

*Denny G. Faust*  
DEPUTY OIL & GAS INSPECTOR

FEB 26 1997

JICARILLA APACHE TRIBE

ENVIRONMENTAL PROTECTION OFFICE

P.O. BOX 507  
DULCE, NEW MEXICO 87528

SUBMIT 1 COPY TO  
NATURAL  
RESOURCE DEPT  
AND OIL & GAS  
ADMINISTRATION

*Approved*

PIT REMEDIATION AND CLOSURE REPORT

Operator: PNM Gas Services (Amoco) Telephone: 324-3764  
Address: 603 W. Elm Street Farmington, NM 87401  
Facility or Well Name: Jicarilla Apache 102-30A  
Location: Unit: D Sec. 10 T. 26 N. R. 4 W. County Rio Arriba  
Pit Type: Separator      Dehydrator      Other Line Drip  
Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 18 width 18 depth 3  
(Attach diagram) Reference: wellhead X other       
Footage from reference: 144'  
Direction from reference: Straight Degrees      East      North       
X West      of South     

Depth to Ground Water:

(Vertical distance from contaminants  
to seasonal high water elevation or  
ground water)

Less than 50 feet (20 points)  
50 feet to 99 feet (10 points)  
Greater than 100 feet (0 points) 0

Wellhead Protection Area:

(Less than 200 feet from a private domestic  
water source, or: less than 1,000 feet from all  
other water sources)

Yes (20 points)  
No (0 points) 0

Distance to Surface Water:

(Horizontal distance to perennial  
lakes, ponds, rivers, streams,  
creeks, irrigation canals and ditches)

Less than 200 feet (20 points)  
200 feet to 1,000 feet (10 points)  
Greater than 1,000 feet (0 points) 0

Distance to Ephemeral Stream (dry wash):

(Horizontal distance to all downgradient  
streams having a width of at least 10  
feet)

Less than or equal to 100 feet (10 points)  
Greater than 100 feet (0 points) 0

Distance to Nearest Lake, Playa, or Watering  
Pond:

(Horizontal distance to all downgradient  
lakes, playas, and livestock or wildlife  
water ponds)

Less than or equal to 100 feet (10 points)  
Greater than 100 feet (0 points) 0

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: 1/8/97 Date Completed: 7/16/97

Remediation Method: Excavation NA Approx. Cubic Yards \_\_\_\_\_

(Check all appropriate sections)

Landfarmed NA Amount Landfarmed (cubic yds): \_\_\_\_\_

Other \_\_\_\_\_

Remediation Location: Onsite \_\_\_\_\_ Offsite \_\_\_\_\_

(i.e., landfarmed onsite, name and location of offsite facility)

General Description of Remedial Action:

Clean Close: Dug three test holes in bottom of existing pit 52" deep.

Ground Water Encountered: No X Yes \_\_\_\_\_ Depth \_\_\_\_\_

Final Pit Closure Sampling:

Sample Location Bottom of pit

(if multiple samples, attach sample result and diagram of sample locations and depths.)

Sample depth 52"

Sample date 1/8/97 Sample time 1545

Sample Results

Soil: Benzene (ppm) \_\_\_\_\_ Water: Benzene (ppb) \_\_\_\_\_

Total BTEX (ppm) \_\_\_\_\_ Toluene (ppb) \_\_\_\_\_

Field headspace (ppm) 6.1 Ethylbenzene (ppb) \_\_\_\_\_

TPH 54 ppm Method 8015 Total Xylenes (ppb) \_\_\_\_\_

Ground Water Sample: Yes \_\_\_\_\_ No X (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND MY BELIEF

