

DEPUTY OIL & GAS INSPECTOR

FEB 1 1959

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

SUBMIT COPY TO
NATURAL RESOURCE DEPT.
OIL & GAS ADMINISTRATION

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 #14E

Location: Unit or Qtr/Qtr Sec F Sec 34 T26N R5W County Rio Arriba

Pit Type: Separator X Dehydrator Other

Land Type: Ticarilla Apache

Pit Location: Pit dimensions length 25' width 15', depth 10'
(Attach diagram)

Reference: wellhead ☒ other: _____

Footage from reference: _____

Direction from reference _____ Degrees _____ of East North _____
 _____ 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 (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:	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)
irrigation canals and ditches)		<u>0</u>

RANKING SCORE (TOTAL POINTS): 10

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

Remediation Method: Excavation ☒ 140

Groundwater Sampling: Excavated ☒

Other: _____

Remediation Treatment: Onsite ☒

Offsite treatment (name and location of off-site facility): _____

General Description of Remedial Action: Spread soil on location for natural bioremediation

Groundwater Encountered: No ☒ Yes ☐ Depth: _____

Final Pit: Sample location each sidewalk and bottom

Closure Sampling: _____

(if multiple samples attach sample results and diagram of sample locations and depths)

Sample date 9-27-96 Sample time 3:00 p.m.

Sample Results:

Soil Benzene (ppm) _____ Volatile Benzene (ppb) _____

Total BTX (ppm) _____ Toluene (ppb) _____

Field Headspace (ppm) 38 Ethyl Benzene (ppb) _____

Chlorides (ppm) .7 Total Xylenes (ppb) _____

Groundwater Samples: 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 10-7-96 PRINTED NAME Garry W. Donaghey

SIGNATURE Garry W. Donaghey 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: Habit J. [Signature] DATE: 10/16/96

ENVIROTECH LABS

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Marathon Oil Company	Project #:	95047
Sample ID:	Jicarilla #14E S.P.	Date Reported:	10-01-96
Laboratory Number:	A613	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

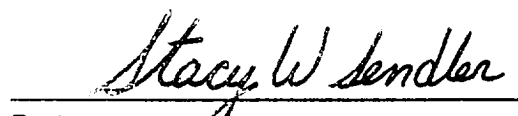
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	0.7	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	0.7	0.2

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

NOTES REMARQUES / NOTAS

9-27-96

Jicovilla #14E

3:00 p.m.

5' - 407

N 6
S 38.2
E .9
W .9
B - 12

N

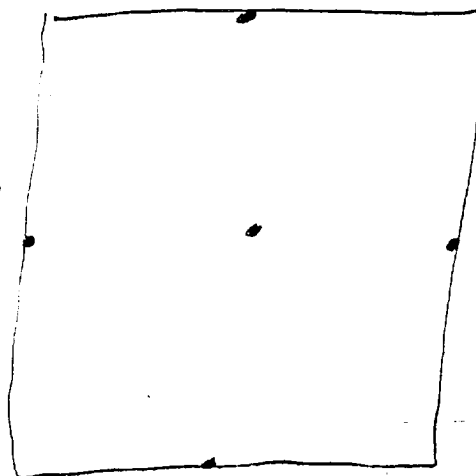
15'

W

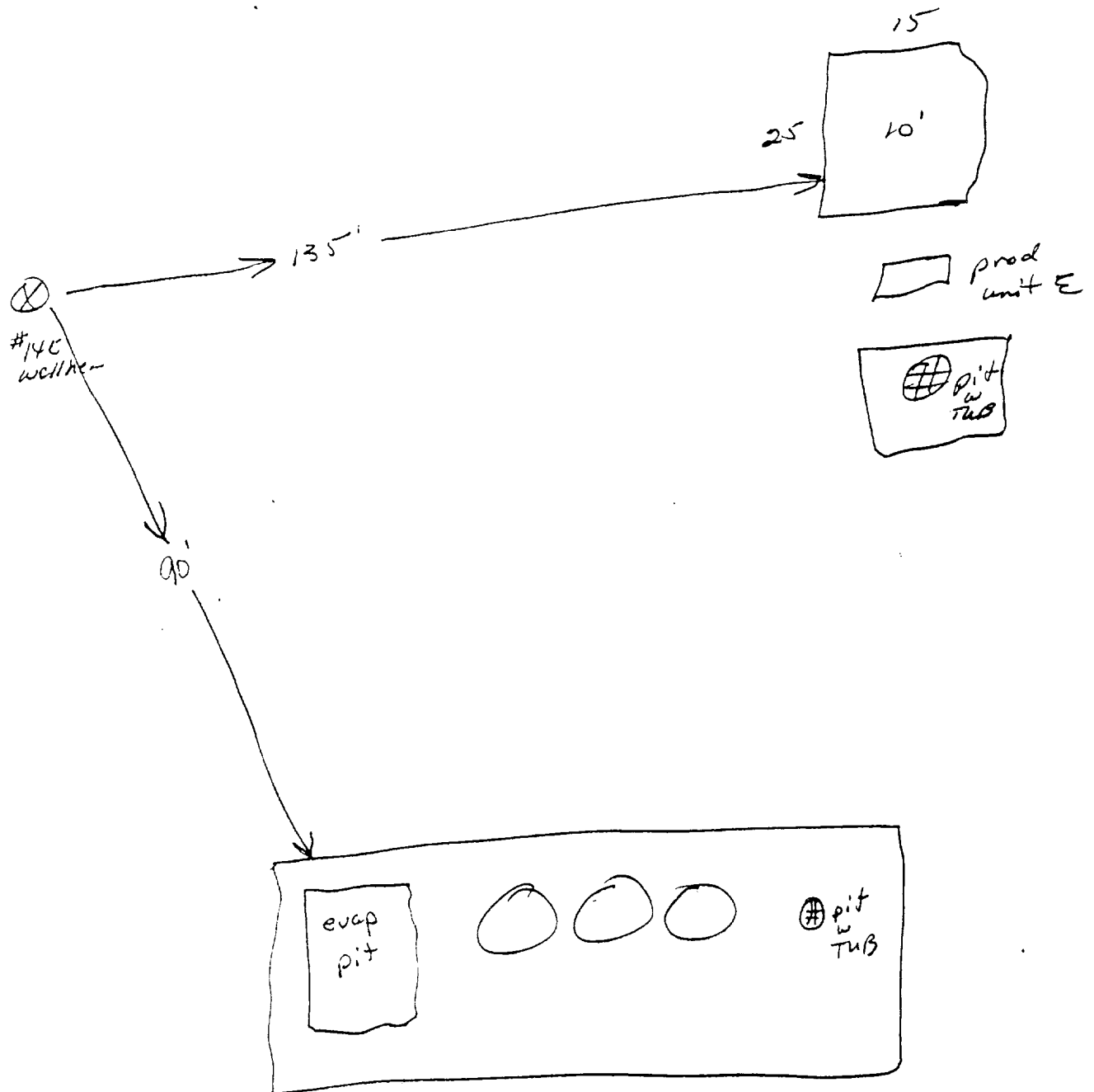
25'

