary

9-28-12

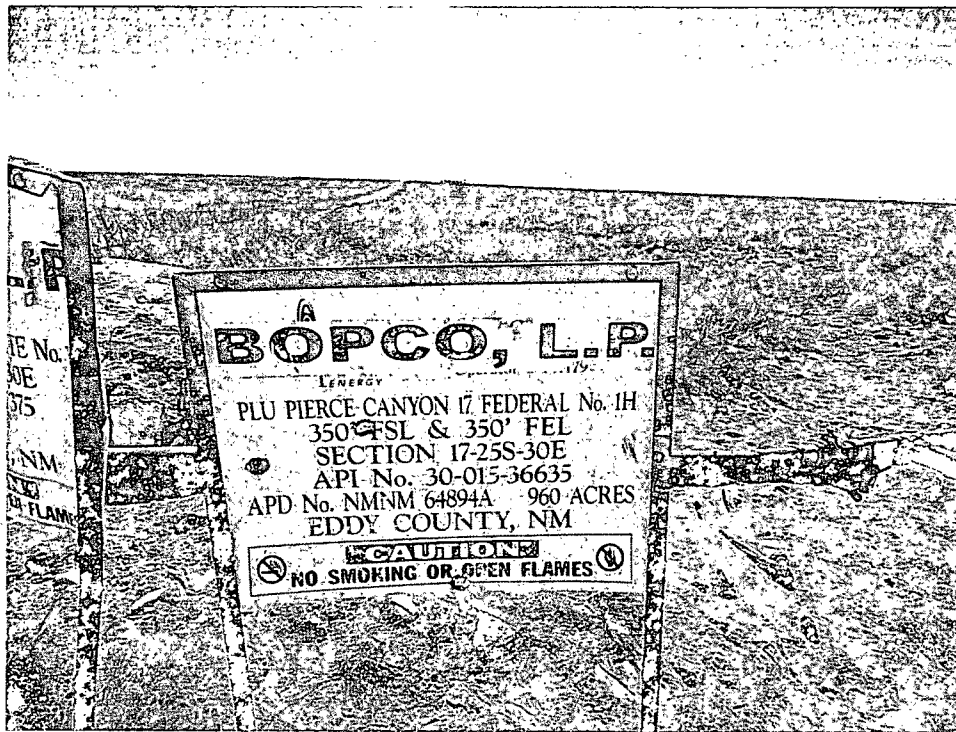
2RP-1266

Appendix II

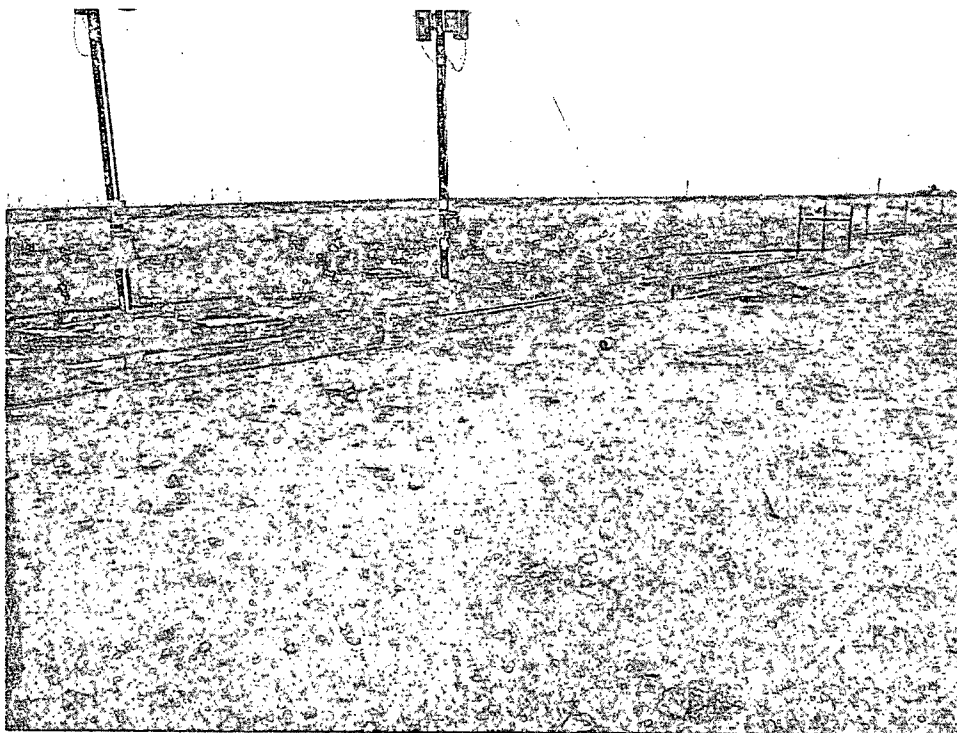
SITE PHOTOGRAPHS

BOPCO PLU Pierce Canyon 17 Federal #1H

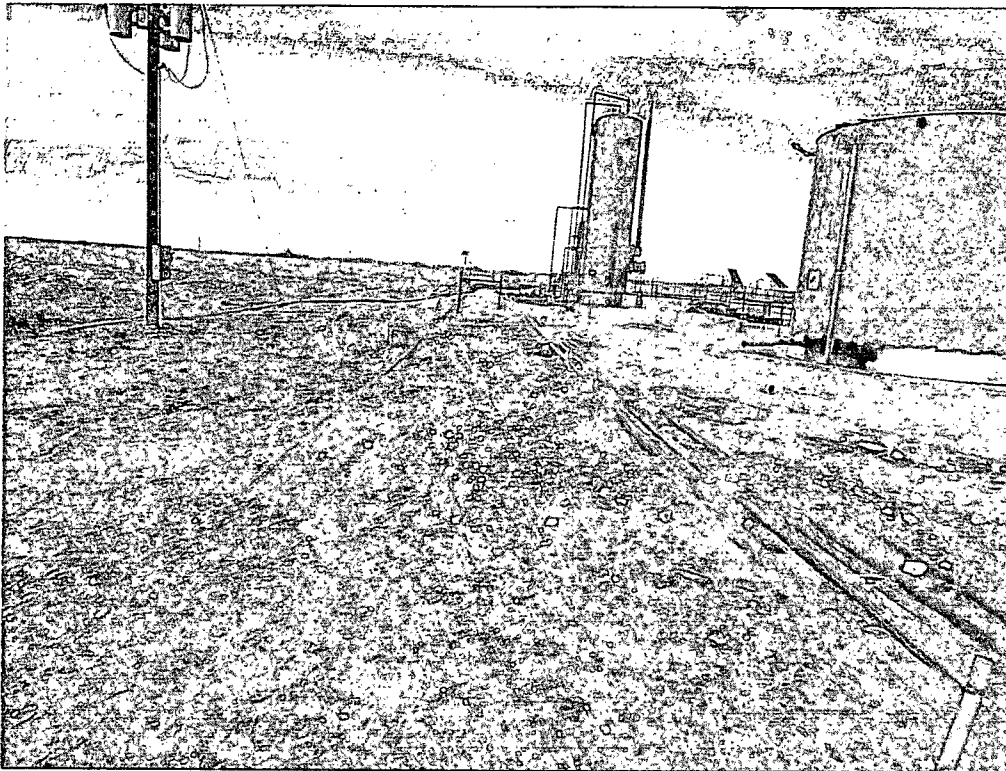
Unit Letter P, Section 17, T25S R30E



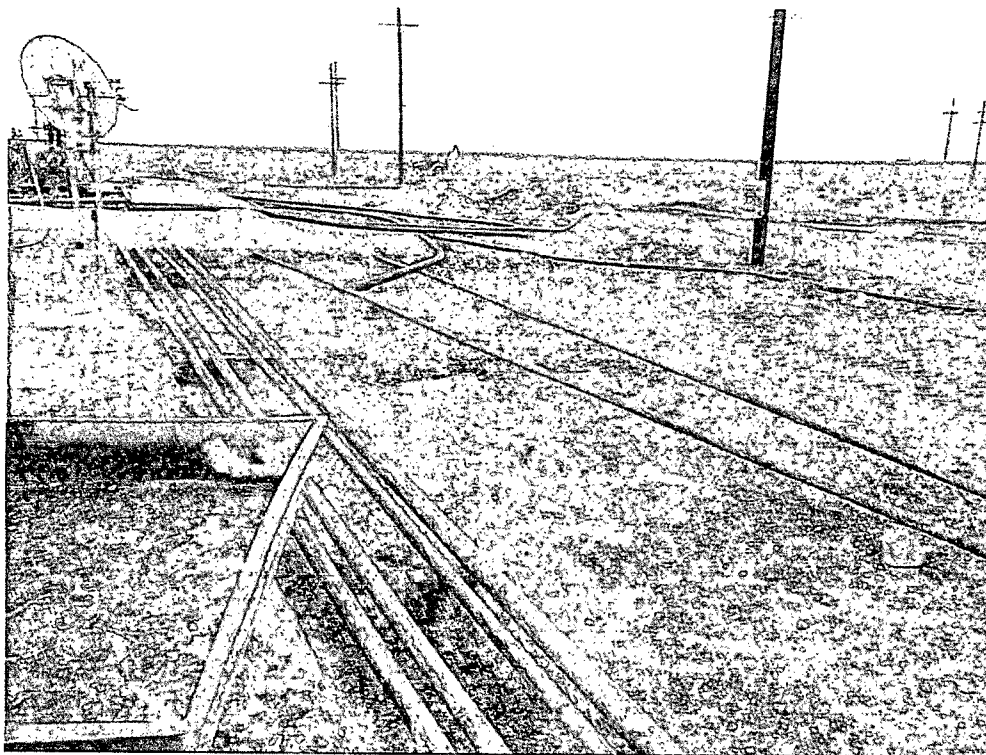
Sign marking location 12/04/13



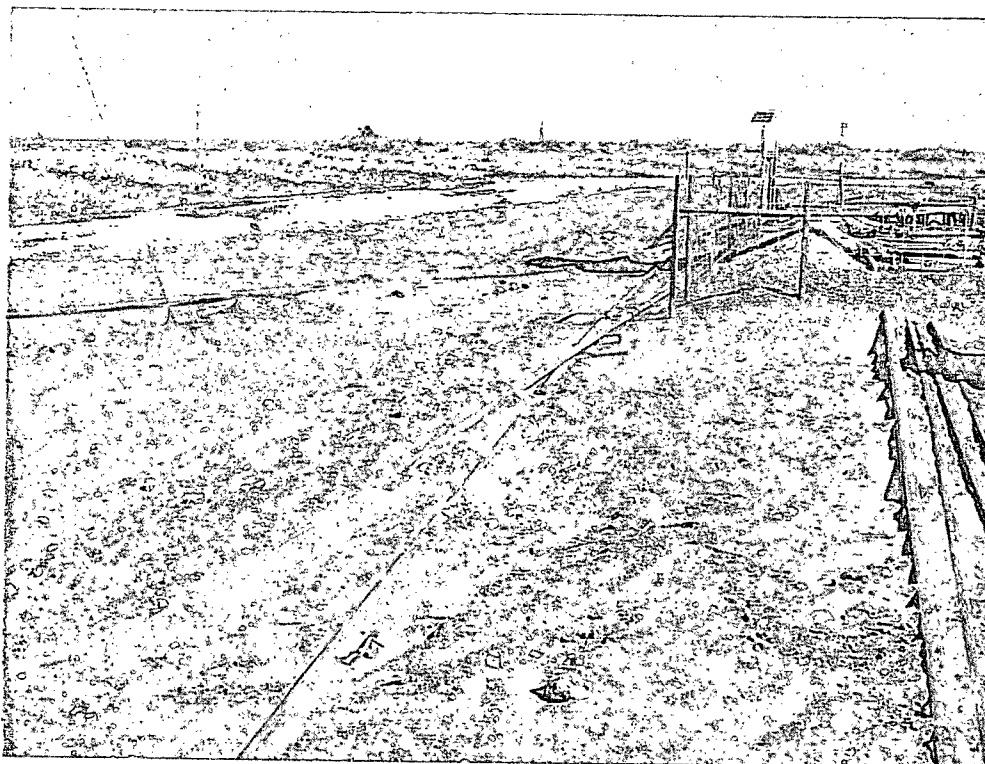
Impacted pasture with sample points west of location 12/09/13



