

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**

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 #31 PC ( 72284 )  
Location: Unit or Qtr/Qtr Sec A Sec 24 T 27N R 5W County Rio Arriba  
PitType Dehydrator  
LandType: BLM

Pit Location: Pit dimensions: length 15 ft., width 15 ft., depth 7 ft.  
(Attach diagram)

Reference: Wellhead

Footage from reference: 206 ft.

Direction from reference: 40 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: 8/26/98

Date Completed: 8/26/98

Remediation Method: Excavation ☒

Approx. Cubic Yard 60

(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. Returned to site 2/16/00 and advanced sampling probe to 10' to collect sample. Results: TPH ND BTEX ND

Ground Water Encountered: No

Final Pit:

Sample location 27-5#31PC 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 7 feet

Sample date 8/28/98

Sample time 13:00

Sample Result

Benzene (ppm) &lt;0.050

Total BTEX (ppm) &lt;0.050

Field Headspace (ppm)

TPH (ppm) &lt;2.0

Ground Water Sample: 0

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

DATE 3-7-00 RW.

SIGNATURE

PRINTED NAME Mark Harvey for Williams Field Services  
AND TITLE

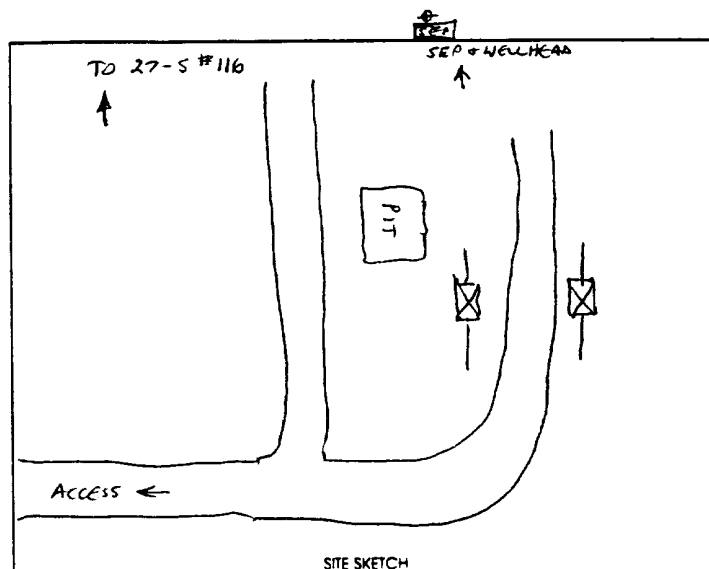
# PIT RETIREMENT FORM

Date: 8/26/98 Weather                       
 Well Name 27-5 #31 PC Operator BURLINGTON Sec 24 T 27N R SW UL A  
 Land Type: BLM STATE FEE INDIAN County RIO ARriba  
 One Call Made (505-765-1234)? ☒ N  
 Line Marking Evident? ☒ N

## Pit Location:

Reference Wellhead ☒ Other                       
 Distance from: 206'  
 Direction: 40 Degrees ☒ E ☒ N ☒ S  
 of                      W                     

Starting Pit Dimensions NA x TANK x SET  
 Final Pit Dimensions 15' x 15' x 7'



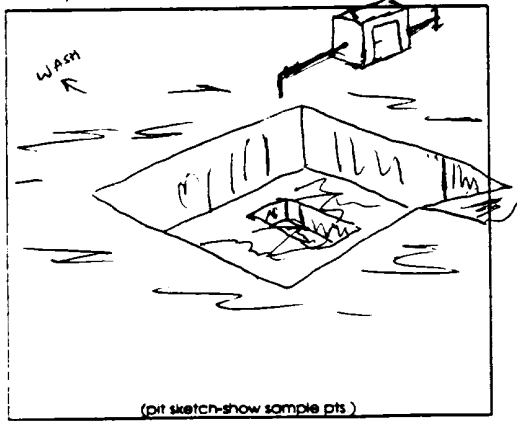
Organic Vapor Readings: Start                      Soil Description: SILTY SAND  
 @ 2'                                            
 @ 4'                                            
 @ 6'                                            
 @ 8' 7'                                            
 @                                            
 @                                          

Well Proximity To: Residence, Domestic Water Well, Stock Well NONE  
 Arroyo, Wash, Lake, Stream WASH ~ 250 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 27-4 #31 PC-V-EX WA-01 soil/ water  
 Progress: Verification: ID 27-4 #31 PC-V-EX FL-01 soil/ water  
 Progress: Verification: ID                      soil / water

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



Comments: TAKE DOWN FENCE - MOVE TANK - EXCAVATE SOIL -  
SOIL HAS LITTLE TO NO STANDING - EXCAVATE SOIL TO 7' - FLOOR CLEAN -  
PLACE SOIL SOUTH OF PIT -  
                      
                      
                      
                    

Soil Shipped to: ON-SITE / LE  
 Prepared by:

## QWAL LABORATORIES, INC.

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

## LABORATORY REPORT:

REFERENCE #: 8402596

SENT WILLIAMS FIELD SERVICE  
TO: 295 CHIPETA WAY  
SALT LAKE CITY, UTAH 84158  
MARK HARVEY  
PROJECT: WFS/NM-PITS

DATE REPORTED: 02/23/00  
DATE COLLECTED: 02/16/00  
DATE RECEIVED: 02/18/00

Reference Fraction: 8402596-08A  
Sample ID: SJ27-5 31PC-EX-RS-01(72284  
Sample Date Collected: 02/16/00 12:13:00

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED	BY
TPH-DRO	SW846-8015D	ND	MG/KG	2	02/22/00	BEM
BTEX	OA1/8021B			3.0		
BENZENE		ND	MG/KG	0.050	02/21/00	KKL
TOLUENE		ND	MG/KG	0.050	02/21/00	KKL
ETHYLBENZENE		ND	MG/KG	0.050	02/21/00	KKL
TOTAL XYLENES		ND	MG/KG	0.050	02/21/00	KKL
BFB (SURROGATE)		105	125	75		

ND=NONE DETECTED

PQL=PRACTICAL QUANTITATION LIMIT

SU=STANDARD UNITS

B=DETECTED IN METHOD BLANK

APPROVED BY: T. KOESTER

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:** 08/28/98  
**DATE RECEIVED:** 09/02/98

**PROJECT:** 98 PIT REMEDIATION (CRZ)

**Reference Fraction:** 9809139-19A

**Sample ID:** CRZ/27-4#31PC V-EXWA-01 / 72284

**Sample Matrix:** SOIL

**Sample Date Collected:** 08/28/98 13:00:00

TEST	METHOD	RESULT	UNITS	DL	ANALYZED	BY
PH	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)		89	125	75		

D=NONE DETECTED

L=DETECTION LIMIT

U=STANDARD UNITS

=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

## 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: 08/28/98  
DATE RECEIVED: 09/02/98

PROJECT: 98 PIT REMEDIATION (CRZ)

Reference Fraction: 9809139-20A  
Sample ID: CRZ/27-4#31PC V-EXFL-01 / 72284  
Sample Date Collected: 08/28/98 13:00:00

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	DL	ANALYZED	BY
PH	SW846-8015	ND	MG/KG	2.0	09/05/98	SKW
TEX	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: 9809965-28A  
 Sample ID: 27-5 #31-V-LF-01 / 72284  
 Sample Date Collected: 09/24/98 10:05:00

Sample Matrix: SOIL

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)		81	125	75		

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

APPROVED BY: \_\_\_\_\_

*Terry Koester*  
 TERRY KOESTER  
 LABORATORY DIRECTOR