

February 5, 2014

AMARILLO
921 North Bivins
Amarillo, Texas 79107
Phone 806.467.0607
Fax 806.467.0622

Mr. Mike Bratcher
NMOCD District 2
811 S. 1st Street
Artesia, NM 88210

ARTESIA
408 West Texas Ave.
Artesia, New Mexico 88210
Phone 575.746.8768
Fax 575.748.8905

Subject: **Soil Assessment and Remediation Work Plan**
Devon Energy Corp.
Black Jack 1 Federal No. 4H
API # 30-015-37065 2RP-1978

HOBBS
318 East Taylor Street
Hobbs, New Mexico 88241
Phone 505.393.4261
Fax 505.393.4658

Dear Mr. Bratcher,

MIDLAND
2901 State Highway 349
Midland, Texas 79706
Phone 432.522.2133
Fax 432.522.2180

Devon Energy has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced Black Jack 1 Federal No. 4H release. The results of our soil assessment and proposed remediation activities consist of the following:

OKLAHOMA CITY
7700 North Hudson Ave
Suite 10
Oklahoma City, Oklahoma 73116
Phone 405.486.7030
Fax 806.467.0622

Incident Date

October 3, 2013

SAN ANTONIO
13111 Lookout Way
San Antonio, TX 78233
Phone 210.265.8025
Fax 210.568.2191

Background Information

The Black Jack 1 Federal No. 4H is located approximately thirty-seven (37) miles southeast of Carlsbad, New Mexico. The legal location for the site is Section 1, Township 24 South and Range 30 East in Eddy County, New Mexico. More Specifically the latitude and longitude for the release are 32.2407998 North and - 103.835714 West.

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services, the soil in this area is made up of Tonuco loamy fine sand with 0 to 3 percent slopes. Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology, Paleozoic Age sedimentary deposits, is comprised of the Salado formations which include loamy alluvium and eolian sands underlain by petrocalcic soils and hard caliche. The New Mexico State Engineer web site indicates the nearest ground water data to be in S34-T23S-R30E. The ground water in Section 34 is reported to be a depth of 440' below ground surface (bgs). The referenced groundwater data is presented in Appendix I.

The ranking for this site is 0 based on the as following:

| | |
|--------------------------------|--------|
| Depth to ground water | >100' |
| Wellhead Protection Area | >1000' |
| Distance to surface water body | >1000' |

ENVIRONMENTAL CONSULTING
ENGINEERING
DRILLING
CONSTRUCTION
SPILL MANAGEMENT
GENERAL CONTRACTING

Toll Free: 866.742.0742
www.talonlpe.com

Incident Description

On October 3, 2013 a flow line was found to be leaking. The leak occurred on a steep incline in the middle of the pasture, releasing 2 barrels of produced water and 8 barrels of oil. The line was shut in and a vacuum truck was immediately called to the location. The poly line was subsequently replaced. The vacuum truck recovered 0.5 barrels of produced water and 0.5 barrels of oil.

Actions Taken

On October 31, 2013 Talon/LPE mobilized personnel to begin the site assessment and soil sampling for the construction of a work plan. Grab soil samples were collected utilizing a hand auger to a depth of 2-feet below ground surface. Soil sample locations are illustrated on the attached site plan.

On December 12, 2013 Talon returned to the site for additional vertical delineation. Grab soil samples were collected utilizing a trackhoe to a depth of 15-feet deep.

All soil samples were collected by Talon personnel wearing clean nitrile gloves. The soil samples were placed in laboratory provided sample containers, iced and transported to Cardinal Laboratories in Hobbs, New Mexico for analysis. The samples were tested for TPH (Total Petroleum Hydrocarbons) using EPA Method 8015M, and volatile organics (BTEX) using EPA Method 8021B. The chloride samples were analyzed per method SM4500Cl-B. The complete laboratory reports are attached as Appendix II.

Analytical Results

Analytical results received from Cardinal Laboratories are summarized below:

November 13, 2013

| <u>Sample</u> | <u>Depth</u> | <u>BTEX</u> | <u>TPH</u> | <u>Chlorides (mg/kg)</u> |
|---------------|--------------|-------------|------------|--------------------------|
| S-1 | 1' | <0.300 | 439 | 12000 |
| | 2' | 0.548 | 1131.1 | 12000 |
| S-2 | 1' | <0.300 | <10 | 10100 |
| | 2' | 0.355 | 335.4 | 9460 |
| S-3 | 1' | <0.300 | 15.6 | 13600 |
| | 2' | 0.465 | 817.5 | 12700 |
| S-4 | 1' | 0.387 | 123.2 | 17400 |
| | 2' | <0.300 | 32 | 12400 |
| S-5 | 1' | <0.300 | <10 | <16 |
| | 2' | <0.300 | <10 | <16 |

