

Denny & Trust
DEPUTY OIL & GAS INSPECTOR

FEB 28 1997

JICARILLA APACHE TRIBE
ENVIRONMENTAL PROTECTION OFFICE
P.O. BOX 507
DULCE, NEW MEXICO 87528

SUBMIT COPY
NATURAL RESOURCE
AND OIL & GAS ADMINISTRATION

RECEIVED
OCT 31 1996
OIL & GAS DIV.

PIT REMEDIATION AND CLOSURE REPORT

Operator: PNM Gas Services Telephone: 324-3763
Address: 603 W. Elm Farmington, N. Mex 87401
Facility or Well Name: Jicarilla F-6 (Meridian)
Location: Unit or Qtr/Qtr Sec ^{1820 FSL} 1010 E Sec 34 T 26N R 4W County Rio Arriba
Pit Type: Separator ☒ Dehydrator ☐ Other ☐
Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 34', width 28', depth 23'
(Attach diagram)
Reference: wellhead ☒ other ☐
Footage from reference: 99'
Direction from reference: 45 Degrees North of East
of East
West South

Depth To Groundwater: Less than 50 feet (20 points)
(Vertical distance from 50 feet to 99 feet (10 points)
contaminants to seasonal Greater than 100 feet (0 points) 0
high water elevation of groundwater)

Distance to an Ephemeral Stream Less than 100 feet (10 points)
(Downgradient dry wash greater than Greater than 100 feet (0 points) 10
ten feet in width)

Distance to Nearest Lake, Playa, or Watering Pond Less than 100 feet (10 points)
(Downgradient lakes, playas and Greater than 100 feet (0 points) 0
livestock or wildlife watering ponds)

Wellhead Protection Area: Yes (20 points)
(Less than 200 feet from a private No (0 points) 0
domestic water source, or: less than 1000 feet from all other water sources)

Distance To Surface Water: Less than 100 feet (20 points)
(Horizontal distance to perennial 100 feet to 1000 feet (10 points)
lakes, ponds, rivers, streams, creeks, Greater than 1000 feet (0 points) 0
irrigation canals and ditches)

RANKING SCORE (TOTAL POINTS): 10

Date Remediation Started: 7/10/96 Date Completed: 8/14/96

Remediation Method: Excavation X Approx. cubic yards 705

(Check all appropriate sections)

Landfarmed X

~~Landfill~~ 705

Other _____

Remediation Location: Onsite X ^{RAD} Offsite _____

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

General Description of Remedial Action: Removed contaminated soil from pit to get a below 100 ppm head space reading on 4 walls and bottom

Groundwater Encountered: No X Yes _____ Depth _____

Final Pit: Sample location North, East, South, West side

Closure Sampling: walls and pit bottom

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

Sample depth 23'

