

Denny E. Faust
DEPUTY OIL & GAS INSPECTOR

MAY 04 1998

State of New Mexico
Energy, Minerals and Natural Resources Department
OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

OK

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 27-5 UNIT #4 MV (70762)
Location: Unit or Qtr/Qtr Sec A Sec 29 T 27N R 5W County Rio Arriba
PitType: Dehydrator
LandType: BLM

Pit Location: Pit dimensions: length 17ft., width 17ft., depth 8ft.
(Attach diagram)

Reference: Wellhead

Footage from reference: 84 ft.

Direction from reference: 36 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) 0

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Wellhead Protection Area:

(Less than 200 feet from a private
domestic water source, or; less than
1000 feet from all other water sources)

OIL CON. DIV.
DIST. 3

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 1,000 feet (10 0)

Ranking Score (TOTAL POINTS): 0

Date Remediation Started: 12/5/96**Date Completed:** 12/20/96Excavation ☒

Approx. Cubic Yard 0

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, mixed with fertilizer, and placed into an onsite landfarm. After remediation goals were confirmed, the soil was returned to the excavation.

Ground Water Encountered: No**Final Pit:**

Sample location SJ 27-5 #4 V-EX-01

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

A composite sample, made up of 4 points from each excavation face, was collected..

Sample depth Up to 8 feet.

Sample date 12/9/96

Sample time 14:20

Sample Result

Benzene (ppm) 5.14

Total BTEX (ppm) 341

Field Headspace (ppm)

TPH (ppm) 864

Ground Water Sample: No

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

DATE 3/20/97

SIGNATURE *Mark Harvey* FOR WFSPRINTED NAME MARK HARVEY
AND TITLE PROJECT COORDINATOR

PIT RETIREMENT FORM

Date: 12-5-96Weather SUNNY/COLD/25°Well Name SJ27-5#4 Operator BUELLINGTON RESOURCES Sec 29 T2N R5W UL 250E

Land Type: BLM STATE FEE INDIAN

County RIO ARriba

One Call Made (505-765-1234)?

Y N

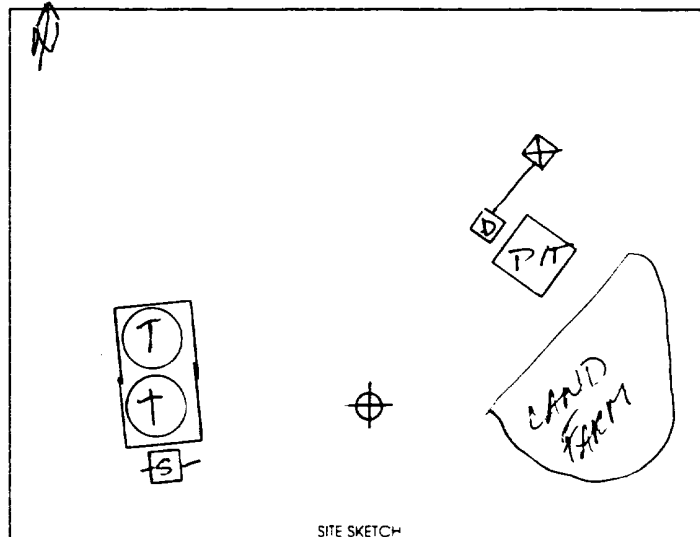
Line Marking Evident?

Y N

Pit Location:

Reference Wellhead X Other _____Distance from: 84'Direction: 36° Degrees X E N X

of

W S _____Starting Pit Dimensions 11' x 9' x 3'Final Pit Dimensions 17' x 17' x 8'

SITE SKETCH

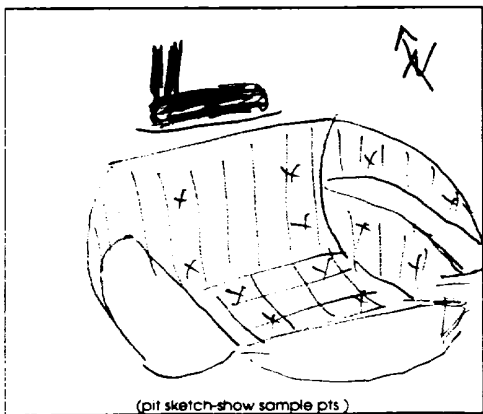
Organic Vapor Readings: Start _____ Soil Description: BROWN SANDY SILT
 @ 2' _____
 @ 4' _____
 @ 6' _____
 @ 8' _____
 @ _____
 @ _____

