

Denny L. Frost
DEPUTY OIL & GAS INSPECTOR

FEB 11 1999

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

RECEIVED
DEC 14 1998
OIL CON. DIV.
DIST. 3

SUBMIT COPY TO
FEDERAL RESOURCE DEPT
OIL & GAS ADMINISTRATION

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 #8
Location: Unit or Qtr: Qtr Sec P Sec 27 T 26N R 5W County Pio Arriba
Pit Type: Separator Dehydrator Other produced water evaporation pit
Land Type: Jicarilla Apache

Pit Location: Pit dimensions length 21, width 24, depth 4'
(Attach diagram)
Reference: wellhead ☒, other _____
Footage from reference 240'
Direction from reference _____ Degrees _____ East North _____
_____ West South East

Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation of 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: 7-18-97 Date Completed: 10-31-97

Remediation Method: Excavation ☒ Approx. cubic yards
(Check all appropriate sections) Landfilled In situ Bioremediation

Other

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

General Description of Remedial Action: No Remedial Action required

Groundwater Encountered: No ☒ Yes Depth

Final Pit: Sample location center of pit
Closure Sampling:
(if multiple samples, attach sample results and diagram of sample locations and depths) Sample depth: 4'
Sample date 7-18-97 Sample time 1020

Sample Results
Soil Benzene (ppm) Water Benzene (ppb)
Total BTEX (ppm) Toluene (ppb)
Field Head space (ppm) 3.5 Ethylbenzene (ppb)
TPH (ppm) 29.1 Total Nylones (ppb)

Groundwater 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 7-29-97 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) Spill + closed
SIGNED: Kate C. M... DATE: 7-30-97

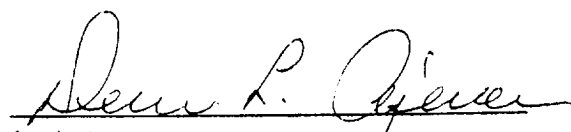
Client:	Marathon Oil	Project #:	95047
Sample ID:	Jicarilla #8 E.P.	Date Reported:	07-22-97
Laboratory Number:	B681	Date Sampled:	07-18-97
Chain of Custody No:	5316	Date Received:	07-18-97
Sample Matrix:	Soil	Date Extracted:	07-21-97
Preservative:	Cool	Date Analyzed:	07-21-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

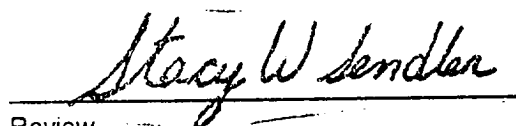
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	29.1	0.1
Total Petroleum Hydrocarbons	29.1	0.2

ND - Parameter not detected at the stated detection limit.

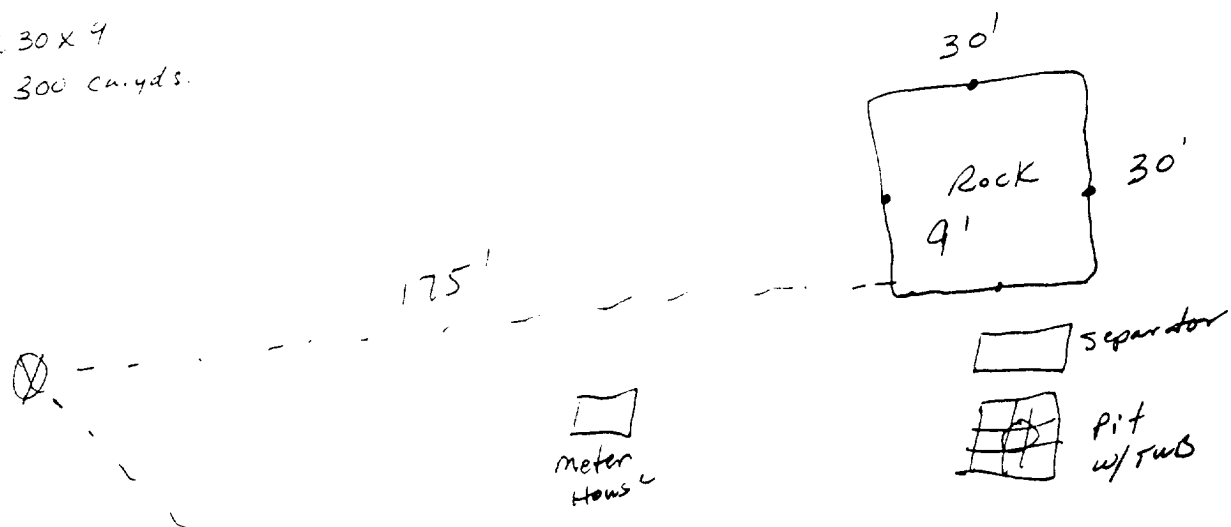
References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: Jicarilla Pits. Grab.

