

Denny E. Frost
DEPUTY OIL & GAS INSPECTOR

MAY 04 1998

State of New Mexico
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 28-5 UNIT #38A MV (85413)
Location: Unit or Qtr/Qtr Sec O Sec 32 T 28N R 5W County Rio Arriba
PitType: Dehydrator
LandType: BLM

Pit Location: Pit dimensions: length 27 ft., width 27 ft., depth 8 ft.
(Attach diagram)

Reference: Wellhead

Footage from reference: 60 ft.

Direction from reference: 29 Degrees West of 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) 10

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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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 points) 0

Ranking Score (TOTAL POINTS): 10

Date Remediation Started: 11/25/96**Date Completed:** 12/20/96Excavation ☒

Approx. Cubic Yard 210

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 28-5 #38A 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 12/5/96

Sample time 13:10

Sample Result

Benzene (ppm) <0.73

Total BTEX (ppm) 13.9

Field Headspace (ppm)

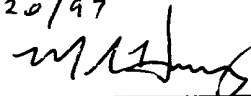
TPH (ppm) 200

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



FOR WFS

PRINTED NAME MARK HARVEY
AND TITLE PROJECT COORDINATOR

85413

PIT RETIREMENT FORM

Date: 11-25-96Weather CLOUDY/COLD/46°Well Name SJ 28-5 #38A Operator BURLINGTON RESOURCES Sec 32 T88N R 56W UL 60E

Land Type: BLM STATE FEE INDIAN

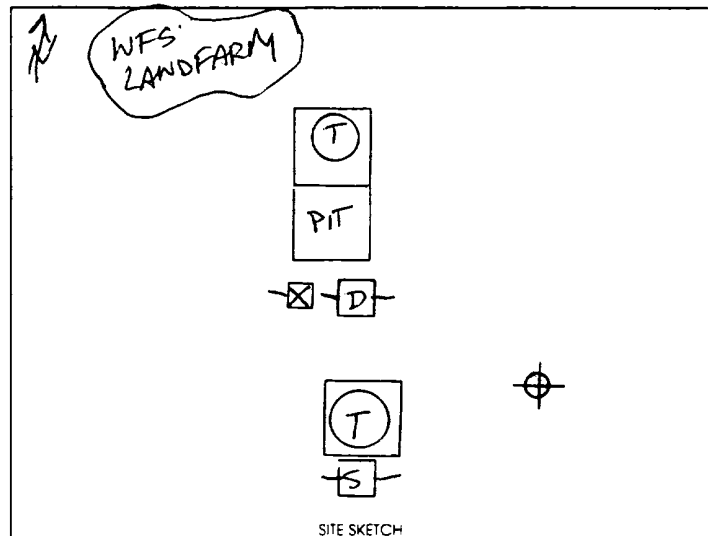
County RIO ARriba

One Call Made (505-765-1234)?

☒ N
☒ N

Line Marking Evident?

Pit Location:

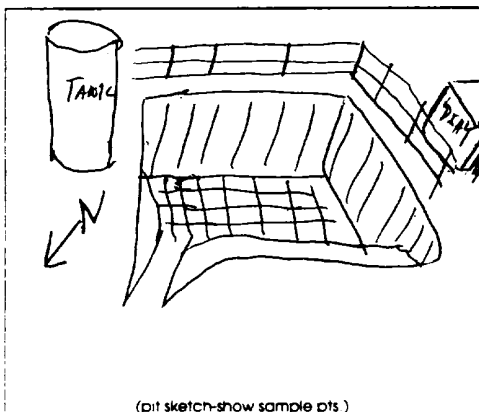
Reference Wellhead X Other _____Distance from: 60'Direction: 290 Degrees _____ E N Xof
X W SStarting Pit Dimensions 20 x 20 x 3Final Pit Dimensions 27 x 27 x 8

Organic Vapor Readings: Start _____ Soil Description: LIGHT BROWN SILTY SAND
 @ 2' _____ LIGHT BROWN COARSE SAND
 @ 4' _____ LIGHT BROWN SAND
 @ 6' _____ " " "
 @ 8' _____ GRAY SANDSTONE
 @ _____
 @ _____

Well Proximity To: Residence, Domestic Water Well, Stock Well NONE
 Arroyo, Wash, Lake, Stream CABANA ~ 250 FT NORTH TO HUNOZ WASH
 Estimated or Known Distance to Ground Water >50 <100 feet

Source of Backfill (if other than processed material) _____

Samples collected: Type Progress: Verification: ID SJ 28-5 #38A V-EX01 water
 Progress: Verification: ID SJ 28-5 #38A V-EX02 water
 Progress: Verification: ID _____ soil / water

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

Comments: REMOVE TANK AND LINER
SET UP EXCAVATE, SHRED MATERIAL, ADD
FERTILIZER, LANDFARM ON SITE. AFTER
REMEDIATION (ON FIELD), EXCAVATION WAS
BACK FILLED USING LANDFARM MATERIAL

Soil Shipped to: _____

Prepared by: [Signature]

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

Project ID: OCD Pits
Sample ID: SJ 28-5 #38A V-EX-01
Lab ID: 5855
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Report Date: 12/13/96
Date Sampled: 12/05/96
Date Received: 12/06/96
Date Extracted: 12/11/96
Date Analyzed: 12/11/96

Target Analyte	Concentration (mg/kg)	Detection Limit (mg/kg)
Total Aromatic Hydrocarbons	13.9	
Benzene	ND	0.73
Toluene	ND	0.73
Ethylbenzene	ND	0.73
m,p-Xylenes	10.5	1.46
o-Xylene	3.32	0.73
Total Recoverable Petroleum Hydrocarbons	200	24.4

Quality Control:	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Trifluorotoluene	100	81 - 117%
	Bromofluorobenzene	86	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 28-5 #38A V-LF-02	Date Sampled:	12/16/96
Lab ID:	5983	Date Received:	12/16/96
Sample Matrix:	Soil	Date Extracted:	12/17/96
Preservative:	Cool	Date Analyzed:	12/17/96
Condition:	Intact		

Target Analyte	Concentration (mg/kg)	Detection Limit (mg/kg)
Total Aromatic Hydrocarbons	12.3	
Benzene	ND	0.68
Toluene	1.15	0.68
Ethylbenzene	ND	0.68
m,p-Xylenes	8.42	1.37
o-Xylene	2.78	0.68
Total Recoverable Petroleum Hydrocarbons	203	29.4

Quality Control:	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Trifluorotoluene	110	81 - 117%
	Bromofluorobenzene	121	74 - 121%

Reference: Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics;
Test Methods for Evaluating Solid Wastes, SW-846, United States
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Comments:



Review