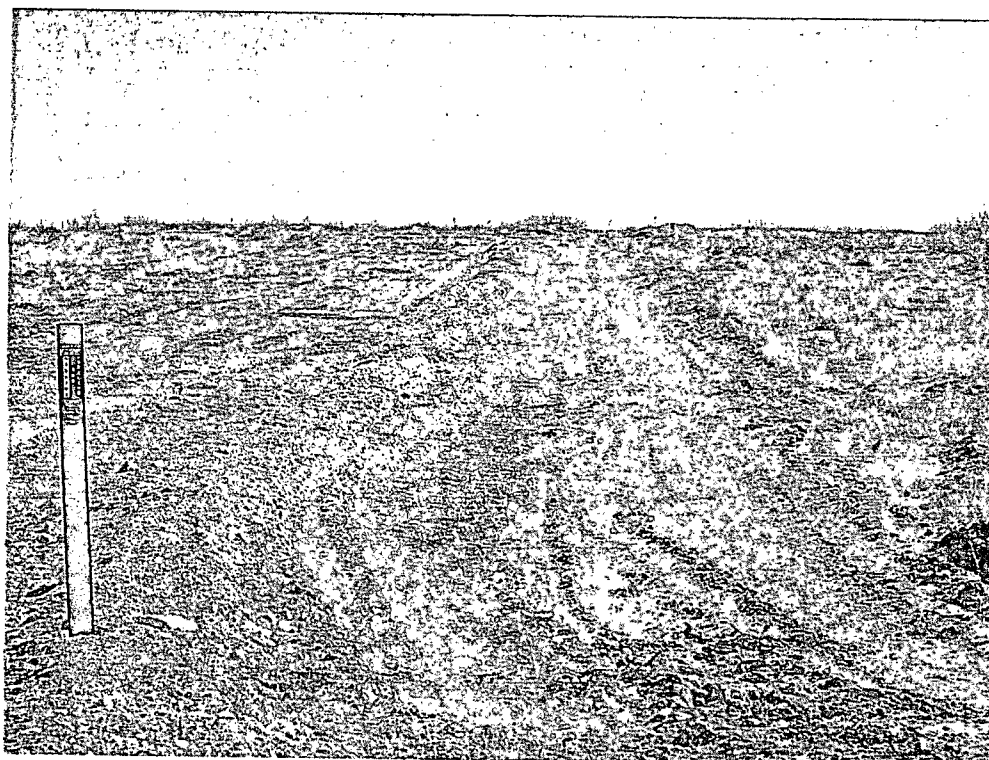
Markers indicating sample points 12/05/13



Excavation 1 foot below pipe 2/10/14



Site at completion 3/28/14



Pipeline installation at completion 03/28/14

Appendix III

GROUNDWATER DATA

Diversified Field Service, Inc.
3412 N. Dal Paso
Hobbs, NM 88240
(575) 964-8394

DEPTH TO GROUNDWATER

BOPCO PLU Pierce Canyon 17 Federal #1H

UL: P Sec: 17 T: 25S R: 30E

Groundwater Depth: ~325 ft.

