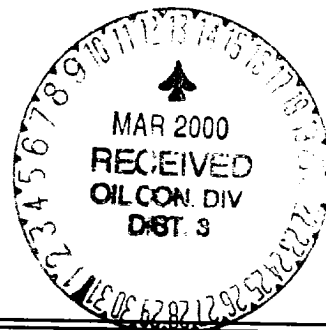


State of New Mexico
Energy, Minerals and Natural Resources Department

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 #152 (85793)
Location: Unit or Qtr/Qtr Sec K Sec 3 T 27N R 4W County Rio Arriba
PitType Drip
LandType Forest

Pit Location: Pit dimensions: length 16 ft., width 15 ft., depth 8 ft.
(Attach diagram)

Reference: Wellhead

Footage from reference: 62 ft.

Direction from reference: 148 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) 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: 8/25/98

Date Completed: 8/25/98

Remediation Method: Excavation ☒
(check all appropriate sections)

Approx. Cubic Yard 70

Landfarmed ☒Insitu Bioremediation ☐

Other

Landfarmed soil after mechanical aeration. LF Headspace 0 ppm

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 10.5' to collect sample. Results: TPH ND BTEX ND

Ground Water Encountered: No

Final Pit:

Closure Sampling:

(if multiple samples, attach
sample results and diagram
of sample locations and
depths)

Sample location 27-4#152 V-EXFL-01

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 8 feet

Sample date 8/27/98

Sample time 8:00

Sample Result

Benzene (ppm) <0.050

Total BTEX (ppm) <0.050

Field Headspace (ppm)

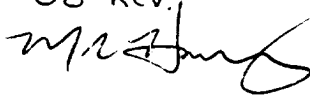
TPH (ppm) 10.1

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
85793

Date: 8/25/98

Well Name 55-27-4 #152 Operator BURLINGTON

Weather_____

Land Type: ~~BLM~~ STATE FEE INDIAN

Sec 3 T 27N R 4W UL K

One Call Made (505-765-1234)? ☒ Y ☐ N

Line Marking Evident? (Y) N

Pit Location:

Reference Wellhead X Other

Distance from: 62'

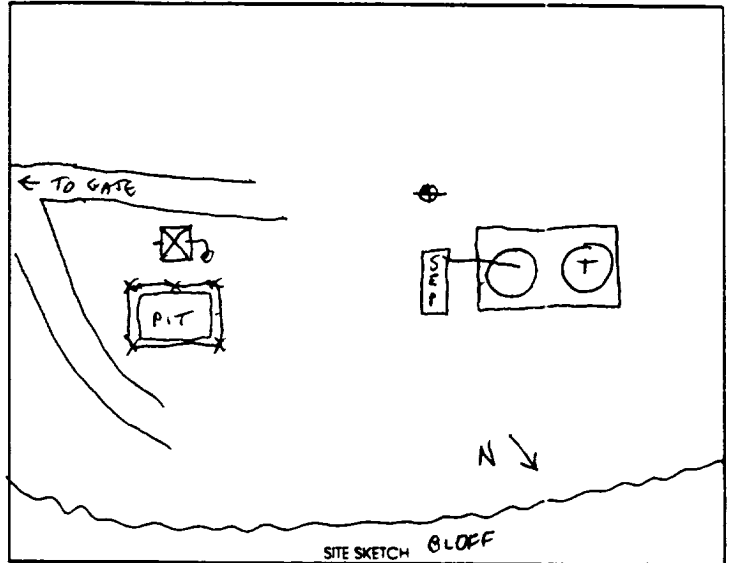
Direction: 148 Degrees X E N X

of

_____W S_____

Starting Pit Dimensions 13' x 12' x 3'

Final Plt Dimensions 16' x 15' x 8'



Organic Vapor Readings: Start

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

Soil Description: CLAYEY SILT

CLAYEY SILT

W/ROCK

SIXTY CLAY w/ ROCK

76 11 11

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

Arroyo, Wash, Lake, Stream WASH ~ 40 YDS WEST ~ 30' LOWER ELEVATION

Estimated or Known Distance to Ground Water >100'