December 20, 2013

| <u>Sample</u> | <u>Depth</u> | <u>BTEX</u> | <u>TPH</u> | <u>Chlorides (mg/kg)</u> |
|---------------|--------------|-------------|------------|--------------------------|
| TP-1 | 5' | -- | -- | 672 |
| | 10' | -- | -- | 32 |
| | 15' | -- | -- | 64 |
| TP-2 | 5' | -- | -- | <16 |
| | 10' | -- | -- | 64 |
| | 15' | -- | -- | 48 |

--Analyte Not Tested

For this site's ranking, New Mexico Oil Conservation District action level criterion for BTEX is 50 mg/kg, Benzene is 10 mg/kg and TPH is 5,000 mg/kg. The chloride remediation standard is considered to be 1,000 mg/kg.

Summary

- Ground water in the project vicinity is 440-feet below land surface per the New Mexico State Engineer Database.
- Based on the depth to groundwater, it is unlikely that the impacts identified from this release will pose a threat to groundwater after proposed remediation activities are complete.

Proposed Remedial Actions

- The impacted area between sample locations S-1 and S-2 will be excavated to a depth of 3-feet deep. The impacted area between sample locations S-3 and S-4 will be excavated to a depth of 2.5-feet deep. The excavated soil will be transported to a NMOCD approved solid waste disposal facility.
- The bottom and sidewalls of the excavation will be tested for chlorides using the field titration method to guide the excavation process.
- The excavated area will be backfilled to grade using new material transported from a local borrow pit and contoured to match existing location.
- A final report documenting all field activities and lab reports will be provided to the NMOCD Artesia Office including Form C-141.

Should you have any questions or if further information is required, please do not hesitate to contact our office at 575.746.8768.

