

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

| | | | |
|-----------------|-------------------------------------|---------------|-----------------------|
| Name of Company | Southern Union Gas Services | Contact | Rose Slade |
| Address | 801 S. Loop 464, Monahans, TX 79756 | Telephone No. | 817-302-9716 |
| Facility Name | Hwy 18 Drip Tanks (12/18/08) | Facility Type | Natural Gas Gathering |

| | | |
|------------------------------------|----------------------|----------------------|
| Surface Owner: State of New Mexico | Mineral Owner: State | API No. 30-025-28822 |
|------------------------------------|----------------------|----------------------|

LOCATION OF RELEASE

| | | | | | | | | |
|------------------|---------------|------------------|---------------|---------------|------------------|---------------|----------------|---------------|
| Unit Letter D | Section 32 | Township 24 S | Range 37 E | Feet from the | North/South Line | Feet from the | East/West Line | County Lea |
|------------------|---------------|------------------|---------------|---------------|------------------|---------------|----------------|---------------|

Latitude N32° 10.833' Longitude W103° 11.562'

NATURE OF RELEASE

| | | |
|--|---|---|
| Type of Release : Crude Oil | Volume of Release: Less Than 5 bbls | Volume Recovered None |
| Source of Release : 100 bbl Steel Storage Tank | Date and Hour of Occurrence Unknown | Date and Hour of Discovery 12/18/08 8:00 a.m. |
| Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required | If YES, To Whom? | |
| By Whom? | Date and Hour | |
| Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | If YES, Volume Impacting the Watercourse. | |

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*


The drip tank facility was being removed from its current location. When the east 100 bbl tank was removed it appears to have been leaking from the clean-out hatch or piping. There was some evidence of oil saturated soil beneath the tank when it was removed from the location.

Describe Area Affected and Cleanup Action Taken.*

All clean-up actions are completed. See attached summary.

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

OIL CONSERVATION DIVISION

| | | | |
|--|---------------------------------------|------------------|-----------------------------------|
| Signature:  | Approved by Environmental Specialist: | | |
| Printed Name: Rose Slade | | | |
| Title: EHS Compliance Specialist | Approval Date: | Expiration Date: | |
| E-mail Address: rose.slade@sug.com | Conditions of Approval: | | Attached <input type="checkbox"/> |
| Date: Phone: 817-302-9716 | | | RP#: 2041 |

* 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, Lordsburg, NM 88305
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

PGRL 0835844778

2041 Form C-141
Revised October 10, 2003

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

RECEIVED
DEC 18 2008
HOBBS

Release Notification and Corrective Action

OPERATOR

☒ Initial Report

☐ Final Report

| | | | |
|-----------------|-----------------------------------|---------------|-----------------------|
| Name of Company | Southern Union Gas Services, Ltd. | Contact | Tony Savoie |
| Address | P.O. Box 1226 Jal, N.M. 88252 | Telephone No. | 575-395-2116 |
| Facility Name | Lea County Field Dept. | Facility Type | Natural Gas Gathering |

Surface Owner: State of New Mexico

Mineral Owner: State

Lease No.

LOCATION OF RELEASE

API# 30-025,34555.00.00

| | | | | | | | | |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|--------|
| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
| D | 32 | 24S | 37E | | | | | Lea |

Latitude N32 10.833 Longitude W103 11.562

NATURE OF RELEASE

| | | | |
|---|---|---|------|
| Type of Release : Crude Oil | Volume of Release: Less Than 5 bbls | Volume Recovered | None |
| Source of Release : 100 bbl Steel Storage Tank | Date and Hour of Occurrence | Date and Hour of Discovery 12/18/08 8:00 a.m. | |
| Was Immediate Notice Given? | If YES, To Whom? | | |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required | | | |
| By Whom? | Date and Hour: | | |
| Was a Watercourse Reached? | If YES, Volume Impacting the Watercourse. | | |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | |

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

The drip tank facility was being removed from its current location. When the east 100 bbl tank was removed it appears to have been leaking from the clean-out hatch or piping. There was some evidence of oil saturated soil beneath the tank when it was removed for the location.

Describe Area Affected and Cleanup Action Taken. An area of oil saturated soil measuring approximately 25 sq. ft. under the tank location and inside the earthen tank containment. All of the affected release area will be remediated in accordance to the NMOCD guidelines for leaks and spills.

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

| | | |
|--|---|--------------------------|
| Signature: <i>Tony Savoie</i> | OIL CONSERVATION DIVISION | |
| Printed Name: John A. Savoie | Approved by District Supervisor: <i>[Signature]</i> | |
| Title: Waste Management and Remediation Specialist | ENVIRONMENTAL ENGINEER | |
| E-mail Address: tony.savoie@sug.com | Approval Date: 12.19.08 | Expiration Date: 2.19.09 |
| Date: 12/19/08 Phone: 575-395-2116 | Conditions of Approval: | |
| | Submitted Final C-141 w/DOCS by <i>[Signature]</i> Attached <input type="checkbox"/> IRP-2041 | |

* Attach Additional Sheets If Necessary

PGRL 0835844089

I. Clean-up Criteria Based on Ranking Analysis

| Site Ranking | | Points |
|-----------------------|--|--------|
| Depth to Ground Water | 115 ft. avg. based on C-141 Initial Report *Note: Site located in section 32, initial POD Report indicates no wells in surrounding sections 20, 29, 30, 31, and 32; recent POD report indicates one well in section 28 (NE) with avg depth to water of 70 ft. | 0 |
| Well Head Protection | 5,597 Horizontal ft. | 0 |
| Surface Water Body | 3,027 Horizontal ft. | 0 |
| Total Ranking Score | | 0 |

| | Benzene (mg/kg) | BTEX (mg/kg) | TPH (mg/kg) "Surface" | Chlorides (mg/kg) |
|------------------------|--------------------|--------------|--------------------------|----------------------|
| Site Closure Objective | 10 | 50 | 5000 | 1000 |

II. Area Affected and Clean-up Action Taken

| Date | Action |
|------------|---|
| 12/18/2008 | Discovery. The initial visual assessment identified an area of oil saturated soil measuring approximately 25 sq. ft. under the tank location and inside the earthen tank containment. |
| 12/19/2008 | Haul equipment to job site, remove old fence, run locator, remove pipeline and haul to Shoals comp. site, excavate 3" pipe |
| 12/22/2008 | Finish excavating 3" pipe; disconnect piping; excavate, load, and haul soil to SUGS landfarm |
| 12/23/2008 | Excavate and stockpile soil, collect samples, run PID, jar samples and deliver to lab, install safety fence. Lab results indicate additional excavation needed due to elevated chlorides. |
| 12/30/2009 | Excavate to 20 ft, stockpile soil, collect samples and deliver to lab. Lab results indicate elevated chlorides at 20 ft depth sample but not the 15 ft depth sample. |
| 01/05/2009 | Sample soil pile and deliver to lab. Lab results indicate additional soil blending is needed |
| 01/19/2009 | Remove caliche from work area, load and haul caliche to SUGS landfarm; spread excavated soil on-site to blend; load and haul clean soil from SUGS landfarm to site. |
| 01/20/2009 | Finish removing caliche; finish spreading contaminated soil on-site to blend; load and haul clean soil from SUGS landfarm, blend soil. |
| 01/21/2009 | Haul soil from land farm and continue to blend soil. |
| 01/22/2009 | Continue to blend soil |
| 01/23/2009 | Finish blending soil, collect samples from soil piles of blended soil, run PID, jar samples and deliver to lab; install safety fence. Lab results indicate blended soil is OK for use as backfill. |
| 01/29/2009 | Additional soil sample is collected at 23 ft. Lab results indicate cleanup is complete. Backfill and clean up, move equipment. Total contaminated soil hauled to SUGS landfarm was 180 cu. yds; total clean soil hauled from SUGS landfarm to site was 180 cu. yds. |

