Dirt Work \* On-Site Remediation

**Soil Testing** 

**Excavation** 

LINN ENERGY

CLOSURE SUMMARY

SKELLY UNIT #401

EDDY COUNTY, NEW MEXICO

UL/D SEC.28 T17S R31E

N.32.80919

W.-103.89303

**EDDY COUNTY** 

**START DATE: 4-22-13** 

FINISH DATE: 6-13-13

PREPARED BY: Oscar Frayre

**ENVIORNMENTAL TECHNICIAN** 

**HUNGRY HORSE ENVIORNMENTAL, LLC** 

P.O BOX 1058 HOBBS, NM 88241

(575) 393-3386

# RECEIVED NOV 0 8 2013 NMOCD ARTESIA

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| Attachment  | 1 | Overhead | View    |
|-------------|---|----------|---------|
| ALLGUINIEIL |   | Overneau | A IC AA |

Attachment 2 – Lab Analytical & Chain of Custody

Attachment 3 - One call

Attachment 4 – Photos of Progress

Attachment 5 - Site drawing

Attachment 6 - Initial/ Final C-141 and BLM Approvals

#### 1.0 Introduction

This report addresses the remediation of an accidental discharge of a flow line at the Skelly Unit 401 belonging to Linn Energy. Analytical results, an overhead map, and a sketch are included on this document as attachments. The project manager for Hungry Horse Environmental LLC Services was Oscar Frayre.

#### 2.0 Area Description

The top four feet is primarily fine sand. The depth to ground water is presumed to be at 300′-325′ based on the Eddy County depth to ground water map. There are no known water wells or surface bodies of water within a half of a mile of this location. This location is in Eddy County, New Mexico 0.5 miles south of HWY 82 and 0.1 miles east of CR 222 in Loco Hills.

#### 3.0 Remediation Process

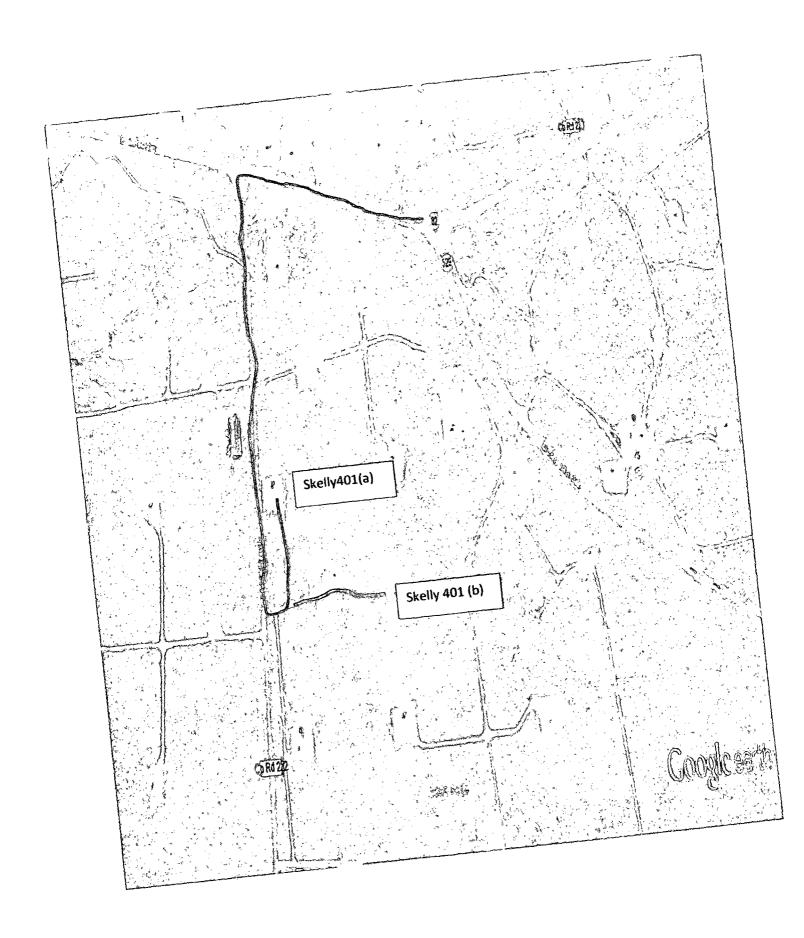
#### Skelly Unit #410(A)

We began the excavation process and due to heavy odors we continued to explore the soil by taking random soil samples and field testing for Chlorides. The area mainly consisted of fine sand with a heavy Hydrocarbon odor. In the excavation process the contamination did in fact decrease with depth with an area of 80'x20'x2.5. Soil samples were obtained and analyzed for Chlorides, TPH (8015m), and BTEX. Lab results were presented to BLM (Mike Burton) and approval was given to backfill the affected area with clean material and seed with BLM approved seed mixture. All the soil obtained from this area was transported to a division approved disposal facility.

#### Skelly Unit #401 (B)

In the initial process of the excavation the lithology of the soil had A definitive Hydrocarbon odor and color. The spread of the area is a 137'x 25'x 4' below ground surface. The contamination decreased with depth during the excavation process so then soil samples were obtained and analyzed for Chlorides, TPH (8015m), and BTEX. Lab results were presented to BLM (Mike Burton) and approval was given to backfill the affected area with clean material and seed with BLM approved seed mixture. All the soil obtained from this area was transported to a division approved disposal facility.

## Attachment 1



# Attachment 2



June 05, 2013

**OSCAR FRAYRE** 

**Hungry Horse Environmental** 

P.O. Box 1058

Hobbs, NM 88240

RE: SKELLY 401 (8)

Enclosed are the results of analyses for samples received by the laboratory on 06/04/13 14:45.

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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celeg Di Keene

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



**Hungry Horse Environmental** OSCAR FRAYRE P.O. Box 1058 Hobbs NM, 88240 (505) 391-4585

Fax To:

Received: Reported: 06/04/2013

Project Name:

06/05/2013 **SKELLY 401 (B)** NONE GIVEN

Project Number: Project Location:

NOT GIVEN

Sampling Date:

06/03/2013

Sampling Type: Sampling Condition: Soil Cool & Intact

Sample Received By:

Jodi Henson

#### Sample ID: NORTH WALL (H301306-01)

| BTEX 8260B                      | mg/     | kg              | Analyze    | d By: ¤S     |      |            |  |      |           |
|---------------------------------|---------|-----------------|------------|--------------|------|------------|--|------|-----------|
| Analyte                         | Result  | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC                          | RPD  | Qualifier |
| Benzene*                        | <0.050  | 0.050           | 06/05/2013 | ND           | 1.96 | 98.1       | 2.00                                   | 5.02 |           |
| Toluene*                        | < 0.050 | 0.050           | 06/05/2013 | ND           | 1.76 | 87.9       | 2.00                                   | 5.73 |           |
| Ethylbenzene*                   | < 0.050 | 0.050           | 06/05/2013 | ND           | 1.78 | 89.0       | 2.00                                   | 4.49 |           |
| Total Xylenes*                  | <0.150  | 0.150           | 06/05/2013 | ND           | 5.76 | 96.0       | 6.00                                   | 3.87 |           |
| Surrogate: Dibromofluoromethane | 103 9   | % 61.3-14       | 2          |              |      |            |  |      |           |
| Surrogate: Toluene-d8           | 96.6    | % 71.3-12       | 9          |              |      |            |  |      |           |
| Surrogate: 4-Bromofluorobenzene | 105     | % 65.7-14       | 1          |              |      |            |  |      |           |
| Chloride, SM4500CI-B            | mg      | /kg             | Analyze    | d By: DW     |      |            |  |      |           |
| Analyte                         | Result  | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC                          | RPD  | Qualifier |
| Chloride                        | 80.0    | 16.0            | 06/05/2013 | ND           | 432  | 108        | 400                                    | 0.00 |           |
| TPH 8015M                       | mg      | /kg             | Analyze    | d By: MS     |      |            | ······································ |      |           |
| Analyte                         | Result  | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC                          | RPD  | Qualifier |
| GRO C6-C10                      | <10.0   | 10.0            | 06/05/2013 | ND           | 195  | 97.6       | 200                                    | 1.42 |           |
| DRO >C10-C28                    | <10.0   | 10.0            | 06/05/2013 | ND           | 197  | 98.7       | 200                                    | 2.74 |           |
| Surrogate: 1-Chlorooctane       | 94.6    | % 65.2-14       | 10         |              |      |            |  |      |           |
| Surrogate: 1-Chlorooctadecane   | 102     | % 63.6-15       | 4          |              |      |            |  |      |           |

#### Cardinal Laboratories \*=Accredited Analyte

PLEASE NOTE: Usbilly and Compages. Control's bability and don'ts exclusive romothy for any darm around, written based in contract or tort, shall be familiar to the amount paid by deem for analysis. All cleams, including trace for negleptice and any other cause induced in white operation in the experimental paid of the experiment of the experiment control. In no event shall Control be battle for inducted or consequential damages, including, introduct instances, including instances, including instances, including instances, and in the performance of the services herounder by Control, negarities of including such of or reduced to the performance of the services herounder by Control, negarities of including such of or reduced to the performance of the services herounder by Control, negarities of including such of or reduced to the performance of the services herounder by Control, negarities and including such of or reduced to the performance of the services herounder by Control, negarities and including such of or reduced to the performance of the services herounder by Control, negarities and including such of the services herounder by Control, negarities and such or reduced to the performance of the services herounder by Control, negarities and such or reduced to the performance of the services herounder by Control, negarities and such or reduced to the performance of the services herounder by Control, negarities and such or reduced to the performance of the services herounder by Control and the performance of the services herounder by Control and the performance of the services herounder by Control and the performance of the services herounder by Control and the performance of the services herounder by Control and the performance of the services herounder by Control and the performance of the services herounder by Control and the performance of the services herounder by Control and the performance of the services herounder by Control and the performance of the services herounder by Control and the performance of claim is bized 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.

Celen & Keena



Hungry Horse Environmental OSCAR FRAYRE P.O. Box 1058 Hobbs NM, 88240

Fax To:

(505) 391-4585

Received:

06/04/2013

Reported:

06/05/2013

Project Name: Project Number: SKELLY 401 (B) NONE GIVEN

Project Location:

**NOT GIVEN** 

Sampling Date:

06/03/2013

Soil

Sampling Type:

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

#### Sample ID: SOUTH WALL (H301306-02)

| BTEX 82609                      | mg/     | kg              | Analyze    | d By: MS     |      |  |               |      |          |
|---------------------------------|---------|-----------------|------------|--------------|------|--|---------------|------|----------|
| Analyte                         | Result  | Reporting Limit | Anatyzed   | Method Blank | BS   | % Recovery                             | True Value QC | RPD  | Qualifie |
| Benzene*                        | < 0.050 | 0.050           | 06/05/2013 | ND           | 1.96 | 98.1                                   | 2.00          | 5.02 |          |
| Toluene*                        | <0.050  | 0.050           | 06/05/2013 | ND           | 1.76 | 87.9                                   | 2.00          | 5.73 |          |
| Ethylbenzene*                   | <0.050  | 0.050           | 06/05/2013 | ND           | 1.78 | 89.0                                   | 2.00          | 4.49 |          |
| Total Xylenes*                  | <0.150  | 0.150           | 06/05/2013 | ND           | 5.76 | 96.0                                   | 6.00          | 3.87 |          |
| Surrogate: Dibromofluoromethane | 98.6    | % 61.3-14       | 2          |              |      |  |               |      |          |
| Surrogate: Toluene-d8           | 95.1    | % 71.3-12       | ý          |              |      |  |               |      |          |
| Surrogate: 4-Bromofluorobenzene | 103 9   | 65.7-14         | 1          |              |      |  |               |      |          |
| Chloride, SM4500CI-8            | mg/     | kg              | Analyze    | d By: DW     |      |  |               | ···  |          |
| Analyte                         | Result  | Reporting Limit | Anatyzed   | Method Blank | BS   | % Recovery                             | True Value QC | RPD  | Qualifie |
| Chloride                        | 64.0    | 16.0            | 06/05/2013 | ND           | 432  | 108                                    | 400           | 0.00 |          |
| TPH 8015M                       | mg/     | kg              | Anatyze    | d By: MS     |      | ************************************** |               |      |          |
| Analyte                         | Result  | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery                             | True Value QC | RPD  | Qualifie |
| GRO C6-C10                      | <10.0   | 10.0            | 06/05/2013 | ND           | 195  | 97.6                                   | 200           | 1.42 |          |
| DRO >C10-C28                    | <10.0   | 10.0            | 06/05/2013 | ND           | 197  | 98.7                                   | 200           | 2.74 |          |
| Surrogate: 1-Chlorooctane       | 101 9   | % 65.2-14       | 0          |              |      |  |               |      |          |
| Surrogate: 1-Chlorooctadecane   | 107 9   | 63.6-15         | J          |              |      |  |               |      |          |

