

Denny E. Faust
DEPUTY OIL & GAS INSPECTOR

FEB 11 1999

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

Approved

PIT REMEDIATION AND CLOSURE REPORT

RECEIVED
DEC 14 1998

SUBMIT COPY TO
NATURAL RESOURCE DEPT
OIL & GAS ADMINISTRATION

Operator: Marathon Oil Co. Telephone: 505-326-2783
Address: P.O. Box 1439 Farmington, N. M. 87499
Facility or Well Name: Jicarilla Apache #14
Location: Unit or Qtr/Qtr Sec M Sec 34 T26N R5W County Rio Arriba
Pit Type: Separator ☒ Dehydrator ☐ Other ☐
Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 30', width 21', depth 10'
(Attach diagram) Reference: wellhead ☒, other ☐
Footage from reference: 150'
Direction from reference _____ Degrees X East North _____
West South _____

Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation or 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: 8-31-96 Date Completed: 10-20-96

Remediation Method: Excavation X Approx. cubic yards 233

(Check all appropriate sections) Landfilled X Insitu Bioremediation _____

Other _____

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

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

Groundwater Encountered: No ✓ Yes _____ Depth _____

Final Pit: Sample location each side wall + bottom

Closure Sampling: _____
(if multiple samples,
attach sample results
and diagram of sample
locations and depths) Sample depth 10'
Sample date 8-31-96 Sample time 12:30 p.m.

Sample Results

Soil Benzene (ppm)	_____	Water Benzene (ppb)	_____
Total BTEX (ppm)	_____	Toluene (ppb)	_____
Field Heedapace (ppm)	<u>15.9</u>	Ethylbenzene (ppb)	_____
TPH (ppm)	<u>1.0</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 X NO _____ (REASON) _____

SIGNED: Kenneth McNeill DATE: 9-4-96

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

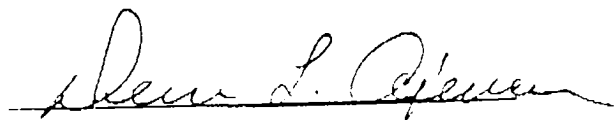
Client:	Marathon Oil Co..	Project #:	95047
Sample ID:	Jicarilla #14	Date Reported:	09-04-96
Laboratory Number:	A527	Date Sampled:	08-31-96
Chain of Custody No:	4865	Date Received:	09-03-96
Sample Matrix:	Soil	Date Extracted:	09-03-96
Preservative:	Cool	Date Analyzed:	09-03-96
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	1.0	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	1.0	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 #14, Sample #9 Sep. Pit.


Analyst

Review

NOTES/REMARKS/NOTAS

Jicarilla # 14

15 X 15 X 3' wellhead pit

20 X 15 X 3' sep. pit

40 X 20 X 4' produced water evaporation pit

12:30 pm
5' sample - evaporation pit sample #7
3.5 ppm

5' sample wellhead pit sample #8
5.5 ppm

5' sample separator pit composite #9
265 ppm

30 X 21 X 10'

N

0.5

W

2.3

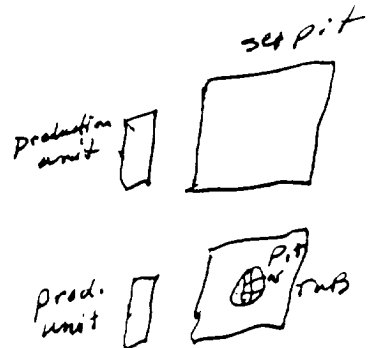
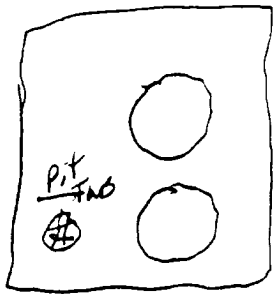
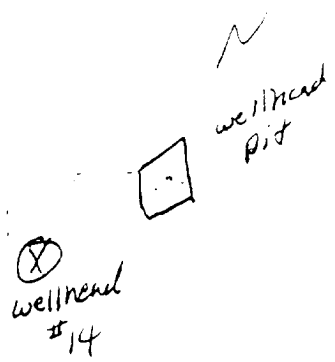
15.9

