

Denny E. Foust
DEPUTY OIL & GAS INSPECTOR

FEB 11 1999

JICARILLA APACHE TRIBE
ENVIRONMENTAL PROTECTION
P.O. BOX 507
DULCE, NEW MEXICO 87530

SUBMIT COPY TO
NATURAL RESOURCE DEPT
OIL & GAS ADMINISTRATION

RECEIVED
DEC 14 1998
OIL CON. DIV.
DEC 3

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 #16
Location: Unit or Qtr. Qtr. Sec. J Sec. 28 T26N R5W County Rio Arriba
Pit Type: Separator ☒ Dehydrator ☐ Other ☐
Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 36', width 24', depth 15'
(Attach diagram)
Reference: wellhead ☒, other ☐
Footage from reference 180'
Direction from reference: _____ Degrees _____ East North X
_____ 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) 0
Greater than 100 feet (0 points)

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: 8-16-96 Date Completed: 8-28-96

Remediation Method: excavation ☒ Approx. cubic yards 500
(Check all appropriate sections) Landfarming ☒ In-situ Bioremediation _____

Other _____

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

General Description of Remedial Action: Land farmed 6" thick on well pad.
Will turnover periodically for natural bioremediation

Groundwater Encountered: No ☒ Yes _____ Depth _____

Final Pit: Sample location each sidewall + bottom

Closure Sampling: _____
(if multiple samples, attach sample results and diagram of sample locations and depths) Sample depth: 15'

Sample date 8-16-96 Sample time 11:00 A.M.

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 Xylenes (ppb)	_____

Groundwater Sample: No ☒ Yes _____ (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: Ken C. Murrell DATE: 8-21-96

NOTES

STILLER
SOCIETAS

PERSONS/GROUP

Relinquished by Wm. H. H. H. H. Received by Henry H. H. H.

PLANE TABLET

76-71-8

FAX
TELECOM ITALIA

Tiarella Apache 2/10

no separator.

Began excavation.

5' sample 306

10. sample 307

15, sample 5.7

Samples North 70

South

East 15

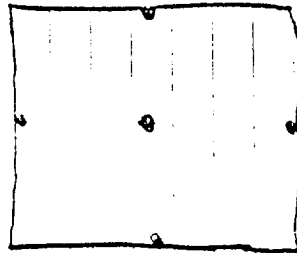
West 2.2

Ex. 5.7

Camposite #4

15' deep

2



23

3

w

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

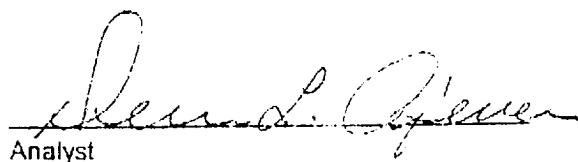
Client:	Marathon Oil Co.	Project #:	95047
Sample ID:	Jicarilla #16 #4	Date Reported:	08-20-96
Laboratory Number:	A482	Date Sampled:	08-16-96
Chain of Custody No:	4852	Date Received:	08-16-96
Sample Matrix:	Soil	Date Extracted:	08-20-96
Preservative:	Cool	Date Analyzed:	08-20-96
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

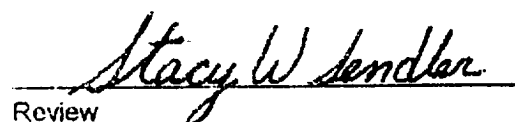
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

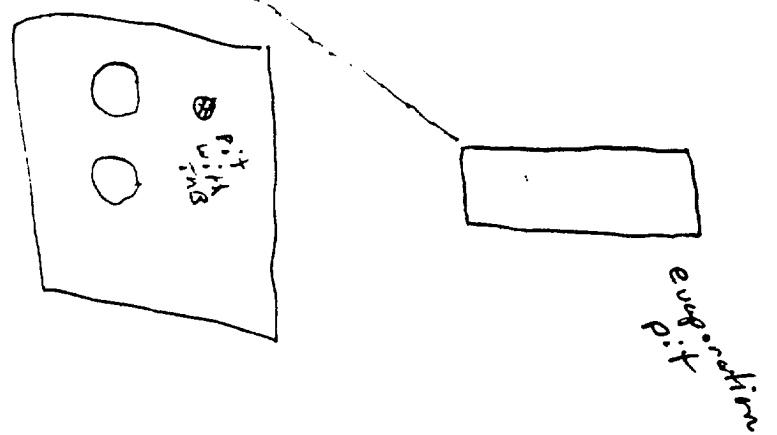
ND - Parameter not detected at the stated detection limit.