○ = NM Office of the State Engineer

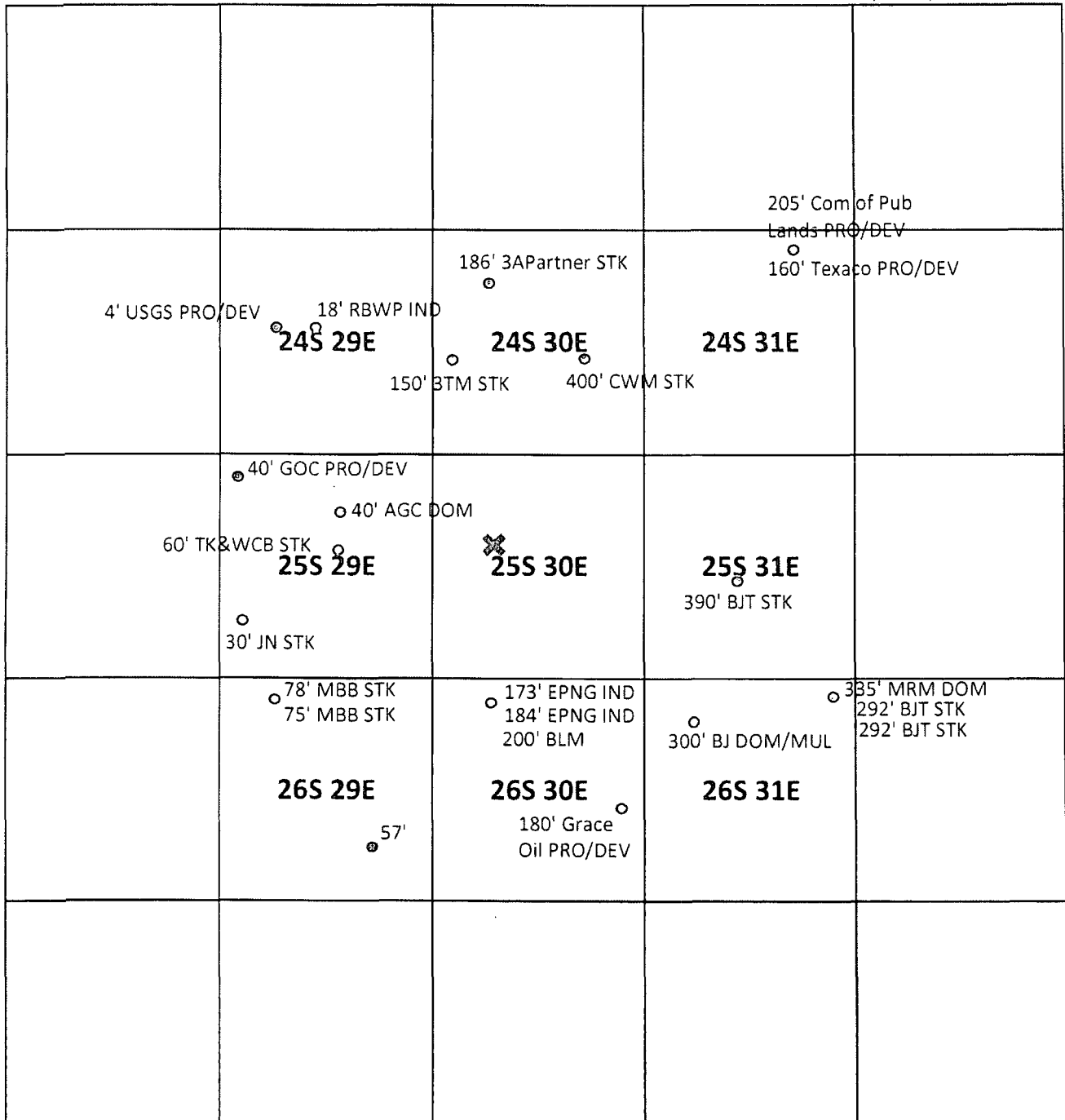
NMOCD GW trend map - 325 to 350 ft bgs

● = U.S. Geological Survey (unknown well)

Date: 12/17/13

✕ = Site Location

By: Amy Ruth



Appendix IV

SOIL CHEMISTRY TABLE

PLU Pierce Canyon 17 Fed #1 Soil Chemistry Table

| Date | Lab ID | Sample ID | TPH MG/KG | BTEX MG/KG | Chloride MG/KG | STATUS |
|------------|---------|-------------------|-----------|------------|----------------|---------------|
| 12/17/2013 | H303057 | SP1 AT SURFACE | 1280 | | 928 | Excavated |
| 12/17/2013 | H303057 | SP-1 AT 2 | 205.8 | | 272 | Insitu |
| 12/17/2013 | H303057 | SP-1 AT 3 | 87.3 | <0.300 | 400 | Insitu |
| 12/17/2013 | H303057 | SP2 AT SURFACE | 18196 | | 3160 | Excavated |
| 12/17/2013 | H303057 | SP-2 AT 2 | 74.5 | | 384 | Insitu |
| 12/17/2013 | H303057 | SP-2 AT 3 | 12.1 | | 464 | Insitu |
| 12/17/2013 | H303057 | SP3 AT SURFACE | 18350 | | 3000 | Excavated |
| 12/17/2013 | H303057 | SP-3 AT 2 | 45.5 | | 848 | Insitu |
| 12/17/2013 | H303057 | SP-3 AT 3 | <10 | | 528 | Insitu |
| 12/17/2013 | H303057 | SP4 AT SURFACE | 10770 | | 160 | Excavated |
| 12/17/2013 | H303057 | SP-4 AT 1 | 6023 | | 192 | Excavated |
| 12/17/2013 | H303057 | SP5 AT SURFACE | 9940 | | 160 | Excavated |
| 12/17/2013 | H303057 | SP-5 AT 1 | 40.6 | | 304 | Insitu |
| 12/17/2013 | H303057 | SP6 AT SURFACE | 20.2 | | <16 | Insitu |
| 12/17/2013 | H303057 | SP7 AT SURFACE | <10 | | <16 | Insitu |
| 1/3/2014 | H400020 | SP-4 AT 2' | <10 | <0.300 | N/T | Insitu |
| 1/3/2014 | H400020 | SP-4 AT 4' | <10 | <0.300 | N/T | Insitu |
| 2/5/2014 | H400369 | West side of pile | 899 | | 496 | Treat & blend |
| 2/12/2014 | H400433 | Composite #1 | <10 | | 64 | Backfill |
| 2/14/2014 | h400458 | Stockpile #2 | 617 | <0.300 | 256 | Backfill |

Appendix V

LABORATORY ANALYSES

Diversified Field Service, Inc.
3412 N. Dal Paso
Hobbs, NM 88240
(575) 964-8394

December 27, 2013

JODY WALTERS

Bass Enterprises

522 W. Mermod #709

Carlsbad, NM 88220

RE: PLU PC 17 FED #1

Enclosed are the results of analyses for samples received by the laboratory on 12/17/13 16:15.

