

#17

NE 0

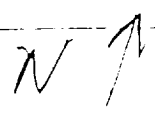
NW 0

C .2

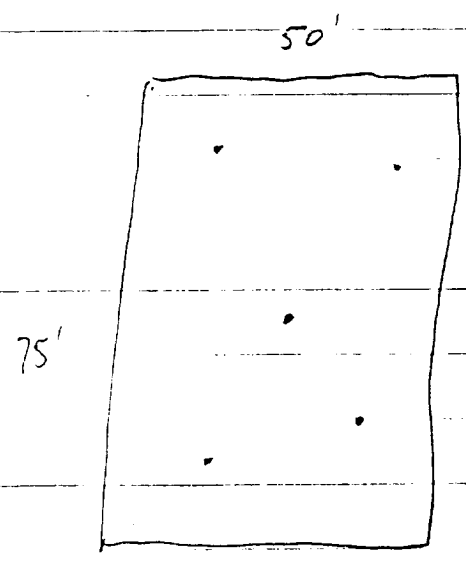
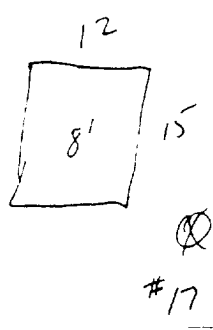
SE 0

SW 0

Composite 0



METER
House



EL PASO
meter

Benny L. Frost
DEPUTY OIL & GAS INSPECTOR

JICARILLA APACHE TRIBE
FEB 11 1993 ENVIRONMENTAL PROTECTION OFFICE
P.O. BOX 507
DULCE, NEW MEXICO 87528

Approved

PIT REMEDIATION AND CLOSURE REPORT

RECEIVED
DEC 14 1992
NEW MEXICO DEPT
OF ENVIRONMENT

STANDARD COPY TO
ALBUQUERQUE DEPT
OF ENVIRONMENT

Operator: Marathon Oil Company Telephone: 505-326-2783

Address: P.O. Box 432, Dulce, NM 87528

Facility or Well Name: Jicarilla Apache #17

Location: Unit or Qtr Qtr Sec H Sec 34 T26N SW County McKinley

Pit Type: Separator ☐ Dehydrator ☐ Other Wellhead blowdown pit

Land Type: Jicarilla Apache

Pit Location: 15' 12' 8'

Access: road

Distance from nearest 30

Direction from nearest West

Depth To Groundwater:
(Vertical distance from
center of well to
high water level of
groundwater)
Less than 5 feet (20 points)
5 feet to 10 feet (10 points)
Greater than 10 feet (0 points) 0

Distance to an Epheermal Stream:
(Horizontal distance from center of well
to nearest stream)
Less than 10 feet (10 points)
Greater than 10 feet (0 points) 10

Distance to Nearest Lake, Playa, or Watering Point:
(Horizontal distance from center of well
to nearest lake, playa, or watering point)
Less than 10 feet (10 points)
Greater than 10 feet (0 points) 0

Wellhead Protection Area:
(The 100-foot radius area around
the wellhead or other water source
100 feet from all other water sources)
Yes (20 points) 0
No (0 points)

Distance To Surface Water:
(Horizontal distance from center of well
to nearest lake, pond, river, stream, creek,
irrigation canal, or ditch)
Less than 10 feet (20 points)
10 feet to 100 feet (10 points)
Greater than 100 feet (0 points) 0

RANKING SCORE (TOTAL POINTS): 10

Date Remedial Work Started: 7-18-97 Date Completed: 10-31-97
Remediation Method: X Excavation and Backfill 53
Remediation Material: X Gravel

Remediation Location: Circle X Other
Name and Location of Contaminant:
General Description of Remedial Action: spread 6" thick on location
for natural bioremediation

Groundwater Encountered: No X Yes Depth

Final Pit: Excavation each sidewalk
Closure Sampling:
Number of Samples:
Sampling Date: 7-18-97 1430
Sample Results:

No. Benzene	ppm	Water Benzene	ppb
Total LTHL	ppm	Chloride	ppb
High Mass Index	ppm	Ethylbenzene	ppb
TOL	ppm	Total Nylones	ppb

Groundwater Sample: No X Yes (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 X NO REASON spread + close
SIGNED: KAC 7/30/97 DATE: 7-30-97