Respectfully submitted,

TALON/LPE

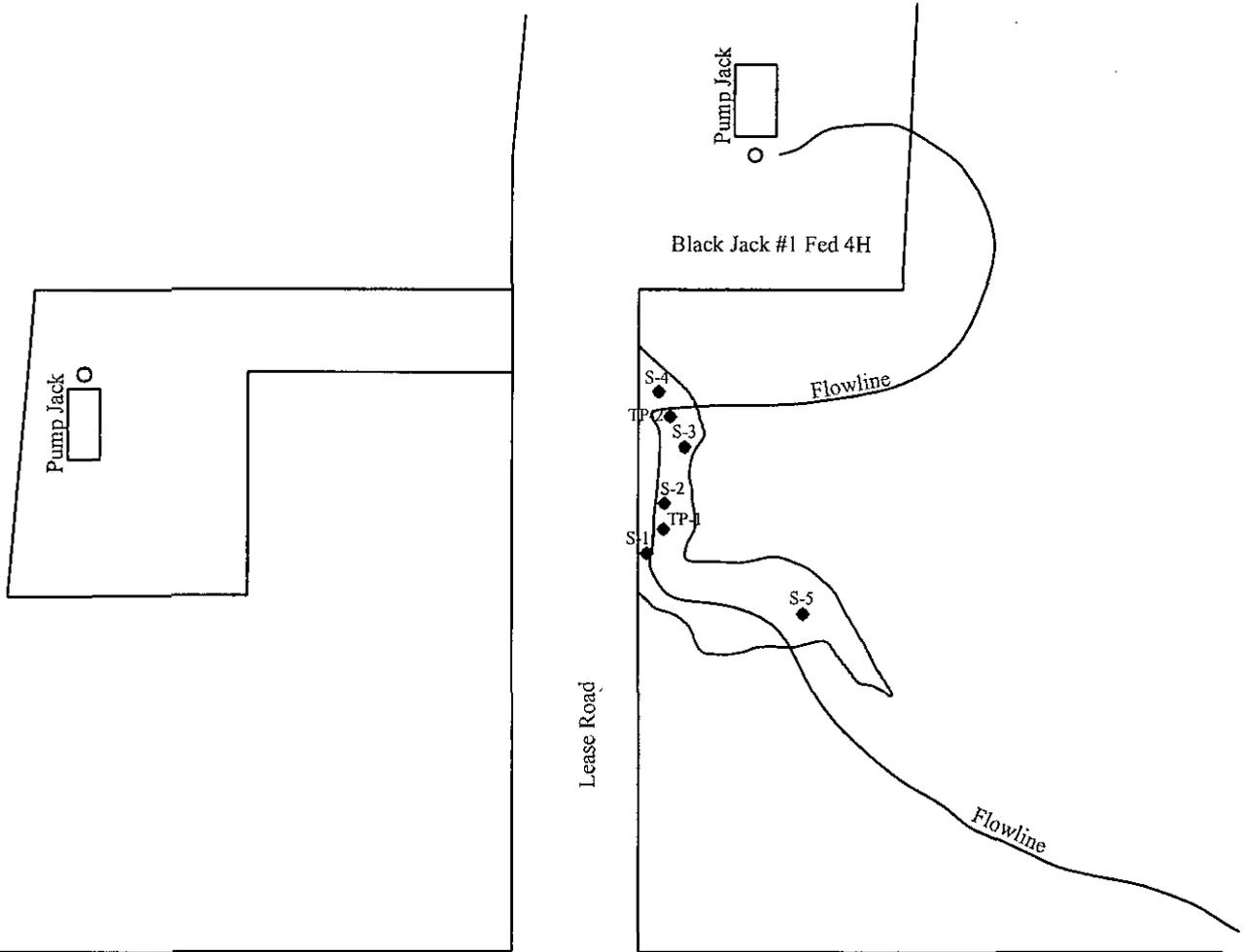


Kimberly M. Wilson
Project Manager



David J. Adkins
District Manager

SITE MAP



Twin Wells Road



Legend

- ◆ - Sample Location
- ~ - Visually Impacted Area



Date: 01/08/2014
 Scale: NTS
 Drawn By: TJS

Black Jack #1 Fed 4H
 Devon Energy Corporation
 Eddy County, New Mexico
 Figure 1 - Site Plan

APPENDIX I
GROUNDWATER DATA
INITIAL C-141



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

| POD Number | POD Sub-Code | basin | County | Q 64 | Q 16 | Q 4 | Sec | Tws | Rng | X | Y | Distance | Depth Well | Depth Water | Water Column |
|------------|--------------|-------|--------|------|------|-----|-----|-----|-----|--------|----------|----------|------------|-------------|--------------|
| C 02095 | | | ED | 2 | 3 | 34 | 23S | 30E | | 606337 | 3569759* | 3623 | 554 | 440 | 114 |
| C 02780 | | | ED | 2 | 3 | 2 | 23 | 24S | 30E | 608535 | 3563857* | 3907 | 505 | | |

Average Depth to Water: **440 feet**

Minimum Depth: **440 feet**

Maximum Depth: **440 feet**

Record Count: 2

UTMNAD83 Radius Search (in meters):

Easting (X): 609310

Northing (Y): 3567687

Radius: 4000

*UTM location was derived from PLSS - see Help

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

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

RECEIVED
Date of New Mexico
Energy Minerals and Natural Resources
OCT 07 2013
Oil Conservation Division
NMOC ARTESIA
2208 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/398128519

| | | | |
|---|---------------|--|---------------------------------------|
| OPERATOR | | <input checked="" type="checkbox"/> Initial Report | <input type="checkbox"/> Final Report |
| Name of Company Devon Energy <i>6137</i> | | Contact Dan Suniga | |
| Address PO Box 250 Artesia, NM 88211 | | Telephone No. 575-390-5850 | |
| Facility Name Black Jack 1 Fed 4H | | Facility Type Oil | |
| Surface Owner | Mineral Owner | API No. 30-015-37065 | |

LOCATION OF RELEASE

| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|-------------|----------|------------|------------|---------------|------------------|---------------|----------------|-------------|
| N | 1 | 24S | 30E | 330 | SOUTH | 2230 | WEST | EDDY |

Latitude: 32.2405799853399 Longitude: -103.835714231733

NATURE OF RELEASE

| | | |
|--|---|--|
| Type of Release: Spill | Volume of Release 8bbl Oil/2bbl PW | Volume Recovered 1/2bbl Oil - 1/2bbl PW |
| Source of Release: Flow line leak | Date and Hour of Occurrence 10/3/13 09:00am | Date and Hour of Discovery 10/3/13 09:00am |
| Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom? Matt Howell-Lease Operator Dan Suniga-Foreman Don Mayberry-Superintendent Scott Poe-EHS Mike Brasher-NMOCD Kim Ames-BLM | |
| By Whom? Hubert Perry | Date and Hour: 10/3/13 10:30am | |
| Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | If YES, Volume Impacting the Watercourse. | |

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

Approximately 9 am October 3rd Supervisor for the Black Jack 1 Fed 4H was contacted by Banta gang and informed him of a flow line leak on top of the pipe. Supervisor advised to shut well in and isolate area because of cattle in the pasture.

Describe Area Affected and Cleanup Action Taken.*

It occurred on a steep incline therefore the area affected was 466ft x 2ft due to it flowing down the side of the incline. 8bbls PW and 2bbls Oil were spilled. Notified vacuum truck to pick up spill (1/2bbl PW/ and 1/2bbl of Oil recovered) and contacted all necessary personnel.

