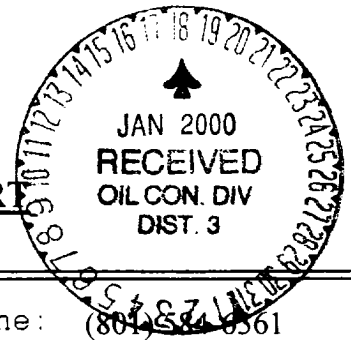


State of New Mexico
Energy Minerals and Natural Resources Department

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) 584-8561
Address: P.O. Box 58900, Salt Lake City, Utah 84158-0900
WellName: Rosa #43 (85162-S)
Location: Unit or Qtr/Qtr Sec J Sec 19 T 31N R 4W County Rio Arriba
PitType Separator
LandType: Forest

Pit Location: Pit dimensions: length 25 ft., width 16 ft., depth 8 ft.
(Attach diagram)

Reference: Wellhead

Footage from reference: 100 ft.

Direction from reference: 40 Degrees West 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: 12/11/99

Date Completed: 12/14/99

Remediation Method: Excavation ☒

Approx. Cubic Yard 119

(check all appropriate
sections)Landfarmed ☒

Insitu Bioremediation

Other

Landfarmed soil after mechanical aeration. LF PID 2 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 43-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 8 feet

Sample date 12/11/99

Sample time 10:03

Sample Result

Benzene (ppm) <0.05

Total BTEX (ppm) <0.05

Field Headspace (ppm)

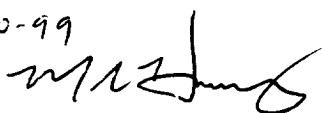
TPH (ppm) 5

Ground Water Sample: No

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

DATE 12-30-99

SIGNATURE



PRINTED NAME Mark Harvey for Williams Field Services
AND TITLE

PIT RETIREMENT FORM

Date: 12/11/99
 Well Name: ROSA #43
 and Type: BLM STATE FEE
 One Call Made (505-765-1234)?
 Line Marking Evident? 1800 321 2537

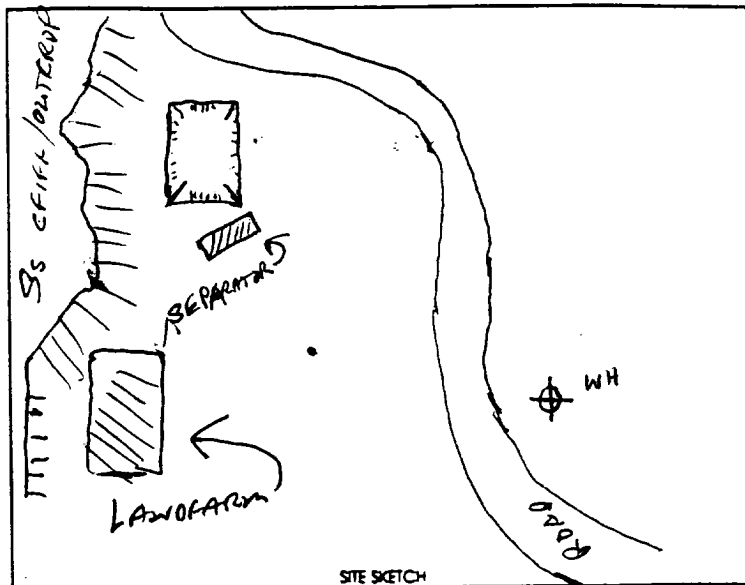
Operator: WPX Sec: 19
 T: 31N R: 4W UL: UL
 County: RIO ARRIBA

85162-S
 Weather: PTLY CLOUDY, COOL 35°F

Pit Location:

Reference: Wellhead X Other:
 Distance from: 100'
 Direction: 40 Degrees E N X
X of W S

Starting Pit Dimensions: 25 x 16 x 3'
 Final Pit Dimensions: 25 x 16 x 8'