III. Additional Supporting Documentation:

- A. Table 1: Summary of Laboratory Results
- B. Site Diagram
- C. Initial C-141 Submittal
 - i. Initial C-141 Report
 - ii. Remediation Plan Cover Page
 - iii. Site Remediation Plan Cover Page
 - iv. Site Topography Map
 - v. POD Reports and Downloads
 - vi. Ranking Analysis
 - vii. Site Diagram
 - viii. Site Photographs
- D. Lab Reports
- E. Daily Time Ticket Summary and copy of Daily Time Tickets
- F. Site Photographs

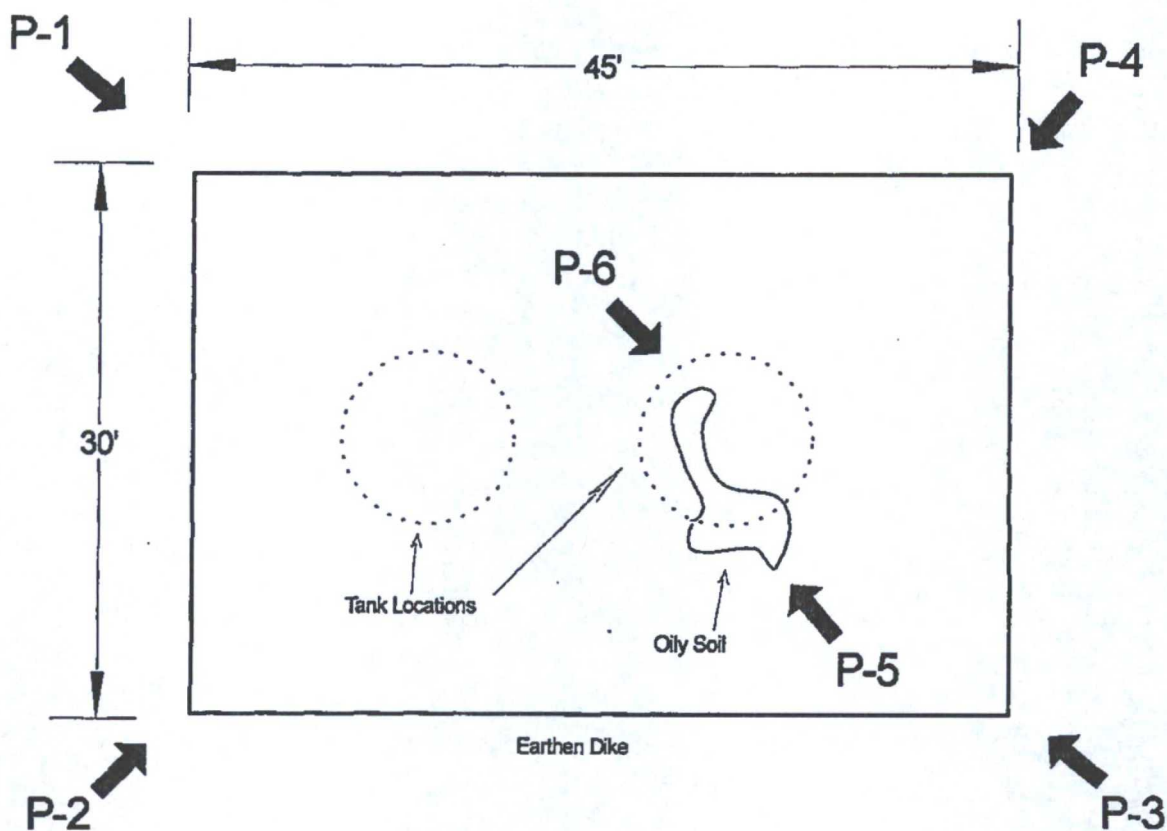
Table 1. Summary of Analytical Results
Site Name: Hwy 18 Drip Tanks; SUGS#: 2008-034; RP#: 2041
Southern Union Gas Services

| Sampling Date | Sample ID/Location | Method SW-8015b | | | Method SW 846-8021b | | | | | SM 4500 |
|--------------------------|--------------------|------------------------|---------------------------|------------------------------|---------------------|------------------|-----------------------|------------------|------------------------|-------------------|
| | | GRO C6-C12 mg/kg | DRO >C12-C-35 mg/kg | Total TPH C6-C35 mg/kg | Benzene mg/kg | Toluene mg/kg | Ethylbenzene mg/kg | Xylenes mg/kg | Total BTEX mg/kg | Chloride mg/kg |
| NMOCD SCREENING CRITERIA | | --- | --- | 5000 | 10 | --- | --- | --- | 50 | 1000 |
| 12/23/08 | PR @ 10' | < 10.0 | < 10.0 | < 10.0 | < 0.050 | < 0.050 | < 0.050 | < 0.300 | < 0.300 | 4440 |
| 12/23/08 | B-COMP. | < 10.0 | < 10.0 | < 10.0 | NA | NA | NA | NA | NA | 1630 |
| 12/23/08 | NW-COMP. | 15.3 | 638 | 653.3 | NA | NA | NA | NA | NA | 432 |
| 12/23/08 | EW-COMP. | < 10.0 | 23.6 | 23.6 | NA | NA | NA | NA | NA | 1040 |
| 12/23/08 | SW-COMP. | < 10.0 | < 10.0 | < 10.0 | NA | NA | NA | NA | NA | 1360 |
| 12/23/08 | WW-COMP. | < 10.0 | 198 | 198 | NA | NA | NA | NA | NA | 304 |
| 12/23/08 | S-COMP. | < 10.0 | < 10.0 | < 10.0 | NA | NA | NA | NA | NA | 33 |
| 12/23/08 | SP-#1-COMP. | 33.0 | 2410 | 2443 | < 0.050 | < 0.050 | < 0.050 | < 0.300 | < 0.300 | 3560 |
| 12/23/08 | SP-#2-COMP. | 172.0 | 1830 | 2002 | NA | NA | NA | NA | NA | 1920 |
| 12/30/08 | PR @ 15' | < 10.0 | < 10.0 | < 10.0 | NA | NA | NA | NA | NA | 576 |
| 12/30/08 | PR @ 20' | < 10.0 | < 10.0 | < 10.0 | NA | NA | NA | NA | NA | 3440 |
| 01/05/09 | SP3-COMP. | NA | NA | NA | NA | NA | NA | NA | NA | 1340 |
| 01/23/09 | SP-1-COMP. | NA | NA | NA | NA | NA | NA | NA | NA | 64 |
| 01/23/09 | SP-2-COMP. | < 10.0 | 187 | 187 | NA | NA | NA | NA | NA | 496 |
| 01/23/09 | SP-3-COMP. | < 10.0 | 242 | 242 | NA | NA | NA | NA | NA | 512 |
| 01/23/09 | SP-4-COMP. | < 10.0 | 184 | 184 | NA | NA | NA | NA | NA | 352 |
| 01/29/11 | P.R. @ 23' | NA | NA | NA | NA | NA | NA | NA | NA | 32 |