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: <i>Veronica Teel</i> | OIL CONSERVATION DIVISION | |
| Printed Name: Veronica Teel | Approved by Environmental Specialist: | <i>[Signature]</i> |
| Title: Field Admin Support | Approval Date: OCT 08 2013 | Expiration Date: |
| E-mail Address: Veronica.Teel@dvn.com | Conditions of Approval: Remediation per OCD Rule & Guidelines, & like approval by BLM. SUBMIT REMEDIATION | Attached <input type="checkbox"/> |
| Date: October 3, 2013 Phone: 575-748-9933 | PROPOSAL NO LATER THAN: November 8, 2013 | |

* Attach Additional Sheets If Necessary

2RP-1978

APPENDIX II
LABORATORY RESULTS



November 13, 2013

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: BLACKJACK 1 FEDERAL #4H

Enclosed are the results of analyses for samples received by the laboratory on 11/04/13 15:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 TALON LPE
 DAVID ADKINS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

| | | | |
|-------------------|-------------------------|---------------------|---------------|
| Received: | 11/04/2013 | Sampling Date: | 10/31/2013 |
| Reported: | 11/13/2013 | Sampling Type: | Soil |
| Project Name: | BLACKJACK 1 FEDERAL #4H | Sampling Condition: | Cool & Intact |
| Project Number: | 700794.076.01 | Sample Received By: | Jodi Henson |
| Project Location: | N-1-24-30 | | |

Sample ID: S-1 1' (H302684-01)

| 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 | 11/07/2013 | ND | 2.20 | 110 | 2.00 | 6.58 | |
| Toluene* | <0.050 | 0.050 | 11/07/2013 | ND | 2.24 | 112 | 2.00 | 7.60 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/07/2013 | ND | 2.28 | 114 | 2.00 | 7.83 | |
| Total Xylenes* | <0.150 | 0.150 | 11/07/2013 | ND | 6.83 | 114 | 6.00 | 8.29 | |
| Total BTEX | <0.300 | 0.300 | 11/07/2013 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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 | 12000 | 16.0 | 11/06/2013 | 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 | 11/05/2013 | ND | 209 | 105 | 200 | 3.08 | |
| DRO >C10-C28 | 439 | 10.0 | 11/05/2013 | ND | 215 | 107 | 200 | 3.07 | |

Surrogate: 1-Chlorooctane 92.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 104 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 TALON LPE
 DAVID ADKINS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

| | | | |
|-------------------|-------------------------|---------------------|---------------|
| Received: | 11/04/2013 | Sampling Date: | 10/31/2013 |
| Reported: | 11/13/2013 | Sampling Type: | Soil |
| Project Name: | BLACKJACK 1 FEDERAL #4H | Sampling Condition: | Cool & Intact |
| Project Number: | 700794.076.01 | Sample Received By: | Jodi Henson |
| Project Location: | N-1-24-30 | | |

Sample ID: S-1 2' (H302684-02)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | S-04 | |
|-----------------------|--------------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 11/07/2013 | ND | 2.20 | 110 | 2.00 | 6.58 | |
| Toluene* | <0.050 | 0.050 | 11/07/2013 | ND | 2.24 | 112 | 2.00 | 7.60 | |
| Ethylbenzene* | 0.098 | 0.050 | 11/07/2013 | ND | 2.28 | 114 | 2.00 | 7.83 | |
| Total Xylenes* | 0.450 | 0.150 | 11/07/2013 | ND | 6.83 | 114 | 6.00 | 8.29 | |
| Total BTEX | 0.548 | 0.300 | 11/07/2013 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 138 % 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 | 12000 | 16.0 | 11/06/2013 | 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 | 21.1 | 10.0 | 11/05/2013 | ND | 209 | 105 | 200 | 3.08 | |
| DRO >C10-C28 | 1110 | 10.0 | 11/05/2013 | ND | 215 | 107 | 200 | 3.07 | |

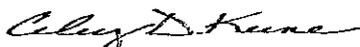
Surrogate: 1-Chlorooctane 103 % 65.2-140

Surrogate: 1-Chlorooctadecane 146 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 TALON LPE
 DAVID ADKINS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

| | | | |
|-------------------|-------------------------|---------------------|---------------|
| Received: | 11/04/2013 | Sampling Date: | 10/31/2013 |
| Reported: | 11/13/2013 | Sampling Type: | Soil |
| Project Name: | BLACKJACK 1 FEDERAL #4H | Sampling Condition: | Cool & Intact |
| Project Number: | 700794.076.01 | Sample Received By: | Jodi Henson |
| Project Location: | N-1-24-30 | | |

Sample ID: S-2 1' (H302684-03)

| 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 | 11/07/2013 | ND | 2.20 | 110 | 2.00 | 6.58 | | |
| Toluene* | <0.050 | 0.050 | 11/07/2013 | ND | 2.24 | 112 | 2.00 | 7.60 | | |
| Ethylbenzene* | <0.050 | 0.050 | 11/07/2013 | ND | 2.28 | 114 | 2.00 | 7.83 | | |
| Total Xylenes* | <0.150 | 0.150 | 11/07/2013 | ND | 6.83 | 114 | 6.00 | 8.29 | | |
| Total BTEX | <0.300 | 0.300 | 11/07/2013 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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 | 10100 | 16.0 | 11/06/2013 | 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 | 11/05/2013 | ND | 209 | 105 | 200 | 3.08 | | |
| DRO >C10-C28 | <10.0 | 10.0 | 11/05/2013 | ND | 215 | 107 | 200 | 3.07 | | |