E

S



N



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 14E
Location: Unit or Qtr/Qtr Sec F Sec 34 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 140
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>3.8</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: Kurt C. M... .. DATE: 10-15-97

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

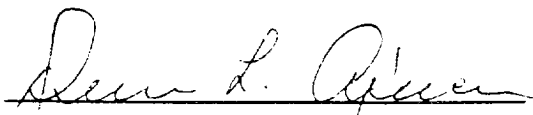
Client:	Marathon Oil Co.	Project #:	95047
Sample ID:	Jicarilla 14E	Date Reported:	09-26-97
Laboratory Number:	C156	Date Sampled:	09-24-97
Chain of Custody No:	5464	Date Received:	09-25-97
Sample Matrix:	Soil	Date Extracted:	09-25-97
Preservative:	Cool	Date Analyzed:	09-25-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

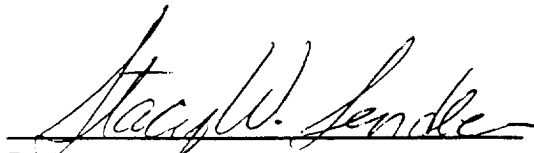
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	3.8	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	3.8	0.2

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.

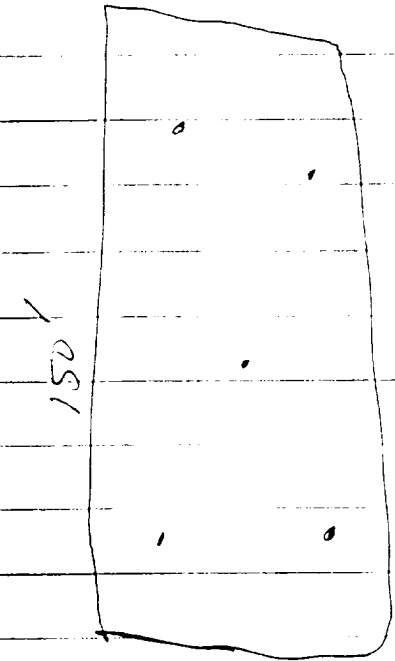
Comments: Jicarilla.


Analyst

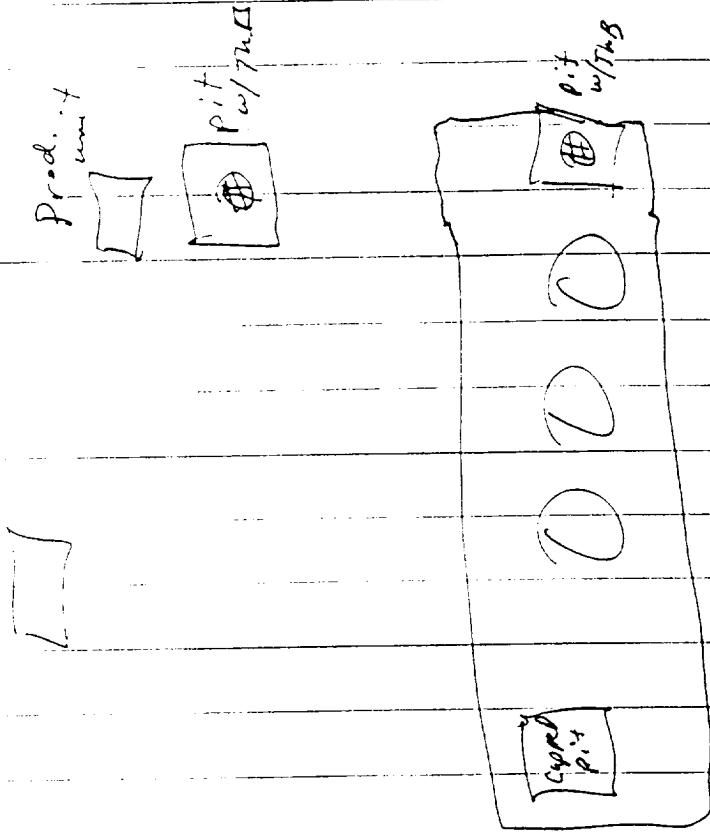

Review

200 81 7 20 2 1

14 E



the TERE HOUSE



NE	0
NW	0
E	0
SE	0
SW	0