Notes:

NA = Not Analysed

ND = Analyte was not detected



Approximate
Scale 1"= 10'



Sketched By:

Photographed By:

Unit ltr. "D"
Section 32
Twrs.-24 S
Range 37E
County-Lea, N.M.
GPS
Lat- 32-10.833 N
Long-103-11.562 W

Southern Union
Gas Services

Site Plan-Hwy 18 Drip Tanks

Lea County Area Jal, N.M.

Job # 2008-034

Figure 1



Southern Union Gas Services

Remediation Plan

@

Hwy 18 Drip Tanks

Project # 2008-034

Unit ltr."D" Section 32 Twns. 24S Range 37E

Lea County, New Mexico

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DEC 19 2008

HOBBSOCD

NMOC D
COPY

Site Remediation Plan

Southern Union Gas Services
Hwy 18 Drip Tanks
2008-034

Unit ltr. D Section 32, Twns. 24S, Range 37E

Waste Management and Remediation Specialist

Signature Tony Savoie

Date: 12/19/08

Tony Savoie
P.O. Box 1226
Jal, New Mexico 88252
575-631-9376
E-mail: tony.savoie@sug.com

New Mexico Office of the State Engineer
POD Reports and Downloads

| | | | | | |
|---------------------------|-------------------------------------|--------------|---|-------------------------------------|----------------|
| Township: | 24S | Range: | 37E | Sections: | 20,29,30,31,32 |
| NAD27 | X: | Y: | Zone: | <input checked="" type="checkbox"/> | Search Radius: |
| County: | <input checked="" type="checkbox"/> | Basin: | <input checked="" type="checkbox"/> | Number: | Suffix: |
| <div></div> | | | | | |
| Owner Name: | (First) | (Last) | <input type="radio"/> Non-Domestic <input type="radio"/> Domestic | | |
| | | | <input checked="" type="radio"/> All | | |
| POD / Surface Data Report | | | Avg. Depth to Water Report | | |
| Water Column Report | | | | | |
| Clear Form | | iWATERS Menu | | Help | |

AVERAGE DEPTH OF WATER REPORT 12/19/2008

| Bsn | Tws | Rng | Sec | Zone | X | Y | Wells | (Depth Water in Feet) | | |
|-----------------------------|-----|-----|-----|------|---|---|-------|-----------------------|-----|-----|
| | | | | | | | | Min | Max | Avg |
| No Records found, try again | | | | | | | | | | |

Hwy 18 Drip Tanks

Job # 2008-034

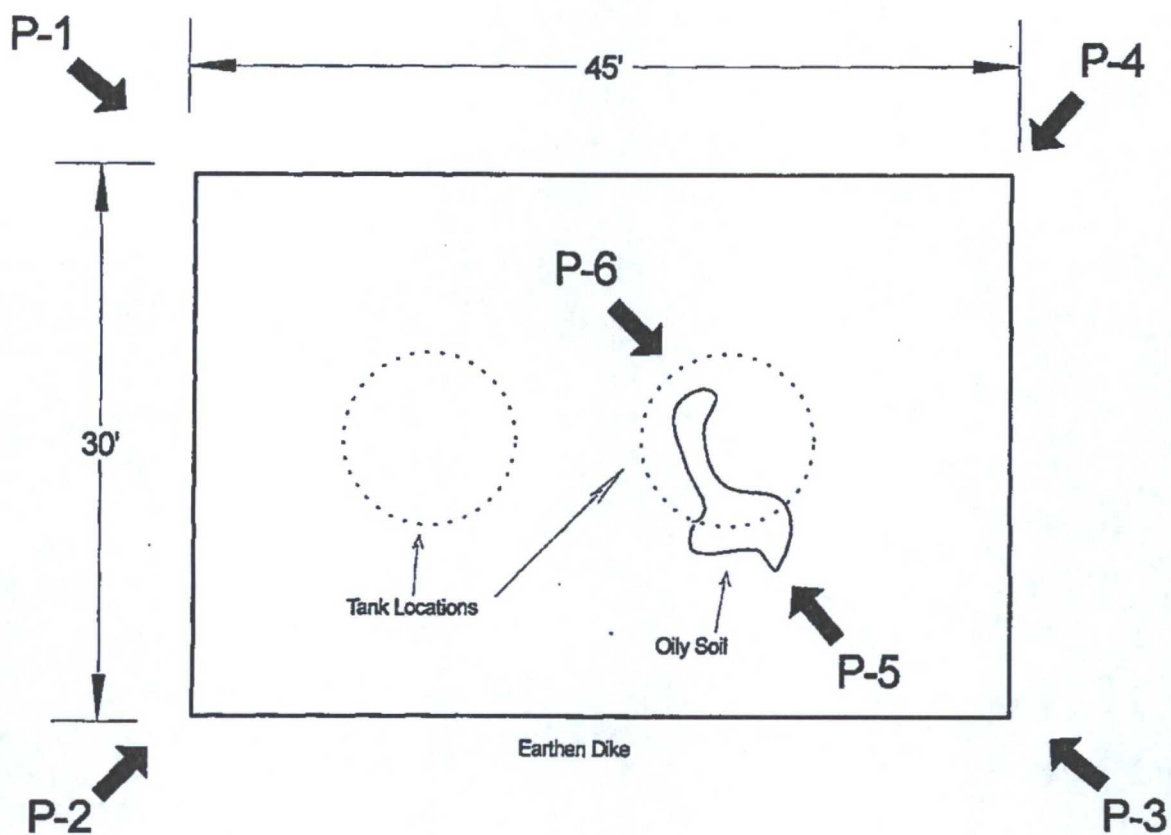
Ranking Analysis

| NMOCD Standards | | | Points |
|--------------------------------|--|-------|--------|
| Depth to Ground Water | Greater than 100 ft. | | 0 |
| Depth to Ground Water | Less than 100 ft. but greater than 50 ft. | | 10 |
| Depth to Ground Water | Less than 50 ft. | | 20 |
| | | | |
| Well Head Protection | Less than 1000 ft. from a water source, or; | Yes | 20 |
| | Less than 200 ft. from private domestic water source | No | 0 |
| | | | |
| Distance to Surface water body | Less than 200 Horizontal. ft. | | 20 |
| Distance to Surface water body | 200 to 1000 Horizontal ft. | | 10 |
| Distance to Surface water body | Greater than 1000 Horizontal ft. | | 0 |
| | | | |
| Action levels | >19 | 10-19 | 0-9 |
| Benzene (mg/kg) | 10 | 10 | 10 |
| BTEX (mg/kg) | 50 | 50 | 50 |
| TPH (mg/kg) | 100 | 1000 | 5000 |