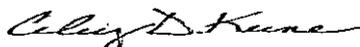
Surrogate: 1-Chlorooctane 96.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 104 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 TALON LPE
 DAVID ADKINS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

| | | | |
|-------------------|-------------------------|---------------------|---------------|
| Received: | 11/04/2013 | Sampling Date: | 10/31/2013 |
| Reported: | 11/13/2013 | Sampling Type: | Soil |
| Project Name: | BLACKJACK 1 FEDERAL #4H | Sampling Condition: | Cool & Intact |
| Project Number: | 700794.076.01 | Sample Received By: | Jodi Henson |
| Project Location: | N-1-24-30 | | |

Sample ID: S-2 2' (H302684-04)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | S-04 | |
|-----------------------|--------------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 11/08/2013 | ND | 2.15 | 107 | 2.00 | 0.550 | |
| Toluene* | <0.050 | 0.050 | 11/08/2013 | ND | 2.18 | 109 | 2.00 | 0.818 | |
| Ethylbenzene* | 0.061 | 0.050 | 11/08/2013 | ND | 2.23 | 112 | 2.00 | 1.48 | |
| Total Xylenes* | 0.294 | 0.150 | 11/08/2013 | ND | 6.72 | 112 | 6.00 | 2.51 | |
| Total BTEX | 0.355 | 0.300 | 11/08/2013 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 130 % 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 | 9460 | 16.0 | 11/06/2013 | 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 | 10.4 | 10.0 | 11/05/2013 | ND | 209 | 105 | 200 | 3.08 | |
| DRO >C10-C28 | 325 | 10.0 | 11/05/2013 | ND | 215 | 107 | 200 | 3.07 | |

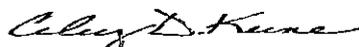
Surrogate: 1-Chlorooctane 93.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 110 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 TALON LPE
 DAVID ADKINS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

| | | | |
|-------------------|-------------------------|---------------------|---------------|
| Received: | 11/04/2013 | Sampling Date: | 10/31/2013 |
| Reported: | 11/13/2013 | Sampling Type: | Soil |
| Project Name: | BLACKJACK 1 FEDERAL #4H | Sampling Condition: | Cool & Intact |
| Project Number: | 700794.076.01 | Sample Received By: | Jodi Henson |
| Project Location: | N-1-24-30 | | |

Sample ID: S-3 1' (H302684-05)

| 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 | 11/08/2013 | ND | 2.15 | 107 | 2.00 | 0.550 | |
| Toluene* | <0.050 | 0.050 | 11/08/2013 | ND | 2.18 | 109 | 2.00 | 0.818 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/08/2013 | ND | 2.23 | 112 | 2.00 | 1.48 | |
| Total Xylenes* | <0.150 | 0.150 | 11/08/2013 | ND | 6.72 | 112 | 6.00 | 2.51 | |
| Total BTEX | <0.300 | 0.300 | 11/08/2013 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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 | 13600 | 16.0 | 11/06/2013 | 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 | 11/05/2013 | ND | 209 | 105 | 200 | 3.08 | |
| DRO >C10-C28 | 15.6 | 10.0 | 11/05/2013 | ND | 215 | 107 | 200 | 3.07 | |

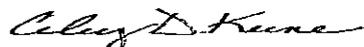
Surrogate: 1-Chlorooctane 102 % 65.2-140

Surrogate: 1-Chlorooctadecane 109 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 TALON LPE
 DAVID ADKINS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

| | | | |
|-------------------|-------------------------|---------------------|---------------|
| Received: | 11/04/2013 | Sampling Date: | 10/31/2013 |
| Reported: | 11/13/2013 | Sampling Type: | Soil |
| Project Name: | BLACKJACK 1 FEDERAL #4H | Sampling Condition: | Cool & Intact |
| Project Number: | 700794.076.01 | Sample Received By: | Jodi Henson |
| Project Location: | N-1-24-30 | | |

