

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

Form C-141  
Revised October 10, 2003

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

**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: Irwin Boyd | Mineral Owner: Federal | Lease No. 30-025-102-77 |
|---------------------------|------------------------|-------------------------|

**LOCATION OF RELEASE**

| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|--------|
| G           | 15      | 22S      | 37E   |               |                  |               |                | Lea    |

Latitude N32 23.667 Longitude W103 8.939

**NATURE OF RELEASE**

|  |   |   |
|--|---|---|
| Type of Release : Natural Gas  | Volume of Release: Unkown                 | Volume Recovered None                                 |
| Source of Release : 12" Natural Gas Pipeline   | Date and Hour of Occurrence Unknown       | Date and Hour of Discovery 5/22/08<br>Time: 8:00 a.m. |
| Was Immediate Notice Given?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom?                          |   |
| By Whom?   | Date and Hour:                            |   |
| Was a Watercourse Reached?<br><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.\*  
A 6" natural gas pipeline had apparently leaked at sometime prior to the construction of a caliche well pad over the leak location. Chesapeake Company employed EPI to remove the caliche pad and restore the surface back to pasture land under the direction of the BLM. While removing the caliche the discolored soil was discovered and reported to Southern Union Gas Services.

Describe Area Affected and Cleanup Action Taken. On 5/29/08 a Site Assessment was performed to determine if the pipeline was still active or leaking. It was determined that the affected area of leaking pipe had previously been repaired. Approximately 3080 Sq. ft. of pasture was affected by the release. Remediation activities will follow the NMOCD guidelines.

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

|  |   |                          |
|--|---|--------------------------|
| Signature: <i>Tony Savoie</i>          | <b>OIL CONSERVATION DIVISION</b>  |                          |
| Printed Name: John A. Savoie           | Approved by District Supervisor: <i>J. Johnson</i><br><b>ENVIRONMENTAL ENGINEER</b> |                          |
| Title: Remediation Supervisor          | Approval Date: 6-11-08  | Expiration Date: 8-11-08 |
| E-mail Address: tony.savoie@sug.com    | Conditions of Approval: <i>Submitted Final C-141 by IRP# 1877</i>                   |                          |
| Date: 6/12/08      Phone: 575-395-2116 | Attached <input type="checkbox"/>   |                          |