| Site Ranking | | Points |
|-----------------------|-------------------|--------|
| Depth to Ground Water | 115 ft. average | 0 |
| Well Head Protection | 1.06 Horiz. Miles | 0 |
| Surface Water Body | 3,027 Horiz. Ft: | 0 |
| Total Ranking Score | | 0 |

| Site Closure Objective | |
|------------------------|------|
| Benzene (mg/kg) | 10 |
| BTEX (mg/kg) | 50 |
| TPH (mg/kg) "Surface" | 5000 |
| Chloride (mg/kg) | 250 |

| Remediation Plan: | |
|---|--|
| All affected soil will be excavated and sampled for the presence of Hydrocarbons EPA method (8015M) and Chlorides method 4500-Cl-B or 300 S | |
| Soil with TPH values greater than 5000 mg/kg will be transported to the S.U.G.S. Landfarm | |
| Soil with Chloride values greater than 1000 mg/kg will be disposed of in an approved facility | |
| Soil with Chloride value less than 1000 mg/kg but greater than 250 mg/kg will be transported to the S.U.G.S. Landfarm. | |
| Soil samples will be collected from the excavation and analyzed for Hydrocarbons EPA method (8015M) and Chlorides method 4500-Cl-B or 300 S | |
| All samples will be field screened with a "PID" The soil sample with the highest PID reading will be analyzed separately and tested for BTEX. | |



Approximate
Scale 1"= 10'



Sketched By:

Photographed By:

Unit ltr. "D"
Section 32
Twms.-24 S
Range 37E
County-Lea, N.M.
GPS
Lat- 32-10.833 N
Long-103-11.562 W

Southern Union
Gas Services

Site Plan-Hwy 18 Drip Tanks

Lea County Area Jal, N.M.

Job # 2008-034

Figure 1

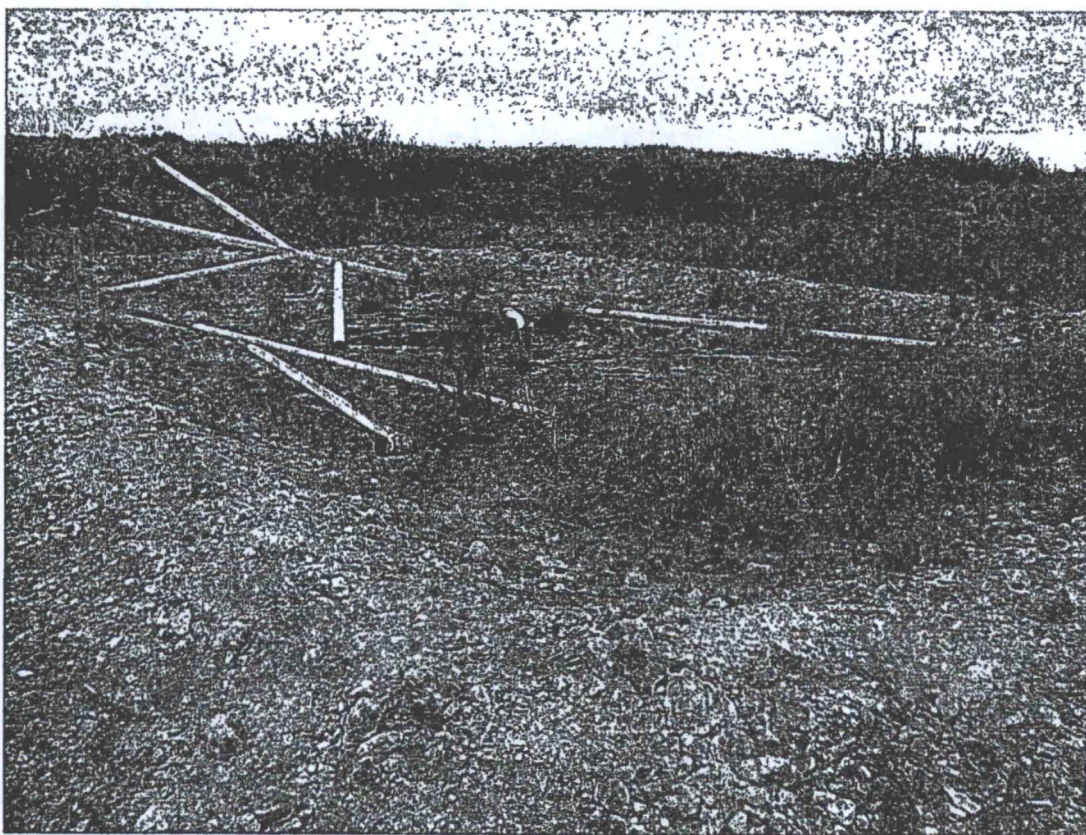


Photo 1



Photo 2

Southern Union Gas Services Site: Hwy 18 Drip Tanks
Job # 2008-034
Site Assessment 12/18/08

