

GW - 236

**MONITORING  
REPORTS**

**DATE:**

1998

# Pate Trucking Co., Inc.

## New Mexico Operations

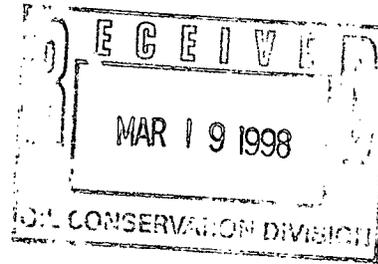
P. O. Box 1008  
3800 S. Eunice Highway

505-397-6264  
800-657-9353  
Fax 505-397-2597

Hobbs, New Mexico 88241

March 17, 1998

State of New Mexico  
Energy, Minerals and Natural Resources Department  
Oil Conservation Division  
2040 S. Pacheco  
Santa Fe, NM 87505  
Attn: Mr. Jack Ford



GW-236

**RE: Closure Report for Pate Trucking Co., Inc. yard, located 3800 S. Eunice Hwy**

Dear Mr. Ford,

We are sorry for the delay in getting this closure report back to you. Initially we were in correspondence with Mr. Pat Sanchez, then the property in question was in litigation between the two owners. This caused a delay in the closure report not knowing ultimately who would be the final responsible party. The legal matter has since been resolved with Pate Trucking Co., Inc. being sole owner.

Please find enclosed the closure report for the 2-Class V EPA Leach Fields, located at 3800 S. Eunice Hwy, Hobbs, NM. Mr. Ford, your attention in this matter would be deeply appreciated. We are also sending a carbon copy to Mr. Wayne Price, Engineer- OCD District I, Hobbs, NM.

If you have any questions or need any additional information in regards to this project, please call at any time 505-397-6264. Thank you for your time and assistance in this matter.

Sincerely,

A handwritten signature in cursive script that reads "Gary Mead".

Gary Mead  
President  
Pate Trucking Co., Inc.

Cc: Mr. Wayne Price  
Engineer-District I  
OCD Hobbs Office

*Presented to*

**Pate Trucking Company, Inc.**

Mr. Gary Mead  
P.O. Box 1008  
Hobbs, NM 88241

Yard at 3800 S. Eunice Hwy.

**EPA Class V  
Leach Field Closure**

*From:*

**Western Environmental Consultants**

P.O. Box 1816  
Hobbs, NM 88241

# INDEX

I. OVERVIEW OF SITE REMEDIATION

II. ON SITE TPH ANALYSIS

III. LABORATORY ANALYSIS

IV. NMOC DISPOSAL APPROVAL

V. WATER WELLS

VI. SITE AND PLOT MAPS

VII. JOB PHOTOS

**OVERVIEW AND SUMMARY  
OF SITE REMEDIATION**



P.O. Box 1816  
Hobbs, New Mexico 88241

Phone (505) 392-5021  
Fax (505) 397-2597

Sept. 15, 1997

Pate Trucking Company, Inc.  
P.O. Box 1008  
Hobbs, New Mexico 88241

Attn.: Mr. Gary Mead

***Re: Remediation and Clean up of Yard Located at 3800 S. Eunice Hwy.***

Dear Mr. Mead

Western Environmental Consultants (WEC) would like to take this time to thank you and Pate Trucking for the opportunity to be of service on the cleanup and the remediation of the yard, located at 3800 S. Eunice Hwy. Hobbs, New Mexico 88241.

**Job Summary**

Cleanup and remediation began with a backhoe being used to excavate and expose the impacted soils to allow samples to be taken for classification. These samples were tested at a laboratory for a full TCLP profile analysis to classify the impacted soils as hazardous or non-hazardous. The laboratory analysis indicated that the impacted soils at the two areas of concern were non-hazardous. You may refer to the lab analysis for the actual levels (See Lab analysis).

WEC then used a backhoe to excavate the impacted soils from the leach field area on the west end of the shop. The area of impact was very small, 10' x 10' x 5' in size. The impacted soils from this area were stock piled on plastic for off site disposal pending approval from the state. The on site soil analysis of this area indicated that the Total Petroleum Hydrocarbons (TPH) were less than 100 ppm, well below the states guidelines for closure of the leach fields. This area was left open until the leachfield on the east end of the shop could be completed and ready for state inspection.

Page Two

WEC then started the completion of the source removal of impacted soils on the leach field located on the east side of the shop.

The impacted soils from this area that were removed were placed on plastic for off site disposal. At 14' the excavation limits of the backhoe were reached and the TPH levels were still in the 10,000 ppm range.

WEC then used a trackhoe to access the additional digging depth that was needed to remove the remaining impacted soils. At 20' the pit was ramped to access the trackhoe to the additional digging depths. The final excavation depth was 30 x 30 with a depth of 25'. The impacted soils were placed on plastic to be removed off site. The soil that was not impacted but was excavated during the digging process was stockpiled to be used as backfill and to dress the site after completion.

Once WEC felt that all impacted soils had been addressed for closure Mr. Wayne Price an engineer with the NMOCD was asked to be on site to visually verify that all the impacted soils with a TPH greater than 100 had been adequately addressed.

WEC then gathered final samples from the two leach fields. These samples were composite samples taken from the bottom and side walls of the excavation. These samples were sent to a laboratory for TPH, BTEX and Cl analysis. At this time Mr. Price gave verbal approval to begin backfilling operations.

The backfilling began with clean topsoil being brought in and placed in the excavation from 25' up to 5'. Then at 5' WEC placed a 2' thick layer of red bed clay in the excavation for a subsurface confining layer. At this time stockpiled caliche with a TPH level below 100 PPM was placed in the excavation from 2' to surface. The site was then dressed off and clean up operations finished.

The impacted soils with high levels of TPH that were excavated and placed on plastic were removed off site and taken to Sundance/Parabo disposal facility in Eunice, New Mexico a NMOCD approved site. There was a total of 524 cyds of impacted soils that were removed off site

### Findings

1. Depth to ground water is 58.7' this information is from the New Mexico State Engineers office in Roswell, New Mexico. Included in this report is a list of all domestic water wells in the 1/4 to 1/2 mile range of this site.

2. Pursuant to NMOCD guidelines for closure of this site the bottom cleanup level would be 100 PPM of TPH. This is due to the shallow depth of ground water and the close proximity to other domestic sources.
3. Overall the yard is in good condition with some minor surface staining from equipment being parked on site.
4. The active on site water well is in good shape with good records of testing.

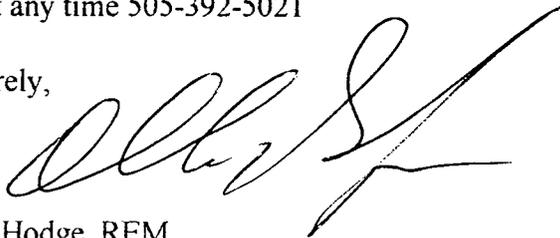
Conclusions

1. This site cleaned up very well and should pose little or no chance of further impact.
2. Clean backfill was placed in the excavation from 25' back to 5'.
3. A subsurface red bed clay layer from 5' back to 3' was put in place
4. The site was crowned to prevent rain from standing.