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\*=Accredited Analyte

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**Hungry Horse Environmental** OSCAR FRAYRE P.O. Box 1058 Hobbs NM, 88240

Fax To:

(505) 391-4585

Analyzed By: MS

MD

ND

ND

06/05/2013

06/05/2013

Received: Reported: 06/04/2013

06/05/2013

Project Name: Project Number:

BTEX 82608

Toluene\*

Ethylbenzene\*

**SKELLY 401 (B)** NONE GIVEN

mg/kg

Project Location:

**NOT GIVEN** 

< 0.050

< 0.050

Sampling Date:

06/03/2013

Sampling Type:

1.76

1.78

5.76

87.9

89.0

96.0

Soil

True Value QC

2.00

2.00

2.00

6.00

Sampling Condition:

Cool & Intact

RPD

5.02

5.73

4.49

3.87

Qualifier

Sample Received By:

Jodi Henson

Sample ID: EAST WALL (H301306-03)

Analyzed Method Blank BS Analyte Result Reporting Limit % Recovery Benzene\* 0.050 06/05/2013 ND 1.96 < 0.050 98.1

0.050

0.050

65.7-141

Total Xylenes\* <0.150 0.150 06/05/2013 Surrogate: Dibromofluoromethane 98.7% 61.3-142 Surrogate: Toluene-d8 96.1% 71.3-129

102 % Surrogate: 4-Bromofluorobenzene Chloride, SM4500CI-B mg/kg Analyzed By: DW

Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier 64.0 Chloride ND 432 400 16.0 06/05/2013 108 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 06/05/2013 ND 195 97.6 200 1.42 2.74 DRO >C10-C28 <10.0 10.0 06/05/2013 MD 197 98.7 200

98.7% 65.2-140 Surrogate: 1-Chlorooctane Surrogate: 1-Chlorooctadecane 103% 63.6-154

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Hungry Horse Environmental OSCAR FRAYRE P.O. Box 1058 Hobbs NM, 88240

Fax To:

(505) 391-4585

Received:

06/04/2013

Reported:

06/05/2013

Project Name: Project Number: SKELLY 401 (B) NONE GIVEN

Project Location:

**NOT GIVEN** 

Sampling Date:

06/03/2013

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: WEST WALL (H301306-04)

BTEX 8260B

mg/kg

Analyzed By: MS

| Analyte                         | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
|---------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Benzene*                        | <0.050 | 0.050           | 06/05/2013 | ND           | 1.96 | 98.1       | 2.00          | 5.02 |           |
| Toluene*                        | <0.050 | 0.050           | 06/05/2013 | ND           | 1.76 | 87.9       | 2.00          | 5.73 |           |
| Ethylbenzene*                   | <0.050 | 0.050           | 06/05/2013 | ND           | 1.78 | 89.0       | 2.00          | 4.49 |           |
| Total Xylenes*                  | <0.150 | 0.150           | 06/05/2013 | ND           | 5.76 | 96.0       | 6.00          | 3.87 |           |
| Surrogate: Dibromofluoromethane | 100    | % 61,3-14       | 2          |              |      |            |               |      |           |
| Surrogate: Toluene-d8           | 96.8   | % 71.3-12       | 9          |              |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene | 103    | % 65.7-14       | 1          |              |      |            |               |      |           |
| Cidoride, SM4500CI-8            | mg,    | /kg             | Analyze    | d By: DW     |      |            |               |      |           |
| Analyte                         | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                        | 64.0   | 16.0            | 06/05/2013 | ND           | 432  | 108        | 400           | 0.00 |           |
| TPH 8015M                       | mg     | /kg             | Analyza    | d By: MS     |      |            |               |      |           |
| Analyte                         | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10                      | <10.0  | 10.0            | 06/05/2013 | ND           | 195  | 97.6       | 200           | 1.42 |           |
| DRO >C10-C28                    | <10.0  | 10.0            | 06/05/2013 | ND           | 197  | 98.7       | 200           | 2.74 |           |
| Surrogate: 1-Chlorooctane       | 100    | % 65.2-14       | ro         |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane   | 107    | % 63.6-15       | 1          |              |      |            |               |      |           |

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\*=Accredited Analyte

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**Hungry Horse Environmental OSCAR FRAYRE** P.O. Box 1058 Hobbs NM, 88240

Fax To:

(505) 391-4585

Received: Reported: 06/04/2013

06/05/2013

**SKELLY 401 (B) NONE GIVEN** 

Project Number:

Project Name:

NOT GIVEN

Sampling Date:

Sample Received By:

06/03/2013

Sampling Type: Sampling Condition: Soil Cool & Intact

Jodi Henson

Project Location:

#### Sample ID: 5 PT BTM COMP @ 4' (H301306-05)

| BTEX 8260B                      | mg/    | kg              | Analyze    | d 9y: MS     |      | ·          |               |      |           |
|---------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                         | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                        | <0.050 | 0.050           | 06/05/2013 | ND           | 1.96 | 98.1       | 2.00          | 5.02 |           |
| Toluene*                        | <0.050 | 0.050           | 06/05/2013 | ND           | 1.76 | 87.9       | 2.00          | 5.73 |           |
| Ethylbenzene*                   | <0.050 | 0.050           | 06/05/2013 | ND           | 1.78 | 89.0       | 2.00          | 4.49 |           |
| Total Xylenes*                  | <0.150 | 0.150           | 06/05/2013 | ND           | 5.76 | 96.0       | 6.00          | 3.87 |           |
| Surrogate: Dibromofluoromethane | 99.9   | % 61.3-14       | 2          |              |      |            |               |      |           |
| Surrogate: Toluene-d8           | 95.9   | % 71.3-12       | 9          |              |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene | 105    | % 65.7-14       | 1          |              |      |            |               |      |           |
| Chloride, SM45GGCI-8            | mg/    | kg              | Analyze    | 4 BA: DM     |      |            | ···           |      |           |
| Analyte                         | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                        | 64.0   | 16.0            | 06/05/2013 | ND           | 432  | 108        | 400           | 0.00 |           |
| TPH 8015P4                      | mg,    | 'kg             | Analyze    | d By: MS     |      |            |               |      |           |
| Analyte                         | Result | Reporting Limit | Analyzed   | Method Blank | 8S   | % Recovery | True Value QC | RPD  | Qualifie  |
| GRO C6-C10                      | <10.0  | 10.0            | 06/05/2013 | МD           | 195  | 97.6       | 200           | 1.42 |           |
| DRO >C10-C28                    | <10.0  | 10.0            | 06/05/2013 | ND           | 197  | 98.7       | 200           | 2.74 |           |
| Surrogate: 1-Chlorooctane       | 105    | % 65.2-14       | 0          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane   | 112 9  | 63.6-15         | 1          |              |      |            |               |      |           |

#### Cardinal Laboratories

\*=Accredited Analyte

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Celen & Keina



ND

#### **Notes and Definitions**

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

Analyte NOT DETECTED at or above the reporting limit

Cardinal Laboratories \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's hishelf and closest endeave remedy for any darm aroung, whether based in control or tort, shall be tented to the amount paid by check for analyses. All claims, including those for nephysics and any other cases whateverse shall be deemed served unless made in writing and received by Cardinal eatins thank (30) days also completion of the applicable service. In no event shall Cardinal be label for moderatal or consequential damages, without principles, better intermediation, less of use or juried in visible such claims a based upon any of the stone stated receives or otherwise. Results relate with to the samples destinated cardinal control of the time stated receives or otherwise. Results relate with to the samples destinated cardinal control of the date stated receives or otherwise. Results relate with to the samples destinated cardinal control of the date stated receives or otherwise. Results relate with to the samples destinated cardinal car

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Warfand, Modes, NEI 88240 (876) 383-2326 FAX (676) 383-2476

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| 1981) That if the Son<br>open All the Species<br>when in professional Sc | වම් වැඩි වැඩි විසිට පිනිසුකි. පින්තිස් සිට ඉත් එමින් සෞඛන පසාල් මේ හැකි පරිතු මන්ඩා රියක්රි සම්බන්ධ වැඩින් විසි<br>එනත. ඒ ප්පුර්දින්ව රියක් වැඩි සම පරිතුක සත් හේ මත් සත්වා සම එක් සම්බන්ධ වෙන්ට මත් දෙනත් ම පත්ව මත් සමාත් වීම පත්වෙන මේ පත්වෙන මේ පත්වෙන<br>ජනත. ඒ පරිතෝර්ට ප්රවර ප්රවේඛ ම්විත්වයට සත්පතුවක් එයාදය, කරුවල එයන් මාස්ත රියකය මහාල්වන, සිත ඒ නේ, ම සත් එක්ට සත්වේඛය,   | iy dam erlang widdlar baacii in canac<br>o gonad walvod untaa mada in wilang c<br>walousi limitadan, buchaca intamuglana | र्थ के जिसे, देखीं कि स्थितिक कि कि स्थानमाने हमेंदे हैं<br>जब कस्त्रोपकों by Garthai भ्रांक्षेत्र की दोक्क बीज ब<br>), केक भ्री पक, वर्ष किवा को हम्ब्योंचे किस्त्राच्यों by बीच | by the client for the contracts and, its extendents,   |                    |   |
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Somptor - UPS - Bus - Other:

† Cardinal cannot accept vo

changos. P

for writton changes to (afe) sessions



May 06, 2013

OSCAR FRAYRE

**Hungry Horse Environmental** 

P.O. Box 1058

Hobbs, NM 88240

RE: SKELLY UNIT #401

Enclosed are the results of analyses for samples received by the laboratory on 05/03/13 15:45.

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 <a href="https://www.tceq.texas.gov/fie/d/ap/lab-accred-certif.html">www.tceq.texas.gov/fie/d/ap/lab-accred-certif.html</a>.

