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OIL CONTROL DIV.
DIST. 3

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

OK
H. J. Foust
DEPUTY OIL & GAS INSPECTOR
NATURAL RESOURCES DEPT.
FEB 1 1990
OIL & GAS ADMINISTRATION

PIT REMEDIATION AND CLOSURE REPORT

Approved

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

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

Facility or Well Name: Jicarilla Apache #12E

Location: Unit or Qtr/Qtr Sec J Sec 33 T26N R5W County Rio Arriba

Pit Type: Separator ☒ Dehydrator ☐ Other ☐

Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 30', width 30', depth 8'
(Attach diagram) Reference wellhead ☒ other ☐

Footage from reference 135'

Direction from reference _____ Degrees _____ East North 1
or
_____ West South X

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

Remediation Method: Excavation 8-31-96 Completed: 10-20-96
(Check all appropriate sections) Landfilled X 275 c.y.
Insitu Bioremediation _____

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

General Description of Remedial Action: Spread on location for natural bio remediation

Groundwater Encountered: No ✓ Yes _____ Depth _____

Final Pit: Sample location each sidewall + bottom
Closure Sampling: _____

attach sample results and diagram of sample locations and depths: Sample depth: 8'
Sample date 8-31-96 Sample time 9:00 A.M.

Sample Results:
Soil Benzene (ppm) _____ Water Benzene (ppb) _____
Total BTEN (ppm) _____ Toluene (ppb) _____
Field Head-space (ppm) see attached Ethylbenzene (ppb) _____
_____ (ppm) 16.2 Total Nylenes (ppb) _____

Groundwater Sample: Yes _____ No ✓ attach sample results

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

DATE 9-4-96 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 X NO _____ (REASON) _____
SIGNED: Kenn C. Mena DATE: 9-4-96

ENVIROTECH LABS**PRACTICAL SOLUTIONS FOR A BETTER TOMORROW****EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

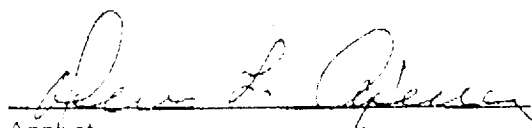
Client:	Marathon Oil Co..	Project #:	95047
Sample ID:	Jicarilla #12E	Date Reported:	09-03-96
Laboratory Number:	A523	Date Sampled:	08-31-96
Chain of Custody No:	4865	Date Received:	09-03-96
Sample Matrix:	Soil	Date Extracted:	09-03-96
Preservative:	Cool	Date Analyzed:	09-03-96
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	2.8	0.2
Diesel Range (C10 - C28)	13.4	0.1
Total Petroleum Hydrocarbons	16.2	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 #12E, Sample #5.


 Analyst

 Review

NOTES/REMARQUES/NOTAS

Jicarilla #12 E

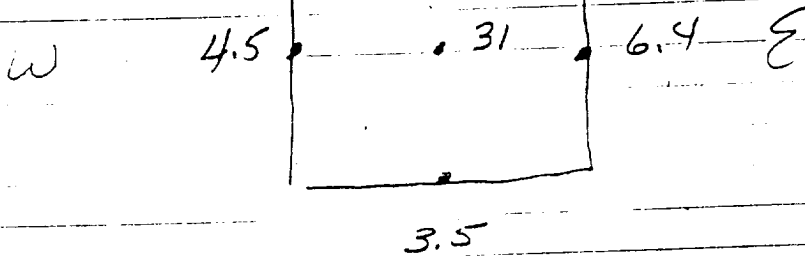
Dim. 20'x20'

S' - 235 ppm 12:3

8'x30'x30'

N

2.4



S

LAND
FACIL

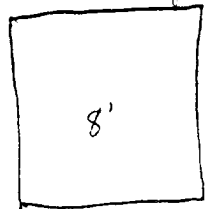
N

⊗ #12 E
wellhead

135'

Production
unit

Pit
with
TUB



30'

8'

30'

E

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DULCE, NEW MEXICO 87528

SUBMIT TO COPY
NATURAL RESOURCES
AND GAS ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