Note This report may include and/or disclose sensitive information and is intended only for the use of the client, except as limited and/or required by consultant to disclose certain findings to governmental agencies. All data, maps, notes, reports and other information held by consultant are confidential and restricted, and are only available to client.

If you have any questions or need any additional information in regards to this project, please call at any time 505-392-5021

Sincerely,



Allen Hodge, REM  
VP Operations  
Western Environmental Consultants

**ON SITE TPH ANALYSIS**



P.O. Box 1816  
Hobbs, New Mexico 88247

Phone (505) 392-5021  
Fax (505) 397-2597

## SOIL ANALYSIS REPORT

DATE: 8/15/97  
CLIENT: Pate Trucking  
SUPERVISOR: A. Hodge  
Sample Matrix: Soil

FACILITY: Yard on Eunice Hwy.  
Test Method: EPA 418.1  
Order No. Gary Mead  
SAMPLE RECEIVED: Intact on site

|                | TPH |     | DEPTH | LOCATION                |
|----------------|-----|-----|-------|-------------------------|
| SAMPLE NO. 1:  | 42  | PPM | 25'   | Northwest corner bottom |
| SAMPLE NO. 2:  | 58  | PPM | 25'   | Northeast corner bottom |
| SAMPLE NO. 3:  | 17  | PPM | 25'   | Southwest corner bottom |
| SAMPLE NO. 4:  | 09  | PPM | 25'   | Southeast corner bottom |
| SAMPLE NO. 5:  | 23  | PPM | 25'   | Center of pit           |
| SAMPLE NO. 6:  |     | PPM |       |                         |
| SAMPLE NO. 7:  |     | PPM |       |                         |
| SAMPLE NO. 8:  |     | PPM |       |                         |
| SAMPLE NO. 9:  |     | PPM |       |                         |
| SAMPLE NO. 10: |     | PPM |       |                         |

COMMENTS: These samples were taken and run on site by Western Environmental Consultants. These samples were taken at the completion of source removal from the leach field on the east side of the shop, to insure that all impacted soils had been addressed under the NMOCD guidelines for closure. Mr. Wayne Price from the NMOCD was on site and a witness of the bottom of the excavation.



P.O. Box 1816  
Hobbs, New Mexico 88241

Phone (505) 392-5021  
Fax (505) 397-2597

## SOIL ANALYSIS REPORT

DATE: 8/9/97  
CLIENT: Pate Trucking  
SUPERVISOR: A. Hodge  
Sample Matrix: Soil

FACILITY: Yard on Eunice Hwy.  
Test Method: EPA 418.1  
Order No. Gary Mead  
SAMPLE RECEIVED: Intact on site

|                | TPH |     | DEPTH | LOCATION                |
|----------------|-----|-----|-------|-------------------------|
| SAMPLE NO. 1:  | 247 | PPM | 4'    | Composite from west pit |
| SAMPLE NO. 2:  | 823 | PPM | 20'   | Composite from east pit |
| SAMPLE NO. 3:  | 361 | PPM | 23'   | Composite from east pit |
| SAMPLE NO. 4:  | 128 | PPM | 24'   | Composite from east pit |
| SAMPLE NO. 5:  |     | PPM |       |                         |
| SAMPLE NO. 6:  |     | PPM |       |                         |
| SAMPLE NO. 7:  |     | PPM |       |                         |
| SAMPLE NO. 8:  |     | PPM |       |                         |
| SAMPLE NO. 9:  |     | PPM |       |                         |
| SAMPLE NO. 10: |     | PPM |       |                         |

COMMENTS: These samples were taken and run on site by Western Environmental Consultants. These samples were taken to monitor the TPH levels during the excavation operations.



P.O. Box 1816  
Hobbs, New Mexico 88241

Phone (505) 392-5021  
Fax (505) 397-2597

## SOIL ANALYSIS REPORT

DATE: 8/15/97  
CLIENT: Pate Trucking  
SUPERVISOR: A. Hodge  
Sample Matrix: Soil

FACILITY: Yard on Eunice Hwy.  
Test Method: EPA 418.1  
Order No. Gary Mead  
SAMPLE RECEIVED: Intact on site

|                | TPH |     | DEPTH | LOCATION                |
|----------------|-----|-----|-------|-------------------------|
| SAMPLE NO. 1:  | 62  | PPM | 5'    | Northwest corner bottom |
| SAMPLE NO. 2:  | 37  | PPM | 5'    | Northeast corner bottom |
| SAMPLE NO. 3:  | 76  | PPM | 5'    | Southwest corner bottom |
| SAMPLE NO. 4:  | 21  | PPM | 5'    | Southeast corner bottom |
| SAMPLE NO. 5:  |     | PPM |       |                         |
| SAMPLE NO. 6:  |     | PPM |       |                         |
| SAMPLE NO. 7:  |     | PPM |       |                         |
| SAMPLE NO. 8:  |     | PPM |       |                         |
| SAMPLE NO. 9:  |     | PPM |       |                         |
| SAMPLE NO. 10: |     | PPM |       |                         |

COMMENTS: These samples were taken and run on site by Western Environmental Consultants. These samples were taken at the completion of source removal from the leach field on the west side of the shop, to insure that all impacted soils had been addressed under the NMOCD guidelines for closure. Mr. Wayne Price from the NMOCD was on site and a witness of the bottom of the excavation.

**LABORATORY ANALYSIS**



**ARDINAL  
LABORATORIES**

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR  
WESTERN ENVIRONMENTAL CONSULTANTS  
ATTN: ALLEN HODGE  
P.O. BOX 1816  
HOBBS, NM 88241  
FAX TO: 505-397-2597

Receiving Date: 08/12/97  
Reporting Date: 08/13/97  
Project Number: EAST PIT & WEST PIT  
Project Name: CLASS V LEACH PIT CLOSURE  
Project Location: PATE TRUCKING, HOBBS

Sampling Date: 08/12/97  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: GP  
Analyzed By: BC

| LAB NUMBER | SAMPLE ID | TPH<br>(mg/Kg) | CI<br>(mg/Kg) | BENZENE<br>(mg/Kg) | TOLUENE<br>(mg/Kg) | ETHYL<br>BENZENE<br>(mg/Kg) | TOTAL<br>XYLENES<br>(mg/Kg) |
|------------|-----------|----------------|---------------|--------------------|--------------------|-----------------------------|-----------------------------|
|------------|-----------|----------------|---------------|--------------------|--------------------|-----------------------------|-----------------------------|

|                             |                                     |          |          |          |          |          |          |
|-----------------------------|-------------------------------------|----------|----------|----------|----------|----------|----------|
| ANALYSIS DATE:              |                                     | 08/12/97 | 08/13/97 | 08/12/97 | 08/12/97 | 08/12/97 | 08/12/97 |
| H3124-1                     | W.LEACH PIT BTM.<br>@5', COMPOSITE  | <10      | 32       | <0.002   | <0.002   | <0.002   | <0.006   |
| H3124-2                     | E.LEACH PIT BTM.<br>@25', COMPOSITE | <10      | 96       | <0.002   | <0.002   | <0.002   | <0.006   |
|                             |                                     |          |          |          |          |          |          |
|                             |                                     |          |          |          |          |          |          |
| Quality Control             |                                     | 203      | 480      | 0.089    | 0.090    | 0.086    | 0.247    |
| True Value QC               |                                     | 200      | 500      | 0.090    | 0.090    | 0.087    | 0.260    |
| % Accuracy                  |                                     | 102      | 96       | 100      | 100      | 99.2     | 95.0     |
| Relative Percent Difference |                                     | 1.9      | 0        | 4.0      | 9.2      | 6.7      | 6.7      |