Sample ID: S-3 2' (H302684-06)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | S-04 | |
|----------------|--------------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 11/08/2013 | ND | 2.15 | 107 | 2.00 | 0.550 | |
| Toluene* | <0.050 | 0.050 | 11/08/2013 | ND | 2.18 | 109 | 2.00 | 0.818 | |
| Ethylbenzene* | 0.083 | 0.050 | 11/08/2013 | ND | 2.23 | 112 | 2.00 | 1.48 | |
| Total Xylenes* | 0.382 | 0.150 | 11/08/2013 | ND | 6.72 | 112 | 6.00 | 2.51 | |
| Total BTEX | 0.465 | 0.300 | 11/08/2013 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PIL) 133 % 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 | 12700 | 16.0 | 11/06/2013 | 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 | 53.5 | 10.0 | 11/05/2013 | ND | 209 | 105 | 200 | 3.08 | |
| DRO >C10-C28 | 764 | 10.0 | 11/05/2013 | ND | 215 | 107 | 200 | 3.07 | |

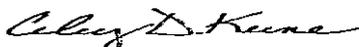
Surrogate: 1-Chlorooctane 114 % 65.2-140

Surrogate: 1-Chlorooctadecane 123 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 TALON LPE
 DAVID ADKINS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

| | | | |
|-------------------|-------------------------|---------------------|---------------|
| Received: | 11/04/2013 | Sampling Date: | 10/31/2013 |
| Reported: | 11/13/2013 | Sampling Type: | Soil |
| Project Name: | BLACKJACK 1 FEDERAL #4H | Sampling Condition: | Cool & Intact |
| Project Number: | 700794.076.01 | Sample Received By: | Jodi Henson |
| Project Location: | N-1-24-30 | | |

Sample ID: S-4 1' (H302684-07)

| 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 | 11/08/2013 | ND | 2.15 | 107 | 2.00 | 0.550 | |
| Toluene* | 0.090 | 0.050 | 11/08/2013 | ND | 2.18 | 109 | 2.00 | 0.818 | |
| Ethylbenzene* | 0.061 | 0.050 | 11/08/2013 | ND | 2.23 | 112 | 2.00 | 1.48 | |
| Total Xylenes* | 0.236 | 0.150 | 11/08/2013 | ND | 6.72 | 112 | 6.00 | 2.51 | |
| Total BTEX | 0.387 | 0.300 | 11/08/2013 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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 | 17400 | 16.0 | 11/06/2013 | 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 | 10.2 | 10.0 | 11/05/2013 | ND | 209 | 105 | 200 | 3.08 | |
| DRO >C10-C28 | 113 | 10.0 | 11/05/2013 | ND | 215 | 107 | 200 | 3.07 | |

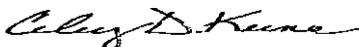
Surrogate: 1-Chlorooctane 98.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 104 % 63.6-154

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*=Accredited Analyte

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Analytical Results For:

 TALON LPE
 DAVID ADKINS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

| | | | |
|-------------------|-------------------------|---------------------|---------------|
| Received: | 11/04/2013 | Sampling Date: | 10/31/2013 |
| Reported: | 11/13/2013 | Sampling Type: | Soil |
| Project Name: | BLACKJACK 1 FEDERAL #4H | Sampling Condition: | Cool & Intact |
| Project Number: | 700794.076.01 | Sample Received By: | Jodi Henson |
| Project Location: | N-1-24-30 | | |

Sample ID: S-4 2' (H302684-08)

| 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 | 11/08/2013 | ND | 2.15 | 107 | 2.00 | 0.550 | | |
| Toluene* | <0.050 | 0.050 | 11/08/2013 | ND | 2.18 | 109 | 2.00 | 0.818 | | |
| Ethylbenzene* | <0.050 | 0.050 | 11/08/2013 | ND | 2.23 | 112 | 2.00 | 1.48 | | |
| Total Xylenes* | <0.150 | 0.150 | 11/08/2013 | ND | 6.72 | 112 | 6.00 | 2.51 | | |
| Total BTEX | <0.300 | 0.300 | 11/08/2013 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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 | 12400 | 16.0 | 11/06/2013 | 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 | 11/05/2013 | ND | 209 | 105 | 200 | 3.08 | | |
| DRO >C10-C28 | 32.0 | 10.0 | 11/05/2013 | ND | 215 | 107 | 200 | 3.07 | | |

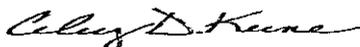
Surrogate: 1-Chlorooctane 97.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 103 % 63.6-154

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Analytical Results For:

 TALON LPE
 DAVID ADKINS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

| | | | |
|-------------------|-------------------------|---------------------|---------------|
| Received: | 11/04/2013 | Sampling Date: | 10/31/2013 |
| Reported: | 11/13/2013 | Sampling Type: | Soil |
| Project Name: | BLACKJACK 1 FEDERAL #4H | Sampling Condition: | Cool & Intact |
| Project Number: | 700794.076.01 | Sample Received By: | Jodi Henson |
| Project Location: | N-1-24-30 | | |

Sample ID: S-5 1' (H302684-09)

| 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 | 11/08/2013 | ND | 2.15 | 107 | 2.00 | 0.550 | | |
| Toluene* | <0.050 | 0.050 | 11/08/2013 | ND | 2.18 | 109 | 2.00 | 0.818 | | |
| Ethylbenzene* | <0.050 | 0.050 | 11/08/2013 | ND | 2.23 | 112 | 2.00 | 1.48 | | |
| Total Xylenes* | <0.150 | 0.150 | 11/08/2013 | ND | 6.72 | 112 | 6.00 | 2.51 | | |
| Total BTEX | <0.300 | 0.300 | 11/08/2013 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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 | <16.0 | 16.0 | 11/06/2013 | 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 | 11/05/2013 | ND | 209 | 105 | 200 | 3.08 | | |
| DRO >C10-C28 | <10.0 | 10.0 | 11/05/2013 | ND | 215 | 107 | 200 | 3.07 | | |

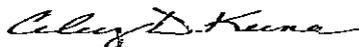
Surrogate: 1-Chlorooctane 96.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 98.3 % 63.6-154

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 TALON LPE
 DAVID ADKINS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

| | | | |
|-------------------|-------------------------|---------------------|---------------|
| Received: | 11/04/2013 | Sampling Date: | 10/31/2013 |
| Reported: | 11/13/2013 | Sampling Type: | Soil |
| Project Name: | BLACKJACK 1 FEDERAL #4H | Sampling Condition: | Cool & Intact |
| Project Number: | 700794.076.01 | Sample Received By: | Jodi Henson |
| Project Location: | N-1-24-30 | | |

Sample ID: S-5 2' (H302684-10)

| 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 | 11/08/2013 | ND | 2.15 | 107 | 2.00 | 0.550 | |
| Toluene* | <0.050 | 0.050 | 11/08/2013 | ND | 2.18 | 109 | 2.00 | 0.818 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/08/2013 | ND | 2.23 | 112 | 2.00 | 1.48 | |
| Total Xylenes* | <0.150 | 0.150 | 11/08/2013 | ND | 6.72 | 112 | 6.00 | 2.51 | |
| Total BTEX | <0.300 | 0.300 | 11/08/2013 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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 | <16.0 | 16.0 | 11/06/2013 | 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 | 11/05/2013 | ND | 209 | 105 | 200 | 3.08 | |
| DRO >C10-C28 | <10.0 | 10.0 | 11/05/2013 | ND | 215 | 107 | 200 | 3.07 | |

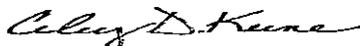
Surrogate: 1-Chlorooctane 103 % 65.2-140

Surrogate: 1-Chlorooctadecane 105 % 63.6-154

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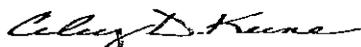
Notes and Definitions

- 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

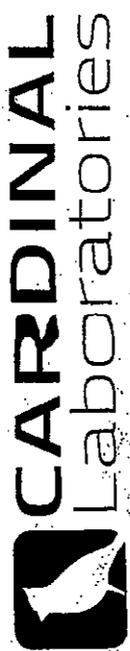
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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Main St, Hobbs, NM 88240
 (505) 393-2326 FAX (505) 393-2476

Company Name: Cardinal Labs State: NM Zip: 88240
 Project Manager: David Johnson Fax #: 505-393-2476
 Address: 408 W. Selma City: Alameda
 Phone #: 505-746-8968 Project Owner: John
 Project #: 700994.076.01 Project #44
 Project Name: Black Duck 1.3rd #44
 Project Location: N-174-30
 Sampler Name: Wade Barge

| FOR LAB USE ONLY | | PRESERV | | SAMPLING | |
|------------------|-------------|---------|------------|-------------|--------|
| Lab I.D. | Sample I.D. | OTHER: | ACID/BASE: | ICE / COOL: | OTHER: |
| 1 | S-2 Z | | | | |
| 2 | S-2 Z | | | | |
| 3 | S-2 Z | | | | |
| 4 | S-2 Z | | | | |
| 5 | S-3 Z | | | | |
| 6 | S-3 Z | | | | |
| 7 | S-4 Z | | | | |
| 8 | S-4 Z | | | | |
| 9 | S-5 Z | | | | |
| 10 | S-5 Z | | | | |

| MATRIX | DATE | TIME |
|-------------|----------|------|
| GROUNDWATER | 10/31/13 | 1:52 |
| GROUNDWATER | 10/31/13 | 1:57 |
| GROUNDWATER | 10/31/13 | 2:04 |
| GROUNDWATER | 10/31/13 | 2:11 |
| GROUNDWATER | 10/31/13 | 2:19 |
| GROUNDWATER | 10/31/13 | 2:29 |
| GROUNDWATER | 10/31/13 | 2:33 |
| GROUNDWATER | 10/31/13 | 2:34 |
| GROUNDWATER | 10/31/13 | 3:32 |

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Received By: David Johnson Date: 11/14/13 Time: 3:05
 Received By: _____ Date: _____ Time: _____
 Delivered By: (Circle One) _____
 Sampler - UPS - Bus - Other: _____

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476 #54



December 20, 2013

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: BLACKJACK 1 FEDERAL #4H

Enclosed are the results of analyses for samples received by the laboratory on 12/13/13 14:40.