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.


Cardinal Laboratories is accredited 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

Analytical Results For:

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

Received: 12/17/2013
Reported: 12/27/2013
Project Name: PLU PC 17 FED #1
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 12/17/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: SP1 @ SURFACE (H303057-01)

| Chloride, SM4500Cl-B | | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 928 | 16.0 | 12/21/2013 | ND | 400 | 100 | 400 | 7.69 | | |
| TPH 8015M | | | mg/kg | | Analyzed By: ms | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | <10.0 | 10.0 | 12/22/2013 | ND | 190 | 95.2 | 200 | 1.98 | | |
| DRO >C10-C28 | 1010 | 10.0 | 12/22/2013 | ND | 193 | 96.6 | 200 | 1.57 | | |
| EXT DRO >C28-C35 | 270 | 10.0 | 12/22/2013 | ND | | | | | | |

Surrogate: 1-Chlorooctane 94.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 113 % 63.6-154

Sample ID: SP1 @ 2 (H303057-02)

| Chloride, SM4500Cl-B | | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 272 | 16.0 | 12/21/2013 | ND | 400 | 100 | 400 | 7.69 | | |
| TPH 8015M | | | mg/kg | | Analyzed By: ms | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | <10.0 | 10.0 | 12/22/2013 | ND | 190 | 95.2 | 200 | 1.98 | | |
| DRO >C10-C28 | 155 | 10.0 | 12/22/2013 | ND | 193 | 96.6 | 200 | 1.57 | | |
| EXT DRO >C28-C35 | 50.8 | 10.0 | 12/22/2013 | ND | | | | | | |

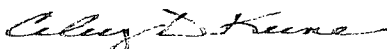
Surrogate: 1-Chlorooctane 99.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 103 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 12/17/2013
Reported: 12/27/2013
Project Name: PLU PC 17 FED #1
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 12/17/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: SP1 @ 3 (H303057-03)

| BTX 8021B | | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/26/2013 | ND | 2.16 | 108 | 2.00 | 1.36 | | |
| Toluene* | <0.050 | 0.050 | 12/26/2013 | ND | 2.16 | 108 | 2.00 | 1.36 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/26/2013 | ND | 2.15 | 107 | 2.00 | 1.82 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/26/2013 | ND | 6.27 | 104 | 6.00 | 2.42 | | |
| Total BTX | <0.300 | 0.300 | 12/26/2013 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PIE) 101 % 89.4-126

| 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 | 12/21/2013 | ND | 400 | 100 | 400 | 7.69 | |

| TPH 8015M | | mg/kg | | Analyzed By: ms | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 12/22/2013 | ND | 190 | 95.2 | 200 | 1.98 | |
| DRO >C10-C28 | 67.6 | 10.0 | 12/22/2013 | ND | 193 | 96.6 | 200 | 1.57 | |
| EXT DRO >C28-C35 | 19.7 | 10.0 | 12/22/2013 | ND | | | | | |

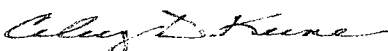
Surrogate: 1-Chlorooctane 94.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 96.3 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 12/17/2013
 Reported: 12/27/2013
 Project Name: PLU PC 17 FED #1
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 12/17/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: SP2 @ SURFACE (H303057-04)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | | |
|-------------------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 3160 | 16.0 | 12/21/2013 | ND | 400 | 100 | 400 | 7.69 | | |
| TPH 8015M | | mg/kg | | Analyzed By: ms | | | | | | S-06 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | 56.0 | 50.0 | 12/22/2013 | ND | 190 | 95.2 | 200 | 1.98 | | |
| DRO >C10-C28 | 14600 | 50.0 | 12/22/2013 | ND | 193 | 96.6 | 200 | 1.57 | | |
| EXT DRO >C28-C35 | 3540 | 50.0 | 12/22/2013 | ND | | | | | | |
| | | | | | | | | | | |
| Surrogate: 1-Chlorooctane | 135 % | 65.2-140 | | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 534 % | 63.6-154 | | | | | | | | |

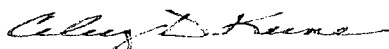
Sample ID: SP2 @ 2 (H303057-05)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|-------------------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 384 | 16.0 | 12/21/2013 | ND | 400 | 100 | 400 | 7.69 | |
| TPH 8015M | | mg/kg | | Analyzed By: ms | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 12/22/2013 | ND | 190 | 95.2 | 200 | 1.98 | |
| DRO >C10-C28 | 35.8 | 10.0 | 12/22/2013 | ND | 193 | 96.6 | 200 | 1.57 | |
| EXT DRO >C28-C35 | 38.7 | 10.0 | 12/22/2013 | ND | | | | | |
| | | | | | | | | | |
| Surrogate: 1-Chlorooctane | 105 % | 65.2-140 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 104 % | 63.6-154 | | | | | | | |

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 12/17/2013
 Reported: 12/27/2013
 Project Name: PLU PC 17 FED #1
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 12/17/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: SP2 @ 3 (H303057-06)

| Chloride, SM4500Cl-B | | | mg/kg | | | | | | | |
|-------------------------------|-------------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|--|
| | | | Analyzed By: AP | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 464 | 16.0 | 12/21/2013 | ND | 400 | 100 | 400 | 7.69 | | |
| TPH 8015M | | | mg/kg | | | | | | | |
| | | | Analyzed By: ms | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | <10.0 | 10.0 | 12/22/2013 | ND | 190 | 95.2 | 200 | 1.98 | | |
| DRO >C10-C28 | 12.1 | 10.0 | 12/22/2013 | ND | 193 | 96.6 | 200 | 1.57 | | |
| EXT DRO >C28-C35 | <10.0 | 10.0 | 12/22/2013 | ND | | | | | | |
| <hr/> | | | | | | | | | | |
| Surrogate: 1-Chlorooctane | 99.9 % | 65.2-140 | | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 99.8 % | 63.6-154 | | | | | | | | |

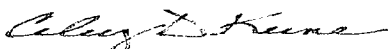
Sample ID: SP3 @ SURFACE (H303057-07)

| Chloride, SM4500Cl-B | | | mg/kg | | | | | | | |
|-------------------------------|--------------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|--|
| | | | Analyzed By: AP | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 3000 | 16.0 | 12/21/2013 | ND | 400 | 100 | 400 | 7.69 | | |
| TPH 8015M | | | mg/kg | | | | | | | |
| | | | Analyzed By: ms | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | <50.0 | 50.0 | 12/22/2013 | ND | 190 | 95.2 | 200 | 1.98 | | |
| DRO >C10-C28 | 14900 | 50.0 | 12/22/2013 | ND | 193 | 96.6 | 200 | 1.57 | | |
| EXT DRO >C28-C35 | 3450 | 50.0 | 12/22/2013 | ND | | | | | | |
| <hr/> | | | | | | | | | | |
| Surrogate: 1-Chlorooctane | 108 % | 65.2-140 | | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 568 % | 63.6-154 | | | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 12/17/2013
Reported: 12/27/2013
Project Name: PLU PC 17 FED #1
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 12/17/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: SP3 @ 2 (H303057-08)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: CK | | | | | |
|-------------------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 848 | 16.0 | 12/23/2013 | ND | 416 | 104 | 400 | 3.92 | |
| TPH 8015M | | mg/kg | | Analyzed By: ms | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 12/22/2013 | ND | 190 | 95.2 | 200 | 1.98 | |
| DRO >C10-C28 | 15.1 | 10.0 | 12/22/2013 | ND | 193 | 96.6 | 200 | 1.57 | |
| EXT DRO >C28-C35 | 30.4 | 10.0 | 12/22/2013 | ND | | | | | |
| | | | | | | | | | |
| Surrogate: 1-Chlorooctane | 103 % | 65.2-140 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 104 % | 63.6-154 | | | | | | | |

