

Denny E. Frost
DEPUTY OIL & GAS INSPECTOR

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

FEB 28 1997

ENVIRONMENTAL COPY
NATURAL RESOURCE DI
AND OIL & GAS ADMINISTRATION

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OCT 31 1996

OIL CON. 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: Axi Apache O-7 (Conoco)
Location: Unit or Qtr/Qtr Sec H Sec 3 T25N R4W County Rio Arriba
Pit Type: Separator ☒ Dehydrator ☐ Other ☐
Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 22', width 21', depth 19'
(Attach diagram)
Reference: wellhead ☒ other ☐
Footage from reference: 78'
Direction from reference: 30° Degrees North of West
West South

Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation of groundwater)	Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 points) <u>0</u>
Distance to an Ephemeral Stream (Downgradient dry wash greater than ten feet in width)	Less than 100 feet (10 points) Greater than 100 feet (0 points) <u>10</u>
Distance to Nearest Lake, Playa, or Watering Pond (Downgradient lakes, playas and livestock or wildlife watering ponds)	Less than 100 feet (10 points) Greater than 100 feet (0 points) <u>0</u>
Wellhead Protection Area: (Less than 200 feet from a private domestic water source, or: less than 1000 feet from all other water sources)	Yes (20 points) No (0 points) <u>0</u>
Distance To Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 100 feet (20 points) 100 feet to 1000 feet (10 points) Greater than 1000 feet (0 points) <u>0</u>

RANKING SCORE (TOTAL POINTS): 10

Date Remediation Started: 7/8/96 Date Completed: 8/5/96

Remediation Method: Excavation X

Approx. cubic yards 325

(Check all appropriate sections)

Landfarmed X

~~Land Excavation~~

Other _____

Remediation Location: Onsite X Offsite _____

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

General Description of Remedial Action: Removed contaminated soil as to get a below 100 ppm headspace reading on all walls and pit bottom

Groundwater Encountered: No X Yes _____ Depth _____

Final Pit:

Sample location North, East, South, West side walls

Closure Sampling:

(if multiple samples,

attach sample results

and diagram of sample

locations and depths)

and bottom of pit

Sample depth

19'

Sample date 7/8/96

Sample time 1135

Sample Results

Soil: Benzene (ppm) _____

Water: Benzene (ppb) _____

Total BTEX (ppm) _____

Toluene (ppb) _____

Field Headspace (ppm) 90.4

Ethylbenzene (ppb) _____

TPH 8015 (ppm) 15.0

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

7/8/96

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

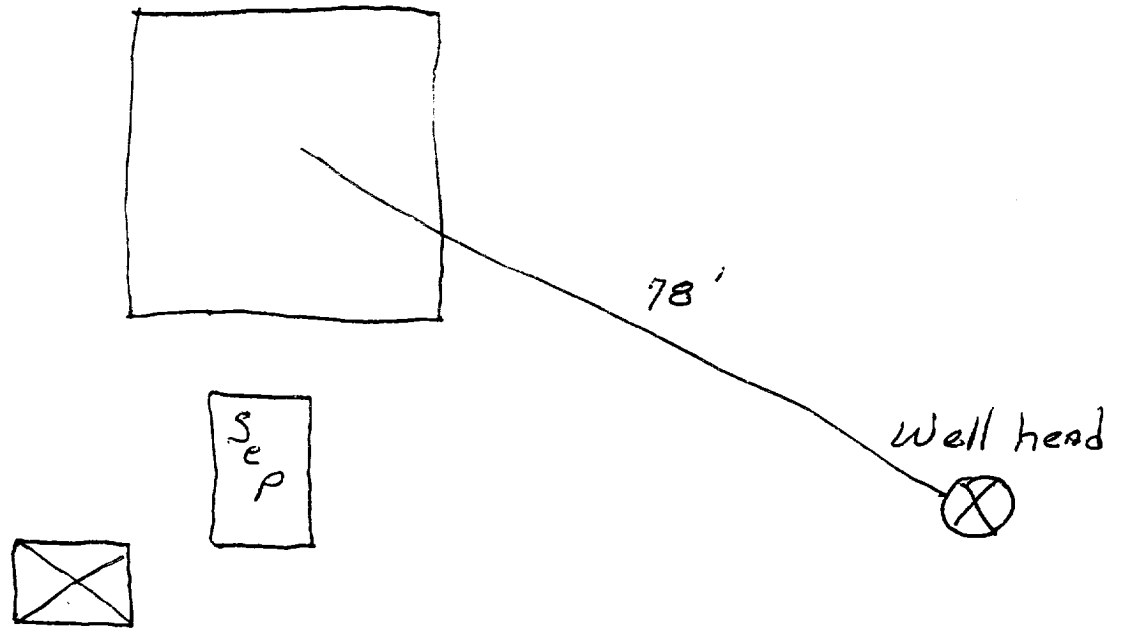
Ronald A Dedrick

DATE:

7-16-96

7xi Apache O-7
Sec. 3 T25N R4W unit H
Conoco

PNM & Conoco
Pit



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.: *4784*
Sample No. *11486*
Job No. *2-1000*

Project Name: *PNM Gas Services - AXI Apache 07 Run 12-51*
Project Location: *9607081135; 5pt. Composite*
Sampled by: *EP* Date: *8-Jul-96* Time: *11:35*
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 Report

DRO 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 Chromatography

Approved by: *[Signature]*
Date: *7/15/96*

P.O. BOX 2606 • FARMINGTON, NM 87499

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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: Axi Apache O - 7 (Conoco)
Location: Unit or Qtr/Qtr Sec 14 Sec 3 T25N R 4W County Rio Arriba
Land Type: Jicarilla Apache

Date Remediation Started: 7/11/96 Date Completed: 8/3/96
Remediation Method: Landfarmed X Approx. cubic yards 325
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: 7/31/96 Time: 0655
Sample Results:
Field Headspace (ppm) 24.9
TPH (ppm) <5.0 Method 8015
Other

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

DATE 8/3/96 PRINTED NAME Ronald A Dedrick
SIGNATURE Ronald A Dedrick AND TITLE E.T.