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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 TALON LPE
 DAVID ADKINS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

| | | | |
|-------------------|-------------------------|---------------------|---------------|
| Received: | 12/13/2013 | Sampling Date: | 12/12/2013 |
| Reported: | 12/20/2013 | Sampling Type: | Soil |
| Project Name: | BLACKJACK 1 FEDERAL #4H | Sampling Condition: | Cool & Intact |
| Project Number: | 700794.076.01 | Sample Received By: | Amanda Ponce |
| Project Location: | N-1-24-30 | | |

Sample ID: TP-1 5' (H303037-01)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 672 | 16.0 | 12/20/2013 | ND | 400 | 100 | 400 | 3.92 | | |

Sample ID: TP-1 10' (H303037-02)

| 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 | 12/20/2013 | ND | 400 | 100 | 400 | 3.92 | | |

Sample ID: TP-1 15' (H303037-03)

| 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 | 12/20/2013 | ND | 400 | 100 | 400 | 3.92 | | |

Sample ID: TP-2 5' (H303037-04)

| 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 | 12/20/2013 | ND | 400 | 100 | 400 | 3.92 | | |

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 TALON LPE
 DAVID ADKINS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

| | | | |
|-------------------|-------------------------|---------------------|---------------|
| Received: | 12/13/2013 | Sampling Date: | 12/12/2013 |
| Reported: | 12/20/2013 | Sampling Type: | Soil |
| Project Name: | BLACKJACK 1 FEDERAL #4H | Sampling Condition: | Cool & Intact |
| Project Number: | 700794.076.01 | Sample Received By: | Amanda Ponce |
| Project Location: | N-1-24-30 | | |

Sample ID: TP-2 10' (H303037-05)

| 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 | 12/20/2013 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: TP-2 15' (H303037-06)

| 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 | 12/20/2013 | ND | 400 | 100 | 400 | 3.92 | |

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

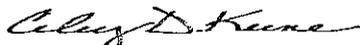
Notes and Definitions

| | |
|-----|--|
| 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 |

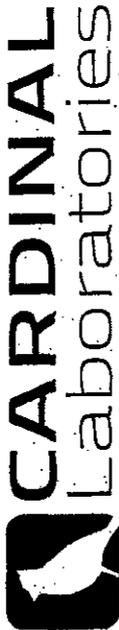
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Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | | | | |
|--|--|-----------------------|--|------------------|--|
| Company Name: <u>Valley LPE</u> | | P.O. #: | | ANALYSIS REQUEST | |
| Project Manager: <u>D. Adkins</u> | | Company: <u>Fulco</u> | | | |
| Address: <u>408 W. Texas</u> | | Attn: | | | |
| City: <u>Acton</u> | | Address: | | | |
| Phone #: <u>575 746 8768</u> | | City: | | | |
| State: <u>NM</u> | | State: | | | |
| Zip: <u>88215</u> | | Phone #: | | | |
| Project #: <u>700794.0101</u> | | Fax #: | | | |
| Project Owner: <u>Deane</u> | | | | | |
| Project Name: <u>Black Jack I Fd 4th</u> | | | | | |
| Project Location: | | | | | |
| Sampler Name: <u>G. Raza</u> | | | | | |

| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP | MATRIX | | | PRESERV | SAMPLING | DATE | TIME |
|----------|-------------|------------------|--------------|-------------|------------|---------|----------|-------|----------|
| | | | # CONTAINERS | GROUNDWATER | WASTEWATER | | | | |
| 1 | TP-15 | / | / | / | / | / | 12.28 | 10:32 | Chloride |
| 2 | TP-110 | / | / | / | / | / | 1:07 | | |
| 3 | TP-115 | / | / | / | / | / | 1:12 | | |
| 4 | TP-25 | / | / | / | / | / | 11:00 | | |
| 5 | TP-210 | / | / | / | / | / | 12:25 | | |
| 6 | TP-215 | / | / | / | / | / | 12:20 | | |

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Relinquished By: _____ Date: 12/13/13 Received By: _____
 Time: 4:40 Received By: _____
 Date: _____ Time: _____
 Relinquished By: _____
 Delivered By: Claris One
 Sampler - UPS - Bus - Other: 9. W.C. #SV

Sample Condition: Cool Intact Yes No
 Checked By: _____

Phone Result: Yes No Add'l Phone #: _____
 Fax Result: Yes No Add'l Fax #: _____

REMARKS: _____

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