Sample date 7/10/96 Sample time 1630

Sample Results

Soil: Benzene (ppm) _____ Water: Benzene (ppb) _____

Total BTEX (ppm) _____ Toluene (ppb) _____

Field Headspace (ppm) 80.8 Ethylbenzene (ppb) _____

TPH 8015 (ppm) <5.0 Total Xylenes (ppb) _____

Groundwater 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 BELIEF

DATE 7/15/96 PRINTED NAME Ronald A Dedrick

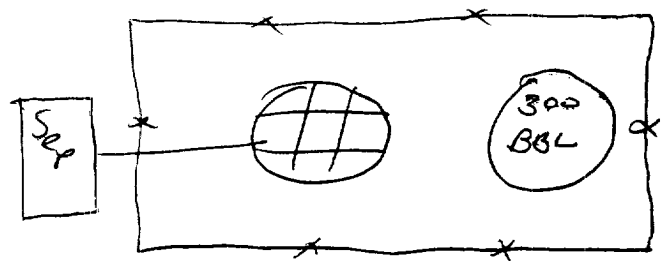
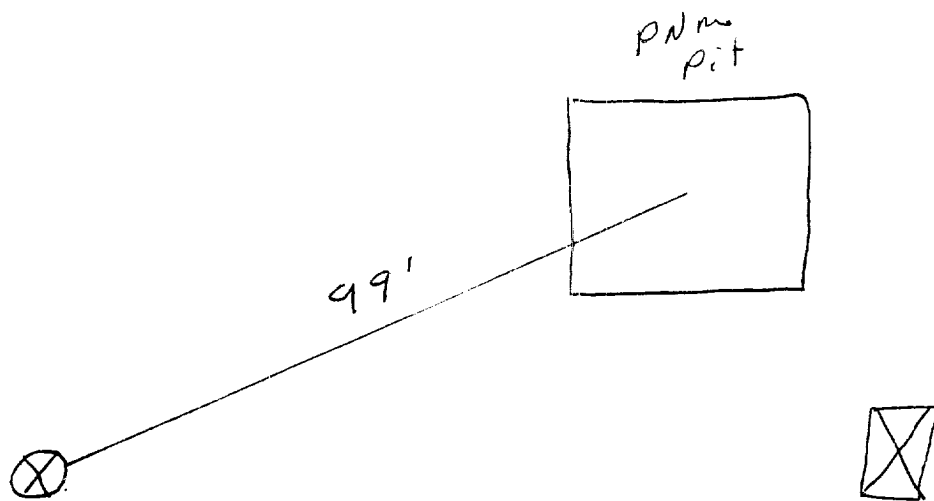
SIGNATURE Ronald A Dedrick AND TITLE E.T.

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

APPROVED: YES X NO _____ (REASON) _____

SIGNED Ronald A Dedrick DATE: 7-16-96

JICANILLA R-6
Sec. 34 T26N R4W
Meridian



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: *15-Jul-96*
 COC No.: *4789*
 Sample No. *11491*
 Job No. *2-1000*

Project Name: *PNM Gas Services - Jicarilla F-6 Run 12-51*
 Project Location: *9607101630; 5pt. Composite*
 Sampled by: *EP* Date: *10-Jul-96* Time: *16:30*
 Analyzed by: *DC* Date: *12-Jul-96*
 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><5.0</i>	<i>mg/kg</i>	<i>5.0</i>	<i>mg/kg</i>

Quality Assurance ReportDRO QC No.: *0475-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><5.0</i>	<i>ppm</i>	<i>2,000</i>	<i>1,832</i>	<i>8.4</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>107</i>	<i>106</i>	<i>(70-130)</i>	<i>0</i>	<i>20%</i>

Method - SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas ChromatographyApproved by: *DC*Date: *7/15/96*

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

**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

ON-SITE SOIL REMEDIATION REPORT

Operator: PNM Gas Services Telephone: 324-3763
Address: 603 W. Elm Farmington, N. Mex. 87401
Facility or Well Name: Jicarilla F-6 (Meridian)
Location: Unit or Qtr/Qtr Sec ^{1820FSL} 1010 FNL Sec 34 T 26N R 4W County Rio Arriba
Land Type: Jicarilla Apache

Date Remediation Started: 7/10/96 Date Completed: 8/14/96
Remediation Method: Landfarmed X Approx. cubic yards 705
Composted
Other

Depth To Groundwater: (pts.) 0
Distance to an Ephemeral Stream (pts.) 10
Distance to Nearest Lake, Playa, or Watering Pond (pts.) 0
Wellhead Protection Area: (pts.) 0
Distance To Surface Water: (pts.) 0

RANKING SCORE (TOTAL POINTS): 10

Final Closure Sampling:

Sampling Date: 8/6/96 Time: 1758
Sample Results:
Field Headspace (ppm) 32.4
TPH (ppm) 20 Method 8015
Other

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

DATE 8/11/96 PRINTED NAME Ronald A. Dedrick
SIGNATURE Ronald A. Dedrick AND TITLE E.T.