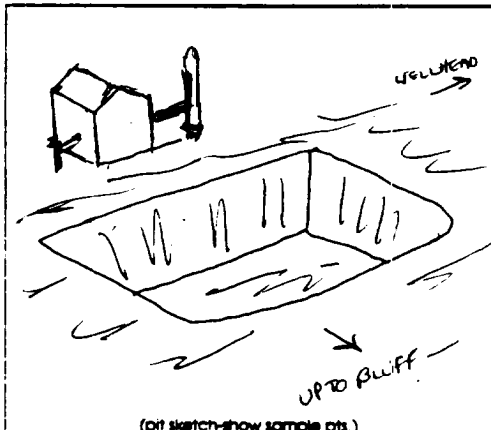
Source of Backfill (if other than processed material) _____

Samples collected: Type Progress: Verification: ID 27-4 #152-V-EXFL-01 soil / water

Progress: Verification: ID 27-4#152 V-EXWA-01 soil / water

Progress: Verification: ID _____ soil / water

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



Comments: BEHIND LOCKED GATE PAST P + A/D SITE — EXC NATE

SILTY CLAY MATERIAL — SOIL IS MODERATELY STAINED TO 5' — VISUALLY

CLEAN Q6' — FLOOR & WALLS CLEAN UP GOOD —

Soil Shipped to: ON-SITE LF

Prepared by: M. A. [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: 8402596-11A
Sample ID: SJ27-4 152-EX-RS-01(85793)
Sample Date Collected: 02/16/00 14:15:00

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)		103	125	75		

ND-NONE DETECTED

PQL-PRACTICAL QUANTITATION LIMIT

SU-STANDARD UNITS

B-DETECTED IN METHOD BLANK

APPROVED BY: TROESTER

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: 08/27/98
DATE RECEIVED: 09/02/98

PROJECT: 98 PIT REMEDIATION (CRZ)

Reference Fraction: 9809139-35A

Sample ID: CRZ/27-4#152 V-EXFL-01 / 85793

Sample Date Collected: 08/27/98 08:00:00

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	DL	ANALYZED	BY
TPH	SW846-8015	10.1	MG/KG	2.0	09/05/98	SKW
BTEX	SW846 8021			3.0		
BENZENE		ND	MG/KG	0.050	09/06/98	JLO
TOLUENE		ND	MG/KG	0.050	09/06/98	JLO
ETHYLBENZENE		ND	MG/KG	0.050	09/06/98	JLO
TOTAL XYLENES		ND	MG/KG	0.050	09/06/98	JLO
BFB (SURROGATE)		84	125	75		

=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: 08/27/98
 DATE RECEIVED: 09/02/98

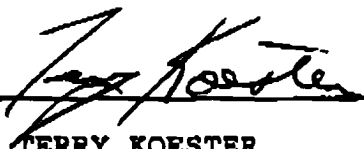
Reference Fraction: 9809139-36A
 Sample ID: CRZ/27-4#152 V-EXWA-01 / 85793
 Sample Date Collected: 08/27/98 08:00:00

Sample Matrix: SOIL

EST	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	09/06/98	JLO
TOLUENE		ND	MG/KG	0.050	09/06/98	JLO
ETHYLBENZENE		ND	MG/KG	0.050	09/06/98	JLO
TOTAL XYLENES		ND	MG/KG	0.050	09/06/98	JLO
BFB (SURROGATE)		93	125	75		

ND-NONE DETECTED
 DL-DETECTION LIMIT
 SU-STANDARD UNITS
 3-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 #: 9811174

SENT WILLIAMS FIELD SERVICE
TO: 295 CHIPETA WAY
SALT LAKE CITY, UTAH 84158
MARK HARVEY

DATE REPORTED: 11/12/98
DATE COLLECTED: 11/03/98
DATE RECEIVED: 11/06/98

PROJECT: CRZ PITS '98

Reference Fraction: 9811174-12A

Sample ID: SJ 27-4 #152-V-LF-01

Sample Matrix: SOIL

Sample Date Collected: 11/03/98 16:50:00

TEST	METHOD	RESULT	UNITS	DL	ANALYZED	BY
TPH	SW846-8015	ND	MG/KG	2.0	11/11/98	SKW

ND=NONE DETECTED

DL=DETECTION LIMIT

SU=STANDARD UNITS

B=DETECTED IN METHOD BLANK

APPROVED BY:


TERRY KOESTER
LABORATORY DIRECTOR