GRAY SANDSTONE

Well Proximity To: Residence, Domestic Water Well, Stock Well NONE
 Arroyo, Wash, Lake, Stream MINOR WASH ~ 150 feet SE
 Estimated or Known Distance to Ground Water >100 feet

Source of Backfill (if other than processed material) _____

Samples collected: Type Progress: Verification: ID SJ27-5#4 V-EX-01 soil / water
 Progress: Verification: ID SJ27-5#4 V-EX-02 soil / water
 Progress: Verification: ID _____ soil / water

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

(pit sketch-show sample pts)

Comments: REMOVED TANK FROM EXCAVATION -
EXCAVATED PIT - LIGHT STAINING W/ LITTLE ODOR -
EXCAVATION WAS LIMITED BY ROCK VERTICALLY -
SOIL WAS SHREDDED WHILE FERTILIZER WAS
ADDED - PROCESSED SOIL WAS LANDFARMED
ON LOCATION. AFTER CONFIRMATION, LANDFARMED
MATERIAL WAS USED AS BACKFILL

Soil Shipped to: _____
 Prepared by: [Signature]

Organic Analysis - Pit Closure

Williams Field Services

Project ID:	OCD Pits	Report Date:	12/16/96
Sample ID:	SJ 27-5 #4 V-EX-01	Date Sampled:	12/09/96
Lab ID:	5902	Date Received:	12/09/96
Sample Matrix:	Soil	Date Extracted:	12/11/96
Preservative:	Cool	Date Analyzed:	12/11/96
Condition:	Intact		

Target Analyte	Concentration (mg/kg)	Detection Limit (mg/kg)
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Total Aromatic Hydrocarbons	341	
Benzene	5.14	0.81
Toluene	105	8.09
Ethylbenzene	21.1	1.62
m,p-Xylenes	172	8.09
o-Xylene	37.6	8.09

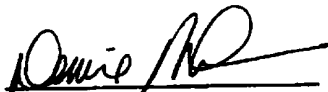
Total Recoverable Petroleum Hydrocarbons	864	49.3
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Quality Control:	Surrogate	Percent Recovery	Acceptance Limits
	Trifluorotoluene	97	81 - 117%
	Bromofluorobenzene	92	74 - 121%

Reference: Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, Final Update I, July, 1992.

Method 3550 - Sonication Extraction; Test Methods for Evaluating Solid Waste, SW-846, United States Environmental Protection Agency, September, 1986;
Method 418.1 - Petroleum Hydrocarbons, Total Recoverable; Chemical Analysis of Water and Waste, United States Environmental Protection Agency, 1978.

Comments:


Review

Organic Analysis - Pit Closure**Williams Field Services**

Project ID:	OCD Pits	Report Date:	12/18/96
Sample ID:	SJ 27-5 #4 V-LF-02	Date Sampled:	12/17/96
Lab ID:	5994	Date Received:	12/17/96
Sample Matrix:	Soil	Date Extracted:	12/18/96
Preservative:	Cool	Date Analyzed:	12/18/96
Condition:	Intact		

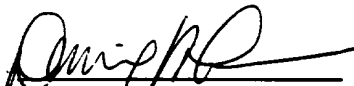
Target Analyte	Concentration (mg/kg)	Detection Limit (mg/kg)
Total Aromatic Hydrocarbons	36.5	
Benzene	ND	1.23
Toluene	5.79	1.23
Ethylbenzene	1.80	1.23
m,p-Xylenes	22.4	2.47
o-Xylene	6.50	1.23
Total Recoverable Petroleum Hydrocarbons	394	28.8

Quality Control:	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Trifluorotoluene	103	81 - 117%
	Bromofluorobenzene	107	74 - 121%

Reference: Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics;
Test Methods for Evaluating Solid Wastes, SW-846, United States
Environmental Protection Agency, Final Update I, July, 1992.

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Comments:


Review