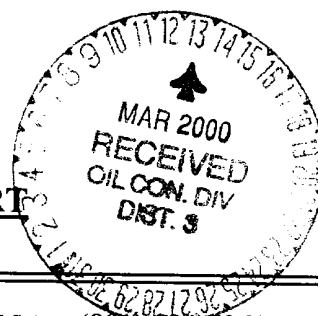


State of New Mexico
Energy, Minerals and Natural Resources Department

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 #74 (86441)
Location: Unit or Qtr/Qtr Sec O Sec 23 T 27N R 5W County Rio Arriba
PitType Drip
LandType: BLM

Pit Location: Pit dimensions: length 17 ft., width 15 ft., depth 11 ft.
(Attach diagram)

Reference: Wellhead

Footage from reference: 100 ft.

Direction from reference: 178 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)
high water elevation of		<u>10</u>
ground water)		

Wellhead Protection Area:	Yes	(20 points)
(Less than 200 feet from a private	No	(0 points)
domestic water source, or; less than		<u>0</u>
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)
irrigation canals and ditches)		<u>0</u>

Ranking Score (TOTAL POINTS): 10

Date Remediation Started: 8/27/98

Date Completed: 8/27/98

Remediation Method: Excavation ☒
(check all appropriate
sections)

Approx. Cubic Yard 100

Landfarmed ☒Insitu Bioremediation ☐

Other

Landfarmed soil after mechanical aeration. LF Headspace 3ppm

Remediation Location: Onsite ☒ Offsite(is 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 14' to collect sample. Results: TPH ND BTEX ND

Ground Water Encountered: No

Final Pit:

Sample location 27-5#74 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 7:30

Sample Result

Benzene (ppm) <0.050

Total BTEX (ppm) <0.050

Field Headspace (ppm)

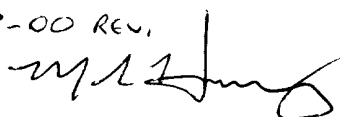
TPH (ppm) 55.6

Ground Water Sample: No

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

DATE 3-7-00 REV.

SIGNATURE



PRINTED NAME Mark Harvey for Williams Field Services
AND TITLE

PIT RETIREMENT FORM

86441

Date: 8/27/98

Weather

Well Name 55-27-5#74 Operator BURLINGTON Sec 23 T 27N R 5W UL 0

Land Type: BLM STATE FEE INDIAN County RIO ARIZONA

One Call Made (505-765-1234)? ☒ N

Line Marking Evident? ☒ N

Pit Location:

Reference Wellhead ☒ Other

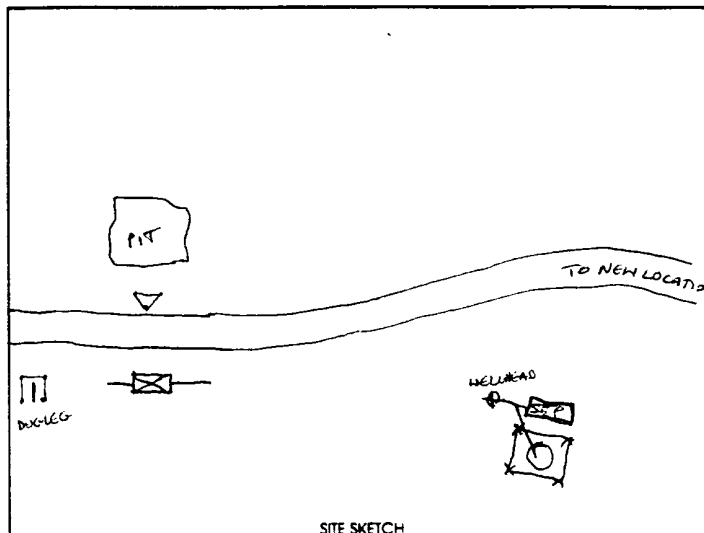
Distance from: 100'

Direction: 178 Degrees ☒ E ☒ N ☒ S

of W

Starting Pit Dimensions 12' x 13' x 3'

Final Pit Dimensions 15' x 17' x 11'



Organic Vapor Readings: Start Soil Description: CLAYEY SILT

@ 2'
 @ 4'
 @ 6'
 @ 8'
 @
 @

SILTY CLAY

Well Proximity To: Residence, Domestic Water Well, Stock Well

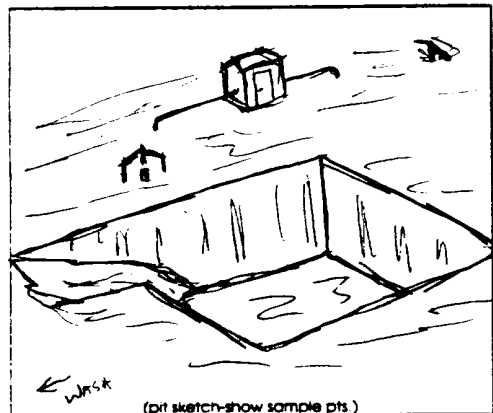
Arroyo, Wash, Lake, Stream WASH ~ 1/3 MILE NORTH

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 #74-V-FXFL-01 soil / water
 Progress: Verification: ID 27-5 #74-V-FXWA-01 soil / water
 Progress: Verification: ID soil / water

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



Comments: DEHY UNIT REMOVED - SLIGHTLY STAINING SOIL NEAR SURFACE
EXCAVATE + LANDFARM WEST OF PIT - WALLS CLEAN UP GOOD - FLOOR
CLEAN - CUT TERRACE - RAMP + DIRM

Soil Shipped to: ON-SITE

Prepared by: M. [Signature]

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 #:** 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: 8402596-07A
Sample ID: SJ27-5 74-EX-RS-01(86441)
Sample Date Collected: 02/16/00 11:42:00

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)		109	125	75		

ND=NONE DETECTED

PQL=PRACTICAL QUANTITATION LIMIT

SU=STANDARD UNITS

B=DETECTED IN METHOD BLANK

APPROVED BY: TKOESTER

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: 9809139-21A

Sample ID: CRZ/27-5#74 V-EKWA-01 / 86441

Sample Matrix: SOIL

Sample Date Collected: 08/29/98 07:30:00

TEST	METHOD	RESULT	UNITS	DL	ANALYZED	BY
TPH	SW846-8015	17.6	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)		83	125	75		

ND-NONE DETECTED

DL-DETECTION LIMIT

SU-STANDARD UNITS

B-DETECTED IN METHOD BLANK

APPROVED BY:


PERRY KOESTER
LABORATORY DIRECTOR

QUAL LABORATORIES, INC.

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

LABORATORY REPORT:

REFERENCE #: 9809139

CLIENT: 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: 9809139-22A
Sample ID: CRZ/27-5#74 V-EXFL-01 / 86441
Sample Date Collected: 08/29/98 07:30:00

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	DL	ANALYZED BY
PH	SW846-8015	55.6	MG/KG	2.0	09/05/98 SKW
PTX	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)		81	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: 9809965-19A

Sample ID: 27-5 #74-V-LF-01 / 86441

Sample Matrix: SOIL

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

TEST	METHOD	RESULT	UNITS	DL	ANALYZED	BY
TPH	SW846-8015	131	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		ND	MG/KG	0.050	10/03/98	JLO
BFB (SURROGATE)		108	125	75		

ND=NONE DETECTED

DL=DETECTION LIMIT

SU=STANDARD UNITS

B=DETECTED IN METHOD BLANK

APPROVED BY:

TERRY KOESTER
LABORATORY DIRECTOR