METHODS: TRPHC - EPA 600/7-79-020, 418.1; CI - EPA 600/7-79-020, 325.3; BTEX - EPA SW-846-8020

  
\_\_\_\_\_  
Gayle A. Potter  
Chemist

08/13/97  
\_\_\_\_\_  
Date





**ARDINAL  
LABORATORIES**

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR  
WESTERN ENVIRONMENTAL CONSULTANTS  
ATTN: ALLEN HODGE  
P.O. BOX 1816  
HOBBS, NM 88241  
FAX TO:

Receiving Date: 06/16/97  
Reporting Date: 06/18/97  
Project Number: NOT GIVEN  
Project Name: PATE TRUCKING  
Project Location: HOBBS YARD  
Lab Number: H3002-1  
Sample ID: STOCKPILE SOIL

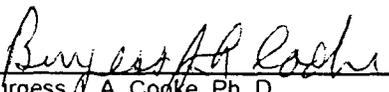
Analysis Date: 06/17/97  
Sampling Date: 06/16/97  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: GP  
Analyzed By: BC

| TCLP VOLATILES (ppm) | EPA<br>LIMIT | Sample Result<br>H3002-1 | Method<br>Blank | QC    | %Recov. | True Value<br>QC |
|----------------------|--------------|--------------------------|-----------------|-------|---------|------------------|
| Vinyl Chloride       | 0.20         | <0.005                   | <0.005          | 0.114 | 114     | 0.100            |
| 1,1-Dichloroethylene | 0.7          | <0.005                   | <0.005          | 0.086 | 86      | 0.100            |
| Methyl Ethyl Ketone  | 200          | <0.050                   | <0.050          | 0.084 | 84      | 0.100            |
| Chloroform           | 6.0          | <0.005                   | <0.005          | 0.097 | 97      | 0.100            |
| 1,2-Dichloroethane   | 0.5          | <0.005                   | <0.005          | 0.111 | 111     | 0.100            |
| Benzene              | 0.5          | 0.011                    | <0.005          | 0.085 | 85      | 0.100            |
| Carbon Tetrachloride | 0.5          | <0.005                   | <0.005          | 0.104 | 104     | 0.100            |
| Trichloroethylene    | 0.5          | <0.005                   | <0.005          | 0.084 | 84      | 0.100            |
| Tetrachloroethylene  | 0.7          | <0.005                   | <0.005          | 0.089 | 89      | 0.100            |
| Chlorobenzene        | 100          | <0.005                   | <0.005          | 0.097 | 97      | 0.100            |
| 1,4-Dichlorobenzene  | 7.5          | <0.005                   | <0.005          | 0.113 | 113     | 0.100            |

% RECOVERY

|                      |     |
|----------------------|-----|
| Dibromofluoromethane | 92  |
| Toluene-d8           | 101 |
| Bromofluorobenzene   | 98  |

METHODS: EPA SW 846-8260, 1311

  
Burgess J. A. Cooke, Ph. D.

  
Date



# ARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR  
WESTERN ENVIRONMENTAL CONSULTANTS  
ATTN: ALLEN HODGE  
P.O. BOX 1816  
HOBBS, NM 88241  
FAX TO:

Receiving Date: 06/16/97  
Reporting Date: 06/19/97  
Project Number: NOT GIVEN  
Project Name: PATE TRUCKING  
Project Location: HOBBS YARD  
Lab Number: H3002-1  
Sample ID: STOCKPILE SOIL

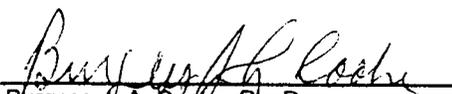
Analysis Date: 06/18/97  
Sampling Date: 06/16/97  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: GP  
Analyzed By: BC

| TCLP SEMIVOLATILES (ppm) | EPA<br>LIMIT | Sample Result<br>H3002-1 | Method<br>Blank | QC    | %Recov. | True Value<br>QC |
|--------------------------|--------------|--------------------------|-----------------|-------|---------|------------------|
| Pyridine                 | 5.00         | <0.005                   | <0.005          | 0.040 | 40      | 0.100            |
| 1,4-Dichlorobenzene      | 7.50         | <0.005                   | <0.005          | 0.059 | 59      | 0.100            |
| o-Cresol                 | 200          | <0.005                   | <0.005          | 0.058 | 58      | 0.100            |
| m, p-Cresol              | 200          | <0.005                   | <0.005          | 0.108 | 54      | 0.200            |
| Hexachloroethane         | 3.00         | <0.005                   | <0.005          | 0.055 | 55      | 0.100            |
| Nitrobenzene             | 2.00         | <0.005                   | <0.005          | 0.084 | 84      | 0.100            |
| Hexachloro-1,3-butadiene | 0.500        | <0.005                   | <0.005          | 0.067 | 67      | 0.100            |
| 2,4,6-Trichlorophenol    | 2.00         | <0.005                   | <0.005          | 0.100 | 100     | 0.100            |
| 2,4,5-Trichlorophenol    | 400          | <0.005                   | <0.005          | 0.099 | 99      | 0.100            |
| 2,4-Dinitrotoluene       | 0.130        | <0.005                   | <0.005          | 0.103 | 103     | 0.100            |
| Hexachlorobenzene        | 0.130        | <0.005                   | <0.005          | 0.111 | 111     | 0.100            |
| Pentachlorophenol        | 100          | <0.005                   | <0.005          | 0.111 | 111     | 0.100            |

### % RECOVERY

|                      |    |
|----------------------|----|
| Fluorophenol         | 60 |
| Phenol-d5            | 60 |
| Nitrobenzene-d5      | 71 |
| 2-Fluorobiphenyl     | 82 |
| 2,4,6-Tribromophenol | 91 |
| Terphenyl-d14        | 82 |

METHODS: EPA SW 846-8270, 1311

  
Burgess J. A. Cooke, Ph. D.

6/19/97  
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 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.