DATE 6/26/97 PRINTED NAME Ronald A. Dedrick

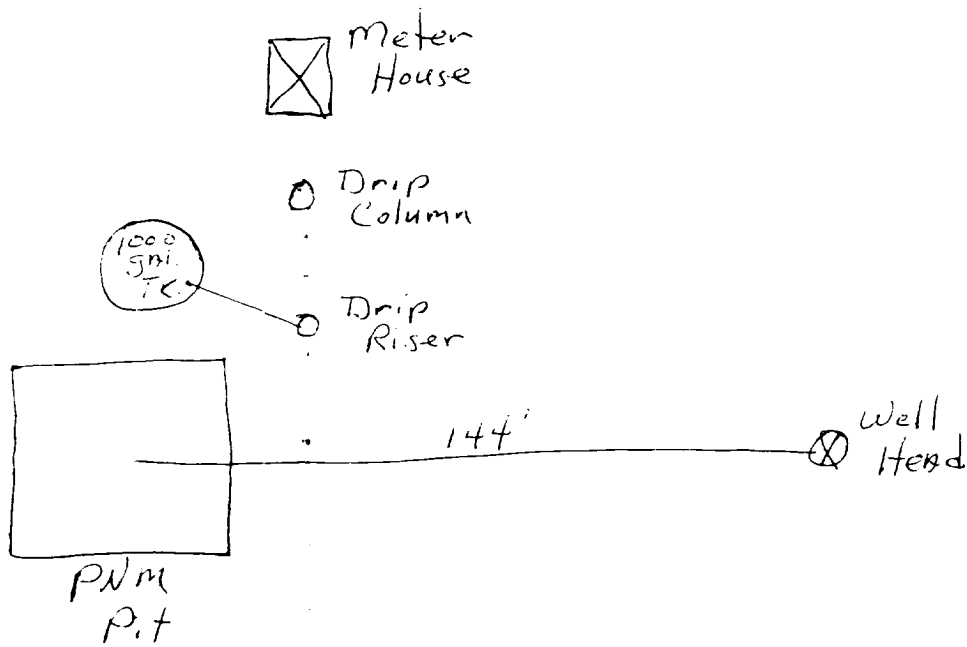
SIGNATURE Ronald A. Dedrick AND TITLE Environmental Technician II

AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

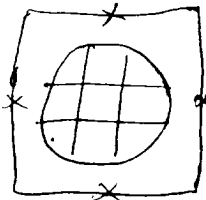
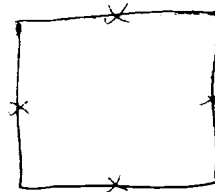
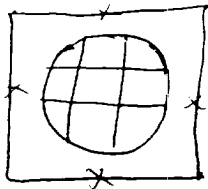
APPROVED: YES X NO \_\_\_\_\_ (REASON): \_\_\_\_\_

SIGNED: Kurt C. Munn DATE: 6-27-97

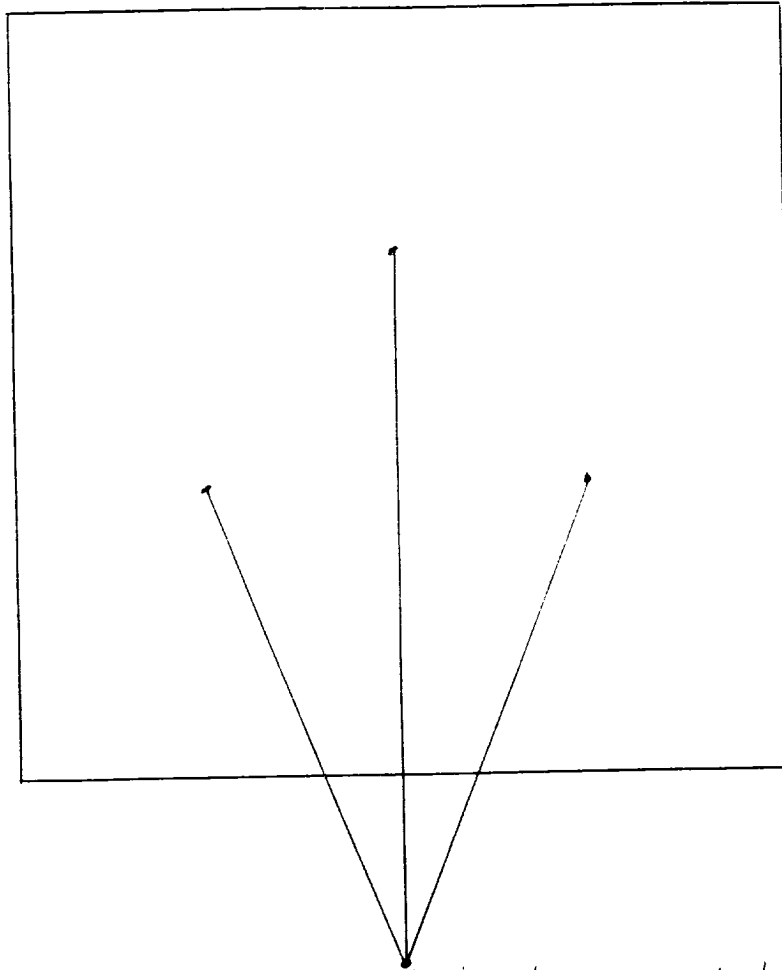
Jicarilla Apache 102-30A  
Sec 10 T26N R4W Unit D  
Amoco