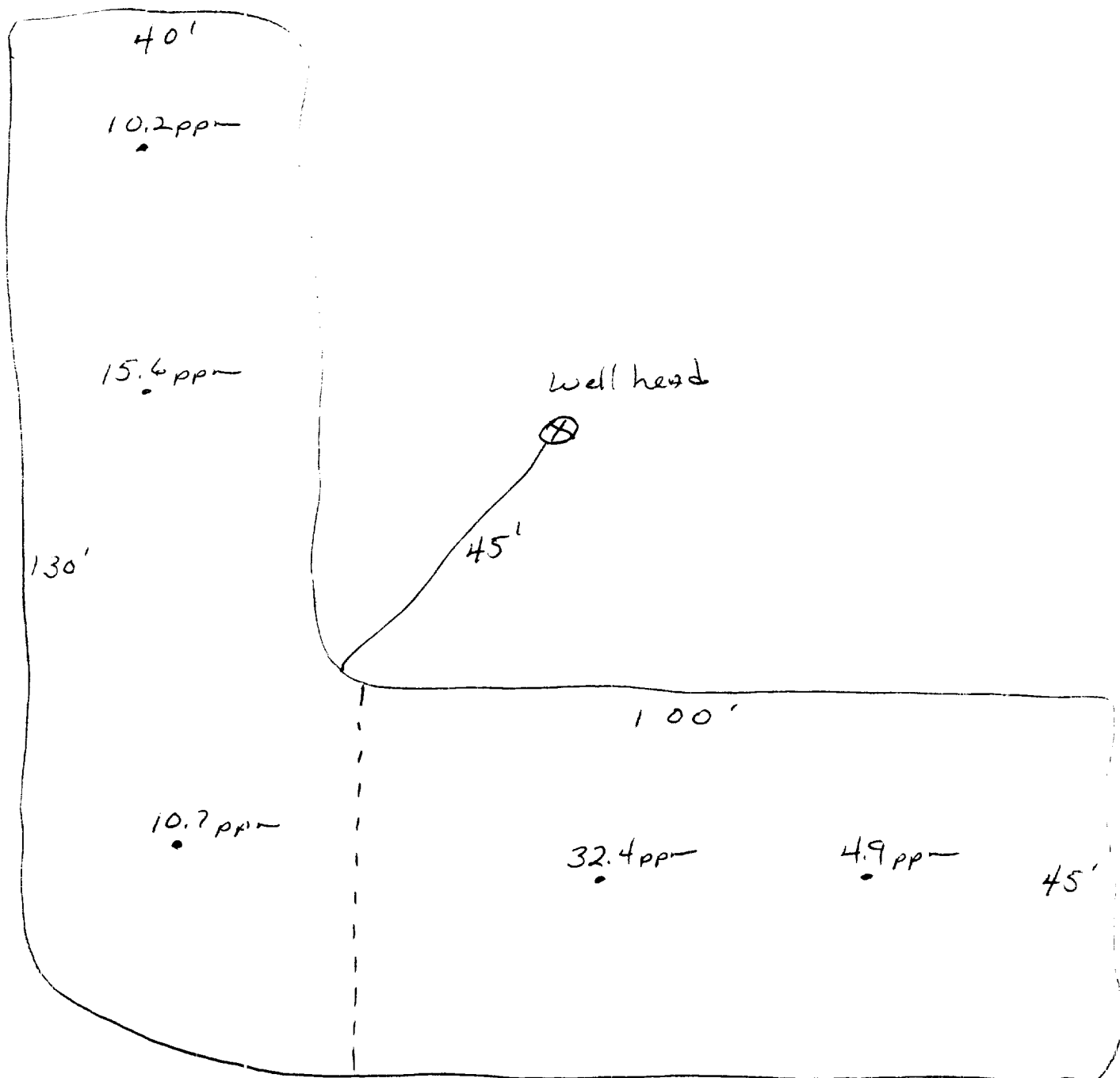
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES ✓ NO (REASON)

SIGNED: Karena Castillo DATE: August 12, 1996

Jicarilla F-6
Sec. 34 T26N R4W
Meridian

Land Farm



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: *9-Aug-96*
COC No.: *4831*
Sample No. *11700*
Job No. *2-1000*

Project Name: *PNM Gas Services - Jicarilla F-6 Run 12-51*
Project Location: *9608061758; 5pt. Composite*
Sampled by: *RD* Date: *6-Aug-96* Time: *17:58*
Analyzed by: *DC* Date: *9-Aug-96*
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>19.5</i>	<i>mg/kg</i>	<i>5.0</i>	<i>mg/kg</i>

Quality Assurance ReportDRO QC No.: *0479-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><5.0</i>	<i>ppm</i>	<i>100</i>	<i>99</i>	<i>1.1</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>96</i>	<i>91</i>	<i>(70-130)</i>	<i>4</i>	<i>20%</i>

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

Approved by: *[Signature]*
Date: *8/9/96*

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