

District I
District II
District III
DISTRICT III
MAR 12 1997

State of New Mexico
Energy, Minerals and Natural Resources Department
OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE
(Revised 3/9/94)

PIT REMEDIATION AND CLOSURE REPORT

Approved

Operator: <u>Marathon Oil Co.</u>		Telephone: <u>505-326-2783</u>
Address: <u>P.O. Box 1439 Farmington, N.M. 87499</u>		
Facility or: <u>Jicarilla Apache well #2</u>		
Well Name		
Location: Unit or quarter sec <u>P</u> sec <u>33</u> T <u>26N</u> R <u>5W</u> County <u>Rio Arriba</u>		
Pit Type: Separator <u> </u> Dehydrator <u> </u> other <u>wellhead blowdown pit</u>		
Land Type: BLM <u> </u> , State <u> </u> , Fee <u> </u> , other <u>Jicarilla Apache</u>		
Pit Location: Pit dimensions: length <u>30'</u> , width <u>25'</u> , depth <u>23'</u> (Attach diagram) Reference: wellhead ☒ , other <u> </u>		
Footage from reference: <u>15'</u>		
Direction from reference: <u> </u> Degrees <u> </u> East North <u>X</u> of <u> </u> West South <u> </u>		
Depth To Ground Water: (Vertical distance from contaminants to seasonal high water elevation of ground water)		Less than 50 feet (20 points) 50 feet to 99 feet (10 points) 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) <u>0</u>
Distance To Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)		Less than 200 feet (20 points) 200 feet to 1000 feet (10 points) Greater than 1000 feet (0 points) <u>0</u>
RANKING SCORE (TOTAL POINTS): <u>0</u>		

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(505) 966-1094

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DIVISION

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

Remediation Method: Excavation ☒ Approx. cubic yards 700
(Check all appropriate sections) Landfarmed ☒ Insitu Bioremediation ☐
Other _____

Remediation Location: Onsite ☒ Offsite _____
(ie. landfarmed onsite, name and location of offsite facility)

General Description of Remedial Action: Thin spread on location
6" thick for natural bio remediation.

Ground Water Encountered: No ☒ Yes ☐ Depth _____

Final Pit:
Closure Sampling:
(if multiple samples, attach sample results and diagram of sample locations and depths)

Sample location each sidewall + bottom

Sample depth 23'

Sample date 8-31-96 Sample time 12:00 p.m.

Sample Results

Benzene (ppm) _____

Total BTEX (ppm) _____

Field headspace (ppm) 35

TPH 18.1

Ground Water Sample: 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 10-22-96

SIGNATURE Gary W. Donaghey

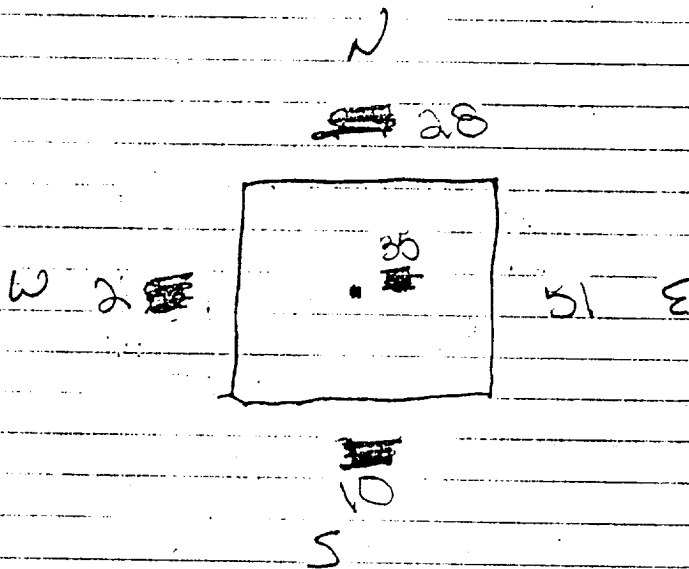
PRINTED NAME
AND TITLE

Gary W. Donaghey
Production Supervisor

NOTES/REMARQUES/NOTAS

Jicarilla #2

5' sample 235 ppm
 10' 348 ppm
 15' 278 ppm
 20' 125 ppm
 15' x 15' x 2'
 30' x 25' x 23'



EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

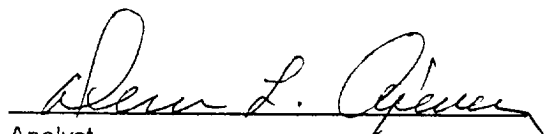
Client:	Marathon Oil Co..	Project #:	95047
Sample ID:	Jicarilla #2	Date Reported:	09-03-96
Laboratory Number:	A524	Date Sampled:	08-31-96
Chain of Custody No:	4865	Date Received:	09-03-96
Sample Matrix:	Soil	Date Extracted:	09-03-96
Preservative:	Cool	Date Analyzed:	09-03-96
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	2.1	0.2
Diesel Range (C10 - C28)	16.0	0.1
Total Petroleum Hydrocarbons	18.1	0.2

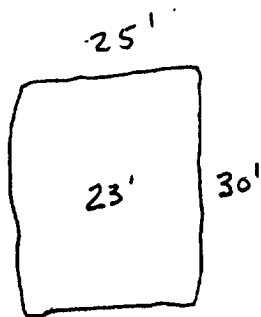
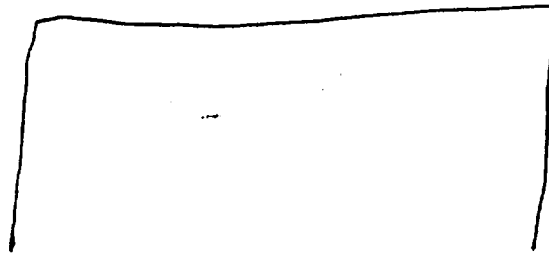
ND - Parameter not detected at the stated detection limit.

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

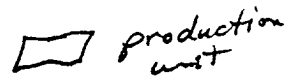
Comments: Jicarilla Apache, Jicarilla #2, Sample #6.


Analyst

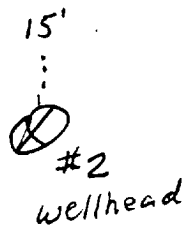

Review



Pit
with
Tub

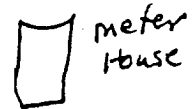


production
unit



#2

wellhead



meter
base



LAND FARM

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 #2
Location: Unit or Qtr/Qtr Sec P Sec 33 T26N R5W County Rio Arriba
Land Type: Jicarilla Apache

Date Remediation Started: 8-30-96 Date Completed: _____
Remediation Method: Landfarmed X Approx. cubic yards 700
Composted _____
Other _____

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DIST. 3

Depth To Groundwater: (pts.) 0
Distance to an Ephemeral Stream (pts.) 10
Distance to Nearest Lake, Playa, or Watering Pond (pts.) 0
Wellhead Protection Area: (pts.) 0
Distance To Surface Water: (pts.) 0

Final Closure Sampling:

Sampling Date: 10-9-96 Time: 12:45 pm
Sample Results:
Field Headspace (ppm) 36
TPH (ppm) 7.7 Method 8015 MOD
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.