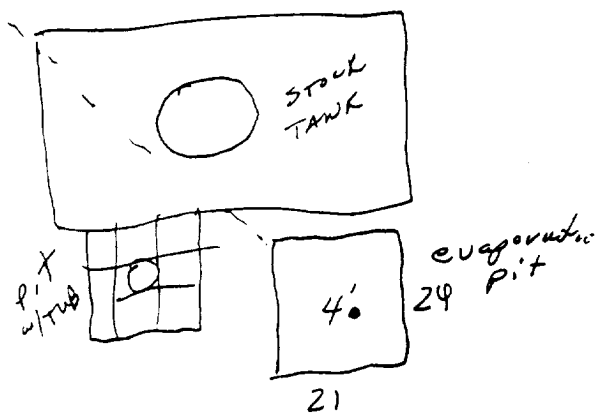

Analyst


Review

well
 Sep. pit 30x30x4
 S' - 238 300 cu. yds.
 N - 74
 E - 80
 W - 30
 S - 10
 Bottom - Rock



240'



EVAP. pit
 3.5 ppm

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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 #8
Location: Unit or Qtr/Qtr Sec P Sec 27 T 26N R 5W County Rio Arriba
Land Type: Jicarilla Apache

Date Remediation Started: 7-18-97 Date Completed: 31 OCT 97
Remediation Method: Landfarmed ☒ Approx. cubic yards 300
Composted ☐
Other ☐

		Final Closure Sampling:	
Depth To Groundwater:	(pts.) <u>0</u>	Sampling Date: <u>9-24-97</u>	Time: <u></u>
Distance to an Ephemeral Stream	(pts.) <u>0</u>	Sample Results:	
Distance to Nearest Lake, Playa, or Watering Pond	(pts.) <u>0</u>	Field Headspace (ppm) <u>18</u>	
Wellhead Protection Area:	(pts.) <u>0</u>	TPH (ppm) <u>1624</u>	Method <u></u>
Distance To Surface Water:	(pts.) <u>0</u>	Other <u></u>	

RANKING SCORE (TOTAL POINTS):

