

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: Williams Production Co. (Williams Field Services) Telephone: (801) 584-6361
Address: P.O. Box 58900, Salt Lake City, Utah 84158-0900
WellName: ROSA #101 GL (85883)
Location: Unit or Qtr/Qtr Sec ✓ Sec 24 T 31N R 6W County Rio Arriba
PitType Dehydrator
LandType: Fee

Pit Location: Pit dimensions: length 14 ft., width 14 ft., depth 6 ft.
(Attach diagram)

Reference: Wellhead

Footage from reference: 123 ft.

Direction from reference: 10 Degrees East of South

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>0</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): 0

Date Remediation Started: 9/1/99

Date Completed: 9/24/99

Remediation Method: Excavation ☒

Approx. Cubic Yard 44

(check all appropriate sections)

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.

Ground Water Encountered: No

Final Pit:

Sample location ROSA GL-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 6 feet

Sample date 9/1/99

Sample time 15:14

Sample Result

Benzene (ppm) <0.05

Total BTEX (ppm) <0.05

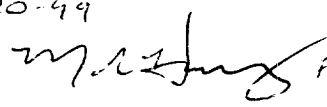
Field Headspace (ppm)

TPH (ppm) <2.0

Ground Water Sample: No

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

DATE 12-20-99

SIGNATURE  FOR WFSPRINTED NAME Mark Harvey for Williams Field Services
AND TITLE

PIT RETIREMENT FORM

85883

Date: 9-1-99

Weather CLOY, WARM

Well Name Rosa #101 GL Operator WPX

Sec 24 T 31N R 6W UL

Land Type: BLM STATE FEE INDIAN

County Rio Arriba

One Call Made (505-765-1234)? Y N

Line Marking Evident? Y N

Pit Location:

Reference Wellhead X Other

Distance from: 123

Direction: 10° Degrees X E N

BAG = 170° of S X
W

Starting Pit Dimensions 14 x 14 x 2

Final Pit Dimensions 14 x 14 x 6

SEE ROSA #101 DK

SITE SKETCH

Organic Vapor Readings: Start N/A

Soil Description:

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

0-3' (7.5YR 4/4-4/6) BRN, CLAYEY SILT
3'-6' (7.5YR 4/1) GRAY mudstone, WEAKLY
INDURATED.

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

Arroyo, Wash, Lake, Stream >100'

Estimated or Known Distance to Ground Water >100'

Source of Backfill (If other than processed material)

Samples collected: Type

Progress: Verification:

ID Rosa #101 GL - V-EXWA-01

soil / water

Progress: Verification:

ID Rosa #101 GL - V-EXFL-01

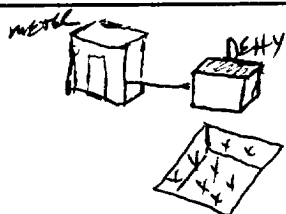
soil / water

Progress: Verification:

ID soil / water

Sample sent to Lab Via: Courier

Hand Carried Other Preservative ICE Other



(pit sketch-show sample pts.)

Comments: EXCAVATED & SHREDED MATERIAL, LAYED
OUT PROCESSED MATERIAL IN ON-SITE LF.
ENCOUNTERED BEDROCK @ 6' bgs (GRAY mudstone)

Soil Shipped to: ON-SITE LF

Prepared by: JPS

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 #: 9909146

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

DATE REPORTED: 09/27/99
DATE COLLECTED: 09/01/99
DATE RECEIVED: 09/03/99

Reference Fraction: 9909146-07A
Sample ID: ROSA 101 GL-V-EFXL-01
Sample Date Collected: 09/01/99 15:14:00

85883

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED	BY
TPH-DRO	SW846-8015D	ND	MG/KG	2	09/11/99	BEM
BTEX	OA1/8021B			3.0		
BENZENE		ND	MG/KG	0.050	09/08/99	KKL
TOLUENE		ND	MG/KG	0.050	09/08/99	KKL
ETHYLBENZENE		ND	MG/KG	0.050	09/08/99	KKL
TOTAL XYLENES		ND	MG/KG	0.050	09/08/99	KKL
BFB (SURROGATE)		99	125	75		

ND=NONE DETECTED

PQL=PRACTICAL QUANTITATION 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 #: 9909146

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

DATE REPORTED: 09/27/99
DATE COLLECTED: 09/01/99
DATE RECEIVED: 09/03/99

PROJECT: NM PITS

Reference Fraction: 9909146-08A
Sample ID: ROSA 101GL-V-EXWA-01
Sample Date Collected: 09/01/99 15:20:00

85883

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED	BY
TPH-DRO	SW846-8015D	ND	MG/KG	2	09/11/99	BEM
BTEX	OA1/8021B			3.0		
BENZENE		ND	MG/KG	0.050	09/08/99	KKL
TOLUENE		ND	MG/KG	0.050	09/08/99	KKL
ETHYLBENZENE		ND	MG/KG	0.050	09/08/99	KKL
TOTAL XYLENES		ND	MG/KG	0.050	09/08/99	KKL
BFB (SURROGATE)		108	125	75		

ND=NONE DETECTED

PQL=PRACTICAL QUANTITATION 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 #: 9909865

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

DATE REPORTED: 09/27/99
DATE COLLECTED: 09/24/99
DATE RECEIVED: 09/25/99

Reference Fraction: 9909865-05A
Sample ID: ROSA 101GL-V-LF-01/85883
Sample Date Collected: 09/24/99 09:15:00

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED	BY
TOTAL PETROLEUM HYDR	EPA 418.1	ND	MG/KG	10.0	09/27/99	BEM

ND-NONE DETECTED
PQL-PRACTICAL QUANTITATION LIMIT
SU-STANDARD UNITS
B-DETECTED IN METHOD BLANK

APPROVED BY:


PERRY KOESTER
LABORATORY DIRECTOR