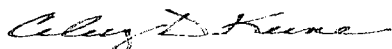
Sample ID: SP3 @ 3 (H303057-09)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: CK | | | | | |
|-------------------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 528 | 16.0 | 12/23/2013 | ND | 416 | 104 | 400 | 3.92 | |
| TPH 8015M | | mg/kg | | Analyzed By: ms | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 12/22/2013 | ND | 190 | 95.2 | 200 | 1.98 | |
| DRO >C10-C28 | <10.0 | 10.0 | 12/22/2013 | ND | 193 | 96.6 | 200 | 1.57 | |
| EXT DRO >C28-C35 | <10.0 | 10.0 | 12/22/2013 | ND | | | | | |
| | | | | | | | | | |
| Surrogate: 1-Chlorooctane | | 98.2 % | 65.2-140 | | | | | | |
| Surrogate: 1-Chlorooctadecane | | 95.1 % | 63.6-154 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 12/17/2013
Reported: 12/27/2013
Project Name: PLU PC 17 FED #1
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 12/17/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: SP4 @ SURFACE (H303057-10)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: CK | | | | | | |
|-------------------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 160 | 16.0 | 12/23/2013 | ND | 416 | 104 | 400 | 3.92 | | |
| TPH 8015M | | mg/kg | | Analyzed By: ms | | | | | | S-06 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | <50.0 | 50.0 | 12/22/2013 | ND | 190 | 95.2 | 200 | 1.98 | | |
| DRO >C10-C28 | 8010 | 50.0 | 12/22/2013 | ND | 193 | 96.6 | 200 | 1.57 | | |
| EXT DRO >C28-C35 | 2760 | 50.0 | 12/22/2013 | ND | | | | | | |
| | | | | | | | | | | |
| Surrogate: 1-Chlorooctane | 99.0 % | 65.2-140 | | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 317 % | 63.6-154 | | | | | | | | |

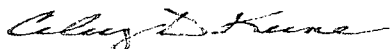
Sample ID: SP4 @ 1 (H303057-11)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: CK | | | | | | |
|-------------------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 192 | 16.0 | 12/23/2013 | ND | 416 | 104 | 400 | 3.92 | | |
| TPH 8015M | | mg/kg | | Analyzed By: ms | | | | | | S-04 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | 748 | 10.0 | 12/22/2013 | ND | 190 | 95.2 | 200 | 1.98 | | |
| DRO >C10-C28 | 4660 | 10.0 | 12/22/2013 | ND | 193 | 96.6 | 200 | 1.57 | | |
| EXT DRO >C28-C35 | 615 | 10.0 | 12/22/2013 | ND | | | | | | |
| Surrogate: 1-Chlorooctane | | | | | | | | | | |
| | 180 % | 65.2-140 | | | | | | | | |
| Surrogate: 1-Chlorooctadecane | | | | | | | | | | |
| | 151 % | 63.6-154 | | | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 12/17/2013
Reported: 12/27/2013
Project Name: PLU PC 17 FED #1
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 12/17/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: SP5 @ SURFACE (H303057-12)

| Chloride, SM4500Cl-B | mg/kg | | Analyzed By: CK | | | | | | | |
|-------------------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 160 | 16.0 | 12/23/2013 | ND | 416 | 104 | 400 | 3.92 | | |
| TPH 8015M | mg/kg | | Analyzed By: ms | | | | | | | S-06 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | <50.0 | 50.0 | 12/22/2013 | ND | 190 | 95.2 | 200 | 1.98 | | |
| DRO >C10-C28 | 7140 | 50.0 | 12/22/2013 | ND | 193 | 96.6 | 200 | 1.57 | | |
| EXT DRO >C28-C35 | 2800 | 50.0 | 12/22/2013 | ND | | | | | | |
| | | | | | | | | | | |
| Surrogate: 1-Chlorooctane | 96.4 % | 65.2-140 | | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 272 % | 63.6-154 | | | | | | | | |

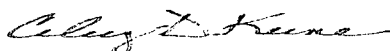
Sample ID: SP5 @ 1 (H303057-13)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: CK | | | | | | |
|-------------------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 304 | 16.0 | 12/23/2013 | ND | 416 | 104 | 400 | 3.92 | | |
| TPH 8015M | | mg/kg | | Analyzed By: ms | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | <10.0 | 10.0 | 12/22/2013 | ND | 190 | 95.2 | 200 | 1.98 | | |
| DRO >C10-C28 | 11.1 | 10.0 | 12/22/2013 | ND | 193 | 96.6 | 200 | 1.57 | | |
| EXT DRO >C28-C35 | 29.5 | 10.0 | 12/22/2013 | ND | | | | | | |
| | | | | | | | | | | |
| Surrogate: 1-Chlorooctane | 101 % | 65.2-140 | | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 101 % | 63.6-154 | | | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 12/17/2013
 Reported: 12/27/2013
 Project Name: PLU PC 17 FED #1
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 12/17/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: SP6 @ SURFACE (H303057-14)

| Chloride, SM4500Cl-B | | | mg/kg | | Analyzed By: CK | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 12/23/2013 | ND | 416 | 104 | 400 | 3.92 | | |
| TPH 8015M | | | mg/kg | | Analyzed By: ms | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | <10.0 | 10.0 | 12/22/2013 | ND | 190 | 95.2 | 200 | 1.98 | | |
| DRO >C10-C28 | 10.1 | 10.0 | 12/22/2013 | ND | 193 | 96.6 | 200 | 1.57 | | |
| EXT DRO >C28-C35 | 10.1 | 10.0 | 12/22/2013 | ND | | | | | | |
| | | | | | | | | | | |
| Surrogate: 1-Chlorooctane | 102 % | 65.2-140 | | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 101 % | 63.6-154 | | | | | | | | |

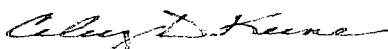
Sample ID: SP7@ SURFACE (H303057-15)

| Chloride, SM4500Cl-B | | | mg/kg | | Analyzed By: CK | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 12/23/2013 | ND | 416 | 104 | 400 | 3.92 | | |
| TPH 8015M | | | mg/kg | | Analyzed By: ms | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | <10.0 | 10.0 | 12/22/2013 | ND | 190 | 95.2 | 200 | 1.98 | | |
| DRO >C10-C28 | <10.0 | 10.0 | 12/22/2013 | ND | 193 | 96.6 | 200 | 1.57 | | |
| EXT DRO >C28-C35 | <10.0 | 10.0 | 12/22/2013 | ND | | | | | | |
| | | | | | | | | | | |
| Surrogate: 1-Chlorooctane | 101 % | 65.2-140 | | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 100 % | 63.6-154 | | | | | | | | |