**ARDINAL  
LABORATORIES**

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR  
WESTERN ENVIRONMENTAL CONSULTANTS  
ATTN: ALLEN HODGE  
P. O. BOX 1816  
HOBBS, NM 88241  
FAX TO:

Receiving Date: 06/16/97  
Reporting Date: 06/19/97  
Project Number: NOT GIVEN  
Project Name: PATE TRUCKING  
Project Location: HOBBS, NM

Sampling Date: 06/16/97  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: GP  
Analyzed By: GP

TCLP METALS

| LAB NO.                     | SAMPLE ID  | As<br>ppm | Ag<br>ppm | Ba<br>ppm | Cd<br>ppm | Cr<br>ppm | Pb<br>ppm | Hg<br>ppm | Se<br>ppm |
|-----------------------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| ANALYSIS DATE:              |            | 6/17/97   | 6/17/97   | 6/17/97   | 6/17/97   | 6/17/97   | 6/17/97   | 6/19/97   | 6/17/97   |
| EPA LIMITS:                 |            | 5         | 5         | 100       | 1         | 5         | 5         | 0.2       | 1         |
| H3002-1                     | STOCK PILE | <1        | <1        | <10       | <0.1      | <1        | <1        | 0.02      | <0.1      |
| Quality Control             |            | 0.208     | 3.98      | 20.30     | 2.001     | 0.96      | 1.94      | 0.0097    | 0.094     |
| True Value QC               |            | 0.200     | 4.00      | 20.00     | 2.000     | 1.00      | 2.00      | 0.0100    | 0.100     |
| % Accuracy                  |            | 104       | 99        | 102       | 101       | 96        | 97        | 97        | 94        |
| Relative Standard Deviation |            | 1.96      | 0.1       | 0.6       | 0.7       | 2.4       | 1         | 5.2       | 1.9       |
| METHODS: EPA 1311, 600/4-9  |            | 206.2     | 272.1     | 208.1     | 213.1     | 218.1     | 239.1     | 245.1     | 270.2     |

  
Gayle A. Potter, Chemist

06/20/97  
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 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.



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR  
 WESTERN ENVIRONMENTAL CONSULTANTS  
 ATTN: ALLEN HODGE  
 P.O. BOX 1816  
 HOBBS, NM 88241  
 FAX TO:

Receiving Date: 06/16/97  
 Reporting Date: 06/17/97  
 Project Number: NOT GIVEN  
 Project Name: PATE TRUCKING  
 Project Location: HOBBS YARD

Sampling Date: 06/16/97  
 Sample Type: SOIL  
 Sample Condition: COOL & INTACT  
 Sample Received By: GP  
 Analyzed By: BC/AH

REACTIVITY

LAB NUMBER SAMPLE ID      Sulfide    Cyanide    CORROSIVITY    IGNITABILITY  
    (ppm)    (ppm)       (pH)            (°F)

| ANALYSIS DATE:              | 06/17/97 | 06/17/97 | 06/16/97 | 06/17/97     |
|-----------------------------|----------|----------|----------|--------------|
| H3002-1      STOCKPILE SOIL | <50      | <50      | 6.61     | Nonflammable |
|                             |          |          |          |              |
|                             |          |          |          |              |
|                             |          |          |          |              |
|                             |          |          |          |              |
| Quality Control             | NR       | NR       | 7.02     | NR           |
| True Value QC               | NR       | NR       | 7.00     | NR           |
| % Accuracy                  | NR       | NR       | 100      | NR           |
| Relative Percent Difference | NR       | NR       | 0.6      | NR           |

METHOD: EPA SW 846-7.3, 7.2, 1030 (proposed), 1311, 40 CFR 261

  
 Chemist

06/18/97  
 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, 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. Cardinal shall 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.



# CARDINAL LABORATORIES

PHONE 915-673-1001 • 2111 DEERWOOD • SUITE 101 • DALLAS, TX 75240  
PHONE 905-393-2125 • 101 E. MAINLAND • ROCKWELL, NC 27080

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

### ANALYSIS REQUEST

**13002**

**BILL TO** PO #

Company Name: WEC

Project Manager: ALLSD Hedges

Address: P.O. BOX 1816 State/Zip: 88241

City: Hobbs

Phone #: 392-5021

Fax #: 397-2597

Project #:

Project Name: PATR TRUCKING

Project Location: Hobbs YARD

Company: WEC

Attn: A. Hedges

Address: Box 1816

City: Hobbs

State: NM Zip: 88241

Phone #: 392-5021

Fax #: 397-2597

| LAB ID. #       | Sample I.D.            | COMP(C) OR GRAB(G) | # CONTAINERS | MATRIX      |            |          |     |        |          | DATE              | TIME           | ANALYSIS REQUEST |          |                      |
|-----------------|------------------------|--------------------|--------------|-------------|------------|----------|-----|--------|----------|-------------------|----------------|------------------|----------|----------------------|
|                 |                        |                    |              | GROUNDWATER | WASTEWATER | SOIL     | OIL | SLUDGE | OTHER :  |                   |                |                  |          |                      |
| <u>A 3002-1</u> | <u>Stack Pile Soil</u> | <u>C 1</u>         |              |             |            | <u>X</u> |     |        | <u>X</u> | <u>ICE / COOL</u> | <u>6/16/97</u> | <u>12:30</u>     | <u>X</u> | <u>TCLP VOC</u>      |
|                 |                        |                    |              |             |            |          |     |        |          |                   |                |                  | <u>X</u> | <u>TCLP Semi VOC</u> |
|                 |                        |                    |              |             |            |          |     |        |          |                   |                |                  | <u>X</u> | <u>TCLP METALS</u>   |
|                 |                        |                    |              |             |            |          |     |        |          |                   |                |                  | <u>X</u> | <u>RCI</u>           |

PLEASE NOTE: Liability and Damages: Cardinal's use of and client's purchase remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analysis and testing, including those for reagent and any other test materials, shall be deemed waived unless a claim is made in writing and received by Cardinal within ninety (90) days after completion of the applicable service. In no event shall Cardinal be liable for accidents or consequential damages, including, without limitation, adverse environmental, loss of use, or loss of profits, incurred by client as a result of failure or negligence arising out of or related to any service provided by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Sampler Requisitioned By: [Signature]

Date: 6-16-97  
Time: 1:30

Received By: [Signature]

Sample Condition:  
 Cool  Dry  Yes  No

Phone Results:  Yes  No  
Fax Results:  Yes  No  
Additional Fax #: \_\_\_\_\_  
REMARKS: THIS SAMPLE WNS A COMPOSITE SAMPLE TAKEN FROM THE STACK PILE SOILS IN YARD

Delivered By: (Circle One)  
UPS - Fed Ex - Bus - Other:

Date: 6/16/97  
Time: 1:30

Received By: (Lab Stamp) [Signature]

CHECKED BY: \_\_\_\_\_ (Initials)

**NMOCD DISPOSAL APPROVAL**

COUNTY, JUNE 80291-1700  
 District II - (505) 748-1283  
 814 S. First  
 Artesia, NM 88210  
 District III - (505) 334-6178  
 1000 Rio Brazos Road  
 Aztec, NM 87410  
 District IV - (505) 827-7131

