

Denny B. Faust
DEPUTY OIL & GAS INSPECTOR

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

JUN 23 1988

PIT REMEDIATION AND CLOSURE REPORT

Approved

Operator: Williams Field Services Telephone: (801) 584-6361
Address: P.O. Box 58900, Salt Lake City, Utah 84158-0900
WellName: SJ 27-4 #8 LATERAL LINE DRIP (LD2748)
Location: Unit or Qtr/Qtr Sec M Sec 32 T 27N R 4W County Rio Arriba
PitType Drip
LandType: FOREST

Pit Location: Pit dimensions: length 38 ft., width 27 ft., depth 10 ft.
(Attach diagram)

Reference: Wellhead

Footage from reference: 94 ft.

Direction from reference: 160 Degrees East of North

Depth To Ground Water: Less than 50 feet (20 points)
(Vertical distance from 50 feet to 99 feet (10 points)
contaminants to seasonal Greater than 100 feet (0 points) 0
high water elevation of
ground water)

Wellhead Protection Area: Yes (20 points)
(Less than 200 feet from a private No (0 points) 0
domestic water source, or; less than
1000 feet from all other water sources)

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DIST. 3

Distance To Surface Water: Less than 200 feet (20
(Horizontal distance to perennial points)
lakes, ponds, rivers, streams, creeks, irrigation
canals and ditches) 200 feet to 1,000 feet (10 0

Ranking Score (TOTAL POINTS): 0

Date Remediation Started: 6/6/97

Date Completed: 6/6/97

Remediation Method: Excavation ✓

Approx. Cubic Yard 380

(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: No

Final Pit:

Sample location SJ 27-4 #8 LINE DRIP-V-EXFL-01

Closure Sampling: *mtb*(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 10 feet

Sample date 6/6/97

Sample time 11:02

Sample Result

Benzene (ppm) <0.10

Total BTEX (ppm) 1.93

Field Headspace (ppm)

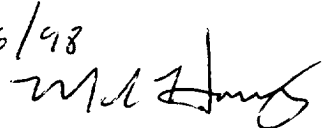
TPH (ppm) 96

Ground Water Sample: No

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

FOREST

Date: 6.6.97

LD2748

Weather OVERCAST/RAIN 70°

Well Name SJ 27-4 #8 LATERAL LINE DRIP Operator WILLIAMS Sec 32 T 27 R 4 UL

Land Type: BLM STATE FEE (INDIAN) County RIO ARriba

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

Line Marking Evident? (Y) N

Pit Location:

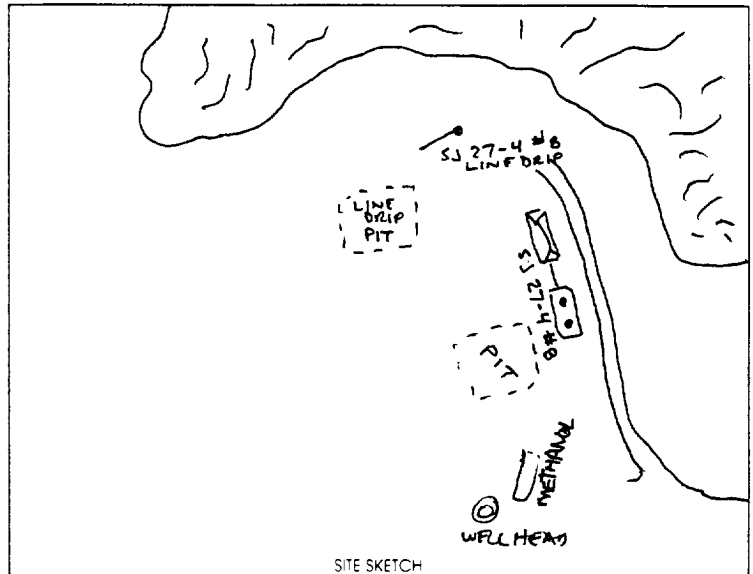
Reference Wellhead X Other X

Distance from: 94'

