

Denny S. Frost
DEPUTY OIL & GAS INSPECTOR

FEB 11 1999

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

RECEIVED
DEC 14 1998

SUBMIT COPY TO
N.M. RESOURCE DEPT
AND OIL & GAS ADMINISTRATION

Approved
PIT REMEDIATION AND CLOSURE REPORT

Operator: Marathon Oil Co. Telephone: 505-326-2783

Address: P.O. Box 1439 Farmington, N.M. 87499

Facility or Well Name: Jicarilla Apache #13

Location: Unit or Qtr/Qtr Sec M Sec 33 T26N R5W County Rio Arriba

Pit Type: Separator ☒ Dehydrator ☐ Other ☐

Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 30' width 21' depth 8'

(Attach diagram)

Reference Wellhead ☒ Other ☐

Footage from reference: 171'

Direction from reference: _____ Degrees _____ East North X
or
_____ 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) 0

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) 0

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) 0

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) 0

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) 0

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: 8-30-96 Date Completed: 10-20-96

Remediation Method: Excavation ☒ 200 cubic yards 200 c.y.
(Check all appropriate sections) Landfilled ☒ In situ bioremediation ☐

Other ☐

Remediation Location: Onsite ☒ Offsite ☐
(If landfilled, name and location of offsite facility)

General Description of Remedial Action: Spread on location for natural bio remediation.

Groundwater Encountered: No ☒ Yes ☐

Final Pit: Sample location each sidewall + bottom.

Closure Sampling: each sidewall + bottom.
attach sample results and diagram of sample locations and depths. Sample depth: 8'
Sample date 8-30-96 Sample time 11:00 A.M.

Sample Results

Soil Benzene (ppm)	_____	Air Benzene (ppb)	_____
Total BTED (ppm)	_____	Toluene (ppb)	_____
Field Headspace (ppm)	<u>see attached</u>	Ethylbenzene (ppb)	_____
TPH (ppm)	<u>3.9</u>	Total Xylenes (ppb)	_____

Groundwater Sampler: 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 9-4-96 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: 9-4-96

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

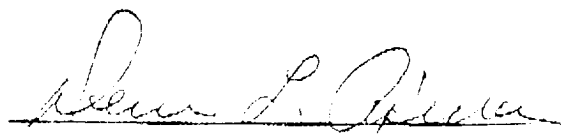
Client:	Marathon Oil Co..	Project #:	95047
Sample ID:	Jicarilla #13	Date Reported:	09-03-96
Laboratory Number:	A522	Date Sampled:	08-30-96
Chain of Custody No:	4865	Date Received:	09-03-96
Sample Matrix:	Soil	Date Extracted:	09-03-96
Preservative:	Cool	Date Analyzed:	09-03-96
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	3.9	0.1
Total Petroleum Hydrocarbons	3.9	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 Apache, Jicarilla #13, Sample #4 Sep. Pit.


Analyst

Review

NOTES/REMARKS/NOTAS

Ticconilla Apache #13

4' sample - Evaporation pit 6.5 ppm
Sample #5

Separator pit. 12x24 original
30'x21'x8'