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

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celeg Di Keena

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



**Hungry Horse Environmental** OSCAR FRAYRE P.O. Box 1058 Hobbs NM, 88240

Fax To:

(505) 391-4585

Received:

05/03/2013

Reported:

05/06/2013

Project Name:

**SKELLY UNIT #401** 

Project Number: Project Location: NONE GIVEN

**EDDY COUNTY, NM** 

Sampling Date:

05/03/2013

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By: Jodi Henson

Sample ID: N WALL (H301059-01)

| OTEX 80218     | mg/    | kg              | Analyze    | d By: AP     |      |            |               |      |           |
|----------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 05/04/2013 | ND           | 2.19 | 110        | 2.00          | 8.36 |           |
| Toluene*       | <0.050 | 0.050           | 05/04/2013 | ND           | 1.99 | 99.6       | 2.00          | 7.90 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 05/04/2013 | ND           | 2.12 | 106        | 2.00          | 8.31 |           |
| Total Xylenes* | <0.150 | 0.150           | 05/04/2013 | ND           | 6.16 | 103        | 6.00          | 8.47 |           |
| Total BTEX     | <0.300 | 0.300           | 05/04/2013 | ND           |      |            |               |      |           |
| Total Xylenes* | <0.150 | 0.150           | 05/04/2013 | ND           |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PIL

103 %

89.4-126

| Chloride, SP445CBCI-B     | mg,    | /kg             | Analyze    | 4 84: DM     |     |            | ····          |       |           |
|---------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|-------|-----------|
| Analyte                   | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                  | 512    | 16.0            | 05/06/2013 | ND           | 432 | 108        | 400           | 0.00  |           |
| TPH 8015M                 | mg     | /kg             | Anatyzo    | d By: MS     |     |            |               |       |           |
| Analyte                   | Result | Reporting Limit | Anatyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10                | <10.0  | 10.0            | 05/04/2013 | ND           | 206 | 103        | 200           | 0.102 |           |
| DRO >C10-C28              | <10.0  | 10.0            | 05/04/2013 | ND           | 192 | 95.9       | 200           | 3.26  |           |
| Surrogate: 1-Chlorooctane | 93.7   | % 65.2-14       | 0          |              |     |            | •             |       |           |

Surrogate: 1-Chlorooctadecane

96.8 %

63.6-154

Cardinal Laboratories

\*=Accredited Analyte

REASE NOTE: Unbilly and Damages. Contral's labelity and cheests exclusive remedy to any darm aroung whether based in combact or tort, shall be femiced to the amount paid by client for analysis. All claims, including those for negligibles and only claims of the applicable service. In no event shall Cardinal be 1985, for incompanied domages, including which is nonlimital or consequenced domages, including thinking, baselines around the state of the services incompanied or the services around the service claim is based upon any of the above stated regions or otherwise. Results relate only to the samples standing above. This report shall not be reproduced except in full with written approval of Carrinal Laborationes.

Celey D. Krena



**Hungry Horse Environmental** OSCAR FRAYRE P.O. Box 1058 Hobbs NM, 88240

Fax To:

(505) 391-4585

Received: Reported: 05/03/2013

05/06/2013

Project Name: Project Number:

**SKELLY UNIT #401** NONE GIVEN

Project Location:

EDDY COUNTY, NM

Sampling Date:

05/03/2013

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact Jodi Henson

Sample ID: S WALL (H301059-02)

| STEX 80218     | mg/     | kg              | Analyze    | d By: AP     | ······································ |            |               |      |           |
|----------------|---------|-----------------|------------|--------------|--|------------|---------------|------|-----------|
| Analyte        | Result  | Reporting Limit | Analyzed   | Method Blank | BŚ                                     | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050  | 0.050           | 05/04/2013 | ND           | 2.19                                   | 110        | 2.00          | 8.36 |           |
| Toluene*       | <0.050  | 0.050           | 05/04/2013 | ND           | 1.99                                   | 99.6       | 2.00          | 7.90 |           |
| Ethylbenzene*  | <0.050  | 0.050           | 05/04/2013 | ND           | 2.12                                   | 106        | 2.00          | 8.31 |           |
| Total Xylenes* | < 0.150 | 0.150           | 05/04/2013 | ND           | 6.16                                   | 103        | 6.00          | 8.47 |           |
| Total BTEX     | <0.300  | 0.300           | 05/04/2013 | ND           |  |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PIE

105 %

89.4-126

| Chioride, SM4500CI-B      | mg,    | /kg             | Analyze    | q BA: DM     |     |            |               |       |           |
|---------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|-------|-----------|
| Analyte                   | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                  | 2920   | 16.0            | 05/06/2013 | ND           | 416 | 104        | 400           | 0.00  |           |
| TPH 8015M                 | mg,    | /kg             | Analyzo    | d By: MS     |     |            |               |       |           |
| Analyte                   | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10                | <10.0  | 10.0            | 05/04/2013 | ND           | 206 | 103        | 200           | 0.102 |           |
| DRO >C10-C28              | <10.0  | 10.0            | 05/04/2013 | ND           | 192 | 95.9       | 200           | 3.26  |           |
| Surrogate: 1-Chlorooctane | 97.7   | % 65.2-14       | ın         |              |     |            |               | •     |           |

Surrogate: 1-Chlorooctadecune

103 %

63.6-154

Cardinal Laboratories \*=Accredited Analyte

PLEASE NOTE: Usbilly and Damages. Control's behinfy and depiris' exclusive remedy for any deam arising, whether based in controls or tort, shall be latted to the amount paid by clear for brutyess. All cleans, including those for negligibrour and only other cause uthatisheseer shall be deemed stated interest made in intringing and received by Control within thirty (30) clays after competition of the approximate sometic. In no event shall Control be latter for incontrols or consequential damages, is blacking instituted in the particum processing of the services benefited by the particum of the services benefited by Carolial, regarders of whether such claims a based upon any of the above stated reasons or otherwise. Results relate only to the carries sentified above. The report that not be reproduced except in full with matter approval of Carolina Librarians.

Celey L. Frene



Hungry Horse Environmental OSCAR FRAYRE P.O. Box 1058 Hobbs NM, 88240

Fax To:

(505) 391-4585

Received: Reported: 05/03/2013

05/06/2013

SKELLY UNIT #401

Project Name: Project Number: Project Location:

NONE GIVEN
EDDY COUNTY, NM

Sampling Date:

Sample Received By:

05/03/2013

Sampling Type: Soil Sampling Condition: Cool

Cool & Intact

Jodi Henson

Sample ID: E WALL (H301059-03)

| BTEX 80218     | mg     | /tag            | Anatyzo    | d By: AP     |      |            |               |      |           |
|----------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 05/04/2013 | ND           | 2.19 | 110        | 2.00          | 8.36 |           |
| Toluene*       | 0.117  | 0.050           | 05/04/2013 | ND           | 1.99 | 99.6       | 2.00          | 7.90 |           |
| Ethylbenzene*  | 0.086  | 0.050           | 05/04/2013 | ND           | 2.12 | 106        | 2.00          | 8.31 |           |
| Total Xylenes* | 0.225  | 0.150           | 05/04/2013 | ND           | 6.16 | 103        | 6.00          | 8.47 |           |
| Total BTEX     | 0.427  | 0.300           | 05/04/2013 | ND           |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PIE

108 %

89.4-126

| Chioride, SP44500CI-B | mg.         | /kg             | Analyze         | d By: DW     |     | · · · · · · · · · · · · · · · · · · · |               |       |           |
|-----------------------|-------------|-----------------|-----------------|--------------|-----|---------------------------------------|---------------|-------|-----------|
| Analyte               | Result      | Reporting Limit | Analyzed        | Method Blank | BS  | % Recovery                            | True Value QC | RPD   | Qualifier |
| Chloride              | 640         | 16.0            | 05/06/2013      | ND           | 416 | 104                                   | 400           | 0.00  |           |
| TPH 8015M             | 8015∺ 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            | 05/04/2013      | ND           | 206 | 103                                   | 200           | 0.102 |           |
| DRO >C10-C28          | 33.3        | 10.0            | 05/04/2013      | ND           | 192 | 95.9                                  | 200           | 3.26  |           |
|                       |             |                 |                 |              |     |                                       |               |       |           |

Surrogate: 1-Chlorooctane

109%

65.2-140

Surrogate: 1-Chlorooctadecane

116%

63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Lubsity and Durages. Cardua's lability and departs endowne remedy for any darm aroung, whether build in contract or tort, shall be limited to the amount paid by chort for arishysis. All claims, including those for negligence and any other clause whitsoever shall be deemed sowed unless made in setting and recovered by Cardual within thinly (23) days after correction of the approximate service. In no event rive? Circled be labile for moderated or corresponded damages, related in the particular to the particular of the services between the particular of the particular of

Celegit Keens



**Hungry Horse Environmental OSCAR FRAYRE** P.O. Box 1058 Hobbs NM, 88240

Fax To:

(505) 391-4585

Received: Reported: 05/03/2013

05/06/2013

Sampling Type:

05/03/2013 Soil

Project Name:

**SKELLY UNIT #401** 

Sampling Condition:

Sampling Date:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

**EDDY COUNTY, NM** 

#### Sample ID: W WALL (H301059-04)

| GTEX 80216                           | mg/     | kg              | Analyze    | d By: AP     |      |            | 1 Tong yang day day day and the same |       |           |
|--------------------------------------|---------|-----------------|------------|--------------|------|------------|--------------------------------------|-------|-----------|
| Analyte                              | Result  | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC                        | RPD   | Qualifier |
| Benzene*                             | <0.050  | 0.050           | 05/04/2013 | ND           | 2.19 | 110        | 2.00                                 | 8.36  |           |
| Toluene*                             | <0.050  | 0.050           | 05/04/2013 | ND           | 1.99 | 99.6       | 2.00                                 | 7.90  |           |
| Ethylbenzene*                        | < 0.050 | 0.050           | 05/04/2013 | ND           | 2.12 | 106        | 2.00                                 | 8.31  |           |
| Total Xylenes*                       | <0.150  | 0.150           | 05/04/2013 | ND           | 6.16 | 103        | 6.00                                 | 8.47  |           |
| Total BTEX                           | <0.300  | 0.300           | 05/04/2013 | ND           |      |            |                                      |       |           |
| Surrogate: 4-Bromofluorobenzene (PIE | 105 9   | 89.4-12         | 6          |              | •    |            |                                      |       |           |
| Chloride, SM4508CI-B                 | mg/     | kg              | Analyze    | q BA: DM     |      |            |                                      |       |           |
| Analyte                              | Result  | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC                        | RPD   | Qualifier |
| Chloride                             | 880     | 16.0            | 05/06/2013 | ND           | 416  | 104        | 400                                  | 0.00  |           |
| TPM 8015M                            | mg/     | kg              | Analysc    | d By: MS     |      |            |                                      |       |           |
| Analyte                              | Result  | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC                        | RPD   | Qualifier |
| GRO C6-C10                           | <10.0   | 10.0            | 05/04/2013 | ND           | 206  | 103        | 200                                  | 0.102 |           |
| DRO >C10-C28                         | 598     | 10.0            | 05/04/2013 | ND           | 192  | 95.9       | 200                                  | 3.26  |           |
| Surrogate: 1-Chlorooctane            | 105     | % 65.2-14       | 10         |              |      |            |                                      |       |           |
| Surrogate: 1-Chlorooctadecane        | 1149    | % 63,6-15       | i <i>4</i> |              |      |            |                                      |       |           |

#### Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Labelly and Damages. Cannot's keptity and chart's endusive rements for any darm aroung, whether based in contract or tork, which be tended to the amount pool by does for analyses. All claims, including those for negligence and any other Case wherever shall be deemed where the mode in intern and received by Certail metric buth (10) days after complained of the applicate source. In no event shall Contain be leafer to incompanied damages, without the fact of internal production of the application of the application of the applications, but do consequently contain the production of the applications of the continuous standards or consequently contains or containing contains and or related to the continuous of the travers become the containing contain darm a based upon any of the above stated reasons or otherwise. Results relate only to the surrouse dentified above. This report shall not be reproduced except in full with relation approval of Cardinal Liberations.