ENVIROTECH LABS

ANALYTICAL SOLUTIONS FOR BETTER ENVIRONMENT

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client	Marathon Oil	Project #:	95047
Sample ID	Jicarilla #17 Wells	Date Reported	07-22-97
Laboratory Number	9685	Date Sampled:	07-18-97
Chain of Custody	5316	Date Received:	07-18-97
Sample Matrix:	Soil	Date Analyzed:	07-21-97
Preservative	Cool	Date Extracted:	07-21-97
Condition	Cool & intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	8.8
Toluene	19.3	8.4
Ethylbenzene	64.8	7.6
p,m-Xylene	97.1	10.8
o-Xylene	71.6	5.2
Total BTEX	253	253 ppm

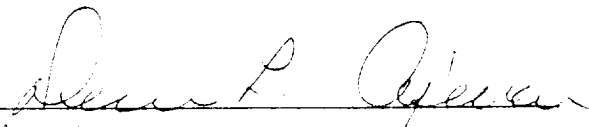
ND - Parameter not detected at the stated detection limit.

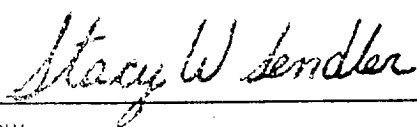
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	96 %
	Bromofluorobenzene	96 %

References: Method 5030. Purge-and-Trap. Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8020. Aromatic Volatile Organics. Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1994.

Comments: Jicarilla Pits. 4 - PNT COMP.


Analyst


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ENVIROTECH LABS

~~PRAGMATIC SOLUTIONS FOR HEAVY METALS~~

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client: Marathon Oil
Sample ID: Jicarilla #17 Wails
Laboratory Number: B685
Chain of Custody No: 5316
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

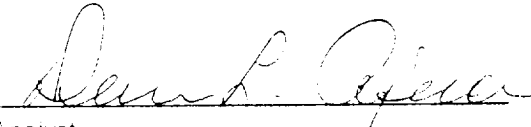
Project #: 95047
Date Reported: 07-22-97
Date Sampled: 07-18-97
Date Received: 07-18-97
Date Extracted: 07-21-97
Date Analyzed: 07-21-97
Analysis Requested: 8015 TPH

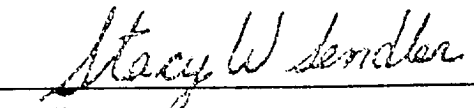
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	0.3	0.2
Diesel Range (C10 - C28)	0.7	0.1
Total Petroleum Hydrocarbons	1.0	0.2

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 Pits. 4 Pnt. Comp.


Analyst


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10000 - 10000 - 10000 - 10000

5 - 56, 2000

10 - 10

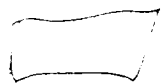
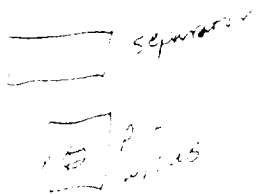
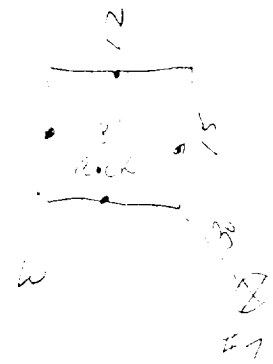
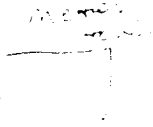
5 - 20

5 - 23

5 - 2000

Composite - 11

5 x 2 x 8



El Paso
meter
reus

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

SUBMIT 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 #17
Location: Unit or Qtr/Qtr Sec H Sec 34 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 53
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>96.5</u> Method _____
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: Kate C. Ma DATE: 10-15-97

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

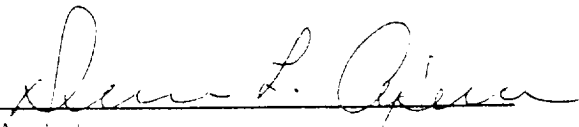
Client:	Marathon Oil Co.	Project #:	95047
Sample ID:	Jicarilla 17	Date Reported:	09-26-97
Laboratory Number:	C162	Date Sampled:	09-24-97
Chain of Custody No:	5464	Date Received:	09-25-97
Sample Matrix:	Soil	Date Extracted:	09-25-97
Preservative:	Cool	Date Analyzed:	09-26-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

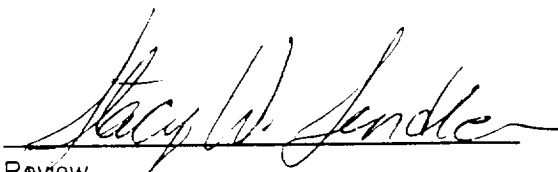
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	4.3	0.2
Diesel Range (C10 - C28)	92.2	0.1
Total Petroleum Hydrocarbons	96.5	0.2

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