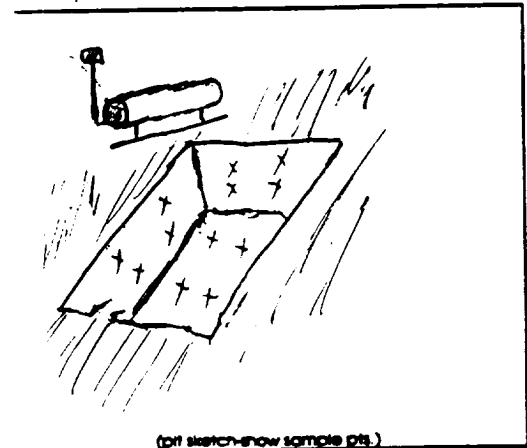
Organic Vapor Readings: Start N/A Soil Description: MOO-DRK BRN CLAYEY SILT, MPO.
 @ 2' PLASTIC WHEN MOIST, STICKY.
 @ 4'
 @ 6'
 @ 8'
 @
 @

Well Proximity To: Residence, Domestic Water Well, Stock Well NONE
 Arroyo, Wash, Lake, Stream > 1000'
 Estimated or Known Distance to Ground Water > 100'

Source of Backfill (if other than processed material)

Samples collected: Type Progress: Verification ID: ROSA 43-V-EXWA-01 soil / water
 Progress: Verification ID: ROSA 43-V-EXFL-01 soil / water
 Progress: Verification ID: soil / water

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



Comments: BEDROCK (YELLOW-BLUE FINE GRAINED SS) ENCOUNTERED
@ 8' bgs FRACTURED, NO SIG. OOR OR
STAINING ON EX. FLOOR OR WALLS. SLIGHT OLYCOR
OOR
EXCAVATED IMPACTED SOIL & LANDFARMED ON-SITE

Soil Shipped to: ON-SITE LANDFARM
 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 #: 9912486

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

DATE REPORTED: 12/31/99
DATE COLLECTED: 12/11/99
DATE RECEIVED: 12/14/99

Reference Fraction: 9912486-03A

Sample ID: ROSA 43-V-EXFL-01

Sample Matrix: SOIL

Sample Date Collected: 12/11/99 10:03:00

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED	BY
TPH-DRO	SW846-8015D	5	MG/KG	2	12/15/99	BEI
BTEX	OA1/8021B			3.0		
BENZENE		ND	MG/KG	0.050	12/17/99	KK
TOLUENE		ND	MG/KG	0.050	12/17/99	KK
ETHYLBENZENE		ND	MG/KG	0.050	12/17/99	KK
TOTAL XYLENES		ND	MG/KG	0.050	12/17/99	KK
BFB (SURROGATE)		110	125	75		
QA/QC PACKAGE LEVEL	NONE		SU			

ND-NONE DETECTED

PQL=PRACTICAL QUANTITATION LIMIT

SU-STANDARD UNITS

B-DETECTED IN METHOD BLANK

APPROVED BY: TERRY KOESTERTERRY KOESTER
LABORATORY DIRECTOR

OK

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 #: 9912486

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

DATE REPORTED: 12/31/99
DATE COLLECTED: 12/11/99
DATE RECEIVED: 12/14/99

Reference Fraction: 9912486-04A
Sample ID: ROSA-43-V-EXWA-01
Sample Date Collected: 12/11/99 10:10:00

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED	BY
TPH-DRO	SW846-8015D	ND	MG/KG	2	12/15/99	BEN
BTEX	QA1/8021B			3.0		
BENZENE		ND	MG/KG	0.050	12/17/99	KKI
TOLUENE		ND	MG/KG	0.050	12/17/99	KKI
ETHYLBENZENE		ND	MG/KG	0.050	12/17/99	KKI
TOTAL XYLENES		ND	MG/KG	0.050	12/17/99	KKI
BFB (SURROGATE)		110	125	75		
QA/QC PACKAGE LEVEL	NONE		SU			

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 #: 9912613

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

DATE REPORTED: 12/31/99
DATE COLLECTED: 12/14/99
DATE RECEIVED: 12/16/99

Reference Fraction: 9912613-01A
Sample ID: ROSA 43-V-LF-01 / 85162
Sample Date Collected: 12/14/99 13:26:00

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED BY
QA/QC PACKAGE LEVEL	NONE		SU		
TOTAL PETROLEUM HYDR	EPA 418.1	165	MG/KG	10.0	12/21/99 BEN

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

APPROVED BY: TKOESTER_{SS}

TERRY KOESTER
LABORATORY DIRECTOR

PK