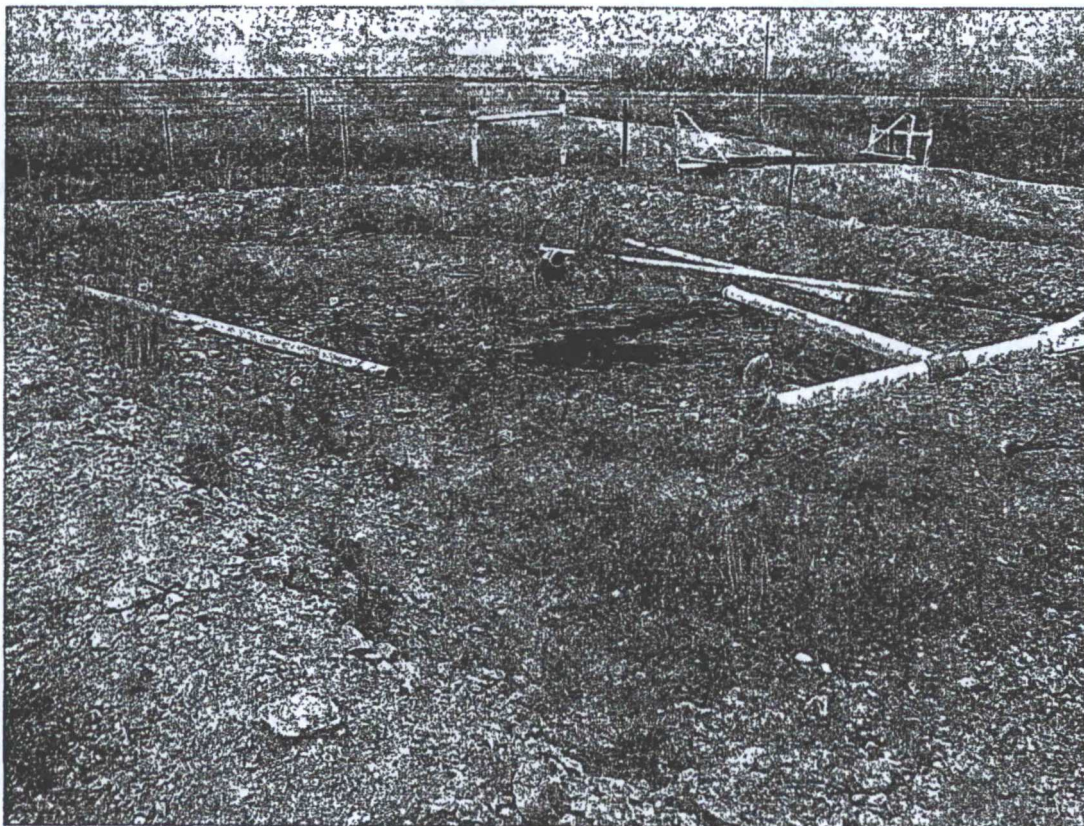


Photo 3

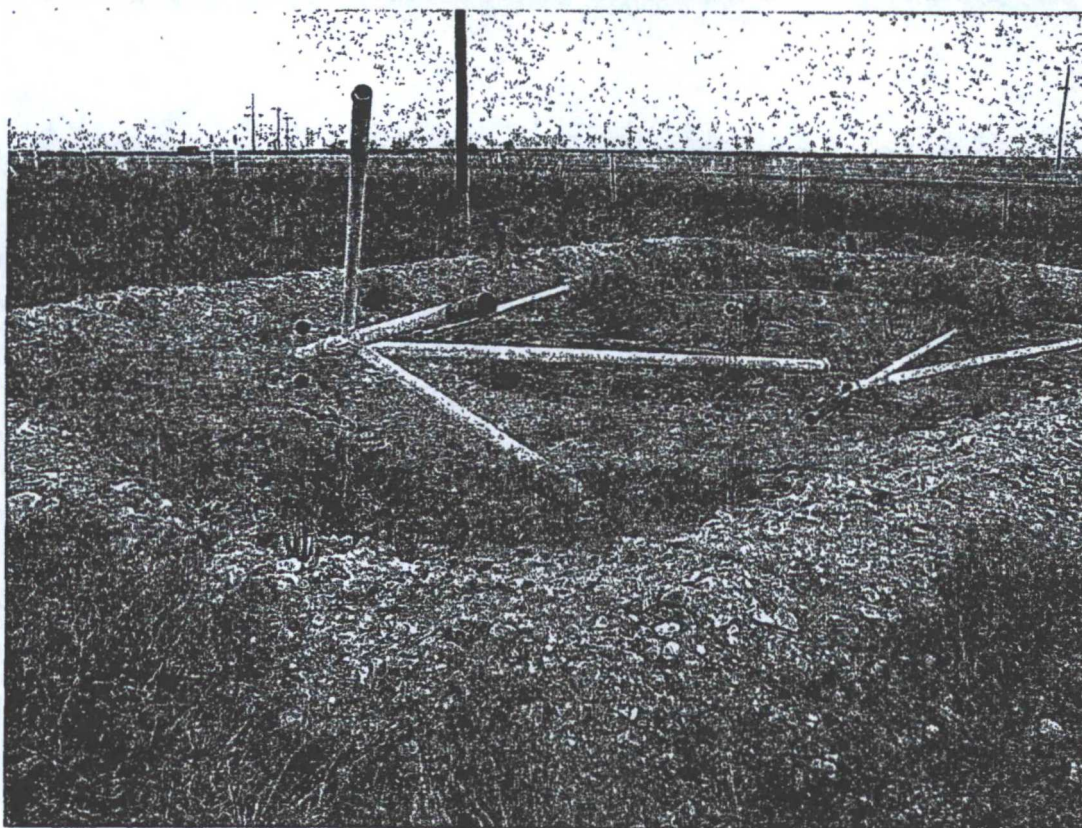


Photo 4

Southern Union Gas Services Site: Hwy 18 Drip Tanks
Job # 2008-034
Site Assessment 12/18/08



Photo 5

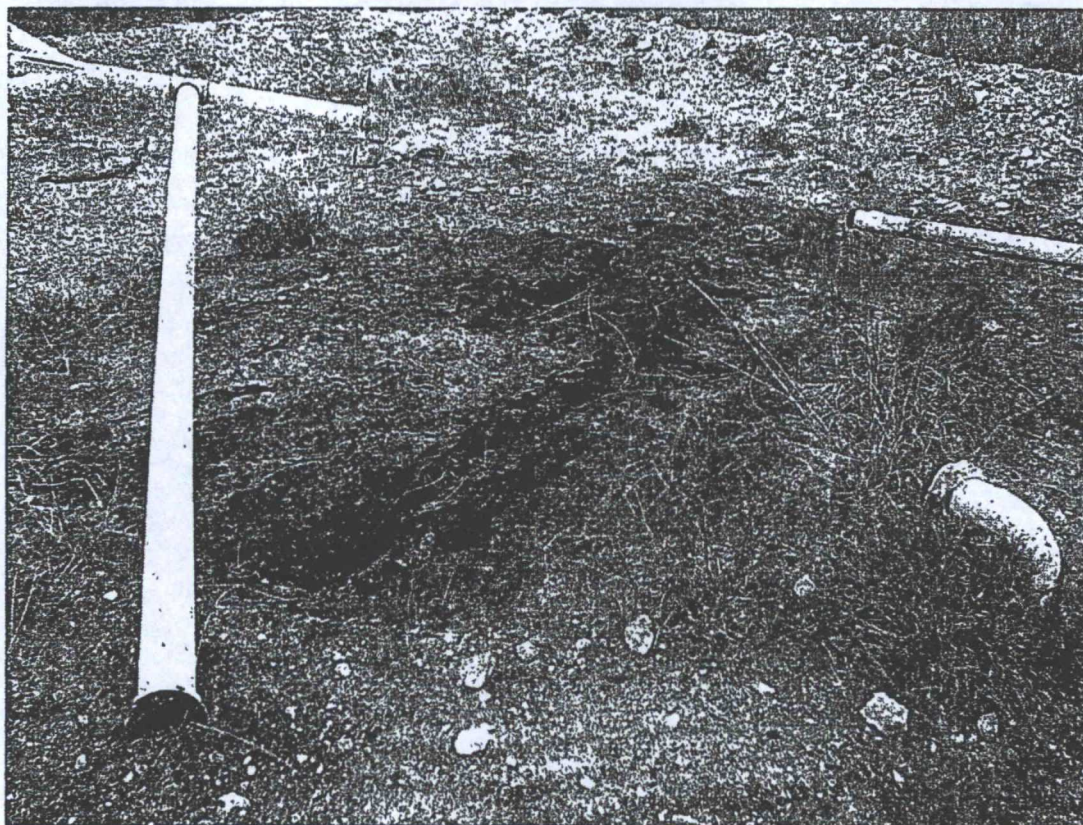


Photo 6

Southern Union Gas Services Site: Hwy 18 Drip Tanks
Job # 2008-034
Site Assessment 12/18/08



ARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
SOUTHERN UNION GAS SERVICES
ATTN: TONY SAVOIE
P.O. BOX 1226
JAL, NM 88252