\* Attach Additional Sheets If Necessary

PCOHD 816536263

**RECEIVED**  
JUN 12 2008  
**HOBBS OCD**



## Remediation Plan

@

6" Lateral

Project # 2008-016

Unit ltr."G" Section 15 Twns. 22S Range 37E

Lea County, New Mexico

**RECEIVED**

JUN 12 2008

**HOBBS OCD**

# Site Remediation Plan

Southern Union Gas Services  
6" Lateral  
2008-016

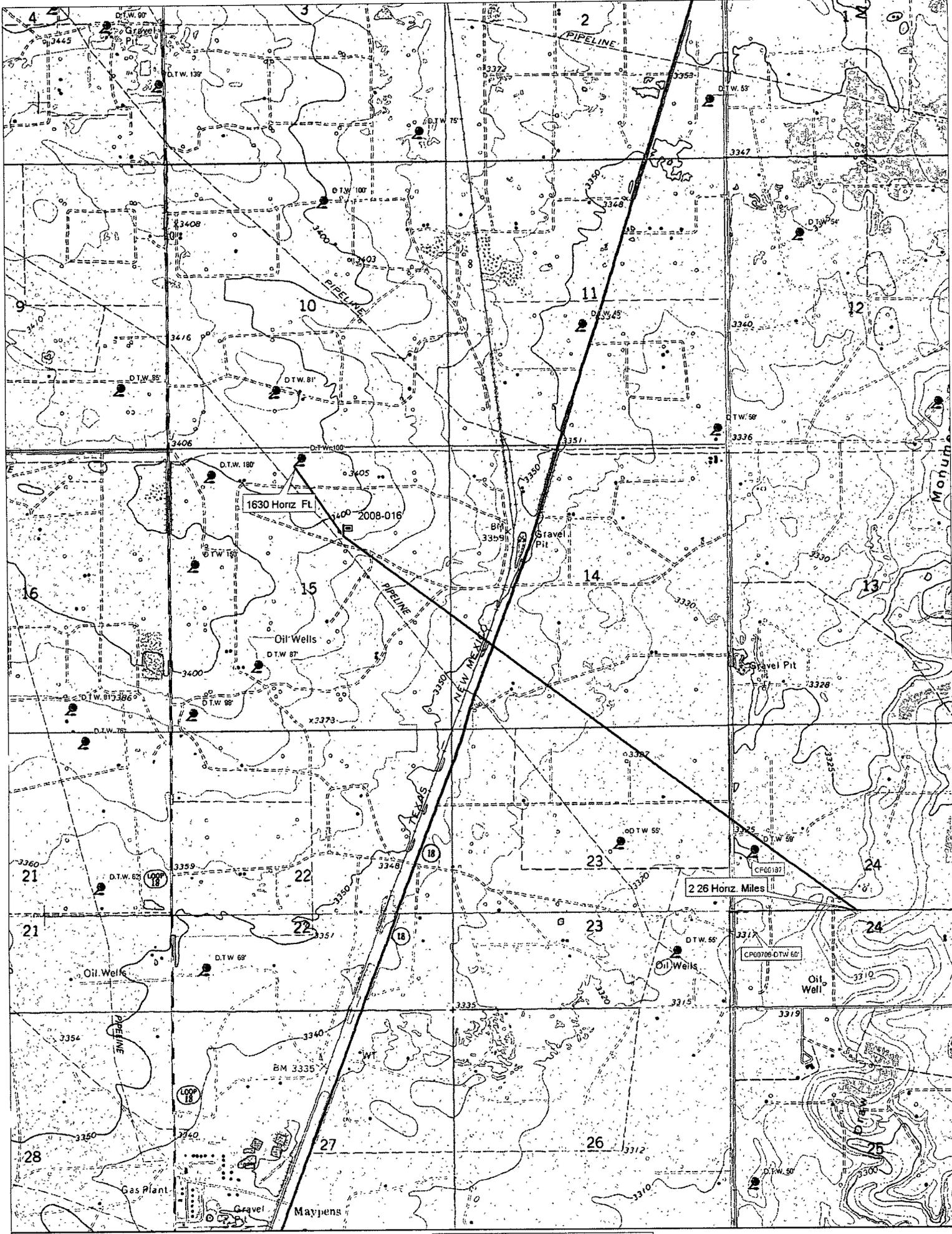
Unit ltr. G Section 15, Twns. 22S, Range 37E

Waste Management and Remediation Specialist

Signature Tony Savoie

Date: 6/12/08

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



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**New Mexico Office of the State Engineer  
POD Reports and Downloads**

Township: 22S Range: 37E Sections: 15

NAD27 X: \_\_\_\_\_ Y: \_\_\_\_\_ Zone:  Search Radius: \_\_\_\_\_

County:  Basin: \_\_\_\_\_  Number: \_\_\_\_\_ Suffix: \_\_\_\_\_

Owner Name: (First) \_\_\_\_\_ (Last) \_\_\_\_\_  Non-Domestic  Domestic  
 All

**AVERAGE DEPTH OF WATER REPORT 06/12/2008**

| Bsn | Tws | Rng | Sec | Zone | X | Y | Wells | (Depth Water in Feet) |     |     |
|-----|-----|-----|-----|------|---|---|-------|-----------------------|-----|-----|
|     |     |     |     |      |   |   |       | Min                   | Max | Avg |
| CP  | 22S | 37E | 15  |      |   |   | 7     | 75                    | 185 | 125 |

