

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

OK  
**RECEIVED**  
DEC - 6 1999  
OIL CON. DIV.  
DIST. 3

**PIT REMEDIATION AND CLOSURE REPORT**

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 #29 PC ( 72160 )  
Location: Unit or Qtr/Qtr Sec M Sec 13 T 27N R 5W County Rio Arriba  
PitType Drip  
LandType: Forest

Pit Location: Pit dimensions: length 16 ft., width 14 ft., depth 6 ft.  
(Attach diagram)

Reference: Wellhead

Footage from reference: 106 ft.

Direction from reference: 226 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) <u>10</u>
high water elevation of		
ground water)		

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

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

Ranking Score (TOTAL POINTS): 10

Date Remediation Started: 8/29/98

Date Completed: 8/29/98

Remediation Method: Excavation ☒

Approx. Cubic Yard 50

(check all appropriate sections)

Landfarmed ☒

Insitu Bioremediation

Other Landfarmed soil after mechanical aeration. LF Headspace 0ppm

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 27-5#29 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 6 feet

Sample date 8/29/98

Sample time 19:00

Sample Result

Benzene (ppm) &lt;0.050

Total BTEX (ppm) &lt;0.050

Field Headspace (ppm)

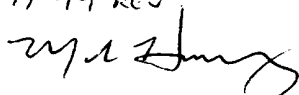
TPH (ppm) &lt;2.0

Ground Water Sample: No

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

DATE 10-11-99 RCV

SIGNATURE



PRINTED NAME Mark Harvey for Williams Field Services  
AND TITLE PROJECT COORDINATOR

# PIT RETIREMENT FORM

72160

Date: 8/20/98

Weather \_\_\_\_\_

Well Name ST 27-5 #29 Operator BURLINGTON Sec 13 T 27N R 5W UL SW/4 SW/4

Land Type: BLM STATE FEE INDIAN FOREST County RIO ARRIJA

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

Line Marking Evident? (Y) N

## Pit Location:

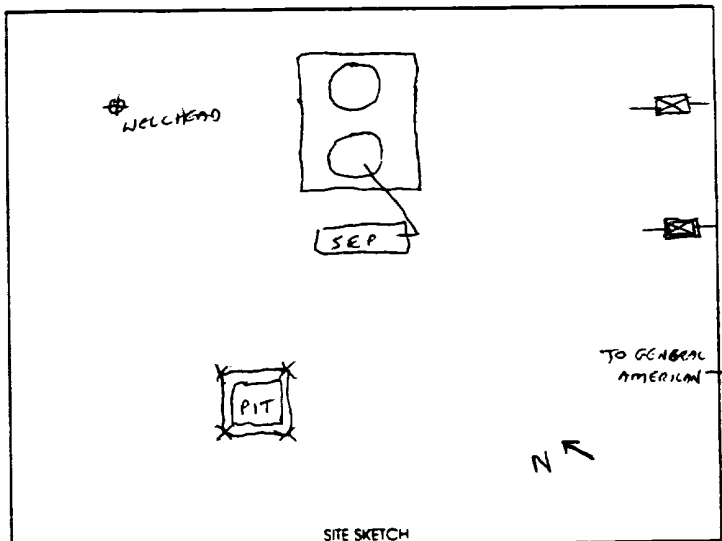
Reference Wellhead X Other \_\_\_\_\_

Distance from: 106'

Direction: 226 Degrees X E N X  
of  
\_\_\_\_\_ W S \_\_\_\_\_

Starting Pit Dimensions 12' x 12' x 2'

Final Pit Dimensions 16' x 14' x 6'



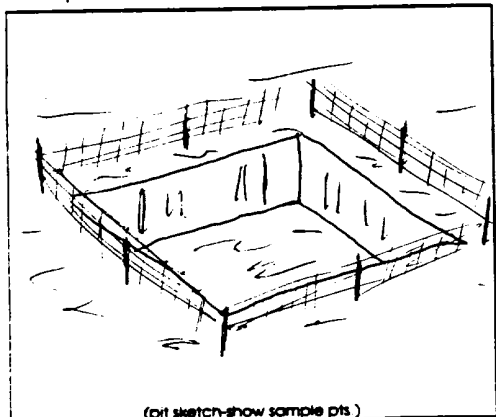
Organic Vapor Readings:	Start _____	Soil Description:	<u>SANDY SILT</u>
	@ 2' _____		<u>SILTY SAND</u>
	@ 4' _____		<u>1" 1" W/CLAY</u>
	@ 6' _____		<u>SILTY CLAY</u>
	@ 8' _____		_____
	@ _____		_____
	@ _____		_____

Well Proximity To: Residence, Domestic Water Well, Stock Well STOCK POND ~ 1/4 MILE SE  
Arroyo, Wash, Lake, Stream ~ 1/2 - 1/3 MILE SOUTH & SMALL ONE ADJACENT TO LOCATION  
Estimated or Known Distance to Ground Water 75-100