Receiving Date: 12/23/08
Reporting Date: 12/26/08
Project Number: 2008-034
Project Name: HWY #18 DRIP TANKS
Project Location: NOT GIVEN

Sampling Date: 12/23/08
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: CK
Analyzed By: AB/HM

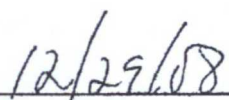
| LAB NUMBER | SAMPLE ID | GRO (C ₆ -C ₁₀) (mg/kg) | DRO (>C ₁₀ -C ₂₈) (mg/kg) | Cl* (mg/kg) |
|-----------------------------|-------------|--|--|----------------|
| | | 12/24/08 | 12/24/08 | 12/24/08 |
| H16582-1 | PR @ 10' | <10.0 | <10.0 | 4,440 |
| H16582-2 | B-COMP. | <10.0 | <10.0 | 1,630 |
| H16582-3 | NW-COMP. | 15.3 | 638 | 432 |
| H16582-4 | EW-COMP. | <10.0 | 23.6 | 1,040 |
| H16582-5 | SW-COMP. | <10.0 | <10.0 | 1,360 |
| H16582-6 | WW-COMP. | <10.0 | 198 | 304 |
| H16582-7 | S-COMP. | <10.0 | <10.0 | 33 |
| H16582-8 | SP-#1-COMP. | 33.0 | 2,410 | 3,560 |
| H16582-9 | SP-#2-COMP. | 172 | 1,830 | 1,920 |
| Quality Control | | 435 | 500 | 500 |
| True Value QC | | 500 | 500 | 500 |
| % Recovery | | 87.0 | 100 | 100 |
| Relative Percent Difference | | 5.3 | 6.5 | < 0.1 |

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl*: Std. Methods 4500-Cl*B

*Analyses performed on 1:4 w:v aqueous extracts.



Chemist



Date

H16582 TCL SUGS

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



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
SOUTHERN UNION GAS SERVICES
ATTN: TONY SAVOIE
P.O. BOX 1226
JAL, NM 88252

Receiving Date: 12/23/08
Reporting Date: 12/24/08
Project Number: 2008-034
Project Name: HWY#18 DRIP TANKS
Project Location: NOT GIVEN

Sampling Date: 12/23/08
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: CK
Analyzed By: ZL

| LAB NUMB | SAMPLE ID | ETHYL | | TOTAL |
|-----------------------------|-----------|----------|----------|----------|
| | | BENZENE | TOLUENE | |
| | | (mg/kg) | (mg/kg) | (mg/kg) |
| ANALYSIS DATE | | 12/23/08 | 12/23/08 | 12/23/08 |
| H16582-1 PR@10' | | <0.050 | <0.050 | <0.300 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| Quality Control | | 0.052 | 0.050 | 0.152 |
| True Value QC | | 0.050 | 0.050 | 0.150 |
| % Recovery | | 104 | 100 | 101 |
| Relative Percent Difference | | 1.9 | 2.8 | <1.0 |

METHOD: EPA SW-846 8021B

TEXAS NELAP CERTIFICATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,
AND TOTAL XYLENES.

Chemist

Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise. Result relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



ARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
SOUTHERN UNION GAS SERVICES
ATTN: TONY SAVOIE
P.O. BOX 1226
JAL, NM 88252

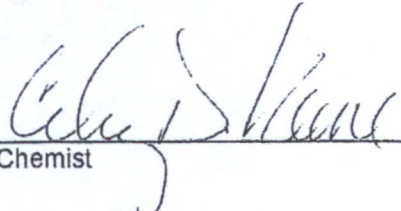
Receiving Date: 12/30/08
Reporting Date: 12/31/08
Project Number: 2008-034
Project Name: HWY. #18 DRIP TANKS
Project Location: CRAWFORD RANCH

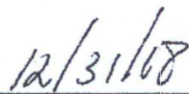
Sampling Date: 12/30/08
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: CK
Analyzed By: AB/TR

| LAB NUMBER | SAMPLE ID | GRO (C ₆ -C ₁₀) (mg/kg) | DRO (>C ₁₀ -C ₂₈) (mg/kg) | CI* (mg/kg) |
|-----------------------------|-----------|--|--|----------------|
| | | 12/30/08 | 12/30/08 | 12/30/08 |
| H16591-1 | PR@15' | <10.0 | <10.0 | 576 |
| H16591-2 | PR@20' | <10.0 | <10.0 | 3,440 |
| | | | | |
| | | | | |
| | | | | |
| Quality Control | | 456 | 532 | 500 |
| True Value QC | | 500 | 500 | 500 |
| % Recovery | | 91.2 | 106 | 100 |
| Relative Percent Difference | | 3.6 | 1.1 | <0.1 |

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CI-B

*Analyses performed on 1:4 w:v aqueous extracts.


Chemist


Date

H16591 TCL SUGS

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Page 1 of 1

| | | | | | | | | | | | | | | | |
|--|---------------|--|--------------|--|-----------------|---|----------|----------|-------------|-------------|-------------|--|--|--|--|
| Company Name: <u>S.H.G.S.</u> | | BILL TO | | ANALYSIS REQUEST | | | | | | | | | | | |
| Project Manager: <u>Tony Sarvoia</u> | | P.O. #: | | | | | | | | | | | | | |
| Address: <u>610 Commerce</u> | | Company: | | | | | | | | | | | | | |
| City: <u>JAL</u> | | Attn: | | | | | | | | | | | | | |
| Phone #: <u>595-398-2116</u> | | Address: | | | | | | | | | | | | | |
| Project #: <u>2008-034</u> | | City: | | | | | | | | | | | | | |
| Project Name: <u>Hwy. #18 Drip Tanks</u> | | State: | | | | | | | | | | | | | |
| Project Location: <u>Crowfoot Ranch</u> | | Phone #: | | | | | | | | | | | | | |
| Sampler Name: <u>Don Deen</u> | | Fax #: | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | | | | | | | | | | | | |
| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX | | | | PRESERV. | SAMPLING | | | | | | |
| | | | | GROUNDWATER | | | | | | | | | | | |
| | | | | WASTEWATER | | | | | | | | | | | |
| | | | | SOIL | | | | | | | | | | | |
| | | | | OIL | | | | | | | | | | | |
| | | | | SLUDGE | | | | | | | | | | | |
| | | | | OTHER: | | | | | | | | | | | |
| | | | | ACID/BASE: | | | | | | | | | | | |
| | | | | ICE / COOL | | | | | | | | | | | |
| | | | | OTHER: | | | | | | | | | | | |
| | | | | | DATE | TIME | | | | | | | | | |
| <u>H16591-</u> | <u>PRQ15'</u> | <u>G 1</u> | <u>1</u> | | <u>12/30/08</u> | <u>11:00</u> | <u>✓</u> | <u>✓</u> | <u>5108</u> | <u>HALL</u> | <u>></u> | | | | |
| <u>2</u> | <u>PRQ20'</u> | <u>G 1</u> | <u>1</u> | | <u>11:20</u> | | | | | | | | | | |
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| Sampler Relinquished: | | Date: <u>12/30/08</u> | | Received By: <u>Don Deen</u> | | Phone Result: <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: | | | | | | | | | |
| Relinquished By: <u>Don Deen</u> | | Time: <u>12:41</u> | | Received By: <u>Don Deen</u> | | Fax Result: <input type="checkbox"/> No <input type="checkbox"/> Add'l Fax #: | | | | | | | | | |
| Delivered By: (Circle One) | | Temp. <u>12:41</u> | | Sample Condition: <u>Intact</u> | | CHECKED BY: <u>Don Deen</u> | | | | | | | | | |
| Sampler - UPS - Bus - Other: | | <input type="checkbox"/> Yes <input type="checkbox"/> No | | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | | | | | | |



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ANALYTICAL RESULTS FOR
SOUTHERN UNION GAS SERVICES
ATTN: TONY SAVOIE
P.O. BOX 1226
JAL. NM 88252

Receiving Date: 01/06/09
Reporting Date: 01/06/09
Project Number: 2008-034
Project Name: HWY. #18 DRIP TANK
Project Location: CRAWFORD RANCH

Analysis Date: 01/06/09
Sampling Date: 01/05/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AB
Analyzed By: TR

| LAB NO. | SAMPLE ID | C ⁻ (mg/kg) |
|-----------------------------|-----------|---------------------------|
| H16608-1 | SP3-COMP. | 1,340 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| Quality Control | | 500 |
| True Value QC | | 500 |
| % Recovery | | 100 |
| Relative Percent Difference | | < 0.1 |

4500-CIB

Note: Analysis performed on a 1:4 w:v aqueous extract.

[Signature]
Chemist

01-07-09
Date

H16608 SUGS

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ANALYTICAL RESULTS FOR
SOUTHERN UNION GAS SERVICES
ATTN: TONY SAVOIE
P.O. BOX 1226
JAL, NM 88252


Receiving Date: 01/23/09
Reporting Date: 01/26/09
Project Number: 2008-034
Project Name: HWY. #18 DRIP TANKS
Project Location: CRAWFORD RANCH

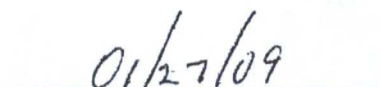
Analysis Date: 01/25/09
Sampling Date: 01/23/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: HM
Analyzed By: HM

| LAB NO. | SAMPLE ID | Cl ⁻ (mg/kg) |
|-----------------------------|------------|----------------------------|
| H16747-1 | SP-1-COMP. | 64 |
| H16747-2 | SP-2-COMP. | 496 |
| H16747-3 | SP-3-COMP. | 512 |
| H16747-4 | SP-4-COMP. | 352 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| Quality Control | | 500 |
| True Value QC | | 500 |
| % Recovery | | 100 |
| Relative Percent Difference | | < 0.1 |

| | |
|--------------------------|------------------------|
| METHOD: Standard Methods | 4500-Cl ⁻ B |
|--------------------------|------------------------|

Note: Analyses performed on 1:4 w:v aqueous extracts.


Chemist


Date

H16747 SUGS

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ANALYTICAL RESULTS FOR
SOUTHERN UNION GAS SERVICES
ATTN: TONY SAVOIE
P.O. BOX 1226
JAL, NM 88252

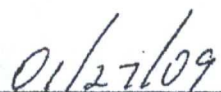
Receiving Date: 01/23/09
Reporting Date: 01/27/09
Project Number: 2008-034
Project Name: HWY. #18 DRIP TANKS
Project Location: CRAWFORD RANCH

Sampling Date: 01/23/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: HM
Analyzed By: AB

| LAB NUMBER | SAMPLE ID | GRO (C ₆ -C ₁₀) (mg/kg) | DRO (>C ₁₀ -C ₂₈) (mg/kg) |
|-----------------------------|------------|--|--|
| | | 01/26/09 | 01/26/09 |
| H16747-2 | SP-2-COMP. | <10.0 | 187 |
| H16747-3 | SP-3-COMP. | <10.0 | 242 |
| H16747-4 | SP-4-COMP. | <10.0 | 184 |
| Quality Control | | 450 | 513 |
| True Value QC | | 500 | 500 |
| % Recovery | | 90.0 | 103 |
| Relative Percent Difference | | 4.3 | 2.4 |

METHODS: TPH GRO & DRO: EPA SW-846 8015 M


Chemist


Date

H16747 T SUGS

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Page 2 of 2

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ANALYTICAL RESULTS FOR
SOUTHERN UNION GAS SERVICES
ATTN: TONY SAVOIE
P.O. BOX 1228
JAL, NM 88252

Receiving Date: 01/29/09
Reporting Date: 01/29/09
Project Number: 2008-034
Project Name: HWY. #18 DRIP TANKS
Project Location: CRAWFORD RANCH

Analysis Date: 01/29/09
Sampling Date: 01/29/08
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AB
Analyzed By: TR

| LAB NO. | SAMPLE ID | Cl ⁻ (mg/kg) |
|-----------------------------|------------|----------------------------|
| H16783-1 | P.R. @ 23' | 32 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| Quality Control | | 500 |
| True Value QC | | 500 |
| % Recovery | | 100 |
| Relative Percent Difference | | < 0.1 |

| | |
|--------------------------|----------|
| METHOD: Standard Methods | 4500-CIB |
|--------------------------|----------|

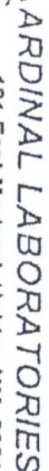
Note: Analysis performed on a 1:4 w:v aqueous extract.

Chemist

Date 01/29/09

H16783 SUGS

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Page 1 of 1[illegible]

Daily Time Ticket Summary

Company Southern Union Gas Services
State NM
Location Hwy 18 Drip Tanks
Charge 2008-034
Job Number PO# 61611

| Date | Description of Work |
|------------|---|
| 12/17/2008 | Obtain driving directions, take one call |
| 12/19/2008 | Haul equipment to job site |
| | Remove old fence |
| | Run locator |
| | Remove pipeline and haul to shoals comp. site |
| 12/22/2008 | Excavate 3" pipe |
| | Finish excavating 3" pipe |
| | Disconnect piping |
| 12/23/2008 | Excavate, load, and haul soil to land farm |
| | Excavate and stockpile soil |
| | Collect samples |
| | Run P.I.D. |
| | Jar samples and deliver to lab |
| 1/5/2009 | Install safety fence |
| 1/19/2009 | Sample soil pile and deliver to lab |
| | Remove caliche from work area |
| | Load and haul caliche |
| | Spread excavated soil to blend |
| 1/20/2009 | Load and haul clean soil from land farm |
| | Blend soil |
| | Isolate and blend soil at land farm |
| | Finish removing caliche |
| 1/21/2009 | Spread contaminated soil |
| | Load and haul clean soil from land farm |
| 1/22/2009 | Blend soil |
| | Isolate and blend soil at land farm |
| 1/23/2009 | Haul soil from land farm |
| | Blend soil |
| | Blend soil |
| | Collect samples |
| 1/29/2009 | Run P.I.D. |
| | Jar samples and deliver to lab |
| | Install safety fence |
| 1/29/2009 | Backfill and clean up |
| | Move equipment |

