

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 UNIT #61 (DEHY) (85098)
Location: Unit or Qtr/Qtr Sec N Sec 13 T 31N R 5W County Rio Arriba
PitType Dehydrator
LandType: Forest

Pit Location: Pit dimensions: length 21 ft., width 19 ft., depth 10 ft.
(Attach diagram)

Reference: Wellhead

Footage from reference: 65 ft.

Direction from reference: 180 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>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: 8/30/99

Date Completed: 9/24/99

Remediation Method: Excavation ☒

Approx. Cubic Yard 148

(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 61-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 10

Sample date 8/31/99

Sample time 13:16

Sample Result

Benzene (ppm) 0.10

Total BTEX (ppm) 2.74

Field Headspace (ppm)

TPH (ppm) 48

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

85098

Date: 8/30/99

Weather Partly Cloudy, HOT

Well Name Rosa #61 Operator WPX Sec 13 T 31N R 5W UL

Land Type: BLM STATE FEE INDIAN FOREST County Rio Arriba

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

Line Marking Evident? Y N

Pit Location:

Reference Wellhead X Other

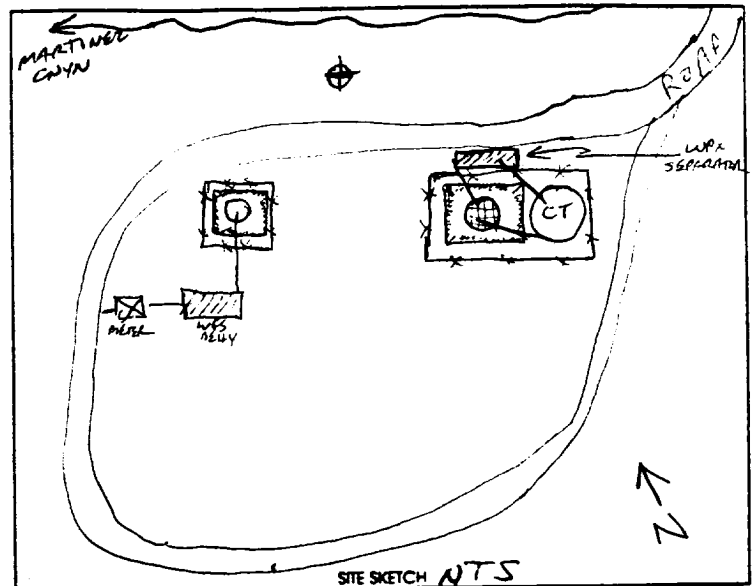
Distance from: 65'

Direction: 0 Degrees X E N

DUE SOUTH of S X W

Starting Pit Dimensions 20x18x2' 25x22x17' } Final
WFS 14x14x1' 21x19x10'

Final Pit Dimensions X X



Organic Vapor Readings: Start N/A
@ 2' }
@ 4' }
@ 6' }
@ 8' }
@ }
@ }

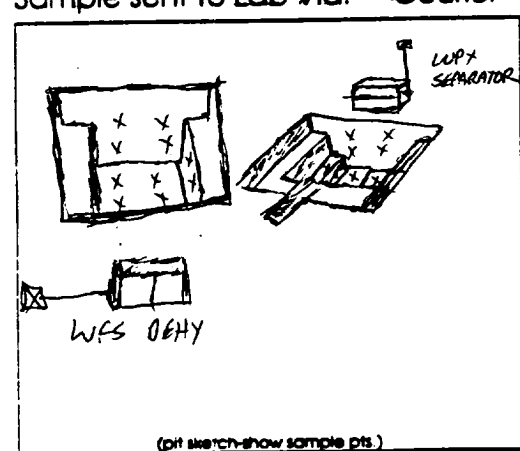
Soil Description: 0-17' BRN - OLIVE BRN, CRACKY SILT - SILTY CLAY
MOD PLASTIC.

Well Proximity To: Residence, Domestic Water Well, Stock Well NONE POND ARC: 2' DIST 0.86mi
Arroyo, Wash, Lake, Stream MARTINEZ CANYON - BEARING 25° DIST 0.02mi FROM WPX PIT
Estimated or Known Distance to Ground Water 100'

Source of Backfill (if other than processed material)

Samples collected: Type Progress: Verification ID Rosa #61-SEP-V-EXWA-01 } WPX soil / water
Progress: Verification ID Rosa #61-SEP-V-EXFL-01 } soil / water
Progress: Verification ID Rosa #61-V-EXFL-01 } WFS soil / water
Rosa #61-V-EXWA-01

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



Comments: 8/26/99: MDS HOE & SHREDDER TO SITE. MEET W/ MAT MONTOYO (WPX)
HE WILL MEET US TOMORROW A.M. TO SIGN OFF ON WELL & SHUT-IN. WPX PIT HAS
BELOW GRADE F.G. TANK SET W/ TOP AT G.S. EXPANDED STEEL TOP, LEAK DETECTION &
ANCHORS. WFS TANK IS F.G. ABOVE GRADE. 8/27/99: MEET AT SITE,
MAT MONTOYO (WPX) LEADS ARRANGE FOR ROUGHABOUT CREW TO DISCONNECT
REMOVE TANKS & ORDER WATER TRUCK TO PUMP OUT TANKS. HE CANNOT
LOCATE LINES - MUST CONTACT WFS. REPLACE SKIRT BOARD RUBBER ON
SHREDDER WHILE WAITING FOR LINE LOCATE. 12 NOON PUMP OFF SITE AND LINE LOCATE
Soil Shipped to: ON-SITE LF 8/30/99: BELM EXCAVATION & SHREDDING
Prepared by: JPS OF WPX PIT.

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: 08/31/99
DATE RECEIVED: 09/03/99

PROJECT: NM PITS

Reference Fraction: 9909146-05A 85098
Sample ID: ROSA 61-V-EXFL-01
Sample Date Collected: 08/31/99 13:16:00

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED	BY
TPH-DRO	SW846-8015D	48	MG/KG	2	09/11/99	BEM
BTEX	OA1/8021B			3.0		
BENZENE		0.102	MG/KG	0.050	09/08/99	KKL
TOLUENE		0.206	MG/KG	0.050	09/08/99	KKL
ETHYLBENZENE		1.60	MG/KG	0.050	09/08/99	KKL
TOTAL XYLENES		0.846	MG/KG	0.050	09/08/99	KKL
BFB (SURROGATE)		101	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: 08/31/99
DATE RECEIVED: 09/03/99

PROJECT: NM PITS

Reference Fraction: 9909146-06A 85078

Sample ID: ROSA 61-V-EXWA-01

Sample Matrix: SOIL

Sample Date Collected: 08/31/99 13:21:00

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		0.102	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)		104	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 #: 9909865

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

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

PROJECT: WFS/IGN NM-PITS

Reference Fraction: 9909865-09A
Sample ID: ROSA 61-V-LF-01/85098
Sample Date Collected: 09/24/99 08:30:00

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:


TERRY KOESTER
LABORATORY DIRECTOR