Record Count: 7

**New Mexico Office of the State Engineer  
POD Reports and Downloads**

Township: 22S | Range: 37E | Sections: 15

NAD27 X: \_\_\_\_\_ Y: \_\_\_\_\_ Zone:  Search Radius: \_\_\_\_\_

County:  Basin: \_\_\_\_\_  Number: \_\_\_\_\_ Suffix: \_\_\_\_\_

Owner Name: (First) \_\_\_\_\_ (Last) \_\_\_\_\_  Non-Domestic  Domestic  
 All

WATER COLUMN REPORT 06/12/2008

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

| POD Number | Tws | Rng | Sec | q | q | q | Zone | X | Y | Depth Well | Depth Water | Water Column |
|------------|-----|-----|-----|---|---|---|------|---|---|------------|-------------|--------------|
| CP 00708   | 22S | 37E | 15  |   |   |   |      |   |   | 200        | 185         | 1            |
| CP 00699   | 22S | 37E | 15  | 1 |   |   |      |   |   | 163        | 100         | 6            |
| CP 00684   | 22S | 37E | 15  | 1 | 1 |   |      |   |   | 200        | 180         | 2            |
| CP 00674   | 22S | 37E | 15  | 1 | 1 |   |      |   |   | 100        | 75          | 2            |
| CP 00675   | 22S | 37E | 15  | 1 | 2 | 2 |      |   |   | 100        |             |              |
| CP 00662   | 22S | 37E | 15  | 1 | 3 | 3 |      |   |   | 180        | 150         | 3            |
| CP 00679   | 22S | 37E | 15  | 3 | 3 |   |      |   |   | 164        | 98          | 6            |
| CP 00709   | 22S | 37E | 15  | 3 | 4 | 2 |      |   |   | 200        | 87          | 11           |

Record Count: 8

# STATE LAND OFFICE DATA ACCESS

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[Go Tech](#)
**NM State Land  
and Office**

## land details

 \* Section:  \* Township:  \* Range: 

Example: 33                      09S                      26E







16 Records found.

### Unit Boundaries

| Unit Letter | Lot | Tract | Qtr/Qtr | Surface Owner | Sub Surface Owner | Acreage | Lease Number | Lease Type | County | Land Restriction | Land Rema |
|-------------|-----|-------|---------|---------------|-------------------|---------|--------------|------------|--------|------------------|-----------|
| A           |     |       | NE4NE4  | Fee           | Federal           | 40.00   | --           | --         | Lea    |                  |           |
| B           |     |       | NW4NE4  | Fee           | Federal           | 40.00   | --           | --         | Lea    |                  |           |
| C           |     |       | NE4NW4  | Fee           | Fee               | 40.00   | --           | --         | Lea    |                  |           |
| D           |     |       | NW4NW4  | Fee           | Fee               | 40.00   | --           | --         | Lea    |                  |           |
| E           |     |       | SW4NW4  | Fee           | Fee               | 40.00   | --           | --         | Lea    |                  |           |
| F           |     |       | SE4NW4  | Fee           | Fee               | 40.00   | --           | --         | Lea    |                  |           |
| G           |     |       | SW4NE4  | Fee           | Federal           | 40.00   | --           | --         | Lea    |                  |           |
| H           |     |       | SE4NE4  | Fee           | Federal           | 40.00   | --           | --         | Lea    |                  |           |
| I           |     |       | NE4SE4  | Fee           | Federal           | 40.00   | --           | --         | Lea    |                  |           |
| J           |     |       | NW4SE4  | Fee           | Federal           | 40.00   | --           | --         | Lea    |                  |           |
| K           |     |       | NE4SW4  | Fee           | Fee               | 40.00   | --           | --         | Lea    |                  |           |
| L           |     |       | NW4SW4  | Fee           | Fee               | 40.00   | --           | --         | Lea    |                  |           |
| M           |     |       | SW4SW4  | Fee           | Fee               | 40.00   | --           | --         | Lea    |                  |           |
| N           |     |       | SE4SW4  | Fee           | Fee               | 40.00   | --           | --         | Lea    |                  |           |
| O           |     |       | SW4SE4  | Fee           | Federal           | 40.00   | --           | --         | Lea    |                  |           |
| P           |     |       | SE4SE4  | Fee           | Federal           | 40.00   | --           | --         | Lea    |                  |           |

If you have any questions about the data or this site please contact Joe Mraz (jmraz@slo.state.nm.us) of t State Land Office.