2.6

E

0.9

S



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P.O. BOX 507
DULCE, NEW MEXICO 87528

STATE OF NEW MEXICO
DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES

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 #14

Location: Cat or Qtr: Qtr Sec M Sec 34 T 26N R 5W County Rio Arriba

Land Type: Jicarilla Apache

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

Remediation Method: Landfilled ☒ Approx. cubic yards 233

Composite ☐

Other ☐

		Final Closure Sampling	
Depth To Groundwater:	ft. <u>0</u>	Sampling Date:	<u>10-9-96</u> Time <u>12:00pm</u>
Distance to an Ephemeral Stream:	ft. <u>10</u>	Sample Results:	
Distance to Nearest Lake, Playa, or Watering Pond:	ft. <u>0</u>	Field Headspace (ppm)	<u>8.3</u>
Wellhead Protection Area:	ft. <u>0</u>	TPH (ppm)	<u>2.2</u> Method <u>8015 MOD</u>
Distance To Surface Water:	ft. <u>0</u>	Other	

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: 10-16-96 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: Robert J. J. DATE: 10/16/96

ENVIROTECH LABS

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Marathon Oil	Project #:	95047
Sample ID:	#14 Landfarm	Date Reported:	10-11-96
Laboratory Number:	A658	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:	3015 TPH

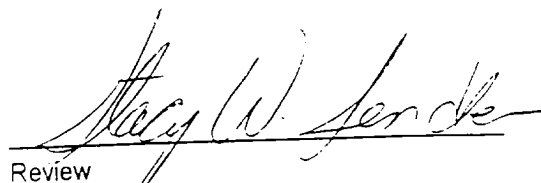
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	2.2	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	2.2	0.2

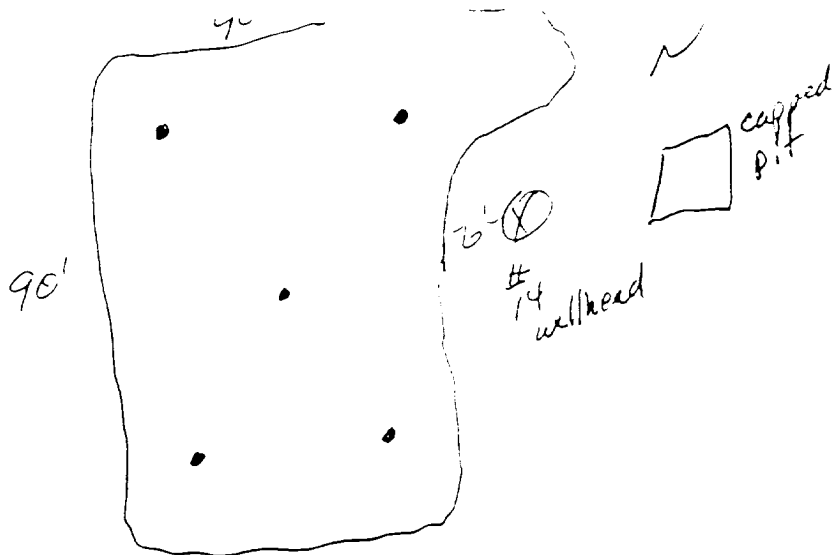
ND - Parameter not detected at the stated detection limit.

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

Comments: Jicarilla.


Analyst


Review



EL Pits
meter
house

meter
houses

excavated
pit

prod
units

air
tu

NW 0 6" 12:10pm
NE 5.3 10"
C .5 8"
SW 0 4"
SE 0 2"

W comp. 2.4

prod.
TANKS.

capped
pit