Celey & Keens



**Hungry Horse Environmental OSCAR FRAYRE** P.O. Box 1058 Hobbs NM, 88240

Fax To:

(505) 391-4585

Received: Reported:

Project Name:

05/03/2013

05/06/2013

**SKELLY UNIT #401** NONE GIVEN

Project Number: Project Location:

**EDDY COUNTY, NM** 

Sampling Date:

05/03/2013 Soil

Sampling Type: Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

#### Sample ID: W EXC 5 PT BTTM (H301059-05)

| BTEX 8021B                           | mg/     | kg              | Analyze    | d By: AP     |      |            | ·             |       |           |
|--------------------------------------|---------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result  | Reporting Limit | Anatyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050  | 0.050           | 05/04/2013 | ND           | 2.19 | 110        | 2.00          | 8.36  |           |
| Toluene*                             | < 0.050 | 0.050           | 05/04/2013 | ND           | 1.99 | 99.6       | 2.00          | 7.90  |           |
| Ethylbenzene*                        | <0.050  | 0.050           | 05/04/2013 | ND           | 2.12 | 106        | 2.00          | 8.31  |           |
| Total Xylenes*                       | < 0.150 | 0.150           | 05/04/2013 | ND           | 6.16 | 103        | 6.00          | 8.47  |           |
| Total BTEX                           | <0.300  | 0.300           | 05/04/2013 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PIE | 105 9   | % 89.4-12       | 6          |              |      |            | =             |       | ••        |
| Chloride, SM45CCCI-B                 | mg/     | kg              | Analyze    | d By: DW     |      |            |               |       |           |
| Analyte                              | Result  | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 32.0    | 16.0            | 05/06/2013 | ND           | 416  | 104        | 400           | 0.00  |           |
| TPH 8015M                            | mg/     | եց              | Analyze    | d By: MS     |      |            |               |       |           |
| Analyte                              | Result  | Reporting Limit | Analyzed   | Method Blank | 85   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10                           | <10.0   | 10.0            | 05/04/2013 | ND           | 206  | 103        | 200           | 0.102 |           |
| DRO >C10-C28                         | 581     | 10.0            | 05/04/2013 | ND           | 192  | 95.9       | 200           | 3.26  |           |
| Surrogate: 1-Chlorooctane            | 104 9   | % 65.2-14       | 0          |              |      |            |               | *     |           |
| Surrogate: 1-Chlorooctadecane        | 106 9   | % 63.6-15       | 4          |              |      |            |               |       |           |

#### Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Lubbilly and Damages. Continely basely and cheart's exturence remedy for any cleam arrang, whether based in contract or tort, which be latted to the amount pool by chern for analyses. All cleans, including those for negligence and any other cause extraconer shall be deemed scared when a reting and recoved by Continel edition butly (30) days after completion of the application of the amount pool by chern for analyses. All cleans, including those for negligence and including, national tributions, but we have discussed by Cardinal regardless of underlier such dam a based upon any of the above stated reasons or otherwise. Results retate only to the samples dentified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg Li Kiena -



#### **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 SM4500CI-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

RESE ROTE: Lubbity and Damages. Cardnail's babitity and clearl's evolutive remedy for any dation aroung, whether based in contract or cort, shall be limited to the amount paid by clear for analysis. All claims, including those for negleptice and any other cause whatsoever shall be deemed sharper under in writing and received by Cardnal within thirty (30) days after completion of the application. In no event shall Cardnal to better for encountal domages, walkering, regional production, business interruptions, business interruptions, business interruptions, business interruptions, business interruptions, business of profits incurred by clearly death, is sufferingly with date or successors among out of or related to the performance of the services hereunder by Cardnay, regarders of whether such dates to be considered to the services hereunder by Cardnay, regarders of whether such dates to be profit and the services hereunder by Cardnay, regarders of whether such dates to be profit and the services hereunder by Cardnay, regarders of whether such dates upon any of the above stated reason or otherwise. Results relate only to the samples demonstrate above. This report shall not be regrotated detailed to the particular contract of the services hereunder by Cardnay, regarders of whether such

Celen Thera



#### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

| Company Name             | o: Hungry Hors  | se                       |                  |              |              |            |                         |              |            | 81             | LLTO   |  |          |  |                |  | ANA      | LYSIS    | S RE     | QUE      | ST            |  |                 |        |
|--------------------------|---|--------------------------|------------------|--------------|--------------|------------|-------------------------|--------------|------------|----------------|--|--|----------|--|----------------|--|----------|----------|----------|----------|---------------|--|-----------------|--------|
| Project Manage           |   | rc.                      |                  |              |              |            |                         | P.O.         | tt:        |                |  |  |          |  |                |  | Ī        |          |          |          |               |  |                 |        |
| Addross: 37              | 09 S. Emis  | e Buy                    |                  |              |              |            |                         | Com          | pany       | <i>/</i> :     | •  |  |          |  | 1              | İ  |          | 1        | 1        |          |               | 1 1  | 1               |        |
| City: Make               | 55.   | State U. M               | Zip              | 8            | X            | 91_        |                         | Attn         |            |                |  |  |          | }  | 1              |  | 1        |          |          |          | ł             |  | - {             | Ŋ.     |
| Phone #:                 | 31-0483   | Fox #:                   |                  |              |              | <i>V</i>   |                         | lbb <i>P</i> | re88:      |                |  |  |          |  | 1              | 1  |          | Į        |          | į į      |               |  | [               |        |
| Project#:                |   | Project Owner            | :                | 11           | N.P.         | 2          |                         | City:        |            |                |  |  |          |  | 1              |  | 1        |          |          |          |               | 1 1  |                 | į.     |
| Project Name:            | Skelly Whit   | 4451                     |                  |              |              |            |                         | State        | ə:         |                | Zip:   |  |          | 1  | }              |  | 1        |          |          |          | '             | 1 1  | İ               |        |
| Project Locatio          | n:  |                          |                  |              |              |            |                         | hor          | no#:       |                |  |  | J        | ĺ  |                | 1  | İ        | 1        |          |          | 1             |  | 1               |        |
| Sampler Name:            | Il Jan For  | ·                        |                  |              |              |            |                         | ox t         |            |                |  |  | ]        |  | Į<br>Z         | l  | į        |          |          |          |               |  | 1               |        |
| FOR LAD USE ONLY         | . "   |                          |                  | ME           | 1            | MATR       | X                       | P            | RESE       | RV             | SAMPL  | ING  | 7        | 8  |                | 1  | l        | 1        |          |          |               |  | ĺ               |        |
|                          |   |                          | S S              | S            | i   _        |            |                         | 1            |            |                |  | 1  | H        | 3  | ) .            | 1  | }        | 1        |          |          |               | 1  | ł               |        |
| Lab I.D.                 | Sample I.   | n                        | Ω                | A E          | ATE,         |            |                         | ì            | ب ان       |                |  | ļ  |          | 100  | 7              | *  |          |          |          |          |               |  |                 | ł      |
| Lad I.D.                 | . Sample  | 9.                       | BO               | Ž Š          | EW           |            | GE                      | o            |            | 8              |  | j  |          | 13   | ₹ \$           | •  | I        |          |          |          |               | 1 1  | - 1             | Į      |
| H301059                  | EAST EXC.   |                          | (G)RAB OR (C)OMP | # CONTAINERS | WASTEWATER   | SOL SO     | SLUDGE                  | OTHER:       | ICE / COOL | OTHER          | DATE   | TIME   | 17       | 1 5  | 1 I            |  | Ì        | ]        |          |          |               |  | - 1             |        |
| MACINA)                  | 11/2-11/0-11  |                          | H                | 83 C         | 15           | 1/         | S                       | 의            | 1          | ۲              | ES-19  | 32:10  |          | 文  | 7              | 1  |          |          |          |          | <del>}</del>  | <del>                                     </del> |                 |        |
| 2                        | 5-411   |                          | 2                |              | ††           | M          | 11                      | ╁            | +          | H              | 5373   | 2:15   | 13       | 文  | Ż              | <del> </del>   | †        |          |          |          |               |  | $\neg \uparrow$ |        |
| 3                        | B-WAN   |                          | 3                |              | 11           | 7          | 11                      |              | 1          | П              | 53.1   | 32,20  |          | 7  | ] 7            |  |          |          |          |          |               |  |                 |        |
| · · · · · · · · ·        | W-WAL   |                          | 6                |              | $\prod$      | Ž          |                         |              |            |                | 3-8-15   | 32:25  | 17       | 天  | 4              | Į.   |          |          |          |          |               |  |                 |        |
|                          | 4'CHIT GOTT   | D.S.C                    | 6                |              |              | X          |                         |              |            |                | 5-9-13   | 2:30   | Ź        |  | 17             |  |          |          |          |          |               |  |                 |        |
|                          |   |                          |                  |              | $\downarrow$ | 1          | $\downarrow \downarrow$ | _ _          | ᆚ.         | Ц              | <u> </u>   |  |          |  | <u></u>        |  |          |          |          |          |               |  |                 |        |
| 5                        | Wastexe.  | 5pt Bytan                | 4                | <b>!</b>     | $\bot$       | X          | $\bot \bot$             | _            | _          | Li             | 5-3-13   | <b>3</b> 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 | S X      | لخبل   | + x            | 4  | <b> </b> | ļ        | L        |          | <b> </b>      |  |                 |        |
|                          |   |                          |                  | ┝            | +            | 5(         | ++                      |              | ┽          | $\vdash$       |  | <del> </del>                                 |          | ├  | <del> </del> — | ╂  |          | <b> </b> |          |          | <del> </del>  |  |                 |        |
| ,                        | <b></b>   |                          | H                | ┝            | ++           | -          | ┼┼                      | -            | -          | $\vdash$       | <b> </b>   | <del> </del>                                 | -}       | ├  | ┼              | <del> </del>   |          |          |          | <b> </b> |               | $\vdash$   |                 |        |
| LEASE HOUT LINES !       | and Damages. Cordinate licbility and stan   | no pomer ovisions of     | ny dala          | n cataing v  | mhother t    | pased in   | o toareno               | s ton, s     | od Par     | better         | to the amount po   | eld by the client                            | פרט וכו  | <u>.                                    </u> | <u> </u>       | ل  |          |          |          |          | <u></u>       |  |                 |        |
| anda da aa adaat chall ( | ting those for negligence and any other ca<br>Carding boulizable for incidental or canaca<br>Incident of ar incident to the neutromness o | uantel domonors inchefen | anguer<br>anguer | t limitation | n, buzina:   | as interru | pticns, lo              | eo of us     | a, or loc  | ca of p        | kithim 30 days siz<br>realis incurred by<br><u>Partheye striked re</u> | ctions, its subch                            | Starlee, | cblo   |                |  |          |          |          |          |               |  |                 |        |
| Relanguished b           | y:  | Deto:                    | Re               | ccive        |              | OTEXT PRES | A                       | 1            | Nadi Lili  | <u>a éi ai</u> | LETISHAR BUSINELLE   | Phone R                                      | esult:   | ĽΥ   | 38 L           | No   | Add'l    | Phone    | Ø:       |          |               |  |                 |        |
|                          |   | TION                     | 1                |              | M            | ,          | 10                      | 10           | A A        | A              | 41   | FOX RCS                                      |          | Y  | 2G L           | No   | Add'l    |          |          |          |               |  | 1.              |        |
| Reliaquiumode            | N: Y  | Date:                    | HE               | ceive        | d By:        |            |                         |              | ZLA        | W              |  | 1 //   | ){       | )  | _              | - 0  |          | A )      | 4        | ۵.       |               | _1.  | "               | . 10   |
|                          | •   | Time:                    |                  |              | •            |            |                         |              |            |                |  |  | /#       | 41   | W              | $_{v}\!$ | ۱) ـ (   | v        | M        | 1 5º     | 4             | - ni   | XX5-4           | · (12) |
| Dellygend By             | /: (Circle One)   | L                        |                  | r            | 80-          | nla C      | onditio                 | <u></u>      | Ch         | 23-0           | tell ev.   |  | A        | •  | $\mathcal{A}$  | _  | _        |          |          | 1        | /             |  |                 | , cer  |
| ·                        |   |                          |                  | 0            | Coo          |            | Yes                     | <i>1</i> 11  | ٦/         |                |  |  |          | )  | (              | []   |          | _        | <i>[</i> | 11       | ,             |  |                 |        |
| Sampler - UPS            | - Bus - Other:  |                          | 0                | 4            | Ħ_           | Yes        | Yes<br>No               |              | Ŀ          | 1/V            | <b>Y</b>   |  |          |  |                |  | 5        |          |          | <u>}</u> |               |  |                 |        |
| † Cardina                | l cannot accept verbal c  | hanges. Pleas            | e fax            | writt        | on ch        | ango       | 8 <b>to</b> (           | 675)         | 393        | 232            | :6   |  |          |  | 7              |  |          |          |          |          | Marie Company |  |                 |        |
|                          | •   |                          |                  |              |              | -          |                         | 5            |            |                |  |  |          |  |                |  |          |          |          |          |               |  |                 |        |



May 03, 2013

OSCAR FRAYRE
Hungry Horse Environmental
P.O. Box 1058
Hobbs, NM 88240

RE: SKELLY UNIT #401 A

Enclosed are the results of analyses for samples received by the laboratory on 04/29/13 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 <a href="https://www.tceq.texas.gov/field/ga/lab-accred-certif.html">www.tceq.texas.gov/field/ga/lab-accred-certif.html</a>.