Sep.



Jicarilla Apache 102-30A  
Sec. 10 T26N R4W Unit D  
Amoco



On 1/8/97 dug three test holes 52" deep. And took  
A composite sample. Head space reading was 6.1 ppm.

OFF: (505) 325-5667



LAB: (505) 325-1556

### *Diesel Range Organics*

Attn: *Denver Bearden*  
Company: *PNM Gas Services*  
Address: *603 W. Elm*  
City, State: *Farmington, NM 87401*

Date: *14-Jan-97*  
COC No.: *5716*  
Sample No. *13349*  
Job No. *2-1000*

Project Name: *PNM Gas Services - Jicarilla Apache 102-30A Run 12-11*

Project Location: *9701081545; 3pt. Composite, 52"*

Sampled by: *RD* Date: *8-Jan-97* Time: *15:45*

Analyzed by: *DC/HR* Date: *13-Jan-97*

Sample Matrix: *Soil*

### *Laboratory Analysis*

| <i>Parameter</i>                         | <i>Result</i> | <i>Unit of Measure</i> | <i>Detection Limit</i> | <i>Unit of Measure</i> |
|------------------------------------------|---------------|------------------------|------------------------|------------------------|
| <i>Diesel Range Organics (C10 - C28)</i> | <i>54.0</i>   | <i>mg/kg</i>           | <i>5.0</i>             | <i>mg/kg</i>           |

### *Quality Assurance Report*

DRO QC No.: *0512-QC*

#### *Calibration Check*

| <i>Parameter</i>                | <i>Method Blank</i> | <i>Unit of Measure</i> | <i>True Value</i> | <i>Analyzed Value</i> | <i>% Diff</i> | <i>Limit</i> |
|---------------------------------|---------------------|------------------------|-------------------|-----------------------|---------------|--------------|
| <i>Diesel Range (C10 - C28)</i> | <i>&lt; 5.0</i>     | <i>ppm</i>             | <i>100</i>        | <i>101</i>            | <i>1.0</i>    | <i>15%</i>   |

#### *Matrix Spike*

| <i>Parameter</i>              | <i>1- Percent Recovered</i> | <i>2 - Percent Recovered</i> | <i>Limit</i>    | <i>%RSD</i> | <i>Limit</i> |
|-------------------------------|-----------------------------|------------------------------|-----------------|-------------|--------------|
| <i>Diesel Range (C10-C28)</i> | <i>98</i>                   | <i>100</i>                   | <i>(70-130)</i> | <i>1</i>    | <i>20%</i>   |

**Method** - *SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography*

Approved by: *[Signature]*

Date: *1/14/97*

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -