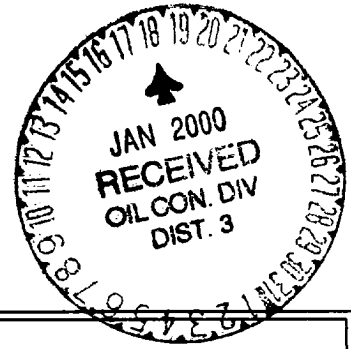


OK

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 #61 (SEP) (85098-S)
Location: Unit or Qtr/Qtr Sec N Sec 13 T 31N R 5W County Rio Arriba
PitType Separator
LandType Forest

Pit Location: Pit dimensions: length 25 ft., width 22 ft., depth 17 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 346

(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-SEP-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 17 feet

Sample date 8/30/99

Sample time 18:07

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 8-20-99

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

85098-5
85098

PIT RETIREMENT FORM

Date: 8/30/99Well Name Rosa #61Operator WPXSec 13Weather Partly Cloudy, HOTT₃ N R₅ W ULand Type: BLM STATE FEE INDIAN FORESTCounty Rio ArribaOne Call Made (505-765-1234)? Y NLine Marking Evident? Y N

Pit Location:

Reference

Wellhead XOther _____Distance from: 65'Direction: 0 DegreesX E NDUE SOUTH

of

W S XJPX 20'x18'x2'
FS 14'x14'x1'25'x22'x17'
21'x19'x10' } Final

Starting Pit Dimensions

X X

Final Pit Dimensions

X X

Organic Vapor Readings:

Start N/A② 2'② 4'② 6'② 8'② _____② _____

Soil Description:

0-17' BRN - OLIVE BRN, CLAYEY SILT - SILTY CLAY
MOD PLASTIC.

Well Proximity To:

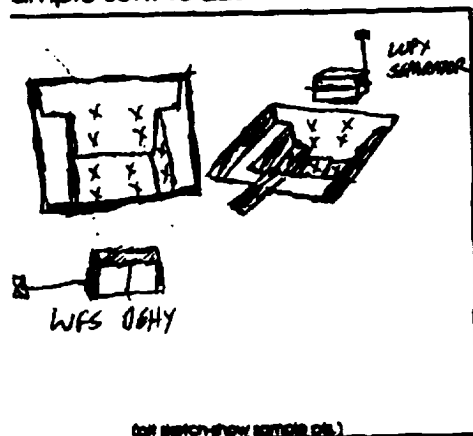
Residence, Domestic Water Well, Stock Well NONEPOND BEC-2' DWT 0.6mArroyo, Wash, Lake, Stream MARTINEZ CANYON - BEARING 25° DWT 0.02m FROM WPX PITEstimated or Known Distance to Ground Water 100'

Source of Backfill (If other than processed material)

Samples collected: Type

Progress: VerificationProgress: VerificationProgress: VerificationID Rosa #61-SEP-V-EXHA-01 } WPX
ID Rosa #61-SEP-V-EXFL-01 }
ID Rosa #61-V-EXFL-01 } WFS
Rosa #61-V-EXHA-01 }soil / watersoil / watersoil / waterSample sent to Lab Via: Courier

Hand Carried

Other _____Preservative ICE Other _____Comments: 8/26/99: PROB HOT + SHALLOW TO SITE. MEET W/ MAT MONTYD (WPX)

RE-WILL MEET US TONIGHT 8 PM. TO DISCUSS WELL + SENSIT-24. WPX PIT HAS
BLUW GRADE F.G. TANK SET W/ TOP AT G.S. EXPOSED STEEL TOP, LOOK DIRECTION +
ANCHORS. WFS TANK IS F.G. ABOVE GRADE. 8/27/99: MEET AT SITE,
MAT MONTYD (WPX) LOCAL ARRIVAL FOR REMOVAL OF CABLE TO DISCONNECT
REMOVE TANK + ASSESS WATER TANK TO PUMP OUT TANKS. HE CANNOT
LOCATE LINES - HAD CONTACT WFS. REPAIR SKID CABLE RIGGING ON
SHROUDER WHILE WAITING FOR LINE LOCATE. 12:00 PM AND ONE TWO LINE LOCATE

Soil Shipped to: ON-SITE LFStatus: Begin Excavation + SpreadingPrepared by: JPS

at WPX PIT.

QWAL LABORATORIES, INC.

2911 ROTARY TERRACE, P.O. BOX 562/PITTSBURG, KS 66762/(316)232-1970

LABORATORY REPORT:

REFERENCE #: 9909011

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

DATE REPORTED: 09/27/99
DATE COLLECTED: 08/30/99
DATE RECEIVED: 09/01/99

Reference Fraction: 9909011-01A 85098-5
Sample ID: ROSA61-SEP-V-EXFL-01
Sample Date Collected: 08/30/99 18:07:00

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	09/10/99	KKL
TOLUENE		ND	MG/KG	0.050	09/10/99	KKL
ETHYLBENZENE		ND	MG/KG	0.050	09/10/99	KKL
TOTAL XYLENES		ND	MG/KG	0.050	09/10/99	KKL
BFB (SURROGATE)		92	125	75		
QA/QC PACKAGE LEVEL	NONE	DONE	SU			

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 #: 9909011

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

DATE REPORTED: 09/27/99
DATE COLLECTED: 08/30/99
DATE RECEIVED: 09/01/99

Reference Fraction: 9909011-02A 85098
Sample ID: ROSA61-SEP-V-EXWA-01
Sample Date Collected: 08/30/99 18:00:00

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED	BY
TPH-DRO	SW846-8015D	63	MG/KG	2	09/11/99	BEM
BTEX	OAL/8021B			3.0		
BENZENE		ND	MG/KG	0.050	09/10/99	KKL
TOLUENE		0.063	MG/KG	0.050	09/10/99	KKL
ETHYLBENZENE		0.188	MG/KG	0.050	09/10/99	KKL
TOTAL XYLENES		ND	MG/KG	0.050	09/10/99	KKL
BFB (SURROGATE)		100	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: 9909865-08A
Sample ID: ROSA 61-SEP-V-LF-01/85098
Sample Date Collected: 09/24/99 08:35:00

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED BY
TOTAL PETROLEUM HYDR	EPA 418.1	193	MG/KG	10.0	09/27/99 BEM

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

APPROVED BY:


TERRY KOESTER
LABORATORY DIRECTOR