Energy Minerals and Natural Resources Department  
 Oil Conservation Division  
 2040 South Pacheco Street  
 Santa Fe, New Mexico 87505  
 (505) 827-7131

Original  
 Submit  
 Plus  
 10 ap  
 Discr

ALL: MARYANN  
 PATE - CC  
 MZ SANDERSON

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

|   |                                |
|---|--------------------------------|
| 1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>  | 4. Generator PATE TRUCKING     |
| Verbal Approval Received: Yes <input type="checkbox"/> No <input type="checkbox"/>  | 5. Originating Site HOBBS FACI |
| 2. Management Facility Destination SUNDANCE SERVICES INC.   | 6. Transporter PATE            |
| 3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231g. State NEW MEXICO  |                                |
| 7. Location of Material (Street Address or ULSTR) 3800 South Eunice HWY. Hobbs, NM 88231  |                                |
| 9. <u>Circle One:</u>   |                                |
| A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from Generator; one certificate per job.<br>B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous listing or testing will be approved. |                                |
| All transporters must certify the wastes delivered are only those consigned for transport.  |                                |

BRIEF DESCRIPTION OF MATERIAL:

The following analytical is from Pate Trucking's Hobbs Facility. This waste was generated during normal activity of namely Maclaskey Oilfield Service and Pate Trucking. This waste is generated from the wash bay and shop septic tank from the washing of trucks. I have included a certificate of waste status and chain of custody. Sundance Services would like approval to dispose of this material at our Parabo Facility.

JUL 28 1997  
 RECEIVED  
 JUL 27 1997  
 RECEIVED

Estimated Volume 250 yards cy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_

SIGNATURE: Donna L. Roach TITLE: Office Manager DATE: 7-10-97  
Waste Management Facility Authorized Agent  
 TYPE OR PRINT NAME: Donna L. Roach TELEPHONE NO. 505-394-2511

(This space for State Use)  
 APPROVED BY: [Signature] TITLE: Env Eng DATE: 7/11/97  
 APPROVED BY: [Signature] TITLE: Env Geologist DATE: 7/14/97

**Pate Trucking Co., Inc.**  
**New Mexico Operations**

---

---

P. O. Box 1008  
3800 S. Eunice Highway

505-397-6264  
800-657-9353  
Fax 505-397-2597

Hobbs, New Mexico 88241

June 25, 1997

Dear Sir:

I have at 3800 South Eunice Hwy, Hobbs, New Mexico approximately 250 cubic yards of soil to dispose of.

This waste was generated during normal operations of namely, Maclaskey Oil Field Service, Inc., previous owners, from the wash bay and shop septic tank at the Hobbs, New Mexico yard from the washing of trucks, from which the waste went into the oil sump and impacted the ground in same area

Sincerely,



Gary Mead  
President - Pate Trucking Co., Inc.  
NM Operations - Hobbs, New Mexico

CERTIFICATE OF WASTE STATUS

NON-EXEMPT WASTE MATERIAL

ORIGINATING LOCATION: PATE Trucking Co., Inc.

SOURCE: WASH BAY AND SHOP SEPTIC TANK

DISPOSAL LOCATION: SUNDANCE DISPOSAL FACILITY

As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Section 261.3.

I, the undersigned as the agent for PATE Trucking Co., Inc.  
concur with the status of the waste from the subject site.

Name GARY MEAD

Title/Agency President

Address P.O. Box 1008, 3800 S. Ewice Hwy.  
Hobbs, NM 88240

Signature Gary Mead

Date 6-25-97



# WATER WELLS

Table 4  
 Summary of Water Wells Identified within 1/2 mile of Pate Trucking Facility  
 Well Records on File with the State Engineers Office

| Well Owner             | Permit No. | Total Depth | Depth to Water | Date Completed | Date Plugged | Well Use | Well Township | Well Range | Well Section | Location |
|------------------------|------------|-------------|----------------|----------------|--------------|----------|---------------|------------|--------------|----------|
| Narroquin, Franciso    | L-6759     | 100         | 45             | 03/10/71       | --           | DOM      | T19S          | R38E       | 15           | 221      |
| Warroquis, Francisco   | L-6858     | 100         | 45             | 12/06/71       | --           | DOM      | T19S          | R38E       | 15           | 230      |
| Townsend, Bobby        | L-7357     | 101         |                | 04/12/75       | --           | DOM      | T19S          | R38E       | 15           | 24221    |
| Lee, G. D.             | L-8046     | 130         | 58             | 03/20/80       | --           | DOM      | T19S          | R38E       | 15           | 244      |
| Sherrill, Wilbur       | L-7359     | 117         | 57             | 04/11/75       | --           | DOM      | T19S          | R38E       | 15           | 24444    |
| Dean, T. M.            | L-2667     | 108         | 70             | 02/21/57       | --           | DOM      | T19S          | R38E       | 15           | 400      |
| Bonner, C. C.          | L-7512     | 100         | 32             | 04/14/76       | --           | --       | T19S          | R38E       | 15           | 4122     |
| Weldy, G. W.           | L-7882     | 100         | 32             | 04/19/79       | --           | DOM      | T19S          | R38E       | 15           | 41100    |
| Glasspoole, Frank      | L-6101     | 100         | 38             | 12/22/85       | --           | DOM      | T19S          | R38E       | 15           | 41131    |
| Clark, J. C.           | L-4489     | 100         | 41             | 08/28/60       | --           | DOM      | T19S          | R38E       | 15           | 413      |
| Fulkerson, James       | L-10046    | 120         | 70             | 11/26/88       | --           | DOM      | T19S          | R38E       | 15           | 4130     |
| Benny, Bobby           | L-9821     | 100         | 51             | 05/03/86       | --           | DOM      | T19S          | R38E       | 15           | 41340    |
| Dobbins                | L-9012     | 100         | 32             | 08/02/82       | --           | DOM      | T19S          | R38E       | 15           | 414      |
| Dobbins, Hazel         | L-9310     | 120         | 58             | 08/29/83       | --           | DOM      | T19S          | R38E       | 15           | 414      |
| Dobbins, B. R.         | L-7381     | 100         | 50             | 05/16/75       | --           | DOM      | T19S          | R38E       | 15           | 41412    |
| Attaway, Neal          | L-5013     | 100         | 47             | 04/09/63       | --           | DOM      | T19S          | R38E       | 15           | 420      |
| Scott, R. W.           | L-9896     | 100         | 38             | 02/17/87       | --           | DOM      | T19S          | R38E       | 15           | 42124    |
| Ballew, Wayne          | L-4107     | 112         | 60             | 04/23/59       | --           | DOM      | T19S          | R38E       | 15           | 422      |
| Barton, J. E.          | L-4622     | 70          | 46             | 06/01/61       | --           | DOM      | T19S          | R38E       | 15           | 422      |
| Morrow, Terry          | L-7379     | 120         | 44             | 05/31/75       | --           | DOM      | T19S          | R38E       | 15           | 42312    |
| Phar, T.               | L-4539     | 100         | 48             | 11/05/60       | --           | DOM      | T19S          | R38E       | 15           | 424      |
| Hardin & Houston       | L-6733     | 123         | 50             | 11/16/79       | --           | DOM      | T19S          | R38E       | 15           | 424233   |
| Spradley, Jim          | L-10322    | 133         | 44             | 04/13/93       | --           | D&S      | T19S          | R38E       | 15           | 42424    |
| Hardin & Houston       | L-5623     | 142         | 52             | 06/06/64       | --           | COM      | T19S          | R38E       | 15           | 42441    |
| Bingham, M. L.         | L-2689     | 83          | 49             | 11/30/54       | --           | --       | T19S          | R38E       | 15           | 444      |
| Bingham, N. L.         | L-3248     | 123         | 48             | 04/28/58       | --           | IRR      | T19S          | R38E       | 15           | 44412    |
| Aaron, A. A.           | L-8352     | 118         | 50             | 09/17/80       | --           | DOM      | T19S          | R38E       | 15           | 44       |
| Tarber, Joe            | L-10138    | 170         | 60             | 12/15/90       | --           | IRR      | T19S          | R38E       | 15           | 44333    |
| Wallen Production      | L-8250     | 125         | 80             | 01/12/80       | --           | OWD      | T19S          | R38E       | 15           | 34244    |
| Younger Construction   | L-3658     | 120         | 50             | 08/28/57       | --           | DOM      | T19S          | R38E       | 14           | 310      |
| Selman, J. A.          | L-1021     | 168         | 75             | 02/22/57       | --           | IRR      | T19S          | R38E       | 14           | 222      |
| Selman, Frank          | L-345      | 124         | --             | 10/26/47       | --           | --       | T19S          | R38E       | 14           | 142      |
| Selman                 | W-8        | 125         | 65             | 04/13/53       | --           | --       | T19S          | R38E       | 14           | 240      |
| Caprock Communications | L-10011    | 140         | 60             | 06/15/88       | --           | DOM      | T19S          | R38E       | 14           | 1110     |