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

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celeg Theene

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



Hungry Horse Environmental OSCAR FRAYRE P.O. Box 1058 Hobbs NM, 88240

Fax To:

(505) 391-4585

Received:

04/29/2013

05/03/2013

Reported: Project Name:

SKELLY UNIT #401 A

Project Number: Project Location:

NONE GIVEN

95.5 %

63.6-154

NOT GIVEN

Sampling Date:

04/29/2013

Sampling Type:

Soil

Sampling Condition: Sample Received By: \*\* (See Notes)

Jodi Henson

Sample ID: N WALL (H301010-01)

| BTEX 8021B                            | mg/     | kg              | Analyze    | d By: AP     |      |            |               |          |           |
|---------------------------------------|---------|-----------------|------------|--------------|------|------------|---------------|----------|-----------|
| Analyte                               | Result  | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD      | Qualifier |
| Benzene*                              | <0.050  | 0.050           | 05/02/2013 | ND           | 2.38 | 119        | 2.00          | 1.70     |           |
| Toluene*                              | <0.050  | 0.050           | 05/02/2013 | ND           | 2.14 | 107        | 2.00          | 1.38     |           |
| Ethylbenzene*                         | < 0.050 | 0.050           | 05/02/2013 | ND           | 2.31 | 115        | 2.00          | 1.54     |           |
| Total Xylenes*                        | <0.150  | 0.150           | 05/02/2013 | ND           | 6.74 | 112        | 6.00          | 1.78     |           |
| Total BTEX                            | <0.300  | 0.300           | 05/02/2013 | ND           |      |            |               |          |           |
| Surrogate: 4-Bromofluorobenzene (PIL) | 1049    | 6 89.4-12       | 6          |              |      |            | - 4-          | <i>-</i> |           |
| Chloride, SM4500CI-B                  | mg/     | kg              | Anatyze    | d By: DW     |      |            |               |          |           |
| Analyte                               | Result  | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD      | Qualifier |
| Chloride                              | 416     | 16.0            | 04/30/2013 | ND           | 416  | 104        | 400           | 3.77     |           |
| TPH 9015M                             | mg/     | kg              | Analyza    | d DV: MS     |      |            |               |          |           |
| Analyte                               | Result  | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD      | Qualifier |
| GRO C6-C10                            | <10.0   | 10.0            | 04/30/2013 | ND           | 194  | 97.1       | 200           | 4.64     |           |
| DRO >C10-C28                          | 580     | 10.0            | 04/30/2013 | ND           | 192  | 96.2       | 200           | 5.81     |           |
| Surrogate: 1-Chlorooctane             | 86.3    | % 65.2-14       | ro         |              |      |            |               |          |           |

#### **Cardinal Laboratories**

Surrogate: 1-Chlorooctadecane

\*=Accredited Analyte

PLEASE NOTE: Labelity and Damages. Cardwall's labelity and clearly exclusive remedy for any diam arising, whether based in consist or ton, shall be britted to the amount paid by clear for instigues. All dams, including those for negligience and any other cause elablaciency shall be deemed canned usess made in writing and received by Cardwal within thiny (30) days after completion of the approximal source. In no event shall Christoph be label for including those for including related to the approximal source. In no event shall Christoph be label for including shall be included the same shall continue a shall be included the same and the same shall be included upon any of the above stand receives or otherwise. Results reflect who to the tempolar short of any of the down stand receives or otherwise. Results reflect who to the tempolar short of any of the down stand receives or otherwise. Results reflect who to the tempolar short of any of the down stand receives or otherwise. Results reflect who to the tempolar short of the reproduced except in the string internal property of Control Liberations.

Celey & Kens



Hungry Horse Environmental OSCAR FRAYRE P.O. Box 1058 Hobbs NM, 88240

Fax To:

(505) 391-4585

Received:

04/29/2013

Sampling Date:

04/29/2013

Reported:

05/03/2013

Sampling Type:

Soil

Project Name:

**SKELLY UNIT #401 A** 

Sampling Condition:

\*\* (See Notes)

Project Number: Project Location: NONE GIVEN

Sample Received By:

Jodi Henson

#### Sample ID: S WALL (H301010-02)

| BYEX 8021B                            | mg/     | kg              | Analyzo    | d By: AP     | <del>,</del> |            |               |      |           |
|---------------------------------------|---------|-----------------|------------|--------------|--------------|------------|---------------|------|-----------|
| Analyte                               | Result  | Reporting Limit | Analyzed   | Method Blank | BS           | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                              | <0.050  | 0.050           | 05/02/2013 | ND           | 2.38         | 119        | 2.00          | 1.70 |           |
| Toluene*                              | <0.050  | 0.050           | 05/02/2013 | ND           | 2.14         | 107        | 2.00          | 1.38 |           |
| Ethylbenzene*                         | <0.050  | 0.050           | 05/02/2013 | ND           | 2.31         | 115        | 2.00          | 1.54 |           |
| Total Xylenes*                        | < 0.150 | 0.150           | 05/02/2013 | ND           | 6.74         | 112        | 6.00          | 1.78 |           |
| Total BTEX                            | <0.300  | 0.300           | 05/02/2013 | ND           |              |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PIL) | 103 %   | -<br>6 89.4-12  | 6          |              |              |            |               |      |           |
| Chloride, SM4500CI-B                  | mg/     | kg              | Analyze    | d By: DW     |              |            |               |      |           |
| Analyte                               | Result  | Reporting Limit | Analyzed   | Method Blank | BS           | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                              | 608     | 16.0            | 04/30/2013 | ND           | 416          | 104        | 400           | 3.77 |           |
| TPH 8015M                             | mg/     | kg              | Analyze    | d By: MS     |              |            |               |      |           |
| Analyte                               | Result  | Reporting Limit | Analyzed   | Method Blank | BS           | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10                            | <10.0   | 10.0            | 04/30/2013 | ND           | 194          | 97.1       | 200           | 4.64 |           |
| DRO >C10-C28                          | 23.5    | 10.0            | 04/30/2013 | ND           | 192          | 96.2       | 200           | 5.81 |           |
| Surrogate: 1-Chlorooctane             | 83.5    | % 65.2-14       | 0          |              |              |            |               |      |           |
| Surrogate: 1-Chlorooctadecane         | 95.0 5  | % 63.6-15       | 4          |              |              |            |               |      |           |

#### Cardinal Laboratories

\*=Accredited Analyte

PLESS NOTE: Usbilly and Damages. Cardrall's basistry and departs endusive remedy for any draw mining, whether based in combact or lant, shall be letted to the amount paid by chert for analysis. All claims, including those for negligence and any offer came whitebook shall be deemed varied uries, made in strong and recorded by Cardrall action thirty (30) days after competition of the specially sounce. In no event shall Cardral be lable for innotating, exclusive brillians, suchness information, last if car, or law of partial submedians, affiliation or sucressors around out of or related to the performance of the services hereunder by Cardrall, regardless of whether such dams a based upon any of the show stand relations or otherwise. Repulse related by the first such control of the performance of the services hereunder by Cardrall, regardless of whether such dams a based upon any of the show stand relations or otherwise. Repulse related between the first written approved of Coardral Extractions.

Celegit Keine



Hungry Horse Environmental OSCAR FRAYRE P.O. Box 1058 Hobbs NM, 88240

Fax To:

(505) 391-4585

Received: Reported: 04/29/2013

05/03/2013

SKELLY UNIT #401 A

Project Name: Project Number: Project Location:

NONE GIVEN

NOT GIVEN

Sampling Date:

Sample Received By:

04/29/2013

Sampling Type: Soil

Sampling Condition:

\*\* (See Notes)

Jodi Henson

Sample ID: W WALL (H301010-03)

| BTEX 8021B                    | mg                     | /kg             | Алађи                    | d By: AP     |      |            |               |      | ·         |
|-------------------------------|------------------------|-----------------|--------------------------|--------------|------|------------|---------------|------|-----------|
| Analyte                       | Result                 | Reporting Limit | Analyzed                 | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                      | <0.050                 | 0.050           | 05/02/2013               | ND           | 2.38 | 119        | 2.00          | 1.70 |           |
| Toluene*                      | <0.050                 | 0.050           | 05/02/2013               | ND           | 2.14 | 107        | 2.00          | 1.38 |           |
| Ethylbenzene*                 | <0.050                 | 0.050           | 05/02/2013               | ND           | 2.31 | 115        | 2.00          | 1.54 |           |
| Total Xylenes*                | 0.219                  | 0.150           | 05/02/2013               | ND           | 6.74 | 112        | 6.00          | 1.78 |           |
| Total BTEX                    | <0.300                 | 0.300           | 05/02/2013               | ND           |      |            |               |      |           |
| Ethylbenzene*  Total Xylenes* | <0.050<br><b>0.219</b> | 0.050<br>0.150  | 05/02/2013<br>05/02/2013 | ND<br>ND     | 2.31 | 115        | 2.00          | 1.54 |           |

Surrogate: 4-Bromofluorobenzene (PIE)

113%

89.4-126

| Chloride, SM4500CI-B | mg     | /kg             | Analyzo    | 4 8A: D#A       | <del>, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del> |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|--|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 32.0   | 16.0            | 04/30/2013 | ND              | 416  | 104        | 400           | 3.77 |           |
| TPH 8015M            | mg     | /kg             | Analyzo    | Analyzed By: MS |  |            |               |      |           |
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10           | 11.3   | 10.0            | 04/30/2013 | ND              | 194  | 97.1       | 200           | 4.64 |           |
|                      | 234    | 10.0            | 04/30/2013 | ND              | 192  | 96.2       | 200           | 5.81 |           |

