

George E. Frost

DEPUTY OIL & GAS INSPECTOR

FEB 11 1999

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

84 BSH:11 1600'N .

NATIONAL RESERVE DE
OIL & GAS ADMINISTRATION

Approved.

PIT REMEDIATION AND CLOSURE REPORT

OFFICE
NATURE
AND OIL & GAS
REPORT
RECEIVED
DEC 14 1950
OIL COM DIV
BUREAU

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

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

Facility or Well Name: Jicarilla Apache #15

Location: Unit or Qtr. Qtr. Sec. G Sec. 33 T. 26N R. 5W County Rio Arriba

Pit Type: Separator X Dehydrator Other

Land Type: Ticarilla Apache

Pit location: Pit dimensions: length 45', width 45', depth 15'

Reference: wellhead X of lot: _____

Footage from reference 30

Direction from reference _____ Degrees _____ of _____ East North X
West South _____

Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation of groundwater)	Less than 50 feet 50 feet to 99 feet Greater than 100 feet	(20 points) (10 points) (0 points)	<u>0</u>
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Distance to an Ephemeral Stream (Downgradient dry wash greater than ten feet in width)	Less than 100 feet Greater than 100 feet	(10 points) (0 points)	<u>10</u>
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Distance to Nearest Lake, Playa, or Watering Pond (Downgradient lakes, playas and livestock or wildlife watering ponds)	Less than 100 feet Greater than 100 feet	(10 points) (0 points) <u>0</u>
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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:	Less than 100 feet	(20 points)
Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals, and ditches:	100 feet to 1000 feet	(10 points)
	Greater than 1000 feet	(0 points)

0

RANKING SCORE (TOTAL POINTS): 10

Date Remediation Started: 9-27-96 Date Completed: 10-20-96

Remediation Method: Excavation X Approx. cubic yards: 400

(Check all appropriate sections) Transformed X In situ bioremediation _____

Other _____

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

General Description of Remedial Action: Spread on location for natural
Bioremediation

Groundwater Encountered: No X Yes _____ Depth _____

Final Pit: Sample location Each sidewall and bottom. 1'

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

Sample date 9-27-96 Sample time 9:45

Sample Results

Soil Benzene (ppm)	_____	Water Benzene (ppb)	_____
Total BTXN (ppm)	_____	Toluene (ppb)	_____
Field Headspace (ppm)	<u>15</u>	Ethylbenzene (ppb)	_____
TPH (ppm)	<u>ND</u>	Total Xylenes (ppb)	_____

Groundwater Sampler: Yes _____ No X (attach sample results)

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

DATE 10-7-96 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: Hubert Johnson DATE: 10/16/96

ENVIROTECH LABS

~~SPRACHEM LABORATORY~~

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

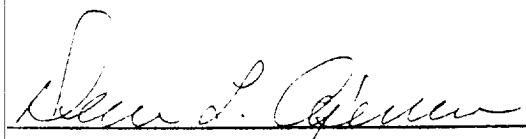
Client:	Marathon Oil Company	Project #:	95047
Sample ID:	Jicarilla #15	Date Reported:	10-01-96
Laboratory Number:	A609	Date Sampled:	09-27-96
Chain of Custody No:	4938	Date Received:	09-30-96
Sample Matrix:	Soil	Date Extracted:	09-30-96
Preservative:	Cool	Date Analyzed:	09-30-96
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

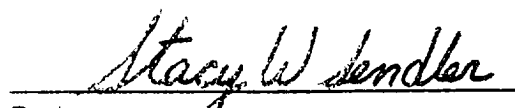
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

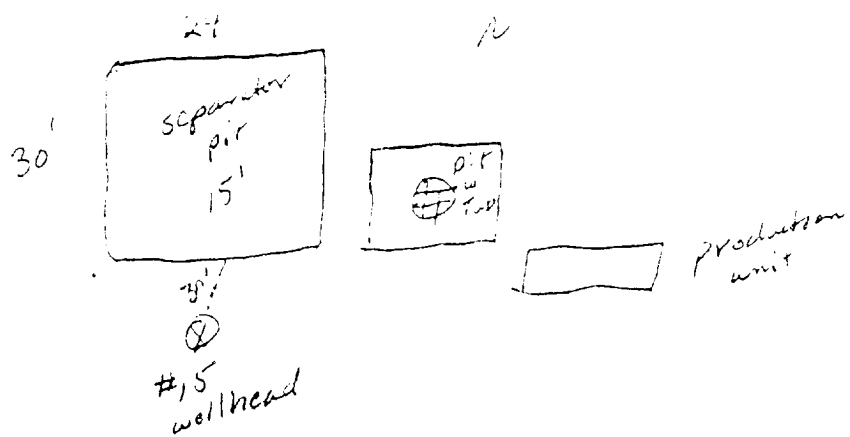
References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: Jicarilla.


Analyst


Review

115



5

NOTES REMARKS

Jicarilla #15

15' x 15' x 3'

5' - 404 ppm

10' - 242 ppm

9:45 A.M.