Permit No. is issued by State Engineer. Where no well completion record was identified in State files a unique number beginning with a "W" was used to reference the well in this report.

Location uses state number code

-- No data available

Well Use - DOM=Domestic, IRR=Irrigation, COM=Commerical, OWD=Oil well drilling

Table 3  
Water Quality of Water Wells with 1/2 Mile of Pate Trucking Facility  
Analytical Results Obtained from the State Engineers Office

| Well Owner        | Permit No. | Total Depth to Water | Water Zone | Date Sampled | Well Use | Well Township | Well Range | Location Section | Location | Chloride | Water SG | Quality Temperature | DDS |
|-------------------|------------|----------------------|------------|--------------|----------|---------------|------------|------------------|----------|----------|----------|---------------------|-----|
| Marroquin, Frank  | W-1        | 100 --               | TOG        | 12/20/79     | IRR      | T19S          | R38E       | 15               | 41214    | 188      | 1348     | --                  | --  |
| Marroquin, Frank  | W-2        | 100 --               | TOG        | 12/20/79     | DOM      | T19S          | R38E       | 15               | 412321   | 186      | 1049     | --                  | --  |
| Marroquin, Frank  | W-2        | 100 --               | TOG        | 11/29/84     | DOM      | T19S          | R38E       | 15               | 412321   | 276      | 1331     | --                  | --  |
| Marroquin, Frank  | W-2        | 100 --               | TOG        | 07/12/90     | DOM      | T19S          | R38E       | 15               | 412321   | 450      | 1988     | --                  | --  |
| Terry, Johnny     | W-3        | --                   | TOG        | 11/29/84     | DOM      | T19S          | R38E       | 15               | 412322   | 284      | 1602     | --                  | --  |
| Viro-Montes       | W-4        | --                   | TOG        | 11/12/84     | DOM      | T19S          | R38E       | 15               | 41413    | 158      | 1178     | --                  | --  |
| Champion Chemical | W-5        | --                   | TOG        | 11/30/79     | DOM      | T19S          | R38E       | 15               | 422444   | 186      | 1405     | 66                  | --  |
| Champion Chemical | W-6        | 123 --               | TOG        | 08/17/77     | DOM      | T19S          | R38E       | 15               | 424233   | 504      | 2370     | 82                  | --  |
| Champion Chemical | W-6        | 123 --               | TOG        | 11/29/84     | DOM      | T19S          | R38E       | 15               | 424233   | 372      | 2208     | --                  | --  |
| Champion Chemical | W-7        | 142 --               | TOG        | 08/25/65     | COM      | T19S          | R38E       | 15               | 42441    | 830      | 3110     | --                  | --  |

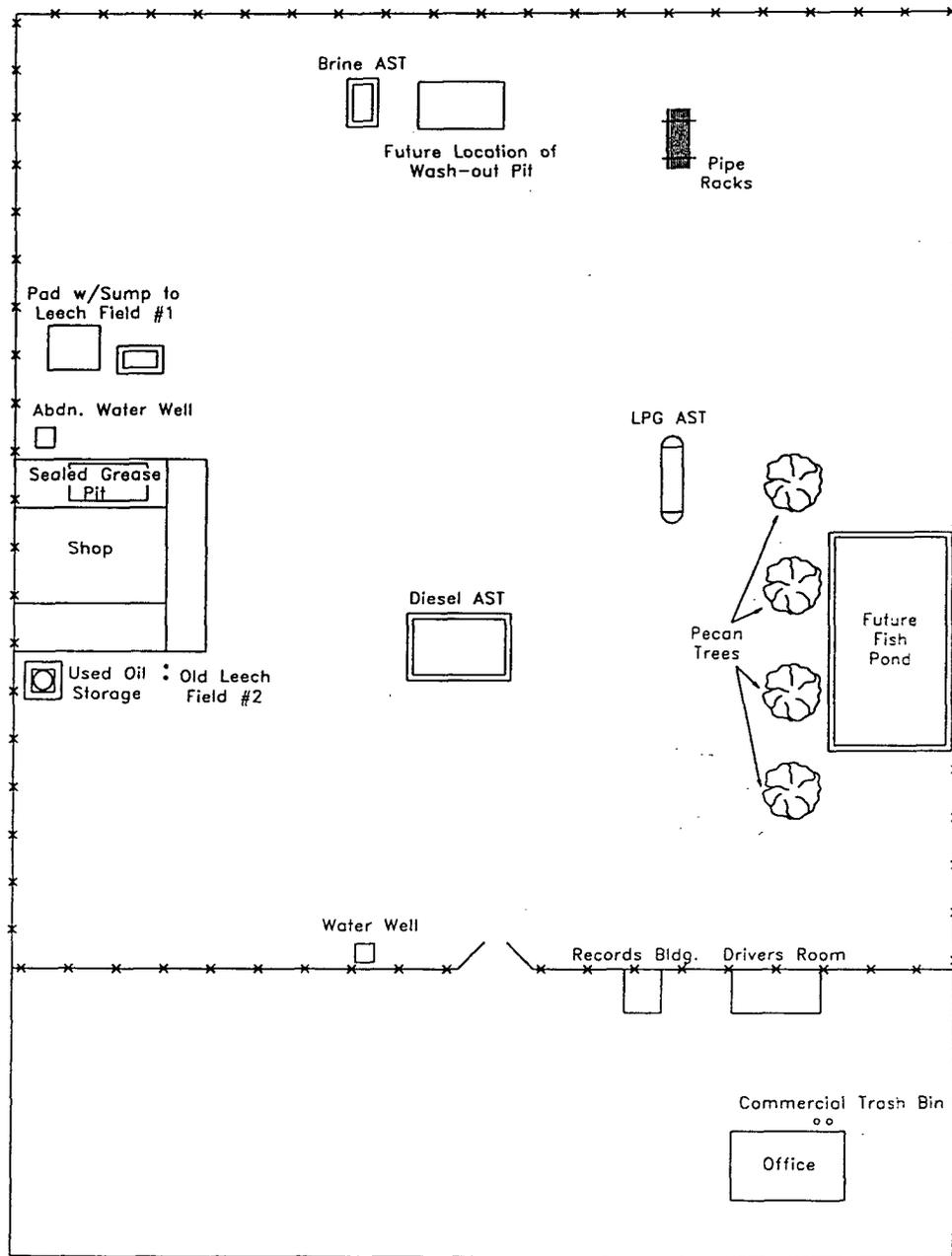
Permit No. is issued by State Engineer. Where no well completion record was identified in State files a unique number beginning with a "W" was used to reference the well in this report.