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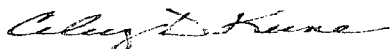
Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

| | |
|------|--|
| S-06 | The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's. |
| S-04 | The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. |
| 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 |

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Celey D. Keene, Lab Director/Quality Manager



1052

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(575) 393-2326 FAX (575) 393-2476

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| | | | | | | | |
|------------------------------|--|----------|--|--|------------------------------|-----------------------------|----------------|
| Relinquished By: | | Date: | Received By: | Phone Result: | <input type="checkbox"/> Yes | <input type="checkbox"/> No | Add'l Phone #: |
| Miguel Gomez | | 12/17/13 | [Signature] | Fax Result: | <input type="checkbox"/> Yes | <input type="checkbox"/> No | Add'l Fax #: |
| Relinquished By: | | Date: | Received By: | REMARKS: | | | |
| [Signature] | | 12/17/13 | [Signature] | Run BTEX only for highest sample of TPH at 3' (out of all) | | | |
| Delivered By: (Circle One) | | | Sample Condition | CHECKED BY: | | | |
| Sampler - UPS - Bus - Other: | | | Cool Intact | (Initials) | | | |
| | | | <input type="checkbox"/> Yes <input type="checkbox"/> No | [Signature] | | | |
| | | | <input type="checkbox"/> Yes <input type="checkbox"/> No | [Signature] | | | |

2012

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

| | | | | | | | | | | | | | |
|--|----------------|----------------------|-------------------|--|--|--|--|--|--|--|--|--|--|
| Company Name: <u>Diversified Service</u> | | BILL TO | | ANALYSIS REQUEST | | | | | | | | | |
| Project Manager: <u>Amy Ruth</u> | | P.O. #: | | <div style="display: flex; flex-direction: column; align-items: center;"> <div>CHLORIDE</div> <div>TRH BALSAM</div> <div>BTEX</div> </div> | | | | | | | | | |
| Address: | | Company: <u>BOYD</u> | | | | | | | | | | | |
| City: | State: | Zip: | Attn: <u>JOHN</u> | | | | | | | | | | |
| Phone #: | Fax #: | Address: | | | | | | | | | | | |
| Project #: | Project Owner: | | City: | | | | | | | | | | |
| Project Name: <u>RLV 2C IR FOL #1</u> | | | State: | | | | | | | | | | |
| Project Location: | | | Zip: | | | | | | | | | | |
| Sampler Name: <u>Miguel Gomez</u> | | Phone #: | | | | | | | | | | | |
| Fax #: | | | | | | | | | | | | | |

| FOR LAB USE ONLY | | G/RAB OR (C)OMP | # CONTAINERS | MATRIX | | | | | | PRESERV | | SAMPLING | | DATE | TIME |
|------------------|---------------|-----------------|--------------|-------------|------------|------|-----|--------|-------|-----------|------------|----------|----------|------|------|
| Lab I.D. | Sample I.D. | | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER | ACID/BASE | ICE / COOL | OTHER | | | |
| H30357 | | | | | | | | | | | | | | | |
| 11 | SPT @ 1' | G | 1 | | | X | | | | X | | | 12-17-11 | 1:14 | |
| 12 | SPT @ surface | G | 1 | | | X | | | | X | | | 12-17-11 | 1:03 | |
| 13 | SPT @ 1' | G | 1 | | | X | | | | X | | | 12-17-11 | 1:17 | |
| 14 | SPT @ surface | G | 1 | | | X | | | | X | | | 12-17-11 | 1:05 | |
| 15 | SPT @ surface | G | 1 | | | X | | | | X | | | 12-17-11 | 1:08 | |

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 the client for the 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 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 services hereunder by Cardinal regardless of whether such claim is based upon any of the above stated reasons or otherwise.

| | | | | |
|--------------------------------------|-----------------------|---|--|----------------|
| Relinquished By: <u>Miguel Gomez</u> | Date: <u>12-17</u> | Received By: <u>[Signature]</u> | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | Add'l Phone #: |
| Relinquished By: <u>[Signature]</u> | Date: <u>12-17-11</u> | Received By: <u>[Signature]</u> | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | Add'l Fax #: |
| Delivered By: (Circle One) | | | REMARKS: | |
| Sampler - UPS - Bus - Other: | | | | |
| | | Sample Condition | CHECKED BY: | |
| | | Cool/Intact | (Initials) | |
| | | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | |
| | | <input type="checkbox"/> No <input type="checkbox"/> No | | |

January 09, 2014

JODY WALTERS

Bass Enterprises

522 W. Mermod #709

Carlsbad, NM 88220

RE: PLU PC 17 FED #1

Enclosed are the results of analyses for samples received by the laboratory on 01/03/14 14:10.

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited 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

Analytical Results For:

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

Received: 01/03/2014
Reported: 01/09/2014
Project Name: PLU PC 17 FED #1
Project Number: NOT GIVEN
Project Location: EDDY COUNTY, NM

Sampling Date: 01/03/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: SP 4 @ 2' (H400020-01)

| BTX 8021B | | mg/kg | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/08/2014 | ND | 2.10 | 105 | 2.00 | 1.72 | |
| Toluene* | <0.050 | 0.050 | 01/08/2014 | ND | 2.10 | 105 | 2.00 | 1.75 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/08/2014 | ND | 2.16 | 108 | 2.00 | 1.93 | |
| Total Xylenes* | <0.150 | 0.150 | 01/08/2014 | ND | 6.23 | 104 | 6.00 | 0.713 | |
| Total BTX | <0.300 | 0.300 | 01/08/2014 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PIL) 103 % 89.4-126

| TPH 8015M | | mg/kg | | Analyzed By: ms | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 01/06/2014 | ND | 212 | 106 | 200 | 3.32 | |
| DRO >C10-C28 | <10.0 | 10.0 | 01/06/2014 | ND | 207 | 103 | 200 | 2.78 | |
| EXT DRO >C28-C35 | <10.0 | 10.0 | 01/06/2014 | ND | | | | | |

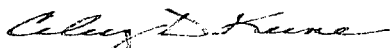
Surrogate: 1-Chlorooctane 96.9 % 63.2-140

Surrogate: 1-Chlorooctadecane 90.9 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 01/03/2014
 Reported: 01/09/2014
 Project Name: PLU PC 17 FED #1
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

 Sampling Date: 01/03/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: SP 4 @ 4' (H400020-02)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/08/2014 | ND | 2.10 | 105 | 2.00 | 1.72 | |
| Toluene* | <0.050 | 0.050 | 01/08/2014 | ND | 2.10 | 105 | 2.00 | 1.75 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/08/2014 | ND | 2.16 | 108 | 2.00 | 1.93 | |
| Total Xylenes* | <0.150 | 0.150 | 01/08/2014 | ND | 6.23 | 104 | 6.00 | 0.713 | |
| Total BTEX | <0.300 | 0.300 | 01/08/2014 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PIL) 103 % 89.4-126

| TPH 8015M | | mg/kg | | Analyzed By: ms | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 01/06/2014 | ND | 212 | 106 | 200 | 3.32 | |
| DRO >C10-C28 | <10.0 | 10.0 | 01/06/2014 | ND | 207 | 103 | 200 | 2.78 | |
| EXT DRO >C28-C35 | <10.0 | 10.0 | 01/06/2014 | ND | | | | | |

