

Denny E. Frost
DEPUTY OIL & GAS INSPECTOR

FEB 11 1999

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

SUBMIT COPY TO
NATURAL RESOURCE DEPT
AND OIL & GAS REGULATION

PIT REMEDIATION AND CLOSURE REPORT

Operator: MARATHON OIL CO. Telephone: 505 326-2783
Address: P.O. Box 1439 Farmington, N.M.
Facility or Well Name: Jicarilla Apache #11
Location: Unit or Qtr/Qtr Sec. M Sec 28 T 26N R 5W County Rio Arriba
Pit Type: Separator ☐ Dehydrator ☐ Other wellhead Blowdown pit
Land Type: Jicarilla Apache

Pit Location: Pit dimensions length 21' width 21' depth 12'
(Attach diagram) Reference: wellhead ☒ other ☐
Footage from reference 36'
Direction from reference ☐ Degrees ☐ East North ☒
☐ West ☐ South ☐

Depth To Groundwater: Less than 50 feet (20 points)
(Vertical distance from 51 feet to 99 feet (10 points)
contaminants to seasonal high water elevation of greater than 100 feet (0 points) 0
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: 8-16-96 Date Completed: 8-28-96

Remediation Method: Excavation ☒ Approx. cubic yards 200
(Check all appropriate sections) Landfilled ☒ In situ remediation _____

Other _____

Remediation Location: Onsite ☒ Offsite _____
(i.e. landfilled onsite, name and location of offsite facility)

General Description of Remedial Action: Land farmed approximately 6" thick.
Will fill land farm for natural BioRemediation.

Groundwater Encountered: No ☒ Yes _____ Depth _____

Final Pit: Sample location each sidewall + bottom from 12'

Closure Sampling: _____
(if multiple samples, attach sample results and diagram of sampling locations and depths)
Sample depth: 12'

Sample Date 8-16-96 Sample Time 9:00 AM

Sample Results

Soil Benzene (ppm)	_____	Water Benzene (ppb)	_____
Total BTEX (ppm)	_____	Toluene (ppb)	_____
Field Head space (ppm)	<u>see attached</u>	Ethylbenzene (ppb)	_____
TPH (ppm)	<u>ND</u>	Total Nylones (ppb)	_____

Groundwater Sample: Yes _____ No ☒ (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 8-21-96 PRINTED NAME GARY W. Donaghey

SIGNATURE Gary W. Donaghey AND TITLE Production Supervisor

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

APPROVED: YES ☒ NO _____ REASON: _____

SIGNED: [Signature] DATE 8-21-96

NOTES

NOTES/NOTAS

SUBJECT Pit Closure

SUET/ASUNTO

PERSONS/GROUP

PERSONAS/GRUPO

Relinquished by OK Received by Boy W. Webb

PHONE

TELEFONO

FAX

TELECOPIEUR/FAX

DATE 8-16-96

LOCATION

LIEU/LUGAR

Ticarrilla Apache #11

DATE /FECHA

LIEU/LUGAR

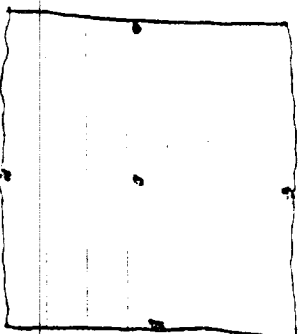
well head

2 1/2' deep hole in vegetation pit
for sample. Brown Bound

5' PID - 283

16' pit 12' x 21' x 21'
under 200 cubic yards.

Samples 1/4 North 60 ppm Composite #1
12' South 60 ppm
#3 East 51 ppm
9.6 A.M. #2 West 40 ppm
#5 13.45 pm 60 N



5

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

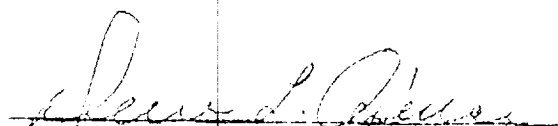
Client:	Marathon Oil Co.	Project #:	95047
Sample ID:	Jicarilla #11 #1	Date Reported:	08-20-96
Laboratory Number:	A479	Date Sampled:	08-16-96
Chain of Custody No:	4852	Date Received:	08-16-96
Sample Matrix:	Soil	Date Extracted:	08-20-96
Preservative:	Cool	Date Analyzed:	08-20-96
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: Jicarilla #11 #1.