Surrogate: 1-Chlorooctane

99.4%

65.2-140

Surrogate: 1-Chlorooctadecane

93.8 %

63.6-154

Cardinal Laboratories \*=Accredited Analyte

REASE NOTE: Liability and Damages. Cardrall's station and dentity and clearly exclusive remoty for any dam arring whether based in contact or torf, shall be limited to the amount paid by clear for analysis, All dams, including those for inephypers and any other cause whatsoever what be deemed waved urities made in winting and received by Cardinal entities (30) days after compaction of the applications are sometimes and contact or indication, without intraliation, business interruptions, ties of cut, in law of profits interred in clearly, in standard, without intraliation, business interruptions, ties of cut, in law of profits interred in clear (in space) support of the approximation of the app



Hungry Horse Environmental OSCAR FRAYRE P.O. Box 1058 Hobbs NM, 88240

Fax To:

(505) 391-4585

Received:

04/29/2013

Reported:

05/03/2013

Project Name:

**SKELLY UNIT #401 A** 

Project Number: Project Location:

NONE GIVEN

Sampling Date:

04/29/2013

Sampling Type:

Soil

Sampling Condition: Sample Received By: \*\* (See Notes)

Jodi Henson

Sample ID: E WALL (H301010-04)

| STEX 80218                           | mg/    | kg              | Analyze    | d By: AP     |      |            |               |      | ·         |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 05/02/2013 | ND           | 2.38 | 119        | 2.00          | 1.70 |           |
| Toluene*                             | <0.050 | 0.050           | 05/02/2013 | ND           | 2.14 | 107        | 2.00          | 1.38 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 05/02/2013 | ND           | 2.31 | 115        | 2.00          | 1.54 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 05/02/2013 | ND           | 6.74 | 112        | 6.00          | 1.78 |           |
| Total BTEX                           | <0.300 | 0.300           | 05/02/2013 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PIL | 106 9  | % 89.4-12       | 26         | -            | -    |            | -             |      |           |
| Chloride, SM4500CI-B                 | mg/    | kg              | Analyza    | d By: DW     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 96.0   | 16.0            | 04/30/2013 | ND           | 416  | 104        | 400           | 3.77 |           |
| TPH 8015M                            | mg/    | łıg             | Analyze    | d By: MS     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10                           | <10.0  | 10.0            | 04/30/2013 | ND           | 194  | 97.1       | 200           | 4.64 |           |
| DRO >C10-C28                         | 17.1   | 10.0            | 04/30/2013 | ND           | 192  | 96.2       | 200           | 5.81 |           |
| Surrogate: 1-Chlorooctane            | 83.5   | % 65.2-14       | 10         |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 98.5   | % 63.6-15       | i <i>4</i> |              |      |            |               |      |           |

#### **Cardinal Laboratories**

\*=Accredited Analyte

PLEASE NOTE: Usbilly and Damages. Cardual's licitity and dent's exclusive remark for any claim mixing, whether based in cortical or tort, shall be brided to the amount plad by client for antitions. All claims, including those for registeric and any other cause shall be deemed wherein using and recoved by Cardual within they (30) days after completion of the applicable service. In no cent shall Cardual be highly for incidental or corresponded duringes, relations, belower using using the control of the applicable service. In no cent shall Cardual be highly for incidental or corresponded duringes, relations, below on use, or loss of perfox recovered by dent, is substitute, sufficient or supportable or registering or relations to the performance of the services hereundar by Cardual, regardless of infection as observed upon any of the above stated recovers or otherwise. Results relation to the temples interest accounts or otherwise. Results relation to the temples interest accounts or otherwise. Results relation to the temples interest accounts or otherwise.

Celeg T. Keena



**Hungry Horse Environmental** OSCAR FRAYRE P.O. Box 1058 Hobbs NM, 88240

Fax To:

(505) 391-4585

Received:

04/29/2013

05/03/2013

Sampling Date: Sampling Type: 04/29/2013

Reported:

Soil

Project Name:

SKELLY UNIT #401 A

Sampling Condition:

\*\* (See Notes)

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

**NOT GIVEN** 

#### Sample ID: 5 PT COMP (H301010-05)

| STEX 8021B                           | mg/    | kg              | Analyze    | d By: AP     |      |            | ·             | ····· |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 05/02/2013 | ND           | 1.99 | 99.4       | 2.00          | 9.39  |           |
| Toluene*                             | 0.054  | 0.050           | 05/02/2013 | ND           | 1.79 | 89.6       | 2.00          | 9.05  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 05/02/2013 | ND           | 1.90 | 95.2       | 2.00          | 9.42  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 05/02/2013 | ND           | 5.57 | 92.9       | 6.00          | 8.68  |           |
| Total BTEX                           | <0.300 | 0.300           | 05/02/2013 | ND           |      |            |               |       | •         |
| Surrogate: 4-Bromofluorobenzene (PIC | 1049   |                 | 6          | •            |      | •          | -             |       |           |
| Chloride, SM4500CI-B                 | mg/    | teg             | Analyzo    | d By: DW     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 912    | 16.0            | 04/30/2013 | ND           | 416  | 104        | 400           | 3.77  |           |
| TPH 9015M                            | mg/    | kg              | Analyze    | d By: MS     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10                           | <10.0  | 10.0            | 04/30/2013 | ND           | 194  | 97.1       | 200           | 4.64  |           |
| DRO >C10-C28                         | 25.8   | 10.0            | 04/30/2013 | ND           | 192  | 96.2       | 200           | 5.81  |           |
| Surrogate: 1-Chlorooctane            | 85.6   | % 65.2-14       | 0          |              | •    |            |               | -     |           |
| Surrogate: 1-Chlorooctadecane        | 103 9  | 63.6-15         | 4          |              |      |            |               |       |           |

#### Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardnall's Noticity and obert's enforce remedy for any darm aroung, whether based in contract or lost, shall be fritted to the arount paid by client for analyses. All durins, including those for negligibrous and any other case electroner shall be deemed waved unless made in unling and received by Cardinal militim triny (30) days after consistency of the specialists service. In no exact shall Cardinal be lattle for moderatal or consequential disruppes, exchange military, learness inflamman, lea

Celen I trans



#### **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

\*\* Samples not received at proper temperature of 6°C or below.

\*\*\* Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C
 Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories \*=Accredited Analyte

PLEASE NOTE: Usbutly and Damages. Cardnell's babutly and clearts' enclosed remark for any diam aroung, whether based in contract or tort, shall be letted to the amount paid by direct for analysiss. All cleans, including those for negligence and any other causes whatsoever shall be deemed warved virtues make in valting and received by Cardnell within thirty (80) days after completion of the applicable sonce. In no event shall Cardnel be label for independ or consequential damages, reducing, usbutly britishing, lutilises. Interruptions, lass of use, or list of public sonce, including southered and the service and the service between or otherwise. Reculs retained solved to the performance of the services between or otherwise. Reculs retained solved to the completion of the days of the service between any of the above station recursor or otherwise. Reculs retained solved to the completion of the days of the days of the service between any of the above station recursor or otherwise. Reculs retained or to the top of the service between any of the above station recursor or otherwise. Reculs retained or to the service between any of the above station recursor or otherwise. Reculs retained above. This report they have deemed except in full with written approach of Control Lipotectures.

Celeg Theene



#### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 98240 (676) 292-2326 FAX (675) 293-2476

| Company Namo: Aunce Harse  |  | ANALYSIS REQUEST   |
|--|--|--|
| Project Managor: OSCA FORMS  | P.O. 0:  |  |
| Address: Ecra : ce thing   | Company:   |  |
| city: Hobbs Stoto: N.M. Zip: 89240   | Attn:  |  |
| Phono 8: Fex 0:  | Address:   |  |
| Project 0: Project Owner: Lina Change  | City:  |  |
| Project Name:  | State: Zip:  |  |
| Project Location: SKelly Unit #401-A-  | Phono 0:   |  |
| Sampler Name: Decor Covart   | Fox 0:   |  |
| POIONPOINTE ONLY CONTAINERS OR (C)OMP.  OCONTAINERS OR (C)OMP.  SOIL CONTAINERS OR (C)OMP.  SOIL CONTAINERS OR (C)OMP.   | DGE<br>FIRS:<br>VCOOL<br>FIRS:   | HAFT L   |
| I N-WALL GILX  | 1 4-20 2:30  |  |
| 3 5-11ALL 6 X  | 14-29 2.38   |  |
| 312-12111 6  | 1 4-29 2:40  | ( < ×  |
|  | 1 429 2:45   |  |
| 5 5pt Composite C X  | 1 4-29 2:50  | x x x  |
| <u> </u>   |  | <del> </del>   |
| ┠╼╼╼╼╌╢╌╌╌╌  | <del></del>  | <del>                                     </del>   |
|  | <del>   </del>   | ╫╌┼╌┼╌┼┈┼╌┼┈┼  |
|  |  |  |
| FEARLISOTE: Not and Demonstrate Common labels; and chants conclude correctly for any obtained being whether beauting on the common of the comm | extract or tart, chall be limited to the emount paid by the claim to<br>rigicand received by Cordinal within 20 days often counstation of<br>thore, loca of use, or loca of profile incorred by effect, lie cubability | or the<br>the applicability<br>Indiates,   |
| Mona in no particular control to table for plantified or consequented damages, including without brattation, business interms and provide the control to table the provide the control to table the provide the control to table the provide the control to table the provide the control to table the provide the control to table the provide the control to table the provide the control to table the provide the control to table the provide the control to table the control to  | / Phono Ko   | cault: 🗆 Yea 🗆 No   Add   Phono &:   |
| Sampler - UPS - Bus - Other: 250 Cool in   | voo din dir  | ectus to lab.  |
| † Cardinal cannot accept verbal changes. Please fax written changes  | to (675) 385-2326  | THE STATE OF THE S |

## Attachment 3

From: eticket@nm811.org

**Sent:** Thursday, April 18, 2013 12:46 PM

To: Oscar Frayre

Subject: DO NOT REPLY: Request 2013162889

New Mexico One Call

Locate Request Confirmation Header Code: STANDARD LOCATE

Request Type:

Ticket No: 2013162889 Seq. No: 0

Update of:

Original Call Date: 04/18/2013 Time: 12:42:01 PM OP: 280

Transmit Date: 04/18/2013 Time: 12:46:07 PM Work to Begin Date: 04/22/2013 Time: 12:31:00 PM

Company: HUNGRY HORSE LLC

Contact Name: OSCAR FRAYRE Contact Phone: (575)631-0983

Alternate Contact: Alternate Phone:

Best Time to Call: Fax No: (575)391-4585

Cell Phone: Pager No:

Email: ofrayre@hunzry-horse.com

State: NM County: EDDY City: RURAL EDDY

Address: , SKELLY UNIT #401 FLOW LINE

To Address:

Nearest Intersecting Street: 2nd Intersecting Street:

Subdivision:

Latitude: 32.80771250 Longitude: -103.87995500

Zip Code: Grid:

Township: 175 Range: 31E Section 1/4: 28 NW

Location of Work: FRM US-82 & CR-222 IN LOCO HILLS, GO S ON CR-222

FOR 0.5MI, TRN E GO 0.2MI TO STAKE W/ YELLOW RIBBON>>SPOT>>1,000FT RADIUS OF STAKE MARKED W/

YELLOW RIBBON

Remarks: HAZARD/ACCESS>>4-WHEEL DRIVE NEEDED; LOCATION IS

**SANDY** 

Type of Work: SOIL REMEDIATION

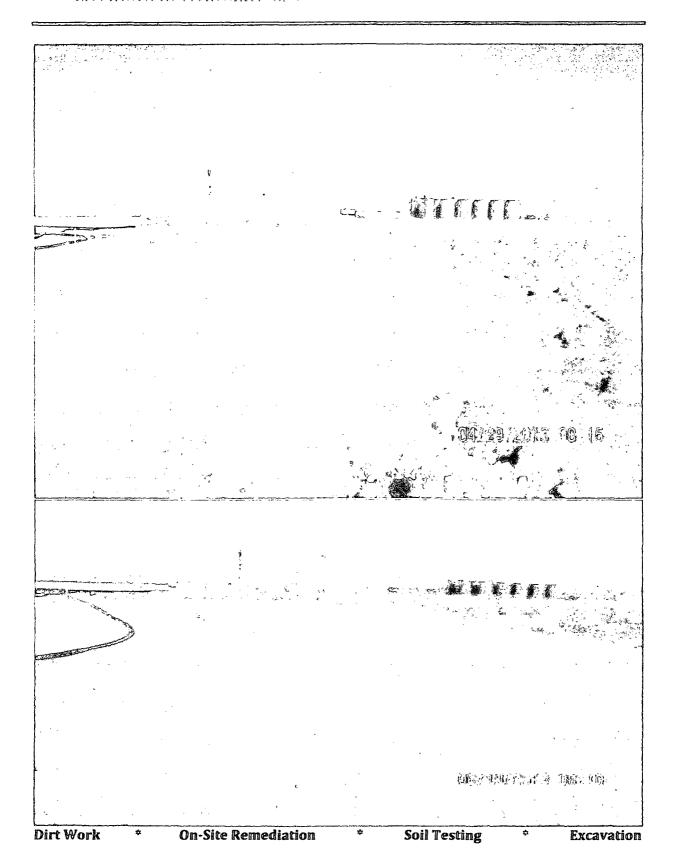
Private Property: Street: Overhead Lines: Blasting:

Easement: Mechanical Boring: Premarked: Y

Work Being Done For: LINN ENERGY

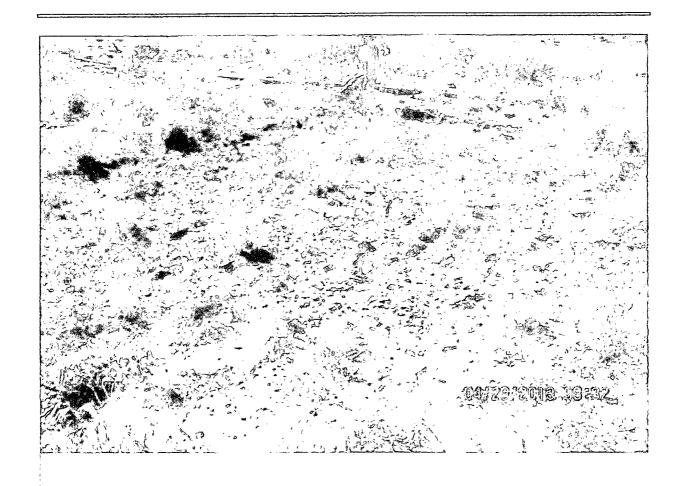
The following utility owners have been notified: SPHB NAVA PENA FFS CPW

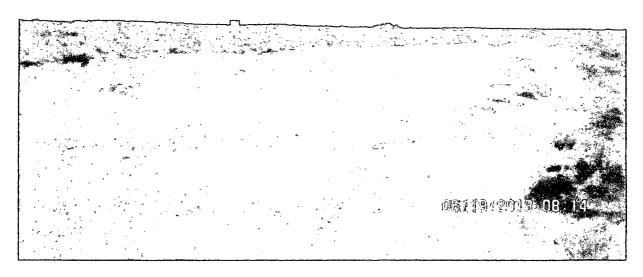
# Attachment 4



P.O. Box 1058 \* Hobbs New Mexico \* Office 575-393-3386 \* Fax 575-391-4585

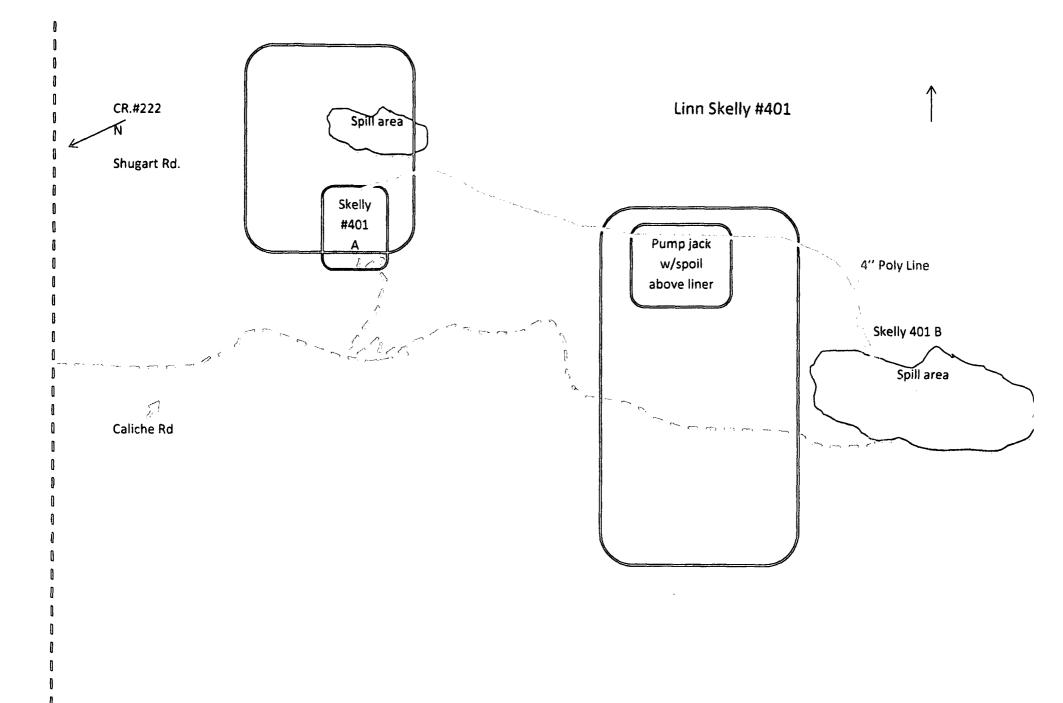
#### HUNGRY HORSE, LLC ENVIRONMENTAL SERVICES

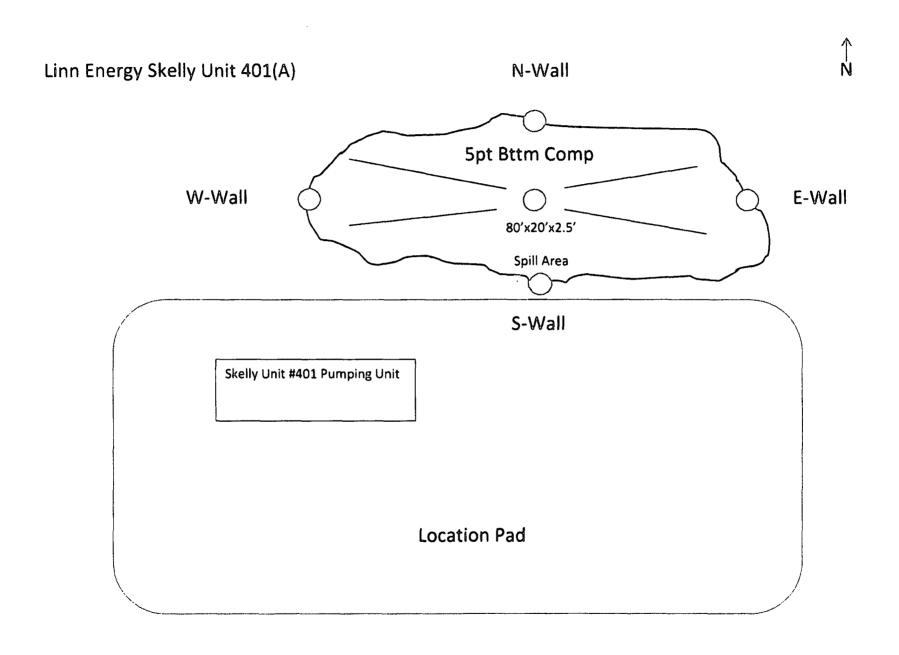


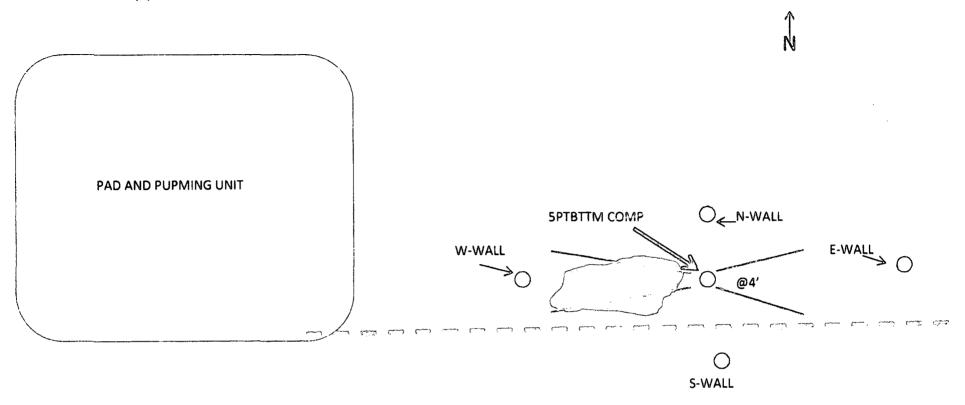


P.O. Box 1058 \* Hobbs New Mexico \* Office 575-393-3386 \* Fax 575-391-4585

## Attachment 5







Excavation Dimensions: 137'x25'x4'

# Attachment 6

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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