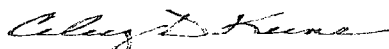
Surrogate: 1-Chlorooctane 101 % 65.2-140

Surrogate: 1-Chlorooctadecane 93.9 % 63.6-154

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 samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



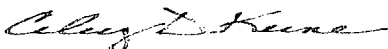
Celey D. Keene, Lab Director/Quality Manager

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**

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Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|----------|--|-----------------------|--|------------------|--|--|--|--|--|--|--|---------------------------------|--|------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Company Name: <u>BOPCO</u> | | | | BILL TO | | | | | | | | | | | | ANALYSIS REQUEST | | | | | | | | | | | | | |
| Project Manager: <u>Jody Walters</u> | | | | P.O. #: | | | | <div style="writing-mode: vertical-rl; transform: rotate(180deg);"> TPH 8015 M BTEX ✓ ✓ </div> | | | | | | | | | | | | | | | | | | | | | |
| Address: | | | | Company: <u>BOPCO</u> | | | | | | | | | | | | | | | | | | | | | | | | | |
| City: State: Zip: | | | | Attn: <u>Tony</u> | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone #: Fax #: | | | | Address: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project #: Project Owner: | | | | City: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: <u>PLU PC 17 Federal No. 1H</u> | | | | State: Zip: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Location: <u>Eddy, NM</u> | | | | Phone #: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: <u>Lance Crenshaw</u> | | | | Fax #: | | | | | | | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | Lab I.D. | | Sample I.D. | | GIRAB OR (C)OMP. | | # CONTAINERS | | MATRIX | | | | PRESERV. | | SAMPLING | | | | | | | | | | | | | |
| | | | | | | | | | | GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: | | | | ACID/BASE ICE/COOL OTHER: | | DATE TIME | | | | | | | | | | | | | |
| | | SP402 | | SP404 | | G | | 1 | | | | | | | | 1-3-14 11:20 | | | | | | | | | | | | | |
| | | | | | | G | | 1 | | | | | | | | 1-3-14 11:25 | | | | | | | | | | | | | |

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| | | | | | | | | | |
|--|--|---------------------|--|---|--|--|--|----------------|--|
| Relinquished By: <u>[Signature]</u> | | Date: <u>1/3/14</u> | | Received By: <u>[Signature]</u> | | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | Add'l Phone #: | |
| | | Time: <u>2:10</u> | | | | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | Add'l Fax #: | |
| Relinquished By: | | Date: | | Received By: | | REMARKS: | | | |
| | | Time: | | | | Email results to <u>aruthediversifiedfsi.com</u> , <u>sswalters@basspet.com</u> | | | |
| Delivered By: (Circle One) | | | | Sample Condition | | CHECKED BY: | | | |
| Sampler - UPS - Bus - Other: <u>3.6C</u> | | | | Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No | | <u>[Signature]</u> | | | |

February 07, 2014

JODY WALTERS

Bass Enterprises

522 W. Mermod #709

Carlsbad, NM 88220

RE: PLU PC 17 FED #1

Enclosed are the results of analyses for samples received by the laboratory on 02/05/14 16:37.

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited 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

Analytical Results For:

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

 Received: 02/05/2014
 Reported: 02/07/2014
 Project Name: PLU PC 17 FED #1
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

 Sampling Date: 02/05/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kathy Perez

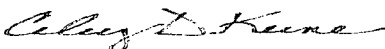
Sample ID: WEST SIDE OF PILE (H400369-01)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | | |
|-------------------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 496 | 16.0 | 02/07/2014 | ND | 416 | 104 | 400 | 3.92 | | |
| TPH 8015M | | mg/kg | | Analyzed By: ms | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | <10.0 | 10.0 | 02/06/2014 | ND | 201 | 100 | 200 | 2.25 | | |
| DRO >C10-C28 | 698 | 10.0 | 02/06/2014 | ND | 194 | 97.0 | 200 | 1.81 | | |
| EXT DRO >C28-C35 | 201 | 10.0 | 02/06/2014 | ND | | | | | | |
| | | | | | | | | | | |
| Surrogate: 1-Chlorooctane | 97.2 % | 65.2-140 | | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 115 % | 63.6-154 | | | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

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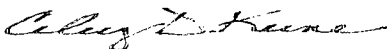
Celey D. Keene, Lab Director/Quality Manager

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**

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Celey D. Keene, Lab Director/Quality Manager



Page 4 of 4

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|--|-------------------|--|----------|--|-----------------|--|--------------|--|---|--|----------------------------------|--|-------------------------|--|--|--|--|--|--|--|------|--|--|--|
| Company Name: BOPCO | | | | | | BILL TO | | | | | | | | ANALYSIS REQUEST | | | | | | | | | | | |
| Project Manager: Jody Walters | | | | | | P.O. #: | | | | | | TPH 8015 M G1- added 2/7/14 | | | | | | | | | | | | | |
| Address: | | | | | | Company: | | | | | | | | | | | | | | | | | | | |
| City: | | State: | | Zip: | | Attn: | | | | | | | | | | | | | | | | | | | |
| Phone #: | | Fax #: | | Address: | | | | | | | | | | | | | | | | | | | | | |
| Project #: | | Project Owner: | | | | City: | | | | | | | | | | | | | | | | | | | |
| Project Name: PLU PC #17 Federal H-1 | | | | | | State: | | | | | | | | | | | | | | | | Zip: | | | |
| Project Location: Eddie County | | | | | | Phone #: | | | | | | | | | | | | | | | | | | | |
| Sampler Name: Luis Gonzalez | | | | | | Fax #: | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lab I.D. | | Sample I.D. | | | | (G/RAB OR C)OMP | | # CONTAINERS | | MATRIX | | PRESERV. | | SAMPLING | | | | | | | | | | | |
| H400369-01 | | West side of Pyle | | | | G | | L | | GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER | | ACID/BASE ICE / COOL OTHER | | DATE TIME | | | | | | | | | | | |
| | | | | | | | | | | | | | | 2/5 2:30pm | | | | | | | | | | | |

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 the client for the 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 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's subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

| | | | | | | | |
|--|--|--|--|--|--|--|--|
| Relinquished By: <u>Luis Gonzalez</u> Relinquished By: _____ | | Date: <u>2/5/14</u> Time: <u>4:37pm</u> Date: _____ Time: _____ | | Received By: <u>[Signature]</u> Received By: _____ Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> | | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: _____ Add'l Fax #: _____ REMARKS: <u>Rush</u> <u>email: Jody Walters</u> <u>Amey Ruth</u> | |
| Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____ | | 1.6°C | | CHECKED BY: (Initials) <u>KP</u> | | | |

February 14, 2014

JODY WALTERS

Bass Enterprises

522 W. Mermod #709

Carlsbad, NM 88220

RE: PLU PC 17 FED #1

Enclosed are the results of analyses for samples received by the laboratory on 02/13/14 8:00.