Analyst


Review

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

SECRET
NATIONAL RESOURCES
AND OIL & GAS ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

Operator: MARATHON OIL CO. Telephone: 505-326-2783

Address: P.O. Box 1439 Farmington, N.M. 87449

Facility or Well Name: Jicarilla Apache #11

Location: Lat or Qtr Qtr Sec M Sec 28 T26N R5W County Rio Arriba

Land Type: Jicarilla Apache

Date Remediation Started: 8-16-96 Date Completed: 10-31-96

Remediation Method: Landfilled ☒ Approx. cubic yards 200

			Final Closure Sampling
Depth To Groundwater:	ft.	<u>0</u>	
Distance to an Epithermal Stream	ft.	<u>10</u>	Sampling Date: <u>10-9-96</u> Time: <u>10:00 AM</u>
Distance to Nearest Lake, Playa, or Watering Pond	ft.	<u>0</u>	Sample Results:
Wellhead Protection Area:	ft.	<u>0</u>	Heavy Metals (ppm) <u>14</u>
Distance To Surface Water:	ft.	<u>0</u>	TPH (ppm) <u>N.D.</u> Method <u></u>
			Other <u></u>

RANKING SCORE TOTAL POINTS: 10

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

DATE: 10-9-96 PRINTED NAME: Darryl W. Donaghey
SIGNATURE: Darryl W. Donaghey AND TITLE: Production Supervisor

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: Habibul Jalil DATE: 10/16/96

ENVIROTECH LABS

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

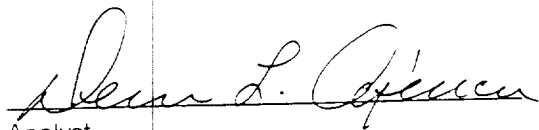
Client:	Marathon Oil	Project #:	95047
Sample ID:	#11 Landfarm	Date Reported:	10-10-96
Laboratory Number:	A653	Date Sampled:	10-09-96
Chain of Custody No:	4949	Date Received:	10-09-96
Sample Matrix:	Soil	Date Extracted:	10-10-96
Preservative:	Cool	Date Analyzed:	10-10-96
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

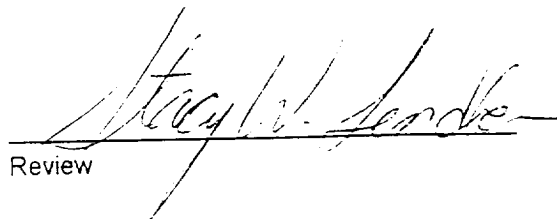
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015. Nonhalogenated Volatile Organics. Test Methods for Evaluating Solid Waste.
SW-846. USEPA. July 1992.

Comments: Jicarilla.

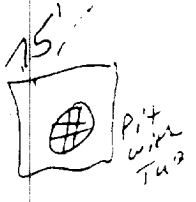
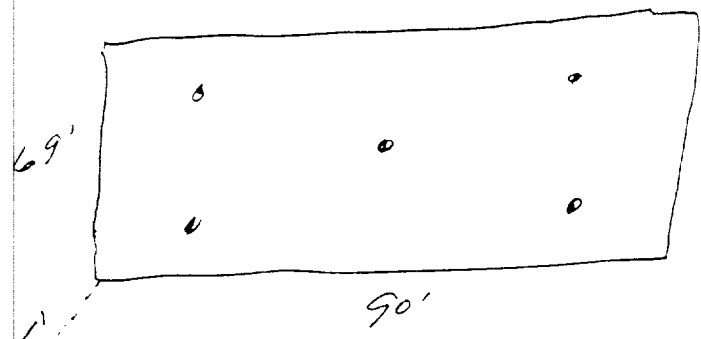

Analyst


Review

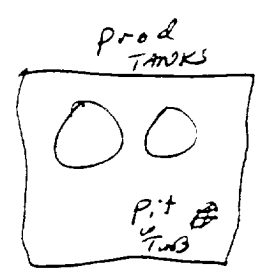
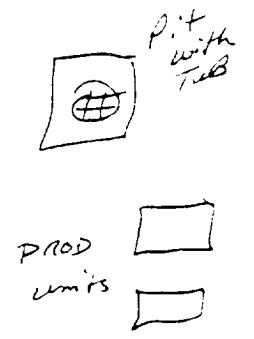
NW - 4.9-6
 NE - 9.1-10"
 C - 1.6-4"
 SW - 14.6-12"
 SE - 1.5 - surface

10:00 A.M.

N



#11
 wellhead



meter flow

S