

Denny E. Faust
DEPUTY OIL & GAS INSPECTOR

Energy, Minerals and Natural Resources Department

JUN 23 1998

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

PIT REMEDIATION AND CLOSURE REPORT

Approved
Operator: Falcon

Telephone: (801) 584-6361

Address: P.O. Box 58900, Salt Lake City, Utah 84158-0900

WellName: Conoco 29-4 # 7

(85060)

Location: Unit or Qtr/Qtr Sec E Sec 20 T 29 R 4 County Rio Arriba

PitType Dehydrator

LandType: State

Pit Location: Pit dimensions: length 17 ft., width 16 ft., depth 13 ft.
(Attach diagram)

Reference: Wellhead

Footage from reference: 54 ft.

Direction from reference: 290 Degrees East of North

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)

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OIL CON. DIV.
DIST. 3

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 1,000 feet	(10 points)	
Greater than 1,000 feet	(0 points)	<u>0</u>

Ranking Score (TOTAL POINTS): 0

Date Remediation Started: 10/15/97

Date Completed: 10/15/97

Remediation Method: Excavation ☒

Approx. Cubic Yard 131

(check all appropriate sections)

Landfarmed ☒Insitu Bioremediation ☐

Other

Landfarmed soil after mechanical aeration.

Remediation Location: Onsite ☒ Offsite

(ie. landfarmed onsite, name and location of offsite facility)

General Description Of Remedial Action:

The pit was excavated to remove gross petroleum contamination. The excavated material was mechanically aerated and placed into an onsite landfarm.

Ground Water Encountered: 0

Final Pit:

Sample location CONOCO 29-4 # 7-V-EXFL-01

Closure Sampling:

(if multiple samples, attach sample results and diagram of sample locations and depths)

Two samples were collected, one sample from the excavation bottom and the second sample was made up of 4 points from each excavation wall.

Sample depth 13 FEET

Sample date 10/16/97

Sample time

Sample Result

Benzene (ppm) <0.10

Total BTEX (ppm) <0.40

Field Headspace (ppm)

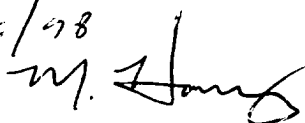
TPH (ppm) <2.0

Ground Water Sample: 0

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

DATE 3/6/98

SIGNATURE



PRINTED NAME Mark Harvey for Williams Field Services
AND TITLE

PIT RETIREMENT FORM

85060

Date: 10.15.97

Weather SUNNY 70's

Well Name CONOCO 29-4 #7 Operator MANUEL FALCON Sec 20 T 29 R 4 UL E

Land Type: BLM STATE FEE INDIAN

County RIO ARriba

One Call Made (505-765-1234)? (Y) N

Line Marking Evident? (Y) N

Pit Location:

Reference Wellhead X Other _____

Distance from: 54

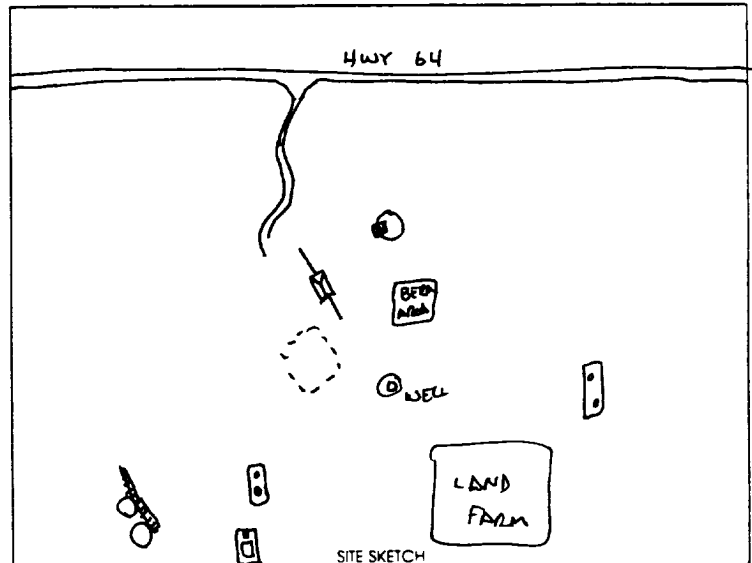
Direction: 290° Degrees X E N X

of

W S W

Starting Pit Dimensions 14 x 14 x 1

Final Pit Dimensions 17 x 16 x 13



Organic Vapor Readings: Start _____ Soil Description: SANDY CLAY
 @ 2' _____
 @ 4' _____
 @ 6' _____
 @ 8' _____
 @ 13' _____
 @ _____

