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

ON CON. DIV OBL 3

Burlington Resources (Williams Field Services) Operator:

Telephone: (801) 584-6361

Address:

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

WellName:

SJ 28-5 UNIT #70

(75689)

Location:

Unit or Qtr/Qtr Sec L Sec 34 T 28N R 5W County Rio Arriba

PitType:

Dehydrator

LandType:

BLM

Pit Location: Pit dimensions: length 20ft., width 20ft., depth 12ft.

(Attach diagram)

Reference: Wellhead

Footage from reference:

81 ft.

Direction from reference:

60 Degrees West of South

Depth	To	Ground	Water:
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(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) 0

Greater than 100 feet (0 points)

Wellhead Protection Area:

(Less than 200 feet from a private domestic water source, or; less than 1000 feet from all other water sources) Yes (20 points)

No (0 points)

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

Ranking Score (TOTAL POINTS):

0

0

0

Date Remediation Started: 11/21/96

Date Completed: 12/20/96

Remediation Method: Excavation 🗷

Approx. Cubic Yard 180

(check all appropriate

sections)

Landfarmed 🔽

Insitu Bioremediation

Other

Landfarmed soil after mechanical aeration.

Remediation Location:

Onsite V 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. Returned to site 4/3/99 and utilized hydraulic probe to collect sample at 17-18'. TPH: 84.5 BTEX: 13.2

Ground Water Encountered:

Final Pit:

Closure Sampling:

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

Sample location SJ 28-5 #70 V-EX-01

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

collected...

No

Sample depth Up to 12 feet.

Sample date 12/4/96

Sample time 12:30

Sample Result

Benzene (ppm) <0.39

Total BTEX (ppm) 10.3

Field Headspace (ppm)

TPH (ppm) 582

Ground Water Sample:

No

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

DATE 9-20-99

SIGNATURE MILLOW

PRINTED NAME

MARK HARJEY

AND TITLE

PROJECT COORDINATION

PIT RETIREMENT FORM

Date:	Weather
Well Name 5J 28-5 #70 Operator BURYNCTON	U BESONECES Sec 34 TZRN R5W UL/175-10
Land Type: (BLM) STATE (ACE) INDIAN	County RIO ARRIBA
One Call Made (505-765-1234)? Y N	
Line Marking Evident? Y N	WES .
	AND FARM
Pit Location:	
Reference Wellhead X Other	
Distance from: BI Let	
Direction: 60° Degrees E NE	
of	
<u>x_w_s_x_</u>	PIT T
	(B) (S)
Starting Pit Dimensions $\frac{15'}{x} \times \frac{15'}{x} \times \frac{3'}{x}$	
Final Pit Dimensions $\frac{70}{12} \times \frac{70}{12} \times \frac{70}{12}$	
	SITE SKETCH
Organic Vapor Readings: Start Soil Des	scription: BRAWN SANDYSILT
@ 2'	
@ 4′ @ 6′	// //
@ 8′	11.11
@ <u># /</u>	
@ <u>/2/</u>	
Well Proximity To: Residence, Domestic Water W	ell, Stock Well NONE
Arroyo, Wash, Lake, Stream	NONE
Estimated or Known Distance t	o Ground Water <u>>160 feet</u>
Source of Backfill (if other than processed material	
(**************************************	
Samples collected: Type Progress: Verification	
Progress: Verification	
Progress: Verification	n: IDsoil / water
Sample sent to Lab Via Courier Hand Carried	OtherPreservative: LE Other
Comments:	REHOUED TANK FROM PIT. REMINED
LINER.	BET UP, EXCAUATED, SHPEDDED MATERIAL,
ADDED FEE	TRIZER, LAND FARMED MATERIAL ONSITE
ROCK WAS	GNCOUNTERED SEEDIAGRAM (ANDIARME)
MATTERIAL	WAS USED AS BACKFILL WHO
LEMEDIATION DEFINEDIATION	WAS WAPLETED
Soil Shipped to:	MI II
(pri swetch-show sample pts.) Prepared by:	All A Hering



Organic Analysis - Pit Closure

Williams Field Services

Project ID:

OCD Pits .

Report Date:

12/09/96

Sample ID:

SJ 28-5 #70 V-EX-01

Date Sampled: Date Received:

12/04/96 12/04/96

Lab ID: Sample Matrix: 5850 Soil

Date Extracted:

12/05/96

74 - 121%

Preservative:

Cool

Date Analyzed: 12/05/96

Condition:

Intact

Target Analyte		Concentration: (mg/kg):	Detection Limits (mg/kg)
Total Aromatic Hydrocarbo	ns	10.3	
Benzen	e	ND	0.39
Toluene	•	0.56	0.39
Ethylbe	nzene	ND	0.39
m,p-Xy	lenes	7.16	0.79
o-Xylen	e	2.62	0.39
Total Recoverable Petroleu	m Hydrocarbons	582	133

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Surrogate
Trifluorotoluene
Bromofluorobenzene

Percent Recovery	Acceptance Limits
100	81 - 117%

116

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:

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Organic Analysis - Pit Closure

Williams Field Services

OCD Pits . Report Date: 12/09/96 Project ID: Date Sampled: 12/04/96 SJ 28-5 #70 V-LF-01 Sample ID: Date Received: 12/04/96 Lab ID: 5851 Date Extracted: 12/05/96 Sample Matrix: Soil Date Analyzed: 12/5-7/96 Cool Preservative:

Condition: Intact

Target Analyte		Concentration ⊋ (mg/kg)	Detection Limit 2 (mg/kg)
Total Aromatic Hyd	Irocarbons	36.2	
	Benzene	ND	0.31
	Toluene	3.22	0.31
	Ethylbenzene	1.15	0.31
	m,p-Xylenes	25.8	2.45
	o-Xylene	6.04	0.31
Total Recoverable	Petroleum Hydrocarbons	689	141

Quality Control:	<u>Surrogate</u>	Percent Recovery	Acceptance Limits
•	Trifluorotoluene	102	81 - 117%
	Bromofluorobenzene	109	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:

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OWAL LABORATORIES, INC.

2911 ROTARY TERRACE, P.O. BOX 562/PITTSBURG, KS 66762/(316)232-1970

LABORATORY REPORT:

PEPERENCE #: 9904322

DATE REPORTED:

DATE RECEIVED:

SENT WILLIAMS FIELD SERVICE

TO: 295 CHIPETA WAY

SALT LAKE CITY, UTAH 84158

MARK HARVEY

PROJECT: NM PITS

Reference Fraction:9904322-05A

Sample ID: SJ28-5 #70 @17-18/75689

Sample Date Collected: 04/03/9916:00:00

DATE COLLECTED: 04/03/99

Sample Matrix: SOIL

04/19/99

04/09/99

TEST	METHOD	RESULT	UNITS	DL	ANALYZED	BY
ТРН	SW846-8015	84.5	MG/KG	3.0	04/17/99	KKL
BTEX BENZENE	SW846 8021	ND	MG/KG	0.05	04/15/99	
TOLUENE		1.97 0.433	MG/KG MG/KG	0.050 0.050	• •	
ETHYLBENZENE TOTAL XYLENES		10.8	MG/KG	0.05	04/15/99	
BFB (SURROGATE)		92	125	7:	• · · · · · · · · · · · · · · · · · · ·	

ND=NONE DETECTED DL-DETECTION LIMIT SU=STANDARD UNITS B=DETECTED IN METHOD BLANK

APPROVED BY:

PÉRRY KOESTER 👀 LABORATORY DIRECTOR

PROBE SAMPLE