

State of New Mexico  
Energy, Minerals and Natural Resources Department

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

OK 10/25/99  
20th Nov 1999  
**RECEIVED**  
DEC - 6 1999  
OIL CON. DIV.  
DIST. 3

see Letter

**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 #11 ( 71449 )  
Location: Unit or Qtr/Qtr Sec H Sec 27 T 27N R 5W County Rio Arriba  
PitType Drip  
LandType: BLM

Pit Location: Pit dimensions: length 18 ft., width 18 ft., depth 11 ft.  
(Attach diagram)

Reference: Wellhead

Footage from reference: 12 ft.

Direction from reference: 54 Degrees West 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)		

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) 0
irrigation canals and ditches)		

Ranking Score (TOTAL POINTS): 0

Date Remediation Started: 8/27/98

Date Completed: 8/27/98

Remediation Method: Excavation ☒

Approx. Cubic Yard 130

(check all appropriate  
sections)Landfarmed ☒

Insitu Bioremediation

Other

Landfarmed soil after mechanical aeration. LF Headspace 5ppm

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#11 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 11 feet

Sample date 8/29/98

Sample time 9:00

Sample Result

Benzene (ppm) &lt;0.050

Total BTEX (ppm) &lt;0.050

Field Headspace (ppm)

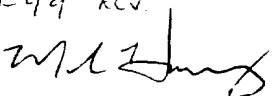
TPH (ppm) 27.6

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  
AND TITLE

Mark Harvey for Williams Field Services  
PROJECT COORDINATOR

# PIT RETIREMENT FORM

7H49

Date: 8/27/98

Weather                     

Well Name 55-27-5 #11 Operator BUGLINGTON

Sec 27 T 27N R 5W UL H

Land Type: BLM STATE FEE INDIAN

County RICARDO

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

Line Marking Evident? X N

## Pit Location:

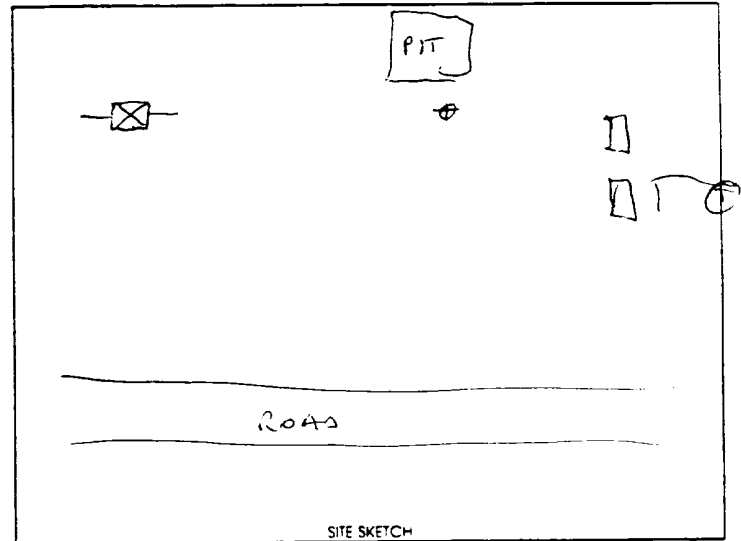
Reference Wellhead X Other                     

Distance from: 12'

Direction: 54 Degrees                      E N X  
of  
X W S                     

Starting Pit Dimensions                      x                      x                     

Final Pit Dimensions 18 x 18 x 11



SITE SKETCH

Organic Vapor Readings:	Start	Soil Description:
@ 2'	<u>                    </u>	<u>SILT CLAY</u>
@ 4'	<u>                    </u>	<u>                    </u>
@ 6'	<u>                    </u>	<u>                    </u>
@ 8'	<u>                    </u>	<u>                    </u>
@ <u>                    </u>	<u>                    </u>	<u>                    </u>
@ <u>11'</u>	<u>                    </u>	<u>                    </u>