SANDY CLAY
 " "
 " "
 " "
 " "
CLAYSTONE

Well Proximity To: Residence, Domestic Water Well, Stock Well NONE

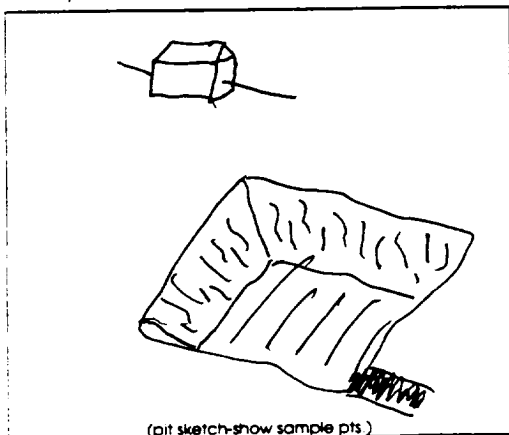
Arroyo, Wash, Lake, Stream NONE

Estimated or Known Distance to Ground Water > 100'

Source of Backfill (if other than processed material) _____

Samples collected: Type _____ Progress: Verification: ID CONOCO 29-4 #7-V-EX-WA-01 (soil)/ water
 Progress: Verification: ID CONOCO 29-4 #7-V-EX-FL-01 (soil)/ water
 Progress: Verification: ID _____ soil / water

Sample sent to Lab Via: Courier Hand Carried Other _____ Preservative: ICE Other _____



Comments: SITE HAD MODERATE ODOUR AND LIGHT STAINING -
HT CLAYSTONE FLOOR AT 13 FEET - COLLECTED FLOOR SAMPLE
FROM SCRAPINGS - SOIL LANDFARMED ON SITE

Soil Shipped to: ON SITE LANDFARM

Prepared by: Manuel Y. Falcon



ORGANIC ANALYSIS REPORT

AMERICAN
WEST
ANALYTICAL
LABORATORIES

Client: Williams Field Services
Date Sampled: October 16, 1997
Date Received: October 23, 1997

Analysis Requested:
Volatile Aromatics
Total Petroleum Hydrocarbons

Field Sample ID:
JICARILLA PIT REMEDIATION
CONOCO 29-4 #7-V-EXWA-01/85060

Contact: Mark Harvey
Date Extracted: October 23, 1997
Date Analyzed: October 24, 1997

Method Ref. Number:
SW-846 #8020/8015 modified
(Extraction-Sequential GC/PID-FID)

Lab Sample ID:
L31227-13

463 West 3600 South
Salt Lake City, Utah
84115

(801) 263-8686
Toll Free (888) 263-8686
Fax (801) 263-8687

Analytical Results

BTX/TPH-E

Units = mg/kg(ppm)

<u>Compound:</u>	<u>Reporting Limit:</u>	<u>Amount Detected:</u>
Benzene	0.10	< 0.10
Toluene	0.10	< 0.10
Ethylbenzene	0.10	< 0.10
Total Xylene	0.10	< 0.10
Total Petroleum Hydrocarbons	2.0	< 2.0

% Moisture

3.0%

* All compounds are reported on a dry weight basis.

Released By: Diana Salas

Laboratory Supervisor

Report Date: October 27, 1997

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ORGANIC ANALYSIS REPORT

Client: Williams Field Services
Date Sampled: October 16, 1997
Date Received: October 23, 1997

Analysis Requested:
Volatile Aromatics
Total Petroleum Hydrocarbons

Field Sample ID:
JICARILLA PIT REMEDIATION
CONOCO 29-4 #7-V-EXFL-01/85060

Contact: Mark Harvey
Date Extracted: October 23, 1997
Date Analyzed: October 24, 1997

Method Ref. Number:
SW-846 #8020/8015 modified
(Extraction-Sequential GC/PID-FID)

Lab Sample ID:
L31227-14

Analytical Results

BTX/TPH-E

Units = mg/kg(ppm)

<u>Compound:</u>	<u>Reporting Limit:</u>	<u>Amount Detected:</u>
Benzene	0.10	< 0.10
Toluene	0.10	< 0.10
Ethylbenzene	0.10	< 0.10
Total Xylene	0.10	< 0.10
Total Petroleum Hydrocarbons	2.0	< 2.0

% Moisture

4.0%

* All compounds are reported on a dry weight basis.

Released By:


Laboratory Supervisor

Report Date: October 27, 1997

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ORGANIC ANALYSIS REPORT

AMERICAN
WEST
ANALYTICAL
LABORATORIES

Client: Williams Field Services
Date Sampled: November 20, 1997
Date Received: November 24, 1997

Contact: Mark Harvey
Date Extracted: November 24, 1997
Date Analyzed: November 25, 1997

Analysis Requested:
Total Petroleum Hydrocarbons

Method Ref. Number:
SW-846 #8015 modified
(Extraction - GC/FID)

Field Sample ID:
CONOCO 29-4 #7-V-LF-01 @ 13:52/85060 13 PPM
JICARILLA PIT REMEDIATION

Lab Sample ID:
L31589-1

Analytical Results

TPH-E

Units = mg/kg(ppm)

Compound:

Reporting
Limit:

Amount
Detected:

Total Petroleum Hydrocarbons

2.0

< 2.0

463 West 3600 South
Salt Lake City, Utah
84115

(801) 263-8686
Toll Free (888) 263-8686
Fax (801) 263-8687

% Moisture

10.%

* All compounds are reported on a dry weight basis.

Released By: Diane Balg
Laboratory Supervisor

Report Date: November 26, 1997

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LANDFARM