

Denny E. Faust
DEPUTY OIL & GAS INSPECTOR

MAR 12 1997

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 #14</u>						
Well Name							
Location: Unit or Quarter Sec	<u>M</u>	Sec	<u>34 T26N R5W</u> County <u>Rio Arriba</u>				
Pit Type: Separator	☐	Dehydrator	☐	Other	<u>Produced water evaporation</u>		
Land Type: BLM	☐	State	☐	Fee	☐	Other	<u>Jicarilla Apache</u>
Pit Location: (Attach diagram)	Pit dimensions: Length <u>40'</u> , width <u>20'</u> , depth <u>4'</u>						
	Reference: wellhead ☒ , other _____						
	Footage from reference: <u>175'</u>						
	Direction from reference: _____ Degrees _____ East North _____ _____ West South <u>X</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>

Date Remediation Started: 8-31-96 Date Completed: 10-20-96

Remediation Method: Excavation ☒ Approx. cubic yards 0
(Check all appropriate sections) Landfarmed ☐ Insitu Bioremediation ☐
Other ☐

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

General Description of Remedial Action: No remedial action required

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 middle of pit

Sample depth 4'
Sample date 8-31-96 Sample time 12:30 p.m.

Sample Results

Benzene(ppm) ☐

Total BTEX(ppm) ☐

Field headspace(ppm) 3.5

TPH 1.0

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 Gary W. Donaghey
AND TITLE Production Supervisor

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

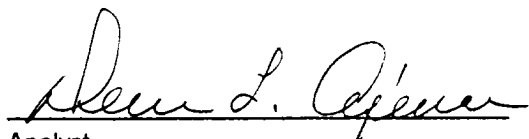
Client:	Marathon Oil Co..	Project #:	95047
Sample ID:	Jicarilla #14	Date Reported:	09-04-96
Laboratory Number:	A525	Date Sampled:	08-31-96
Chain of Custody No:	4865	Date Received:	09-03-96
Sample Matrix:	Soil	Date Extracted:	09-03-96
Preservative:	Cool	Date Analyzed:	09-03-96
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

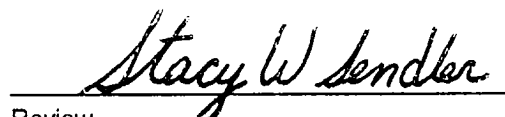
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	1.0	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	1.0	0.2

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 Apache, Jicarilla #14, Sample #7 Evap. Pit.


Analyst


Review

SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

(Revised 1/9/94)

PIT REMEDIATION AND CLOSURE REPORT

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

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

Facility or: Jicarilla Apache well #14
Well Name _____

Location: Unit or Qtr/Qtr Sec M sec 34 T26N R 5W County Rio Arriba

Pit Type: Separator _____ Dehydrator _____ Other well head blowdown pit

Land Type: BLM _____, State _____, Fee _____, other Jicarilla Apache

Pit Location: Pit dimensions: length 15', width 15', depth 4'
(Attach diagram) Reference: wellhead X, other _____
Footage from reference: 40'
Direction from reference: _____ Degrees _____ East North X
_____ of
_____ West South _____

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) 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 200 feet (20 points)
200 feet to 1000 feet (10 points)
Greater than 1000 feet (0 points) 0

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: 8-31-96 Date Completed: 10-20-96

Remediation Method: Excavation ☒ Approx. cubic yards 0
(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: No remedial action required

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 middle of pit

Sample depth 4'

Sample date 8-31-96 Sample time 12:45 pm

Sample Results

Benzene(ppm) ☐

Total BTEX(ppm) ☐

Field headspace(ppm) 5.3

TPH 2.0

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 Gayle W. Donaghey PRINTED NAME Gayle W. Donaghey
AND TITLE Production Supervisor

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

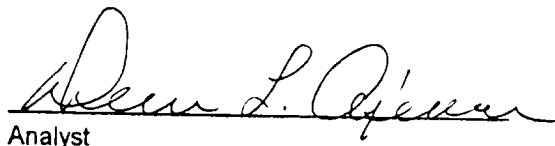
Client:	Marathon Oil Co..	Project #:	95047
Sample ID:	Jicarilla #14	Date Reported:	09-04-96
Laboratory Number:	A526	Date Sampled:	08-31-96
Chain of Custody No:	4865	Date Received:	09-03-96
Sample Matrix:	Soil	Date Extracted:	09-03-96
Preservative:	Cool	Date Analyzed:	09-03-96
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

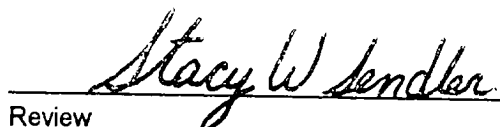
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	2.0	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	2.0	0.2

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 Apache, Jicarilla #14, Sample #8 Wellhead Pit.


Analyst


Review

wellhead
Pit

wellhead
#14

El PASO
METRIC
HOUSE

MICRO
METRIC
HOUSE

EVAP
PIT

34 pit

production
unit

prod.
unit

PIT
TUB