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited 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

Analytical Results For:

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

Received: 02/13/2014
Reported: 02/14/2014
Project Name: PLU PC 17 FED #1
Project Number: NOT GIVEN
Project Location: EDDY COUNTY, NM

Sampling Date: 02/12/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

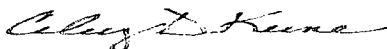
Sample ID: COMPOSITE #1 (H400433-01)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|-------------------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 02/13/2014 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | | mg/kg | | Analyzed By: ms | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 02/13/2014 | ND | 198 | 98.9 | 200 | 12.2 | |
| DRO >C10-C28 | <10.0 | 10.0 | 02/13/2014 | ND | 195 | 97.5 | 200 | 9.27 | |
| EXT DRO >C28-C35 | <10.0 | 10.0 | 02/13/2014 | ND | | | | | |
| | | | | | | | | | |
| Surrogate: 1-Chlorooctane | 106 % | 65.2-140 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 105 % | 63.6-154 | | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

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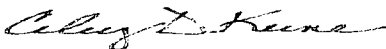
Celey D. Keene, Lab Director/Quality Manager

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 |

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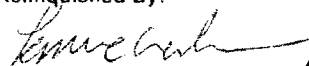





Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

| | | | | | | | | | | | | | | | | | | | | | |
|---|--|--|--|--|--|---|--|---|--|--------------|--|--|--|--|--|--|--|--|--|--|--|
| Company Name: BOPCO Project Manager: Jody Walters Address: City: State: Zip: Phone #: Fax #: Project #: Project Owner: Project Name: PC 17 Edith Project Location: Eddy, NM Sampler Name: Lance Crenshaw | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | | | |
| | | | | P.O. #: Company: BOPCO Attn: Jody Address: City: State: Zip: Phone #: Fax #: | | | | | | | | | | | | | | | | | |
| Lab I.D. H400433-01 | | Sample I.D. Composite #1 | | MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER | | PRESERV. ACID/BASE ICE / COOL OTHER | | SAMPLING DATE TIME 2-12-14 9:10 | | CL 8015 m | | | | | | | | | | | |

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| | | | | | |
|---|--|--|--|--|--|
| Relinquished By:  Relinquished By:  Delivered By: (Circle One) Sampler - UFS - Bus - Other: | | Date: 2-12-14 Time: 4:36 Received By:  Date: 2-13-14 Time: 8:00 Received By:  | | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: REMARKS: email results: arrived 1/15/14 for com 575-111-1111 Bus Port. com  | |
| | | Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No -2.4°C | | CHECKED BY: (Initials)  | |

February 17, 2014

JODY WALTERS

Bass Enterprises

522 W. Mermod #709

Carlsbad, NM 88220

RE: PLU PIERCE CANYON 17 FED #1 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 02/14/14 15:25.

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited 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,



Mike Snyder

Organic Supervisor

Analytical Results For:

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

| | | | |
|-------------------|------------------------------------|---------------------|---------------|
| Received: | 02/14/2014 | Sampling Date: | 02/14/2014 |
| Reported: | 02/17/2014 | Sampling Type: | Soil |
| Project Name: | PLU PIERCE CANYON 17 FED #1 BATTEF | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | EDDY COUNTY, NM | | |

Sample ID: STOCKPILE #2 (H400458-01)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 02/17/2014 | ND | 2.30 | 115 | 2.00 | 4.42 | |
| Toluene* | <0.050 | 0.050 | 02/17/2014 | ND | 2.26 | 113 | 2.00 | 3.72 | |
| Ethylbenzene* | <0.050 | 0.050 | 02/17/2014 | ND | 2.26 | 113 | 2.00 | 4.50 | |
| Total Xylenes* | <0.150 | 0.150 | 02/17/2014 | ND | 6.55 | 109 | 6.00 | 4.12 | |
| Total BTEX | <0.300 | 0.300 | 02/17/2014 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PIE) 104 % 89.4-126

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 256 | 16.0 | 02/17/2014 | ND | 416 | 104 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: ms | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 02/14/2014 | ND | 193 | 96.6 | 200 | 1.28 | |
| DRO >C10-C28 | 405 | 10.0 | 02/14/2014 | ND | 178 | 88.9 | 200 | 4.42 | |
| EXT DRO >C28-C35 | 112 | 10.0 | 02/14/2014 | ND | | | | | |

Surrogate: 1-Chlorooctane 107 % 65.2-140

Surrogate: 1-Chlorooctadecane 116 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Mike Snyder, Organic Supervisor

Notes and Definitions

| | |
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Mike Snyder, Organic Supervisor



† Cardinal cannot accept verbal changes. Please fax written changes to:

Appendix VI

FINAL FORM C-141

Diversified Field Service, Inc.
3412 N. Dal Paso
Hobbs, NM 88240
(575) 964-8394

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

State of New Mexico
 Energy Minerals and Natural Resources

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

SEP 22 2014

Form C-141
 Revised August 8, 2011

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

RECEIVED

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

| | |
|---|---|
| Name of Company: BOPCO, L.P. | Contact: Tony Savoie |
| Address: 522 W. Mermod, Suite 704 Carlsbad, N.M. 88220 | Telephone No. 575-887-7329 |
| Facility Name: PLU Peirce Canyon 17 Federal #1H (2RP-1266) | Facility Type: Exploration and Production |

| | | |
|------------------------|------------------------|----------------------|
| Surface Owner: Federal | Mineral Owner: Federal | API No. 30-015-36635 |
|------------------------|------------------------|----------------------|

LOCATION OF RELEASE

| | | | | | | | | |
|------------------|---------------|-----------------|--------------|----------------------|---------------------------|----------------------|------------------------|----------------|
| Unit Letter P | Section 17 | Township 25S | Range 30E | Feet from the 350 | North/South Line South | Feet from the 350 | East/West Line East | County Eddy |
|------------------|---------------|-----------------|--------------|----------------------|---------------------------|----------------------|------------------------|----------------|

Latitude N 32.123902 Longitude W 103.896282

NATURE OF RELEASE

| | | |
|--|--|---|
| Type of Release: Crude Oil | Volume of Release: 10 bbls. | Volume Recovered: None |
| Source of Release: A 3" line going from the process vessels to the tanks. | Date and Hour of Occurrence: 7/31/12 Approximately 12:00 p.m. | Date and Hour of Discovery: 7/31/12 at 2:20 p.m. |
| Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom? Jim Amos BLM | |
| By Whom? Tony Savoie | Date and Hour: 7/31/12 2:27 p.m. | |
| Was a Watercourse Reached? <input type="checkbox"/> Yes <input type="checkbox"/> No | If YES, Volume Impacting the Watercourse. | |

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

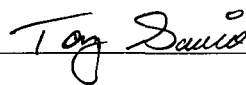
A 3" line going from the heater to the tanks split at a seam in the pipe. The entire section of pipe was replaced.

Describe Area Affected and Cleanup Action Taken.*

The split was on top of the pipe, the released fluid misted an area covering approximately 36,000 sq.ft. There was less than 1/4" of soil saturation out to a distance of 300 ft. from the release point. The vegetation had a very slight mist out to a total distance of 420 ft. The area affected appears to have been a frak pond used during the drilling operations. The reclaimed area measured approximately 375 ft. East by West and 510 ft. North by South. The affected area will be remediated in accordance to the NMOCD and BLM guidelines.

DFSI was retained by BOPCO, L.P. during a time frame of 12/2/13 to 2/18/14, approximately 60 cubic yards of soil was hauled to Lea Land. Reference the Site Closure Report dated 6/17/14.

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: Tony Savoie | | Approved by Environmental Specialist: | |
| Title: Waste Management and Remediation Specialist | | Approval Date: | Expiration Date: |
| E-mail Address: tasavoie@basspet.com | | Conditions of Approval: | Attached <input type="checkbox"/> |
| Date: 9/19/14 | Phone: 432-556-8730 | | |

* Attach Additional Sheets If Necessary