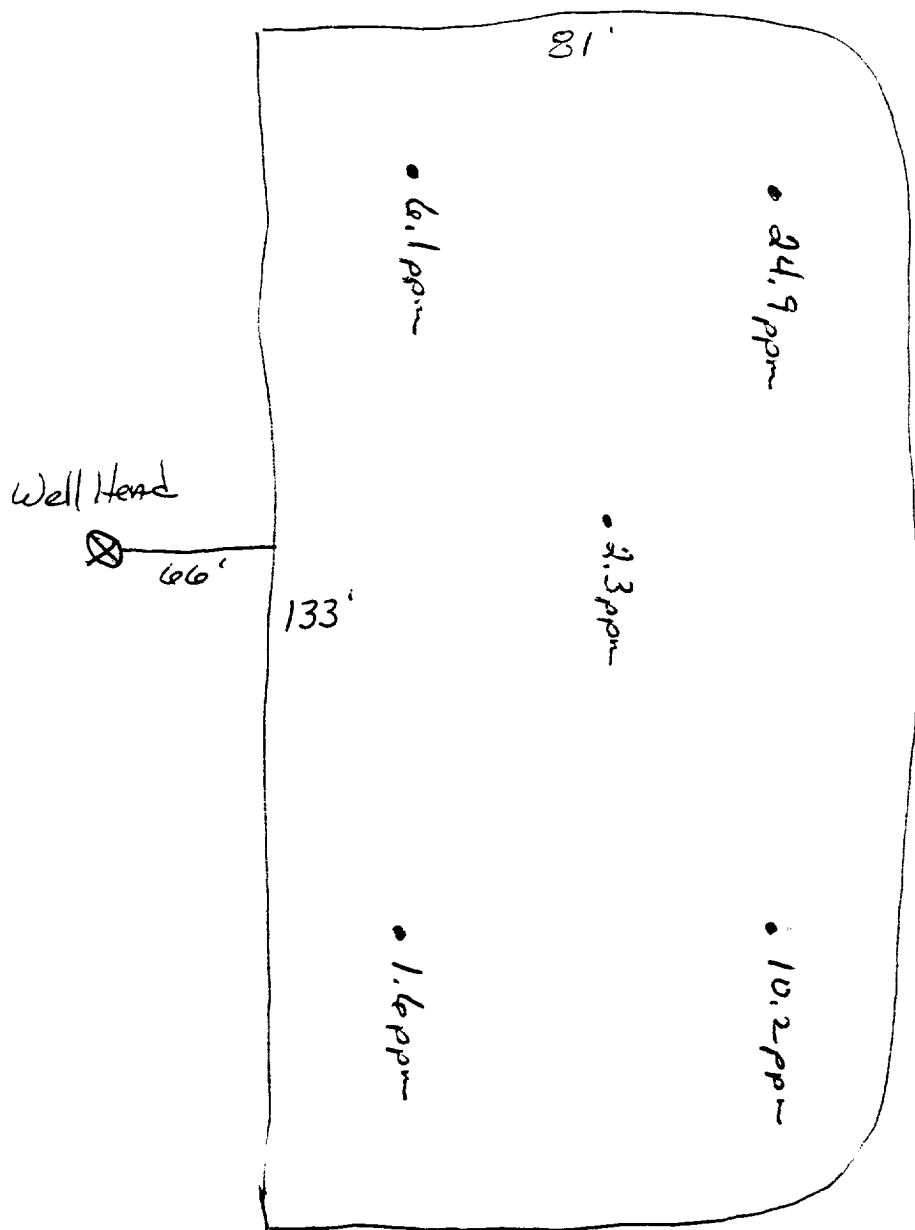
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES X NO (REASON)

SIGNED: Kew C Mammall DATE: 8-5-96

xi Apache O-7
ec. 3 T25N R4W Unit H
unoco

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: *2-Aug-96*
COC No.: *4813*
Sample No. *11664*
Job No. *2-1000*

Project Name: ***PNM Gas Services - Axi Apache 0-7 Landfarm Run 12-51***
Project Location: ***9607310655; 5pt. Composite***
Sampled by: *RD* Date: *31-Jul-96* Time: *6:55*
Analyzed by: *DC/HR* Date: *1-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>< 5.0</i>	<i>mg/kg</i>	<i>5.0</i>	<i>mg/kg</i>

Quality Assurance Report

DRO 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>2,000</i>	<i>1,994</i>	<i>0.3</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>93</i>	<i>99</i>	<i>(70-130)</i>	<i>5</i>	<i>20%</i>

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

Approved by: *[Signature]*
Date: *8/2/96*

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