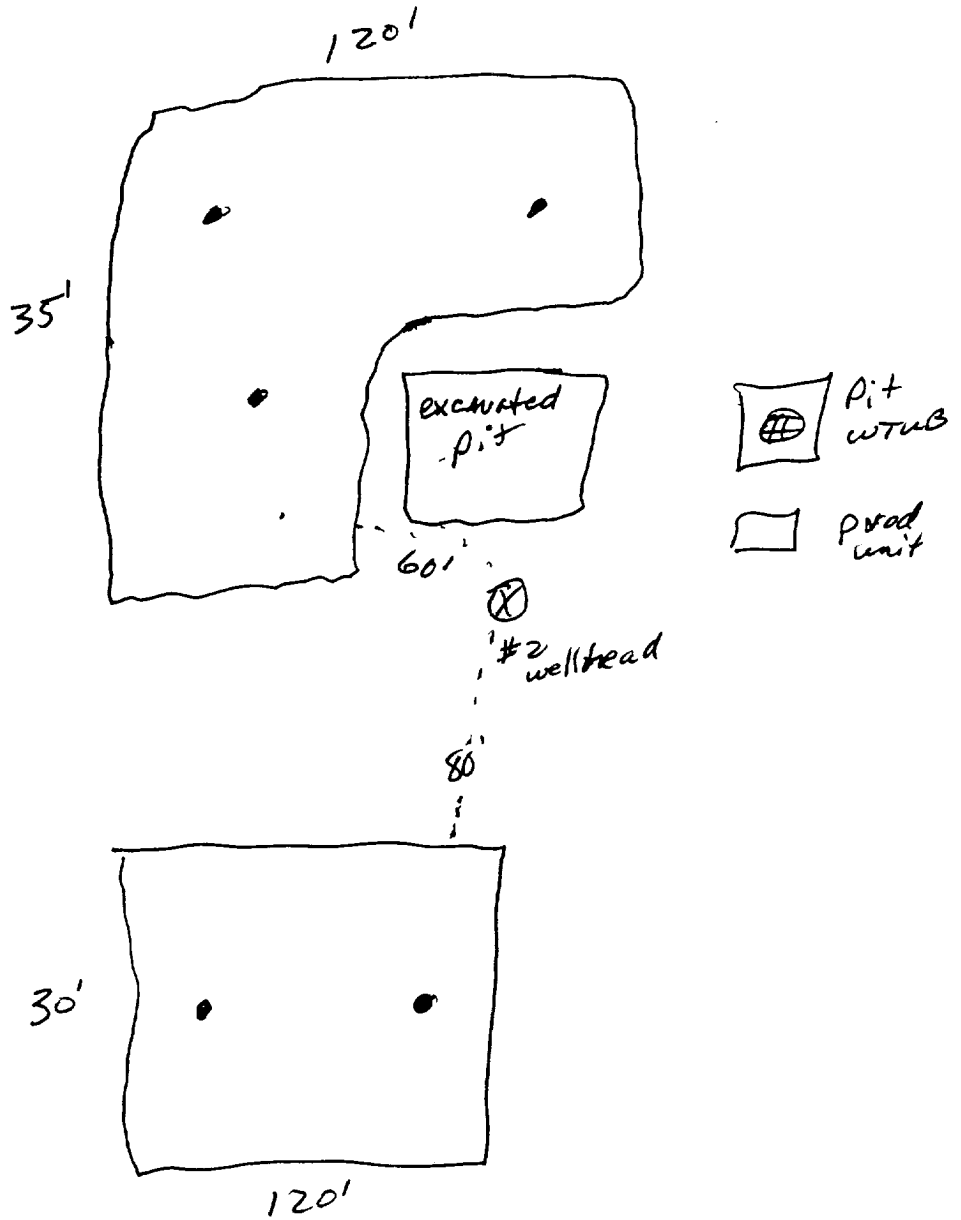
APPROVED: YES ✓ NO _____ (REASON) _____

SIGNED: Gabriel DATE: 10/16/96

12:45

N

NW 36-12"
NE 5-2"
C 7.5-6"
SW 17.1-10"
SE 11.2-8"
composite 9.1



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EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	Marathon Oil	Project #:	95047
Sample ID:	#2 Landfarm	Date Reported:	10-11-96
Laboratory Number:	A657	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

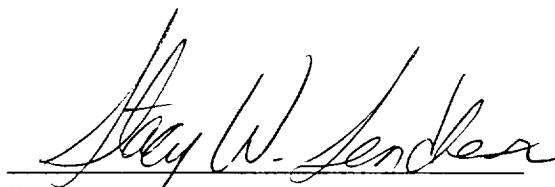
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	0.6	0.2
Diesel Range (C10 - C28)	7.1	0.1
Total Petroleum Hydrocarbons	7.7	0.2

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