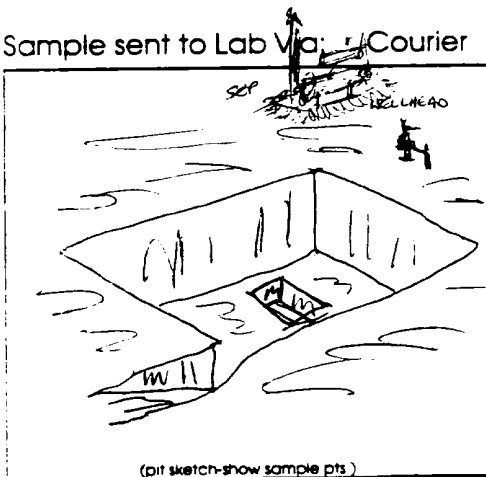
Well Proximity To: Residence, Domestic Water Well, Stock Well NONE  
Arroyo, Wash, Lake, Stream CARRIZO WASH ~ 400 YDS NORTH  
Estimated or Known Distance to Ground Water 75-100'

Source of Backfill (if other than processed material                     )

Samples collected: Type Progress: Verification: ID 27-5 #11-V-EXFL-01 soil / water  
Progress: Verification: ID 27-5 #11-V-EXWA-01 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: SITE LOCATED ~ 1 MILE FROM COTTONWOOD CROSSING -  
SLIGHT HYDROCARBON ODOR - EXCAVATED TO 8' WHERE ODOR DIMINISHED  
- CUT BACK SIDEWALLS - PROXIMITY TO WELLHEAD LIMITS LATERAL  
EXCAVATION IN THAT DIRECTION - WALLS GENERALLY CLEAN -

Soil Shipped to: ON-SITE / LF

Prepared by: M. Z...

## QWAL LABORATORIES, INC.

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

## LABORATORY REPORT:

REFERENCE #: 9809139

ENT 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: 9809139-17A  
Sample ID: CRZ/27-5#11 V-EXPL-01 / 71449  
Sample Date Collected: 08/29/98 09:00:00

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	DL	ANALYZED	BY
OPH	SW846-8015	27.6	MG/KG	2.0	09/05/98	SKW
PTX	SW846 8021			3.0		
BENZENE		ND	MG/KG	0.050	09/04/98	JLO
TOLUENE		ND	MG/KG	0.050	09/04/98	JLO
ETHYLBENZENE		ND	MG/KG	0.050	09/04/98	JLO
TOTAL XYLENES		ND	MG/KG	0.050	09/04/98	JLO
BFB (SURROGATE)		98	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 #: 9809139

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

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

PROJECT: 98 PIT REMEDIATION (CRZ)

Reference Fraction: 9809139-18A

Sample ID: CRZ/27-5#11 V-KWA-01 / 71449

Sample Matrix: SOIL

Sample Date Collected: 08/29/98 09:00:00

TEST	METHOD	RESULT	UNITS	DL	ANALYZED	BY
TPH	SW846-8015	175	MG/KG	2.0	09/05/98	SKW
BTEX	SW846 8021			3.0		
BENZENE		ND	MG/KG	0.050	09/05/98	JLO
TOLUENE		0.253	MG/KG	0.050	09/05/98	JLO
ETHYLBENZENE		0.118	MG/KG	0.050	09/05/98	JLO
TOTAL XYLENES		1.85	MG/KG	0.050	09/05/98	JLO
BFB (SURROGATE)		98	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: 9809965-12A

Sample ID: 27-5 #11-V-LF-01/ 71449

Sample Matrix: SOIL

Sample Date Collected: 09/24/98 10:20:00

TEST	METHOD	RESULT	UNITS	DL	ANALYZED	BY
TPH	SW846-8015	315	MG/KG	2.0	10/03/98	SKW
BTEX	SW846 8021			3.0		
BENZENE		ND	MG/KG	0.050	10/03/98	JLO
TOLUENE		ND	MG/KG	0.050	10/03/98	JLO
ETHYLBENZENE		ND	MG/KG	0.050	10/03/98	JLO
TOTAL XYLENES		0.151	MG/KG	0.050	10/03/98	JLO
BFB (SURROGATE)		101	125	75		

ND=NONE DETECTED

DL=DETECTION LIMIT

SU=STANDARD UNITS

B=DETECTED IN METHOD BLANK

APPROVED BY:

TERRY KOESTER  
LABORATORY DIRECTOR