DAILY
TIME TICKET

OCOTILLO ENVIRONMENTAL, LLC

P.O. BOX 1816 • HOBBS, NM 88241 • PHONE (575) 393-6371

80391

Company SOUTHERN UNION GAS SERVICES Date 12-17-08
Location Hwy. #18, LAIP TANKS State N.M.
Charge 2008-034
Job # PO#61611 Travel Time _____
Description of Work OBTAIN DRIVING DIRECTIONS + MAKE ONE-CALL

DAILY
TIME TICKET

OCOTILLO ENVIRONMENTAL, LLC

P.O. BOX 1816 • HOBBS, NM 88241 • PHONE (575) 393-6371

~~811~~ 8041

Company SOUTHERN UNION GAS SERVICES Date 12-19-08
Location HWY. #18 DRIP TANKS State NM
Charge 2008-034
Job # PO# 61611 Travel Time _____
Description of Work HAUL EQUIPMENT TO JOBSITE - REMOVE OLD FENCE, RUN LOCATOR, REMOVE
PIPEING & HAUL TO SHOALS COMP. SITE. EXCAVATE 3" PIPE

REGULAR TIME

OVERTIME

DAILY
TIME TICKET

OCOTILLO ENVIRONMENTAL, LLC

P.O. BOX 1816 • HOBBS, NM 88241 • PHONE (575) 393-6371

 8042

Company SOUTHERN UNION GAS SERVICES Date 12-22-08
Location Hwy. #18 DAIRY TANKS State NM
Charge 2008-034
Job # PO # 61611 Travel Time _____
Description of Work FINISH EXCAVATE 3" PIPE, DISCONNECT PIPELINE. EXCAVATE & LOAD & HAUL SOIL
TO LAND FARM

DAILY
TIME TICKET

OCOTILLO ENVIRONMENTAL, LLC

P.O. BOX 1816 • HOBBS, NM 88241 • PHONE (575) 393-6371

8043

Company SOUTHERN UNION GAS SERVICES

Date 12-23-08

Location Hwy. #18 DRIP TANKS

State N.M.

Charge 2008-034

Job # PO#61611

Travel Time _____

Description of Work EXCAVATE STOCKPILE SOIL, COLLECT SAMPLES, RUN P.I.D., JAR SAMPLES, & DELIVER TO LAB. INSTALL SAFETY FENCE

DAILY
TIME TICKET

OCOTILLO ENVIRONMENTAL, LLC

P.O. BOX 1816 • HOBBS, NM 88241 • PHONE (575) 393-6371

8058

Company SOUTHERN UNION GAS SERVICES Date 1-2-09
Location Hwy. #18 drip TANKS State N.M.
Charge 2008-034
Job # PO # 61611 Travel Time _____
Description of Work SAMPLE SOIL PILE & DELIVER TO LAB.

DAILY
TIME TICKET

OCOTILLO ENVIRONMENTAL, LLC

P.O. BOX 1816 • HOBBS, NM 88241 • PHONE (575) 393-6371

000000000000

Company SOUTHERN UNION GAS SERVICES Date 1-19-09
Location Hwy. #18 DRIP TANKS State N.M.
Charge 2008-034
Job # PO BOX 1816 PO # 75939 Travel Time _____
Description of Work REMOVE CALICHE FROM WORK AREA, LOAD & HAUL CALICHE, SPREAD
EXCAVATED SOIL TO BLEND, LOAD & HAUL CLEAN SOIL FROM LAND FARM

DAILY
TIME TICKET

OCOTILLO ENVIRONMENTAL, LLC

P.O. BOX 1816 • HOBBS, NM 88241 • PHONE (575) 393-6371

8065

Company SOUTHERN UNION GAS SERVICES Date 1-20-09

Location HWY. #18 DRIP TANKS State N.M.

Charge 2008-034

Job # ~~PO~~ PO# 75939 Travel Time _____

Description of Work FINISH REMOVE CALICHE, SPREAD CONTAMINATED SOIL... ROAD LOOSELY HAUL
CLEAN SOIL FROM LAND FARM, BLEND SOIL, ISOLATED BLEND SOIL A LAND FARM

REGULAR TIME

OVERTIME

DAILY
TIME TICKET

OCOTILLO ENVIRONMENTAL, LLC

P.O. BOX 1816 • HOBBS, NM 88241 • PHONE (575) 393-6371

8070

Company SOUTHERN UNION GAS SERVICES Date 1-21-09
Location Hwy. #18 Drip Tanks State N.M.
Charge 2008-034
Job # 2008000 PO#75939 Travel Time _____
Description of Work HAUL SOIL FROM LANDFARM & BLEND SOIL

DAILY
TIME TICKET

OCOTILLO ENVIRONMENTAL, LLC

P.O. BOX 1816 • HOBBS, NM 88241 • PHONE (575) 393-6371

NE 8072

Company SOUTHERN UNION GAS SERVICES Date 1-22-09
Location Hwy. #18 DRIP TANKS State N.M.
Charge 2008-034
Job # ~~000000~~ PO #75939 Travel Time _____
Description of Work BLEND SOIL

DAILY
TIME TICKET

OCOTILLO ENVIRONMENTAL, LLC

P.O. BOX 1816 • HOBBS, NM 88241 • PHONE (575) 393-6371

8074

Company SOUTHERN UNION GAS SERVICES Date 1-23-09
Location HWY. #18 DRIP TANKS State N.M.
Charge 2008-034
Job # RODOLFO PO # 75939 Travel Time _____
Description of Work BLEND SOIL, COLLECT SAMPLES, RUN P.I.D., JAR SAMPLES & DELIVER
TO LAB - INSTALL SAFETY FENCE

DAILY
TIMETICKET

OCOTILLO ENVIRONMENTAL, LLC

P.O. BOX 1816 • HOBBS, NM 88241 • PHONE (575) 393-6371

N2 8078

Company SOUTHEASTERN UNION GAS SERVICES Date 1-29-09
Location HWY. #18 DRIP TANKS State NM.
Charge 2008-034
Job # PO # 75939 Travel Time _____
Description of Work BACKFILL & CLEANUP. MOVE EQUIPMENT

2008-034

180 cy to landfarm

180cy from landfarm

2008 48 cy to LF

2009 132 cy to LF
180 cy from LF

ENTAL, LLC.

PER HOUR \$

MP TRUCK # 1107 DATE 12-22-08

DS 48 RATE TOTAL

ED CA NO

1 22 23 24 25 26 27 28 29 30 RATE LOADS TOTAL

4



Photo 1



Photo 2

**Southern Union Gas Services Site: Hwy 18 Drip Tanks
Job # 2008-034
Site Assessment 12/18/2008**



Photo 3



Photo 4

**Southern Union Gas Services Site: Hwy 18 Drip Tanks
Job # 2008-034
Site Assessment 12/18/2008**



Photo 5



Photo 6

**Southern Union Gas Services Site: Hwy 18 Drip Tanks
Job # 2008-034
Site Assessment 12/18/2008**