Source of Backfill (if other than processed material) \_\_\_\_\_

Samples collected:	Type	Progress: Verification:	ID <u>27-5 #29 -V-EXFL-01</u>	soil / water
		Progress: Verification:	ID <u>27-5 #29 -V-EXNA-01</u>	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: MOVE TANK + LINGER - LITTLE STAINING + ODOOR -  
EXCAVATE TO 4' - FLOOR HAS ONLY FAINT HYDROCARBON ODOOR -  
MORE CLAYET - CUT TO 6' - CLEAN FLOOR + WALLS - LEAVE FENCE -  
LF SOUTH OF PIT -

Soil Shipped to: ON-SITE LF  
Prepared by: W. Z...

## Q W A L L A B O R A T O R I E S, I N C.

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

## LABORATORY REPORT:

REFERENCE #: 9809139

SENT WILLIAMS FIELD SERVICE-MS4JI  
 TO: P.O. BOX 58900  
 SALT LAKE CITY, UTAH 84108  
 MARK HARVEY  
 PROJECT: 98 PIT REMEDIATION (CRZ)

DATE REPORTED: 09/08/98  
 DATE COLLECTED: 08/29/98  
 DATE RECEIVED: 09/02/98

Reference Fraction: 9809139-27A 7216D  
 Sample ID: CRZ/27-5#29 V-EKFL-01 / 86434  
 Sample Date Collected: 08/29/98 07:00:00

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	DL	ANALYZED	BY
OPH	SW846-8015	ND	MG/KG	2.0	09/05/98	SKW
STEX	SW846 8021			3.0		
BENZENE		ND	MG/KG	0.050	09/05/98	JLO
TOLUENE		ND	MG/KG	0.050	09/05/98	JLO
ETHYLBENZENE		ND	MG/KG	0.050	09/05/98	JLO
TOTAL XYLENES		ND	MG/KG	0.050	09/05/98	JLO
BFB (SURROGATE)		84	125	75		

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

APPROVED BY:

  
 TERRY KOESTER  
 LABORATORY DIRECTOR

**QWAL LABORATORIES, INC.**

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

**REFERENCE #:** 9809139

**LABORATORY REPORT:**

SENT **WILLIAMS FIELD SERVICE-MS4JI**  
TO: **P.O. BOX 58900**  
**SALT LAKE CITY, UTAH 84108**  
**MARK HARVEY**  
PROJECT: 98 PIT REMEDIATION (CRZ)

DATE REPORTED: 09/08/98  
DATE COLLECTED: 08/29/98  
DATE RECEIVED: 09/02/98

Reference Fraction: 9809139-28A 72160  
Sample ID: CRZ/27-5#29 V-EXWA-01 / 86434  
Sample Date Collected: 08/29/98 07:00:00

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	DL	ANALYZED	BY
TPH	SW846-8015	ND	MG/KG	2.0	09/05/98	SKW
BTEX	SW846 8021			3.0		
BENZENE		ND	MG/KG	0.050	09/05/98	JLO
TOLUENE		ND	MG/KG	0.050	09/05/98	JLO
ETHYLBENZENE		ND	MG/KG	0.050	09/05/98	JLO
TOTAL XYLENES		ND	MG/KG	0.050	09/05/98	JLO
BFB (SURROGATE)		88	125	75		

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

APPROVED BY:

  
TERRY KOESTER  
LABORATORY DIRECTOR

Q W A L L A B O R A T O R I E S, I N C.

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

LABORATORY REPORT:

REFERENCE #: 9809965

SENT WILLIAMS FIELD SERVICE-MS4JI  
TO: P.O. BOX 58900  
SALT LAKE CITY, UTAH 84108  
MARK HARVEY

DATE REPORTED: 10/06/98  
DATE COLLECTED: 09/24/98  
DATE RECEIVED: 09/30/98

PROJECT: PIT REMEDIATION 98

Reference Fraction: 9809965-23A

Sample ID: 27-5 #29-V-LF-01 / 72160

Sample Matrix: SOIL

Sample Date Collected: 09/24/98 09:55:00

TEST	METHOD	RESULT	UNITS	DL	ANALYZED	BY
TPH	SW846-8015	ND	MG/KG	2.0	10/03/98	SKW
BTEX	SW846 8021			3.0		
BENZENE		ND	MG/KG	0.050	10/04/98	JLO
TOLUENE		ND	MG/KG	0.050	10/04/98	JLO
ETHYLBENZENE		ND	MG/KG	0.050	10/04/98	JLO
TOTAL XYLENES		ND	MG/KG	0.050	10/04/98	JLO
BFB (SURROGATE)		109	125	75		

ND=NONE DETECTED

DL=DETECTION LIMIT

SU=STANDARD UNITS

B=DETECTED IN METHOD BLANK

APPROVED BY:

TERRY KOESTER  
LABORATORY DIRECTOR