Location uses state number code

Well Use - DOM=Domestic, IRR=Irrigation, COM=Commercial, OWD=Oil well drilling

-- No data available

**SITE MAP**

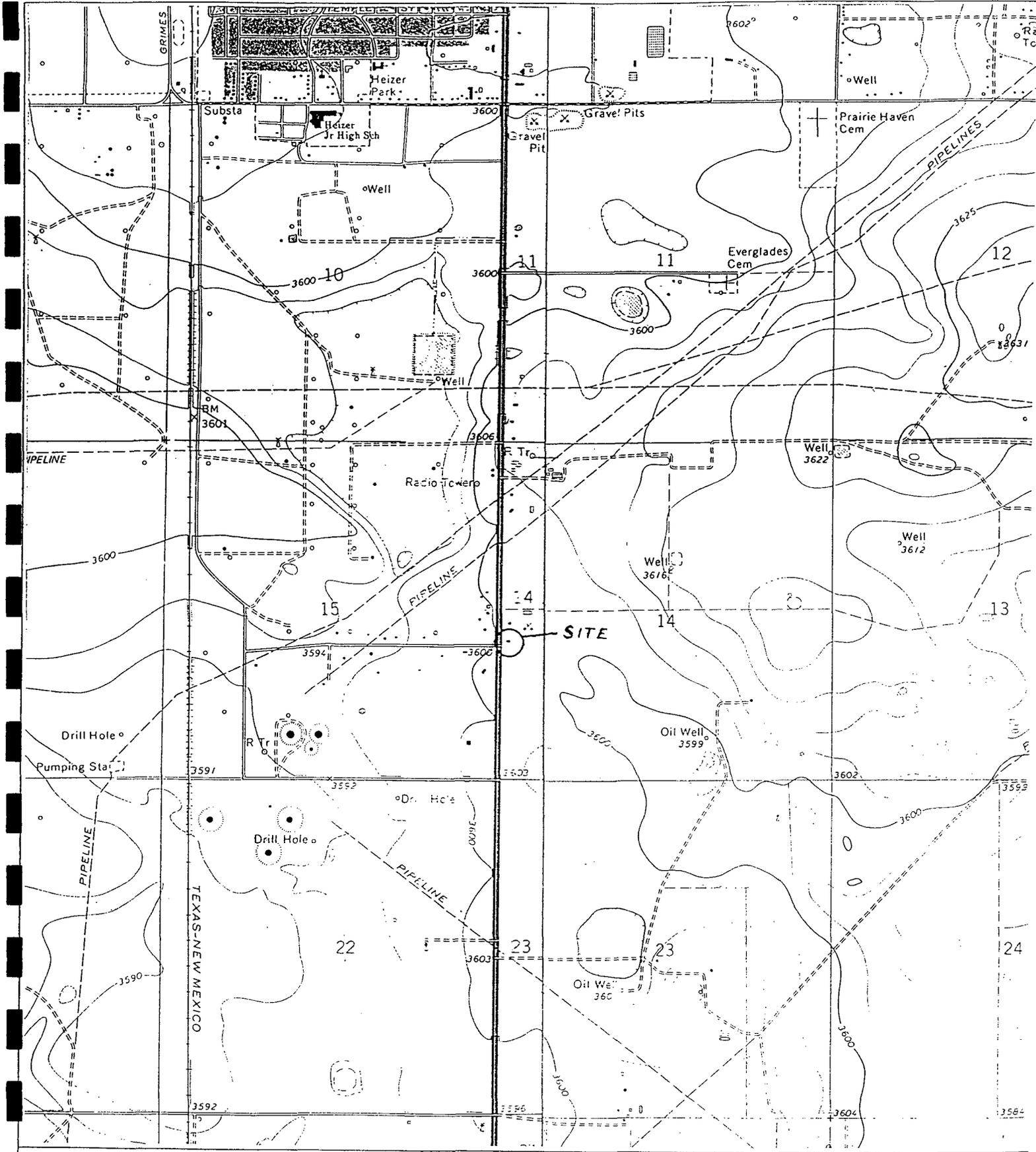


AST = Aboveground Storage Tank

# PATE TRUCKING Co., Inc.

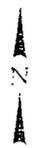
SITE MAP  
 3800 S. EUNICE HIGHWAY  
 NW4/SW4 SEC, 14, T19S, R38E  
 HOBBS, NEW MEXICO

|                  |               |           |     |
|------------------|---------------|-----------|-----|
| DATE: 2-7-96     | DRAWN: M.F.G. | REV. DATE | DIV |
| SCALE: 1" = 100' |               | JOB #     |     |
| DRAWING 3 OF 3   |               | FILE:     |     |