Site maintained by the PRRC, webmaster gotech\_prcc@yahoo.com

# 6" Lateral Job # 2008-016 Ranking Analysis

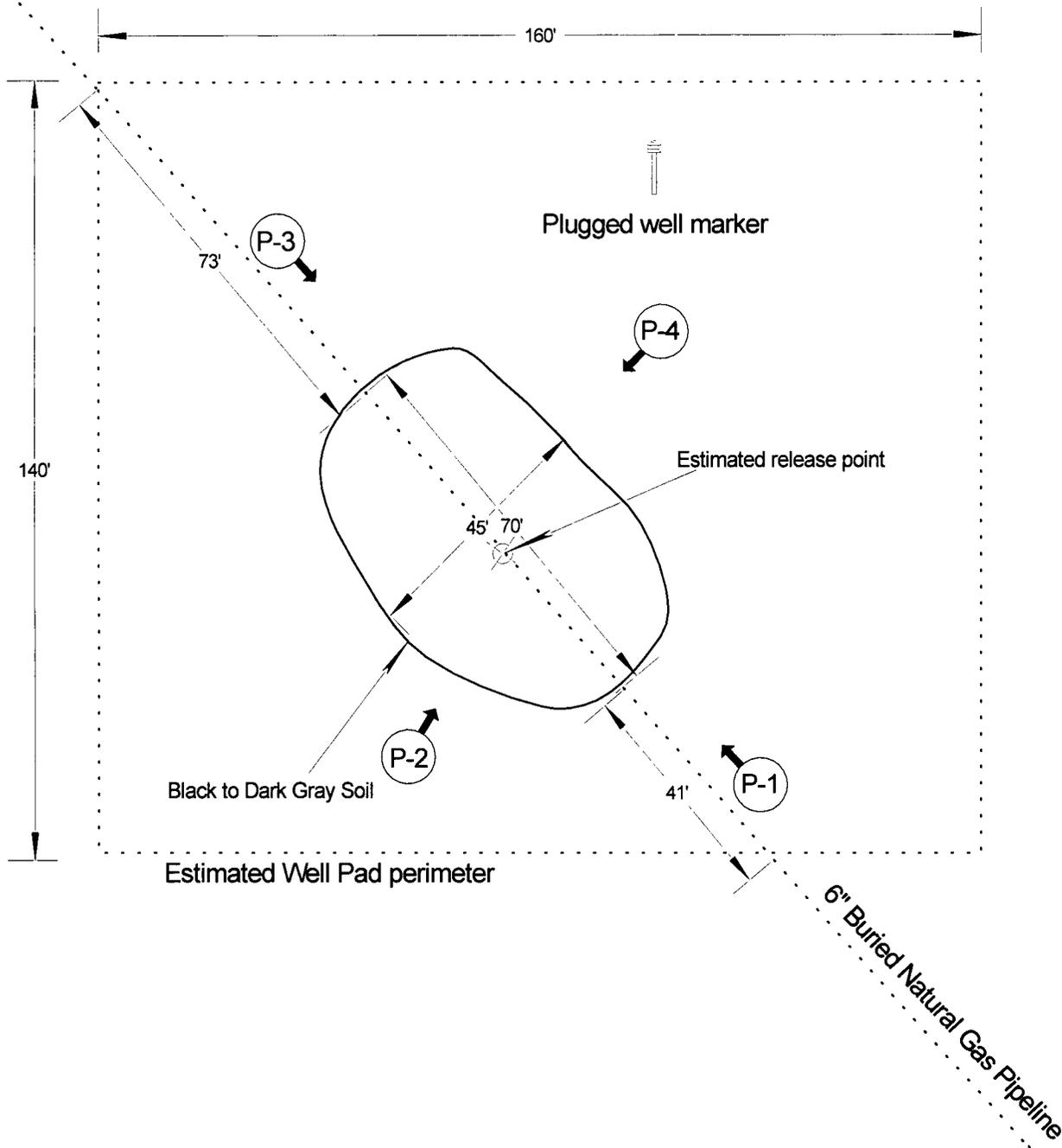
| NMOCD Standards                |  |              | Points     |
|--------------------------------|--|--------------|------------|
| Depth to Ground Water          | Greater than 100 ft.                                 |              | 0          |
| Depth to Ground Water          | Less than 100 ft. 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          |
| <b>Action levels</b>           | <b>&gt;19</b>  | <b>10-19</b> | <b>0-9</b> |
| 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      | 125 ft. Avg.          |  | 0        |
| Well Head Protection       | 1630 Horizontal ft.   |  | 0        |
| Surface Water Body         | 2.26 Horizontal Miles |  | 0        |
| <b>Total Ranking Score</b> |                       |  | <b>0</b> |