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

Address: P.O. Box 1439 Farmington NM 87499

Facility or Well Name: Jicarilla Apache #12E

Location: Unit or Qtr/Qtr Sec I Sec 33 T26N R5W County Rio Arriba

Land Type: Jicarilla Apache

Date Remediation Started: 8-31-96 Date Completed: 10-31-96

Remediation Method: Landfirmed ☒

Approx. cubic yards 275

Composted ☐

Other ☐

Depth To Groundwater: 0

Distance to an Ephemeral Stream: 10

Distance to Nearest Lake, Playa, or Watering Pond: 0

Wellhead Protection Area: 0

Distance To Surface Water: 0

Final Closure Sampling:

Sampling Date: 10-9-96 Time: 12:15 pm

Sample Results

Field Headspace (ppm) 32

TPH (ppm) 138 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 10-9-96 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: Harold J. L. DATE: 10/16/96

ENVIROTECH LABS

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

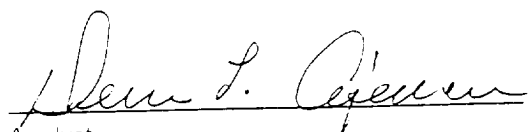
Client:	Marathon Oil	Project #:	95047
Sample ID:	#12E Landfarm	Date Reported:	10-11-96
Laboratory Number:	A656	Date Sampled:	10-09-96
Chain of Custody No:	4949	Date Received:	10-09-96
Sample Matrix:	Soil	Date Extracted:	10-10-96
Preservative:	Cool	Date Analyzed:	10-10-96
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

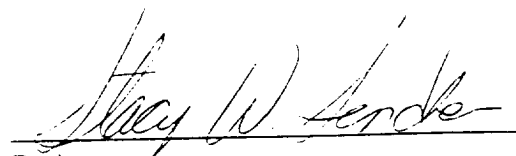
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	2.0	0.2
Diesel Range (C10 - C28)	136	0.1
Total Petroleum Hydrocarbons	138	0.2

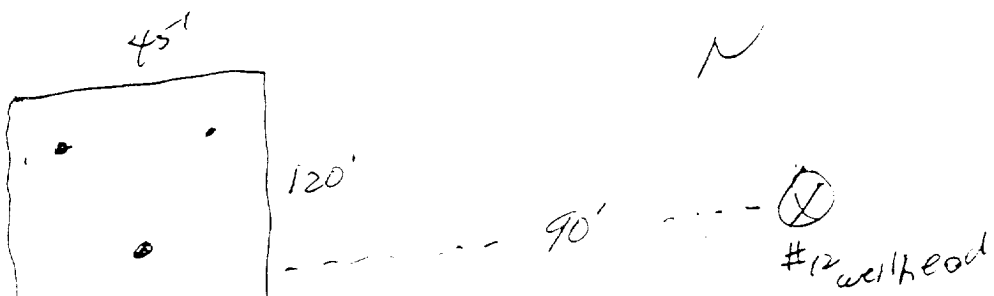
ND - Parameter not detected at the stated detection limit.

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

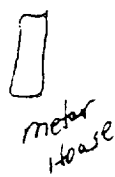
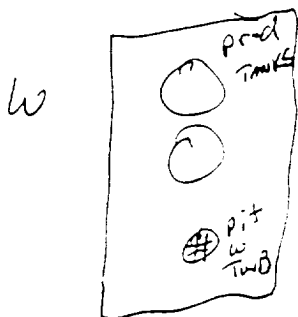
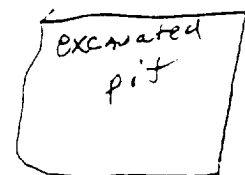
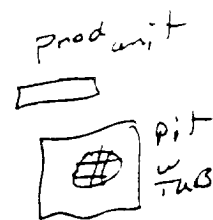
Comments: Jicarilla.


Analyst


Review



NW 46 - 8"
 NE 32 6"
 C 25 4"
 SW 21 4"
 SE 5 surface
 composite 32



E

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