N - 38

S - ~~16~~

E - 64

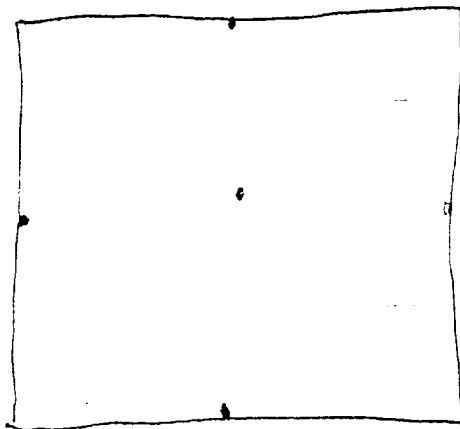
W - 8

B - 15

N

~~24'~~

W



30' E

S

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

SUBMIT 1 COPY TO
NATURAL RESOURCE DEPT
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. 87499
Facility or Well Name: Jicarilla Apache #15
Location: Unit or Qtr/Qtr Sec G Sec 33 T 26N R 5W County Rio Arriba
Land Type: Jicarilla Apache

Date Remediation Started: 9-27-96 Date Completed: 31 OCT 97
Remediation Method: Landfarmed ☒ Approx. cubic yards 400
Composted ☐
Other ☐

		Final Closure Sampling:	
Depth To Groundwater:	(pts.) <u>0</u>	Sampling Date: <u>9-24-97</u>	Time: _____
Distance to an Ephemeral Stream	(pts.) <u>10</u>	Sample Results:	
Distance to Nearest Lake, Playa, or Watering Pond	(pts.) <u>0</u>	Field Headspace (ppm) <u>0</u>	
Wellhead Protection Area:	(pts.) <u>0</u>	TPH (ppm) <u>1.4</u>	Method <u>8015 Mod</u>
Distance To Surface Water:	(pts.) <u>0</u>	Other _____	
RANKING SCORE (TOTAL POINTS): <u>10</u>			

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

DATE 10-14-97 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: Ken C. Ma DATE: 10-15-97

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

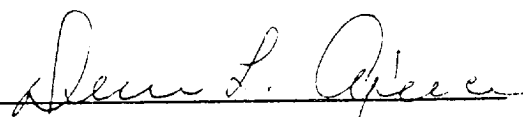
Client:	Marathon Oil Co.	Project #:	95047
Sample ID:	Jicarilla 15	Date Reported:	09-26-97
Laboratory Number:	C157	Date Sampled:	09-24-97
Chain of Custody No:	5464	Date Received:	09-25-97
Sample Matrix:	Soil	Date Extracted:	09-25-97
Preservative:	Cool	Date Analyzed:	09-25-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

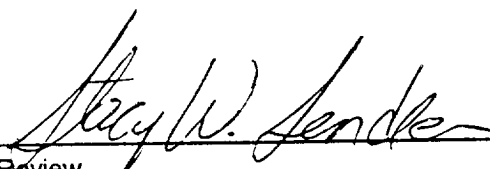
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	1.4	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	1.4	0.2

ND - Parameter not detected at the stated detection limit.

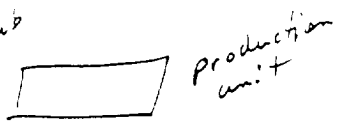
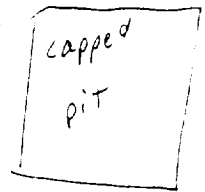
References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: **Jicarilla.**


Analyst

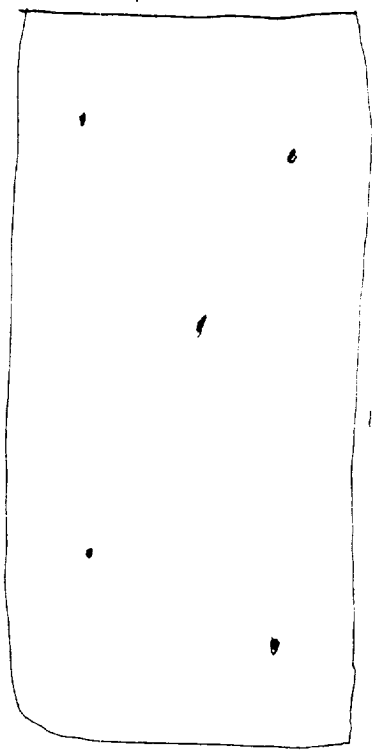

Review

N



 #15 wellhead

75'



150'



SUBJECT COPY :
NATURAL RESOURCE DE:
AND OIL & GAS ADMINISTRATION

Operator: Marathon Oil Co. Telephone: 505-326-2783
Address: P.O. Box 1439 Farmington, N.M. 87499
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Land Type: Jicarilla Apache

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(Attach diagram)
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Footage from reference: 30'
Direction from reference _____ Degrees _____ of _____ East North X
West South _____

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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) 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)	<u>0</u>

RANKING SCORE (TOTAL POINTS): 10