5' sample 265 ppm

N
61

W 22

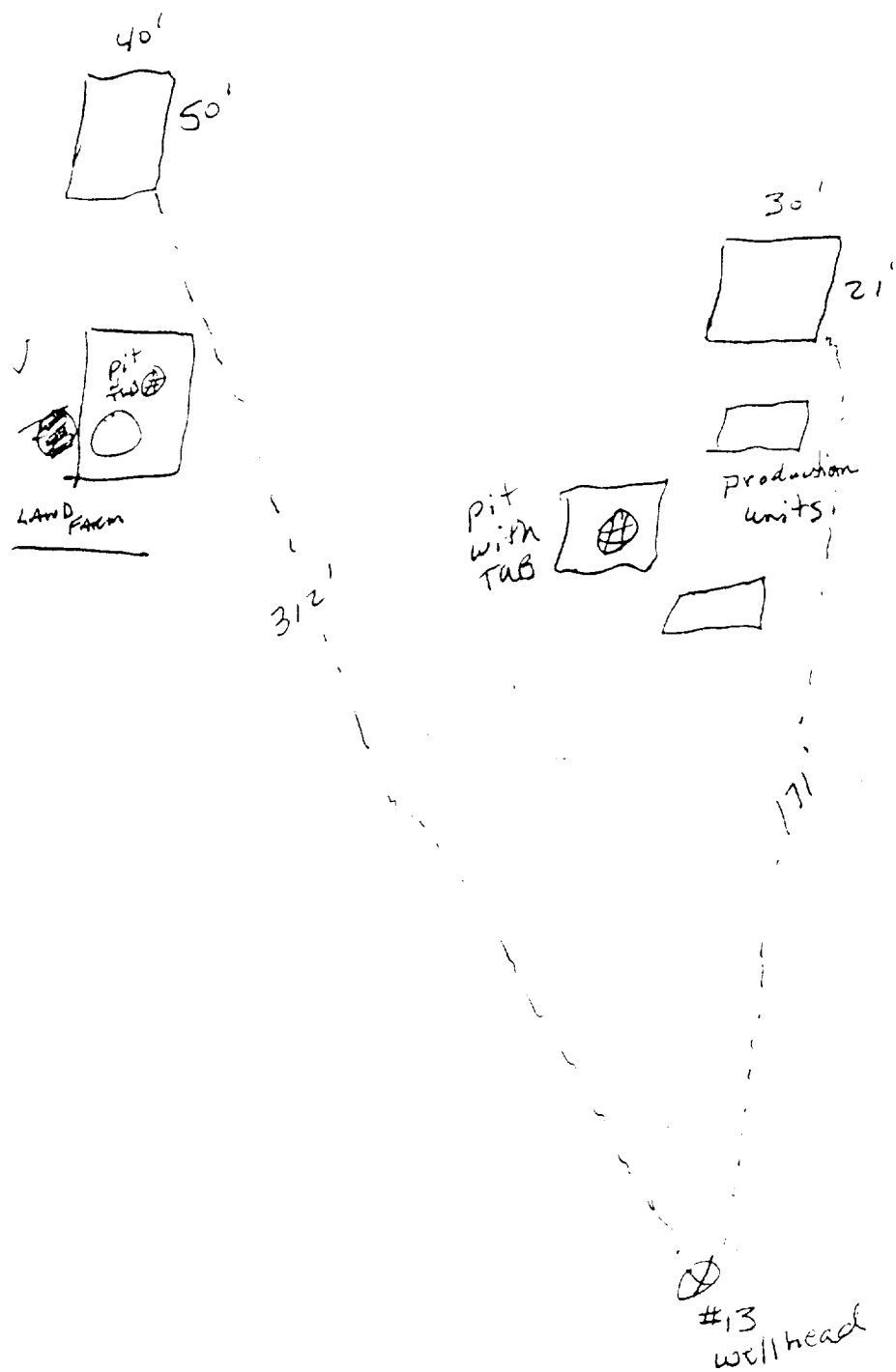
0.8 ppm

E
77 ppm

27

5

12



Σ

5

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

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
OFFICE OF ENVIRONMENTAL MANAGEMENT

ON-SITE SOIL REMEDIATION REPORT

Operator: Marathon Oil Co. Telephone: 505-326-2783
Address: P.O. Box 1439 Farmington N.M. 87499
Facility or Well Name: Jicarilla Apache #13
Location: Qtr Qtr Sec M Sec 33 T22N R5W County Rio Arriba
Land Type: _____
Date Remediation Started: 8-30-96 Date Completed: 10-31-96
Remediation Method: Landfilled ☒ Approx. square yards 200
ing used _____
for _____
Depth To Groundwater: 0 Final Closure Sampling:
Distance to an Epiformal Stream: 0 Sampling Date: 10-9-96 Time: 11:00 A.M.
Distance to Nearest Lake, Playa, or Watering Pond: 0 Sampling Results:
Wellhead Protection Area: 0 Field Headspace (ppm): 1.5
Distance To Surface Water: 0 TPH (ppm): 13.1 Method: 8015 MOD
Other: _____

