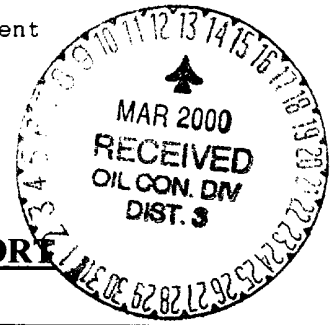


State of New Mexico
Energy, Minerals and Natural Resources Department

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 #75 (73342)
Location: Unit or Qtr/Qtr Sec M Sec 23 T 27N R 5W County Rio Arriba
PitType Drip
LandType: BLM

Pit Location: Pit dimensions: length 12 ft., width 12 ft., depth 7 ft.

(Attach diagram)

Reference: Wellhead

Footage from reference: 105 ft.

Direction from reference: 52 Degrees West of North

Depth To Ground Water:

(Vertical distance from
contaminants to seasonal
high water elevation of
ground water)

Less than 50 feet	(20 points)
50 feet to 99 feet	(10 points)
Greater than 100 feet	(0 points) <u>0</u>

Wellhead Protection Area:

(Less than 200 feet from a private
domestic water source, or; less than
1000 feet from all other water sources)

Yes	(20 points)
No	(0 points) <u>0</u>

Distance To Surface Water:

(Horizontal distance to perennial
lakes, ponds, rivers, streams, creeks,
irrigation canals and ditches)

Less than 200 feet	(20 points)
200 feet to 1,000 feet	(10 points)
Greater than 1,000 feet	(0 points) <u>0</u>

Ranking Score (TOTAL POINTS): 0

Date Remediation Started: 8/27/98

Date Completed: 8/27/98

Remediation Method: Excavation ☒
(check all appropriate sections)

Approx. Cubic Yard 40

Landfarmed ☒Insitu Bioremediation ☐

Other

Landfarmed soil after mechanical aeration. LF Headspace 8ppm

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

Ground Water Encountered: No

Final Pit:

Sample location SJ 27-5 #75-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 8/29/98

Sample time 8:00

Sample Result

Benzene (ppm) <0.050

Total BTEX (ppm) <0.050

Field Headspace (ppm)

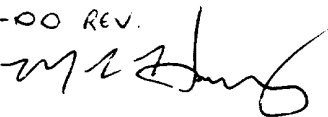
TPH (ppm) 22

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

73342

Date: 8/27/98

Weather _____

Well Name ST 27-5 #75 Operator BURLINGTON Sec 23 T 22N R 5W UL M

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 _____

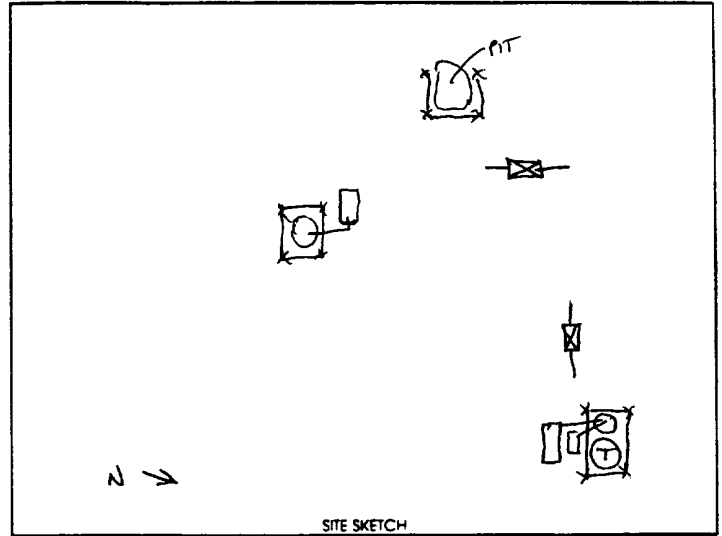
Distance from: 105'

Direction: 52 Degrees _____ E N ☒

of
☒ W S _____

Starting Pit Dimensions 12' x 12' x 2'

Final Pit Dimensions 12' x 12' x 6 1/2'



SITE SKETCH

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

Soil Description: SILTY SAND

Well Proximity To: Residence, Domestic Water Well, Stock Well > 1 mile

Arroyo, Wash, Lake, Stream WASH ~ 150 YDS NORTH

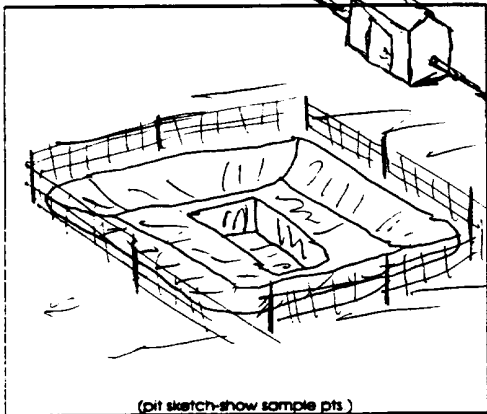
Estimated or Known Distance to Ground Water 50-100'

Source of Backfill (if other than processed material) _____

Samples collected: Type Progress: Verification: ID 27-5 #75-U-EXFL-01 soil / water
Progress: Verification: ID 27-5 #75-U-EKWA-01 soil / water
Progress: Verification: ID _____ soil / water

Sample sent to Lab Via: Courier

Hand Carried Other _____ Preservative: ICE Other _____



(pit sketch-show sample pits)

Comments: FIRST LOCATION SOUTH OF COTTONWOOD CREEK — ON SAME
WELL PAD AS 27-5 #16 — LITTLE TO DO NOW — NO STANDING — CUT
TRENCH TO 6 1/2' — STOCKPILE MATERIAL —

Soil Shipped to: _____

Prepared by: M. HARVEY

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: 8402596-06A
Sample ID: SJ27-5#75-EX-RS-01(73342)
Sample Date Collected: 02/16/00 11:00:00

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



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

PROJECT: 98 PIT REMEDIATION (CRZ)

Reference Fraction: 9809139-03A

Sample ID: CRZ/27-5#75 V-EXMA-01 / 73342

Sample Matrix: SOIL

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

TEST	METHOD	RESULT	UNITS	DL	ANALYZED	BY
TPH	SW846-8015	ND	MG/KG	2.0	09/04/98	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)		75	125	75		

ND=NONE DETECTED

DL=DETECTION LIMIT

SU=STANDARD UNITS

B=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

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: 9809139-02A

Sample ID: CRZ/27-5#75 V-EXFL-01 / 73342
Sample Date Collected: 08/29/98 08:00:00

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	DL	ANALYZED BY
SAMPLE RECEIVED BROK	NONE			NONE	

ID-NONE DETECTED
DL-DETECTION LIMIT
SU-STANDARD UNITS
N-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

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: 9809139-01A
Sample ID: CRZ/27-5#75 V-LP-01 / 73342
Sample Date Collected: 08/29/98 08:00:00 HS 8

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	DL	ANALYZED	BY
PH	SW846-8015	ND	MG/KG	2.0	09/04/98	SKW

ND-NONE DETECTED
DL-DETECTION LIMIT
SU-STANDARD UNITS
N-DETECTED IN METHOD BLANK

APPROVED BY:


TERRY KOESTER
LABORATORY DIRECTOR