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

**Remediation Plan:**

|   |
|---|
| All affected soil will be excavated and sampled for the presence of Hydrocarbons EPA method (8015M)   |
| 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 250 mg/kg will be transported to the S.U.G.S. Landfarm   |
| 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 and Chloride EPA method 300. |



Approximate  
Scale 1" = 30'



Unit Tr. "G"  
Section 15  
Twns. -22 S  
Range 37E  
County-Lea, N.M.  
GPS  
Lat- N32-23.667  
Long-W103-08.939

**Southern Union  
Gas Services**

# Site Plan-6" Lateral

2008-016

Lea County Area Jal, N.M.

Figure 1



Photo 1



Photo 2

Southern Union Gas Services Site: 6" Lateral  
Job # 2008-016  
Site Assessment 5/29/08



Photo 3

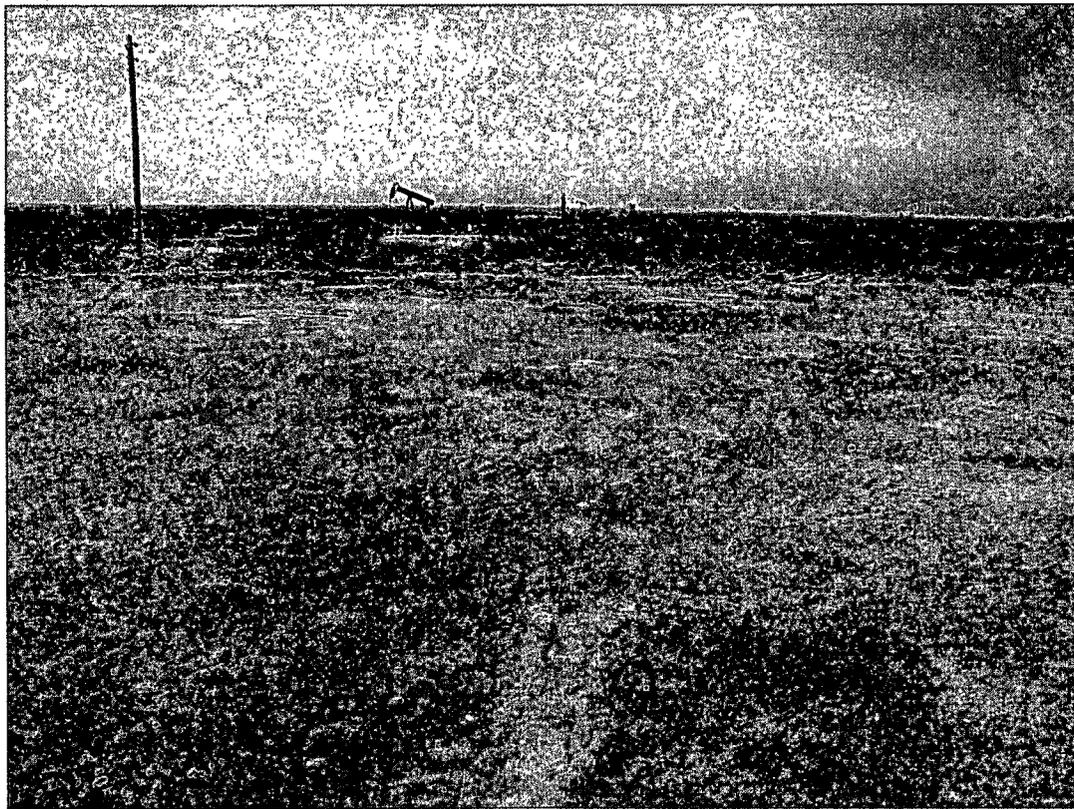


Photo 4

Southern Union Gas Services Site: 6" Lateral  
Job # 2008-016  
Site Assessment 5/29/08