

Denny & Faust
DEPUTY OIL & GAS INSPECTOR

JUN 23 1998

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

PIT REMEDIATION AND CLOSURE REPORT

Approved

Operator: Burlington Resources (Williams Field Services) Telephone: (801) 584-6361
Address: P.O. Box 58900, Salt Lake City, Utah 84158-0900
WellName: SJ 27-4 UNIT #8 (71545)
Location: Unit or Qtr/Qtr Sec M Sec 32 T 27N R 4W County Rio Arriba
PitType Dehydrator
LandType: FOREST

Pit Location: Pit dimensions: length 19 ft., width 16 ft., depth 10 ft.
(Attach diagram)

Reference: Wellhead

Footage from reference: 78 ft.

Direction from reference: 150 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)

RECEIVED
MAR 30 1998

OIL CON. DIV.
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 115

(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-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 10 feet

Sample date 6/6/97

Sample time 10:54

Sample Result

Benzene (ppm) <0.10

Total BTEX (ppm) 0.34

Field Headspace (ppm)

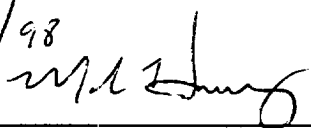
TPH (ppm) 38

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

FOREST

PIT RETIREMENT FORM

71545

Date: 6.6.97Weather OVERCAST/RAIN 70'sWell Name SJ 27-4 #8 Operator BURLINGTON RESOURCE Sec 32 T 27 R 4 UL M

Land Type: BLM STATE FEE

INDIANCounty RIO ARriba

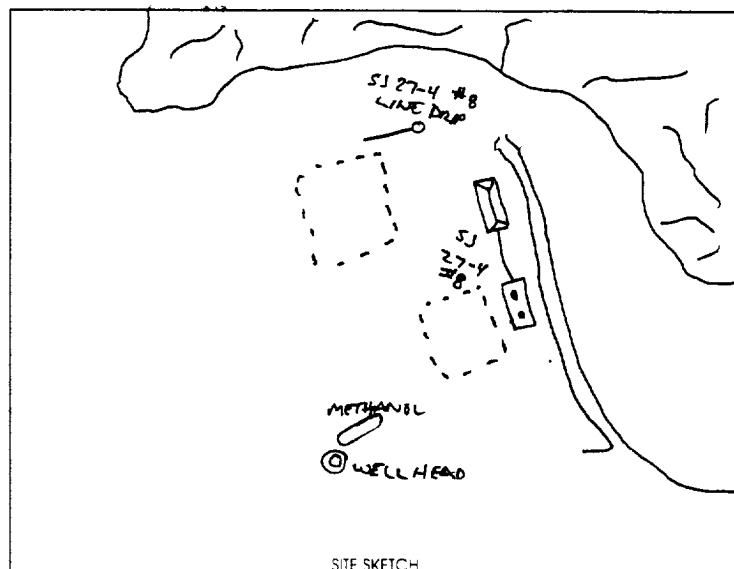
One Call Made (505-765-1234)?

Y N

Line Marking Evident?

Y N

Pit Location:

Reference Wellhead x Other _____Distance from: 78Direction: 150 Degrees x E N xof
_____ W S _____Starting Pit Dimensions 12 x 12 x 2Final Pit Dimensions 19 x 16 x 10

Organic Vapor Readings: Start _____ Soil Description: SANDY

@ 2' _____

@ 4' _____

@ 6' _____

@ 8' _____

@ _____

@ _____

Soil Description: SANDY

Well Proximity To: Residence, Domestic Water Well, Stock Well NONEArroyo, Wash, Lake, Stream NONEEstimated or Known Distance to Ground Water >100'

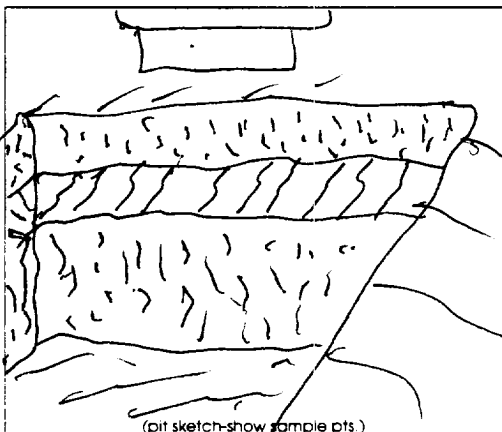
Source of Backfill (if other than processed material) _____

Samples collected: Type Progress: Verification ID SJ 27-4 #8.V.EXFL.01 soil/ water

Progress: Verification ID SJ 27-4 #8.V.EXWA.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 - SLIGHT

STAINING AND ODOOR IN PIT - FINAL EXCAVATION JOINING

WITH AIT FROM ADJACENT LINE DRIP - SOIL SHREDDED

AND LANDFARMED ON SITE -

Soil Shipped to: ON SITE LANDFARMPrepared by: Walt L. W.



AMERICAN
WEST
ANALYTICAL
LABORATORIES

ORGANIC ANALYSIS REPORT

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

Contact: Mark Harvey
Date Extracted: June 14, 1997
Date Analyzed: June 16, 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-V-EXFL-01/10:54

Lab Sample ID:
L29590-27

Analytical Results

Units = mg/kg(ppm)

BTX/TPH-E

<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	0.34
Total Petroleum Hydrocarbons	2.0	38.

% Moisture

12.%

* All compounds are reported on a dry weight basis.

Released By: _____

Dan Bala
Laboratory Supervisor

Report Date: June 18, 1997

1 of 1



AMERICAN
WEST
ANALYTICAL
LABORATORIES

ORGANIC ANALYSIS REPORT

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

Contact: Mark Harvey
Date Extracted: June 14, 1997
Date Analyzed: June 16, 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
SI 27-4 #8-V-EXWA-01/10:54

Lab Sample ID:
L29590-26

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	33.

% Moisture

16.%

* All compounds are reported on a dry weight basis.

Released By: _____

Diane Baker
Laboratory Supervisor

Report Date: June 18, 1997

1 of 1



AMERICAN
WEST
ANALYTICAL
LABORATORIES

463 West 3600 South
Salt Lake City, Utah
84115

(801) 263-8686
Fax (801) 263-8687

ORGANIC ANALYSIS REPORT

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

Analysis Requested:
Total Petroleum Hydrocarbons

Field Sample ID:
SJ 27-4 #8-V-LF-01/71545 OPPM/17:55
JICARILLA PIT REMEDIATION

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

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

Lab Sample ID:
L30031-21

Analytical Results

Units = mg/kg(ppm)

TPH-E

<u>Compound:</u>	<u>Reporting Limit:</u>	<u>Amount Detected:</u>
Total Petroleum Hydrocarbons	2.0	< 2.0

% Moisture

7.0%

* All compounds are reported on a dry weight basis.

Released By: Diane Baker
Laboratory Supervisor

Report Date: July 28, 1997

1 of 1