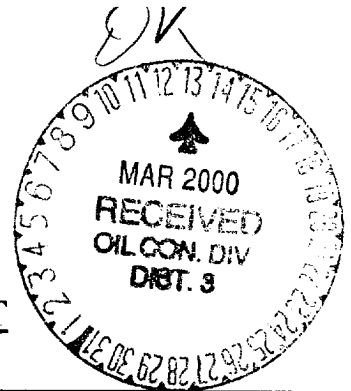


State of New Mexico
Energy, Minerals and Natural Resources Department

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 27-4 UNIT #121A **I** (85886)
Location: Unit or Qtr/Qtr Sec J Sec 18 T 27N R 4W County Rio Arriba
PitType Dehydrator
LandType: BLM

Pit Location: Pit dimensions: length 17 ft., width 16 ft., depth 12 ft.
(Attach diagram)

Reference: Wellhead

Footage from reference: 74 ft.

Direction from reference: 200 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 120

(check all appropriate sections)

Landfarmed ☒Insitu Bioremediation ☐

Other LF Headspace 1ppm

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 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 27-4#121A 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 12 feet

Sample date 8/28/98

Sample time 10:00

Sample Result

Benzene (ppm) <0.050

Total BTEX (ppm) 2.409

Field Headspace (ppm)

TPH (ppm) 128

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

85886

Date: 8/26/98

Weather SUNNY

Well Name SS 27-4 #121A Operator BURLINGTON

Sec 18 T 27N R 4W UL J

Land Type: BLM STATE FEE INDIAN

County REG ARIZONA

One Call Made (505-765-1234)? ☒ Y ☐ N

Line Marking Evident? ☒ Y ☐ N

Pit Location:

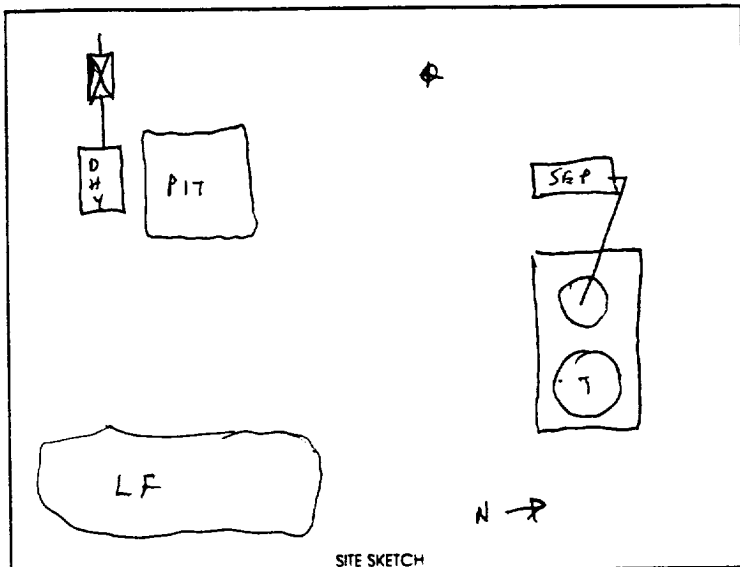
Reference Wellhead ☒ Other ☐

Distance from: 74'

Direction: 200 Degrees ☒ E ☐ N ☒ of
☐ W ☐ S

Starting Pit Dimensions NA x TANK x SET

Final Pit Dimensions 17 x 16 x 12



Organic Vapor Readings: Start
 @ 2'
 @ 4'
 @ 6'
 @ 8'
 @
 @

Soil Description: SILTY SAND
" "
" "
" " w/CLAY
SILTY CLAY
SILTY CLAY

Well Proximity To: Residence, Domestic Water Well, Stock Well NONE

Arroyo, Wash, Lake, Stream WASH - 200 YDS N

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#121A-V-EXFL-01 soil / water
 Progress: Verification: ID 27-4#121A-V-EXWA-01 soil / water
 Progress: Verification: ID soil / water

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



Comments: MOVE TANK + TAKE DOWN FENCE - SOME PARAFIN IN PIT -
EXCAVATE + LANDFARM - SOME STANDING @ 4-7' ON DEHY WALL
SLIGHT STANDING ON WEST + SOUTH WALLS - FLOOR HAS SLIGHT HYDROCARBON
ODOR - LANDFARM EAST OF PIT - CUT TERRACE - RAMP + GERM - (NO SHRED)

Soil Shipped to: ON-SITE LF

Prepared by: M. J. [Signature]

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: 8402596-09A
Sample ID: SJ27-4 121A-EX-RS-01(85886
Sample Date Collected: 02/16/00 12:50:00

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED	BY
TPH-DRO	SW846-8015D	ND	MG/KG	2	02/22/00	BEM
BTEX	OAL/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
PROJECT: 98 PIT REMEDIATION (CRZ)

DATE REPORTED: 09/08/98
DATE COLLECTED: 08/28/98
DATE RECEIVED: 09/02/98

Reference Fraction: 9809139-13A

Sample ID: CRZ/27-4#121A V-EXWA-01 / 85886

Sample Matrix: SOIL

Sample Date Collected: 08/28/98 10:00:00

TEST	METHOD	RESULT	UNITS	DL	ANALYZED	BY
TPH	SW846-8015	34.2	MG/KG	2.0	09/05/98	SKW
BTEX	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)		90	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
PROJECT: 98 PIT REMEDIATION (CRZ)

DATE REPORTED: 09/08/98
DATE COLLECTED: 08/28/98
DATE RECEIVED: 09/02/98

Reference Fraction: 9809139-14A

Sample ID: CRZ/27-4#121A V-EXFL-01 / 85886

Sample Matrix: SOIL

Sample Date Collected: 08/28/98 10:00:00

TEST	METHOD	RESULT	UNITS	DL	ANALYZED	BY
TPH	SW846-8015	128	MG/KG	2.0	09/05/98	SKW
BTEX	SW846 8021			3.0		
BENZENE		ND	MG/KG	0.050	09/04/98	JLO
TOLUENE		0.367	MG/KG	0.050	09/04/98	JLO
ETHYLBENZENE		0.132	MG/KG	0.050	09/04/98	JLO
TOTAL XYLENES		1.91	MG/KG	0.050	09/04/98	JLO
BFB (SURROGATE)		119	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: 9809965-36A
Sample ID: 27-4 #121A-V-LF-01/85886
Sample Date Collected: 09/24/98 09:45:00

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	DL	ANALYZED	BY
TPH	SW846-8015	40.0	MG/KG	2.0	10/03/98	SKW
BTEX	SW846 8021			3.0		
BENZENE		ND	MG/KG	0.050	10/05/98	JLO
TOLUENE		ND	MG/KG	0.050	10/05/98	JLO
ETHYLBENZENE		ND	MG/KG	0.050	10/05/98	JLO
TOTAL XYLENES		ND	MG/KG	0.050	10/05/98	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