Form C-141 Revised October 10, 2003

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC

|                           |                              |                                 | Rela                     | ease Notific                               | ation      | n and Co                      | rrective A                              | ction            |                            |                             |             |                          |
|---------------------------|------------------------------|---------------------------------|--------------------------|--|------------|-------------------------------|---|------------------|----------------------------|-----------------------------|-------------|--------------------------|
|                           |                              |                                 |                          |  |            | OPERAT                        | TOR                                     |                  | Initia                     | l Report                    |             | Final Repo               |
|                           |                              | nn Operatin                     |                          |  |            |                               | e Hernandez                             |                  |                            |                             |             |                          |
|                           |                              | nder Hobbs                      | , NM 88                  | 240  |            |                               | lo.: 575-738-17                         | 39               |                            |                             |             |                          |
| Facility Nar              | ne: Skelly                   | 401                             |                          |  |            | Facility Typ                  | e: Oil Well                             |                  |                            |                             |             |                          |
| Surface Ow                | ner: Feder                   | al                              |                          | Mineral C                                  | wner:      | Federal                       |   |                  | API No                     | .: 3001529                  | 817         |                          |
|                           |                              |                                 |                          | LOCA                                       | TIOITA     | OFREI                         | LEASE                                   |                  |                            |                             |             |                          |
| Unit Letter               | Section                      | Township                        | Range                    | Feet from the                              |            | South Line                    | Feet from the                           | East/We          |                            | County                      |             |                          |
| D                         | 28                           | 17S                             | 31E                      | 1300                                       | ,          | North                         | 60                                      | W                | est                        |                             | Edo         | ly                       |
| L                         | J                            |                                 | B . 4°4                  | 1 . 22 0002424                             | 207422     | 3 B                           | - 102 002004                            | 050221           |                            |                             |             |                          |
|                           |                              |                                 | Latiti                   | ade: 32.8092438                            |            | C                             |   | 039221           |                            |                             |             |                          |
| <u> </u>                  |                              |                                 |                          | NAT  | URE        | OF RELI                       |   |                  |                            |                             |             |                          |
| Source of Re              |                              | oduced Water                    | <u> </u>                 |  |            |                               | Release: 6 bbls /                       |                  |                            | Recovered: 4<br>Hour of Dis |             |                          |
| 30dice of Re              | icase. 5 po                  | Tymic                           |                          |  |            | 12/23/2012                    |   | 1                |                            | 2 9:30am                    | covery      | <b>,</b> .               |
| Was Immedia               | ate Notice (                 |                                 |                          |  | ·          | If YES, To                    |   |                  |                            |                             |             |                          |
|                           |                              | X                               | Yes L                    | No Not Ro                                  | equired    |                               |   | Terry Greg       | ston- BL                   | M<br>                       |             |                          |
| By Whom? C<br>Was a Water |                              | h-40                            |                          |  |            |                               | lour 01/04/2013<br>lume Impacting t     |                  |                            |                             | <del></del> |                          |
| was a water               | runic impacting t            | ne water                        | zourse.                  |  |            |                               |   |                  |                            |                             |             |                          |
| If a Watercou             | ırse was Im                  | pacted. Descr                   | ibe Fully.               | ·:   |            |                               |   |                  |                            |                             | 4           |                          |
|                           |                              | -                               |                          |  |            |                               |   |                  | KL                         | ECEIV                       | V E         | וע                       |
|                           |                              |                                 |                          |  |            |                               |   |                  | N                          | 10V 08                      | 2013        | i                        |
| Describe Cau              | ise of Probl                 | em and Reme                     | dial Actio               | n Taken.*: cause                           | of leak,   | scale in 3" po                | oly line                                |                  |                            |                             |             |                          |
|                           |                              |                                 |                          |  |            |                               |   |                  | NMC                        | OCD AF                      | 112         | SIA                      |
| Dacariba Ara              | a Affacted                   | and Clannum                     | Action Tal               | cen.* : Spill is abo                       | 9 A        | vida at widest                | point with a trail                      | that's is s      | how 16 :                   | urida ta a sm               | all pu      | ddla that is             |
|                           |                              | r spill is abou                 |                          |  | JUL O IL V | vide at widesi                | point with a train                      | mar s is a       | ioon iii                   | wide to a sm                | ан ри       | iquie mai 15             |
|                           | ~                            | •                               |                          |  |            |                               |   |                  |                            |                             |             |                          |
|                           |                              |                                 |                          |  |            |                               |   |                  |                            |                             |             |                          |
|                           |                              |                                 |                          |  |            |                               |   |                  |                            |                             |             |                          |
|                           |                              |                                 |                          | is true and comp                           |            |                               |   |                  |                            |                             |             |                          |
| regulations a             | II operators<br>or the envir | are required to<br>conment. The | o report ar<br>accentanc | nd/or file certain r<br>ce of a C-141 repo | elease no  | otifications at<br>e NMOCI) m | id perform correct<br>arked as "Final R | ctive action     | ns for rele<br>es not reli | eases which<br>eve the oper | may c       | indanger<br>if liability |
|                           |                              |                                 |                          | investigate and re                         |            |                               |   |                  |                            |                             |             |                          |
|                           |                              |                                 |                          | otance of a C-141                          | report d   | oes not reliev                | e the operator of                       | responsibi       | ility for co               | ompliance w                 | ith an      | y other                  |
| federal, state.           | or local lav                 | vs and/or regu                  | llations.                |  |            |                               | OU CON                                  | CEDVA            | TION                       | DIVICIO                     | N 1         |                          |
|                           | •                            | 1                               |                          |  |            |                               | OIL CON                                 | <u>SEK V A</u>   | HON                        | DIVISIC                     | <u>N</u>    |                          |
| Signature:                |                              | <u> </u>                        |                          |  |            |                               |   |                  |                            |                             |             |                          |
| Printed Name              | : Jose Hem                   | andez                           |                          |  |            | Approved by                   | District Supervise                      | or:              |                            |                             |             |                          |
|                           |                              |                                 |                          |  |            | A                             |   |                  |                            |                             |             |                          |
| Title: Produc             | tion Forema                  | <u>n</u>                        |                          |  |            | Approval Dat                  | e:                                      | Ex               | piration l                 | Date:                       |             | <del></del>              |
| E-mail Addre              | ss: jhernan                  | dez@linnener                    | gy.com                   |  | 1.         | Conditions of                 | `Approval:                              | proval: Attached |                            |                             |             |                          |
| Date: 01/07/2             |                              |                                 |                          | -942-9492                                  |            |                               |   |                  |                            |                             | _           |                          |

<sup>\*</sup> Attach Additional Sheets If Necessary

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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

Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Form C-141

#### Release Notification and Corrective Action

|  |             |               |            |                   |          | OPERA7   | <b>TOR</b>  | Initia              | l Report            | $\boxtimes$ | Final Report |  |
|--|-------------|---------------|------------|-------------------|----------|--|---|---------------------|---------------------|-------------|--------------|--|
| Name of Company: Linn Operating  |             |               |            |                   |          | Contact: Jose Hernandez  |   |                     |                     |             |              |  |
| Address:2130 W. Bender Hobbs, NM 88240   |             |               |            |                   |          | Telephone No.575-738-1739  |   |                     |                     |             |              |  |
| Facility Name: Skelly 401  |             |               |            |                   |          | Facility Type: Oil Well  |   |                     |                     |             |              |  |
| Surface Owner Federal Mineral Owner:   |             |               |            |                   |          | ederal   |   | Lease N             | Lease No.3001529817 |             |              |  |
| LOCATION OF RELEASE  |             |               |            |                   |          |  |   |                     |                     |             |              |  |
| Unit Letter  | Section     | Township      | Range      | Feet from the     |          | /South Line   Feet from the   East/West Line                     |   |                     | County              |             |              |  |
| D  | 28          | 178           | 31E        | 1300              | 1        | North  | 60  | West                | West                |             | y            |  |
| LatitudeLongitude  |             |               |            |                   |          |  |   |                     |                     |             |              |  |
| NATURE OF RELEASE  |             |               |            |                   |          |  |   |                     |                     |             |              |  |
| Type of Rele   |             |               |            |                   |          | Volume of Release: 6bbls/1bbls Volume Recovered: 4bbls/0         |   |                     |                     |             |              |  |
| Source of Release: 3" Polly line   |             |               |            |                   |          |  | Date and Hour of Date and Hour of Discovery Occurrence:12/23/13 9am 12/23/13 9:30am |                     |                     |             |              |  |
| Was Immediate Notice Given?  |             |               |            |                   |          | Occurrence:12/23/13   9am   12/23/13   9.30am   15 YES, To Whom? |   |                     |                     |             |              |  |
| ✓ Yes ☐ No ☐ Not Required  |             |               |            |                   |          |  |   |                     |                     |             |              |  |
| By Whom? Gary Wink   |             |               |            |                   |          | Date and Hour()1/04/2013   |   |                     |                     |             |              |  |
| Was a Watercourse Reached?  ☐ Yes ☑ No   |             |               |            |                   |          | If YES, Volume Impacting the Watercourse.                        |   |                     |                     |             |              |  |
| If a Watercourse was Impacted, Describe Fully.*  |             |               |            |                   |          |  |   |                     |                     |             |              |  |
|  |             |               |            |                   |          |  |   |                     |                     |             |              |  |
| RECEIVED   |             |               |            |                   |          |  |   |                     |                     |             |              |  |
| Describe Cause of Problem and Remedial Action Taken.*  |             |               |            |                   |          |  |   |                     | NOV 0 8 2013        |             |              |  |
| NMOCD ARTESIA  |             |               |            |                   |          |  |   |                     |                     |             |              |  |
| 14141000 VIII COLLEGE  |             |               |            |                   |          |  |   |                     |                     |             |              |  |
| Describe Area Affected and Cleanup Action Taken.*  |             |               |            |                   |          |  |   |                     |                     |             |              |  |
| The area was excavated down to 4' BGS and random samples of the contaminated area were taken to the laboratory and analysis was given to Mike Burton of BLM for backfilling approvals. The contaminated soil was hauled off to a disposal approved facility and the areas were backfilled using clean material   |             |               |            |                   |          |  |   |                     |                     |             |              |  |
| The state of the s |             |               |            |                   |          |  |   |                     |                     |             |              |  |
|  |             |               |            |                   |          |  |   |                     |                     |             |              |  |
| 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 o   | perations h | ave failed to | idequately | investigate and r | emediate | contaminati  | on that pose a thro   | cat to ground water | , surface wa        | ter, hu     | man 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:   |             |               |            |                   |          |  | Approved by District Consentings  |                     |                     |             |              |  |
| Printed Name   | 2:          |               |            |                   |          | Approved by District Supervisor:                                 |   |                     |                     |             |              |  |
| Title:   |             |               |            |                   |          |  | roval Date: Expiration  |                     | Date:               |             |              |  |
| E-mail Address:  |             |               |            |                   |          | Conditions of Approval:  |   |                     | Attached []         |             |              |  |
| Date: Phone:   |             |               |            |                   |          |  |   |                     |                     |             |              |  |
| Attach Addi  | 4:I Ch      | ICN           |            | ·                 |          |  |   |                     | _1,                 |             |              |  |

<sup>\*</sup> Attach Additional Sheets If Necessary

From:

Burton, Michael <mburton@blm.gov>

Sent:

Tuesday, April 23, 2013 12:31 PM

To: Subject: Oscar Frayre SKELLY 401.

#### Oscar,

The plan for the remediation work for the spill just off of the Skelly 401 pad is approved with these conditions.

- 1. Backfill using native soil to match the surrounding terrain.
- 2. Re-seed using BLM seed mix LPC.
- 3. Upon completion of work please berm the north side of this location to ensure any other flow line failures will be contained on the location.

#### Mile Burton

BLM:GFO

Lavironmental Protection Specialist

575-234-2226 office 575-361-3574 cell

mburton@bim.gov

CONFIDENTIALITY NOTICE: The information in this email may be confidential and/or privileged. If you are not the intended recipient or an authorized representative of the intended recipient, you are hereby notified that any review, dissemination or copying of this email and its attachments, if any, or the information contained herein, is prohibited. If you have received this email in error, please immediately notify the sender by return email and delete this email from your system. Thank you.

From:

Burton, Michael <mburton@blm.gov>

Sent:

Monday, May 06, 2013 9:04 AM

To:

Oscar Frayre

Subject:

Re: Skeliy unit #401 A

#### Oscar.

**Thanks** 

This spill area is OK for back fill. With a few of the samples still above closure levels, if re vegetation does not occur then further actions may need to be taken.

#### Mile Burton

MATERO

Environmental Protestion Specialist

575-234-2226 office 575-361-3574 cell

mburtonTblm.gov

CONFIDENTIALITY NOTICE: The information in this email may be confidential and/or privileged. If you are not the intended recipient or an authorized representative of the intended recipient, you are hereby notified that any review, dissemination or copying of this email and its attachments, if any, or the information contained herein, is prohibited. If you have received this email in error, please immediately notify the sender by return email and delete this email from your system. Thank you.

On Mon, May 6, 2013 at 6:04 AM, Oscar Frayre < OFrayre@hungry-horse.com > wrote:

From:

Burton, Michael <mburton@blm.gov>

Sent:

Monday, June 10, 2013 6:36 AM

To: Subject: Oscar Frayre Re: skelly 401(b)

Oscar.

Your back fill request is approved. Re contour to match the surrounding terrain. Seed with BLM LPC seed mix. Thanks

#### Mike Burton

DLM-GFO

Environmental Protestion Specialist

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On Fri, Jun 7, 2013 at 10:16 AM, Oscar Frayre < OFrayre@hungry-horse.com > wrote:

Hey mike these are the labs I would like to request that we backfill it seems to me that we should be clear from any contamination please call or email me as soon as you get this message thank you ser.!!!!!!!!!!