Direction: 160 Degrees x E N x
of
W S

Starting Pit Dimensions 12 x 12 x 2

Final Pit Dimensions 38 x 27 x 10



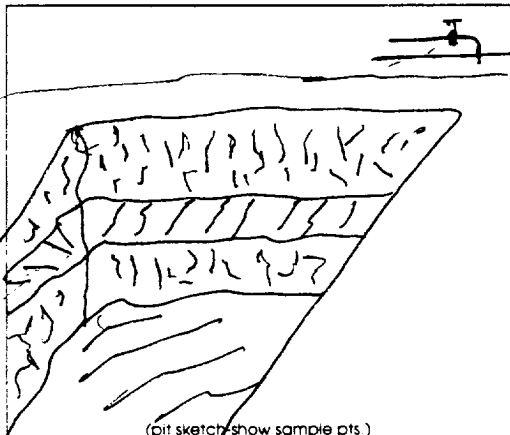
Organic Vapor Readings: Start Soil Description: SANDY
@ 2'
@ 4'
@ 6'
@ 8'
@
@

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 SJ 27-4 #8 LINEDRIP.V.EXWA.01 (soil) water
Progress: Verification ID SJ 27-4 #8 LINEDRIP.V.EXFL.01 (soil) water
Progress: Verification: ID soil / water

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



Comments: SITE LOCATED ON HONOLULU MESA ~ SOUTH WALL
RUNS UP AGAINST GAS LINE AND EXCAVATION COULD GO
NO FURTHER ~ NO SIGNIFICANT STAINING OR ODOR COMING
FROM SOUTHWALL ~ SOIL SHREDDED AND LANDFACED ON
SYTET

Soil Shipped to: ON SITE LANDFARM

Prepared by: May 7 1997



AMERICAN
WEST
ANALYTICAL
LABORATORIES

463 West 3600 South
Salt Lake City, Utah
84115

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

ORGANIC ANALYSIS REPORT

Client: Williams Field Services
Date Sampled: June 06, 1997
Date Received: June 13, 1997

Contact: Mark Harvey
Date Extracted: June 16, 1997
Date Analyzed: June 17, 1997

Analysis Requested:
Volatile Aromatics
Total Petroleum Hydrocarbons

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

Field Sample ID:
JICARILLA PIT REMEDIATION
SJ 27-4 #8 LINE DRIP-V-EXFL-01/11:02

Lab Sample ID:
L29590-29

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	0.53
Ethylbenzene	0.10	< 0.10
Total Xylene	0.10	1.4
Total Petroleum Hydrocarbons	2.0	96.

% Moisture	15. %
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* All compounds are reported on a dry weight basis.

Released By: 
Laboratory Supervisor

Report Date: June 18, 1997

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ORGANIC ANALYSIS REPORT

Client: Williams Field Services
Date Sampled: June 06, 1997
Date Received: June 13, 1997

Contact: Mark Harvey
Date Extracted: June 16, 1997
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Analysis Requested:
Volatile Aromatics
Total Petroleum Hydrocarbons

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

Field Sample ID:
JICARILLA PIT REMEDIATION
SJ 27-4 #8 LINE DRIP-V-EXWA-01/11:02

Lab Sample ID:
L29590-28

Analytical Results

BTX/TPH-E

Units = mg/kg(ppm)

<u>Compound:</u>	<u>Reporting Limit:</u>	<u>Amount Detected:</u>
Benzene	0.10	1.0
Toluene	0.10	0.60
Ethylbenzene	0.10	< 0.10
Total Xylene	0.10	0.63
Total Petroleum Hydrocarbons	2.0	140.

% Moisture

14.%

* All compounds are reported on a dry weight basis.

Released By: _____

Diane B. Baker
Laboratory Supervisor

Report Date: June 18, 1997

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AMERICAN
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ORGANIC ANALYSIS REPORT

Client: Williams Field Services
Date Sampled: July 17, 1997
Date Received: July 21, 1997

Contact: Mark Harvey
Date Extracted: July 22, 1997
Date Analyzed: July 23, 1997

Analysis Requested:
Total Petroleum Hydrocarbons

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

Field Sample ID:
SJ 27-4 #8 LINE DRIP-V-LF-01/6PPM/18:02
JICARILLA PIT REMEDIATION

Lab Sample ID:
L30031-22

463 West 3600 South
Salt Lake City, Utah
84115

Analytical Results

TPH-E

Units = mg/kg(ppm)

Compound:

Reporting
Limit:

Amount
Detected:

Total Petroleum Hydrocarbons

2.0


2.3

% Moisture

3.0%

* All compounds are reported on a dry weight basis.

Released By:


Laboratory Supervisor

Report Date: July 28, 1997

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LANOFARM