RANKING SCORE (TOTAL POINTS): 0

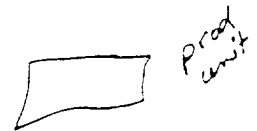
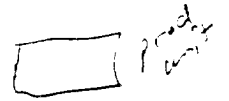
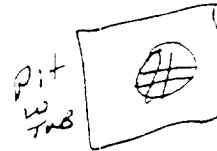
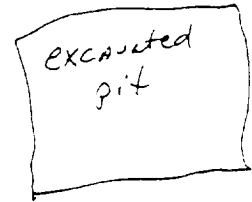
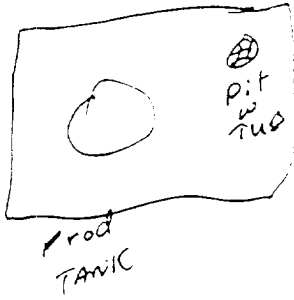
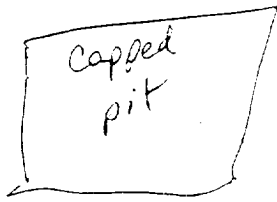
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

DATE: 10-9-96 PRINTED NAME: GARY W. DONAGHEY
SIGNATURE: Gary 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.

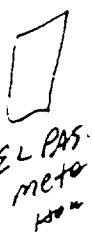
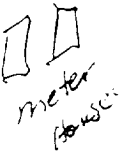
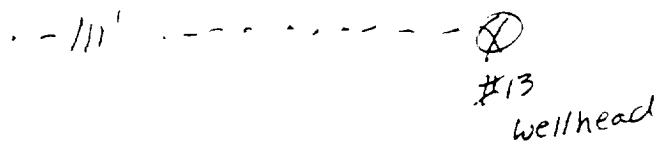
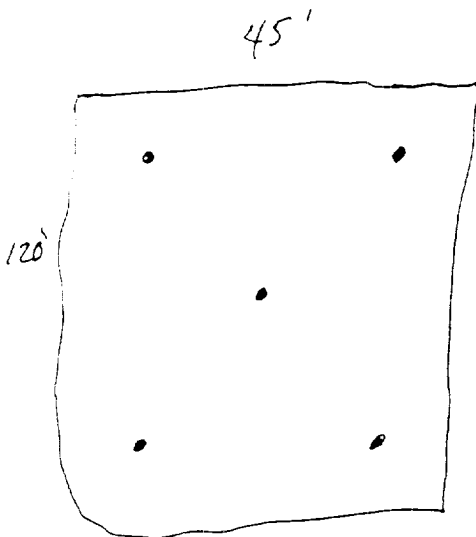
APPROVED: YES ☒ NO _____ REASON: _____

SIGNED: H. L. J. [Signature] DATE: 11/16/96



11:00 A.M.

NW .03
 NE .09
 C 1.1
 SW 2.8
 SE 0
 Compens 1.5



ENVIROTECH LABS

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client: Marathon Oil
Sample ID: #13 Landfarm
Laboratory Number: A655
Chain of Custody No: 4949
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

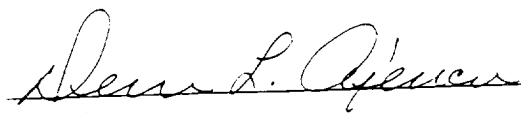
Project #: 95047
Date Reported: 10-10-96
Date Sampled: 10-09-96
Date Received: 10-09-96
Date Extracted: 10-10-96
Date Analyzed: 10-10-96
Analysis Requested: 8015 TPH

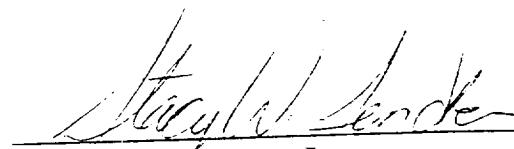
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	0.6	0.2
Diesel Range (C10 - C28)	12.5	0.1
Total Petroleum Hydrocarbons	13.1	0.2

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