**USGS TOPOGRAPHIC MAP**

HOBBS WEST & HOBBS EAST  
 QUADRANGLES  
 LEA Co., NEW MEXICO  
 1969 PHOTOREVISED 1979

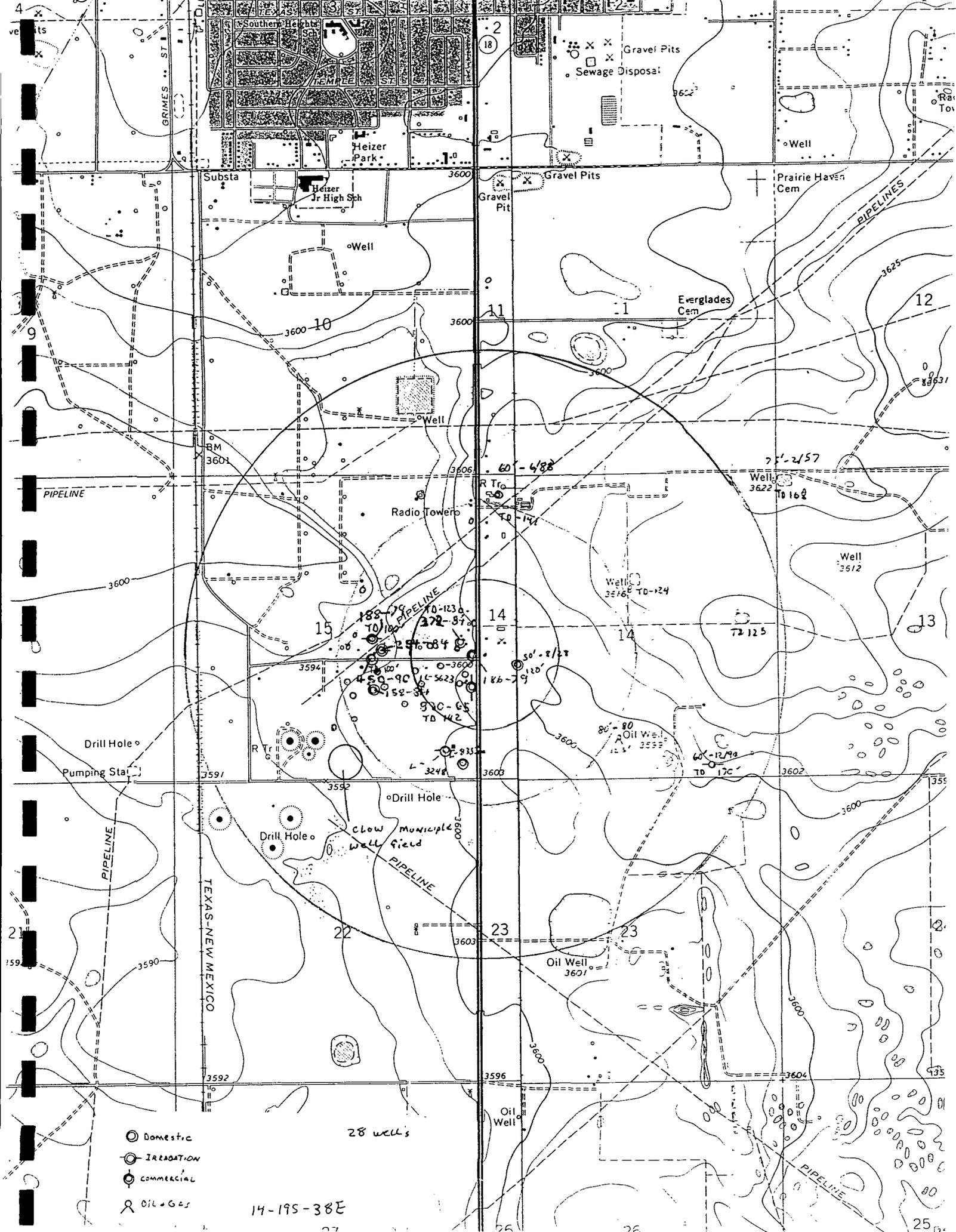


**PATE TRUCKING Co., Inc.**

CONTOUR TOPOGRAPHY  
 3800 S. EUNICE HIGHWAY  
 NW4/SW4 SEC. 14 T19S, R38E  
 HOBBS, NEW MEXICO

SCALE: 1" = 2000'  
 SHEET 1 OF 2

JOB #  
 FILE



**JOB PHOTOS**



**PATE TRUCKING  
EAST PIT**





**PATE TRUCKING  
EAST PIT**





**PATE TRUCKING  
EAST PIT**





**PATE TRUCKING  
EAST PIT**





**PATE TRUCKING  
EAST PIT**





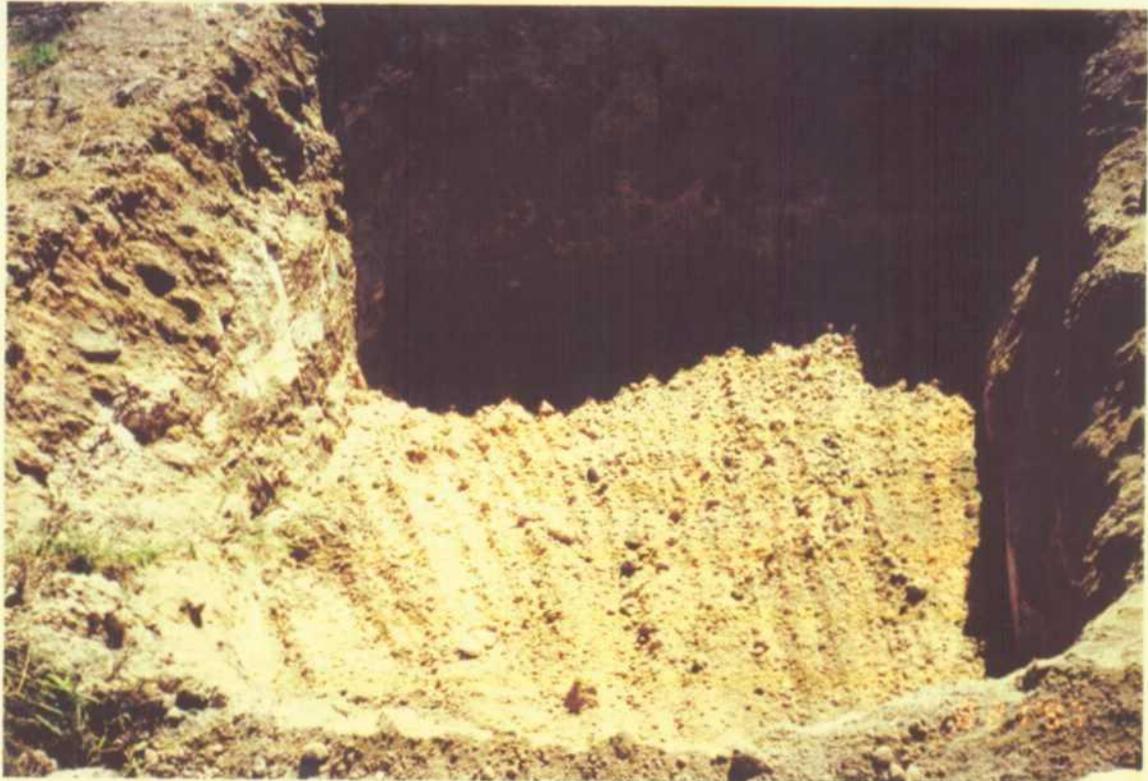
**PATE TRUCKING  
EAST PIT**





**PATE TRUCKING  
WEST PIT**





**PATE TRUCKING  
WEST PIT**





**PATE TRUCKING  
WEST PIT**