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

Comments: Jicarilla #16 #4.


Analyst


Review



NATIONAL ACADEMY OF SCIENCES
NATIONAL RESOURCE DEVELOPMENT
AND OIL & GAS ADMINISTRATION

Depth To Groundwater:		ft.	<u>0</u>	Final Closure Sampling:	
Distance to an Ephemeral Stream		ft.	<u>10</u>	Sampling Date:	<u>10-9-96</u> Time: <u>9:10 Am</u>
Distance to Nearest Lake, Playa, or Watering Pond		ft.	<u>0</u>	Sample Results	
Wellhead Protection Area:		ft.	<u>0</u>	Field Headspace (ppm)	<u>1.4</u>
Distance To Surface Water:		ft.	<u>0</u>	TPH (ppm)	<u>2.0</u> Method <u>8015</u>
		ft.	<u>0</u>	Other	

RANKING SCORE (TOTAL POINTS): 10

RANKING SCORE (TOTAL POINTS) 70

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 HICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES / NO (REASON) _____

SIGNED: Robert J. L. DATE: 10/16/96

ENVIROTECH LABS

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

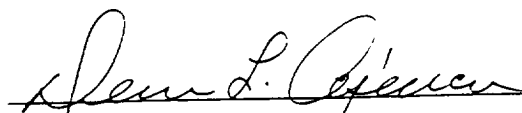
Client:	Marathon Oil	Project #:	95047
Sample ID:	#16 Landfarm	Date Reported:	10-10-96
Laboratory Number:	A652	Date Sampled:	10-09-96
Chain of Custody No:	4949	Date Received:	10-09-96
Sample Matrix:	Soil	Date Extracted:	10-10-96
Preservative:	Cool	Date Analyzed:	10-10-96
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

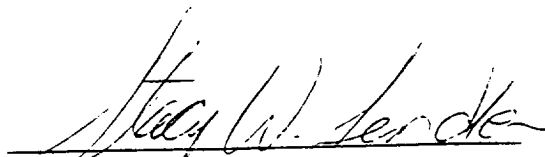
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	0.6	0.2
Diesel Range (C10 - C28)	1.4	0.1
Total Petroleum Hydrocarbons	2.0	0.2

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.**


Analyst

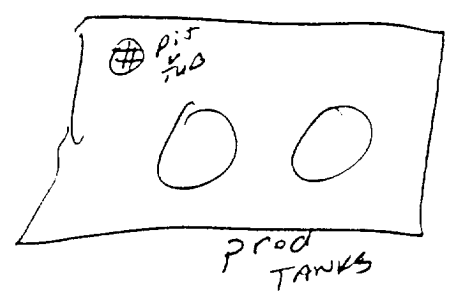

Review

#16 LAND FARM



N

pit

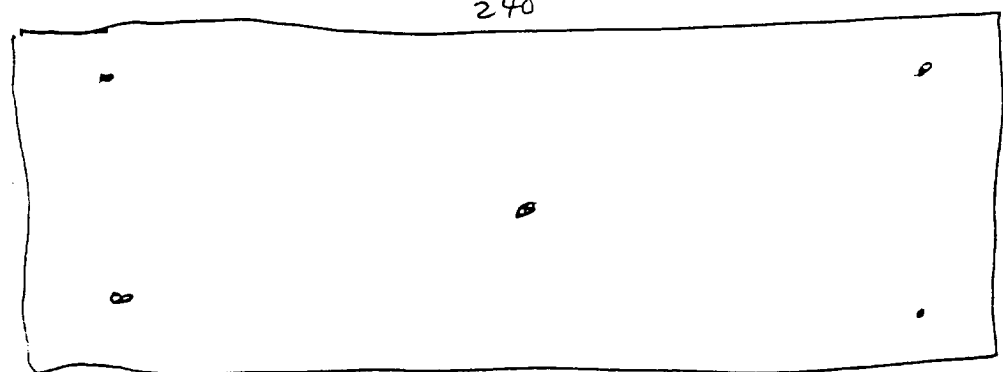


W

016' well head
10'

240'

60'



LAND FARM

9:10 AM

NW - 8" - 1.4

NE - 2" - 0

C 6" - .6

SE surface - 0

SE 4" - .4

E

S