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

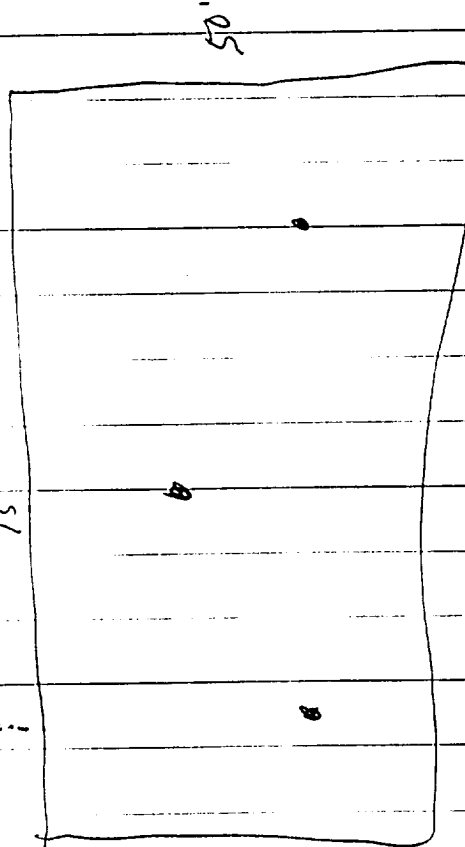
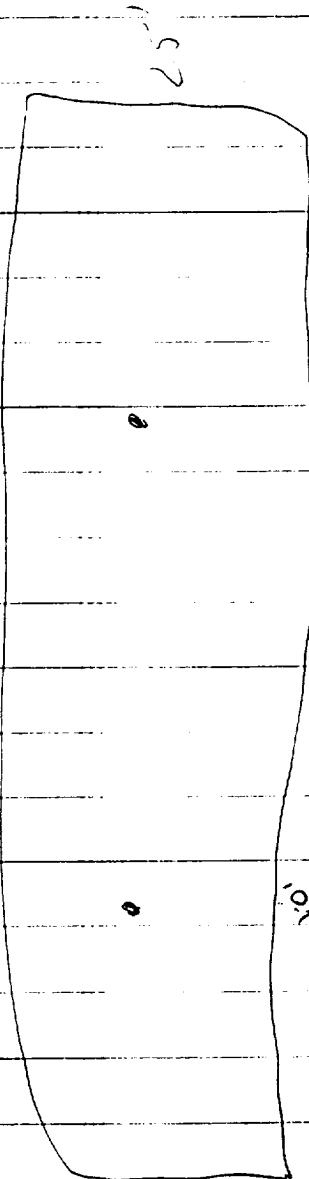
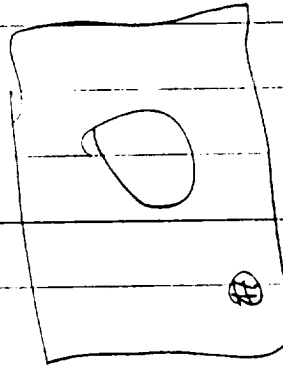
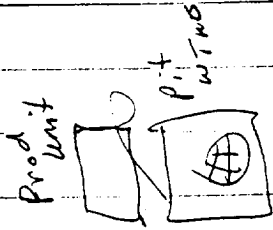
DATE 10-14-97 PRINTED NAME Gary W. Donaghey
SIGNATURE Gary W. Donaghey AND TITLE Production Supervisor

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: Kenn C. Mamm DATE: 10-15-97

#8



NE - 6"	1
NW - 2"	1
C - 8"	25
SE - 5"	1
SW - 3"	8
Composite	18

**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

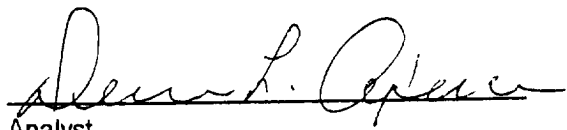
Client:	Marathon Oil Co.	Project #:	95047
Sample ID:	Jicarilla 8	Date Reported:	09-26-97
Laboratory Number:	C161	Date Sampled:	09-24-97
Chain of Custody No:	5464	Date Received:	09-25-97
Sample Matrix:	Soil	Date Extracted:	09-25-97
Preservative:	Cool	Date Analyzed:	09-26-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

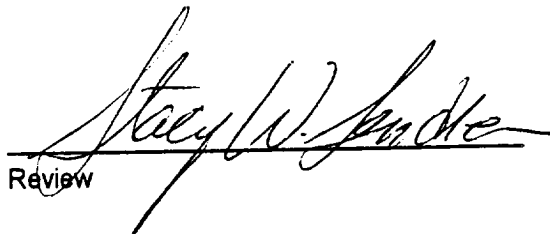
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	3.9	0.2
Diesel Range (C10 - C28)	1,620	0.1
Total Petroleum Hydrocarbons	1,624	0.2

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