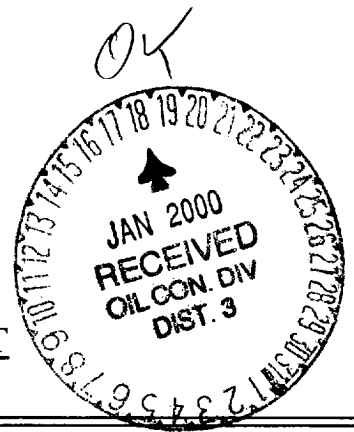


State of New Mexico
Energy, Minerals and Natural Resources Department

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 #116 GL (85937)
Location: Unit or Qtr/Qtr Sec ^A Sec 24 T 31N R 6W County Rio Arriba
PitType Dehydrator
LandType: Fee

Pit Location: Pit dimensions: length 14 ft., width 14 ft., depth 5 ft.
(Attach diagram)

Reference: Wellhead

Footage from reference: 85 ft.

Direction from reference: 10 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)	<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>10</u>
irrigation canals and ditches)			

Ranking Score (TOTAL POINTS): 10

Date Remediation Started: 9/3/99

Date Completed: 9/8/99

Remediation Method: Excavation ☒

Approx. Cubic Yard 36

(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 116GL-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 5 feet

Sample date 9/3/99

Sample time 12:22

Sample Result

Benzene (ppm) <0.05

Total BTEX (ppm) 0.198

Field Headspace (ppm)

TPH (ppm) 135

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 *Mark Harvey* For WFS

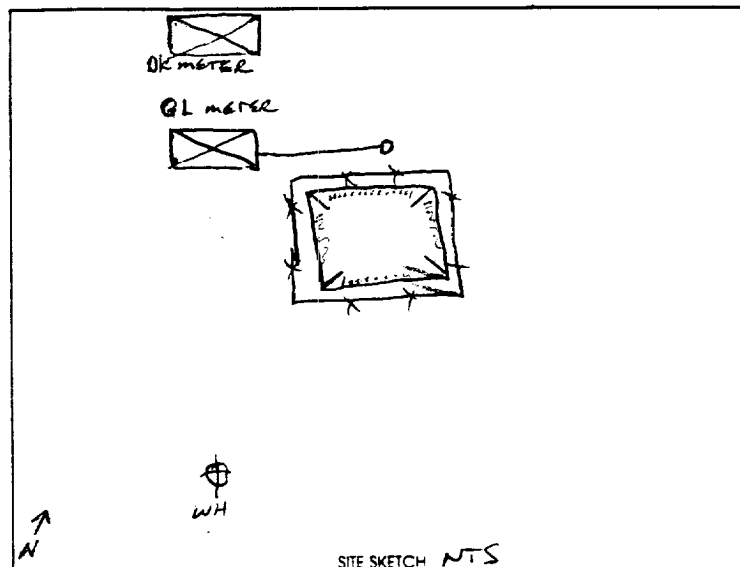
PRINTED NAME Mark Harvey for Williams Field Services
AND TITLE

85937

PIT RETIREMENT FORM

Date: 9/3/99 Weather: PTLY CLOUDY, WARM
 Well Name: Rosa #116 GL Operator: WPX Sec: 24 T: 31N R: 6W UL:
 Land Type: BLM STATE FEE INDIAN Y N Y N
 One Call Made (505-765-1234)? Y
 Line Marking Evident? Y

Pit Location:

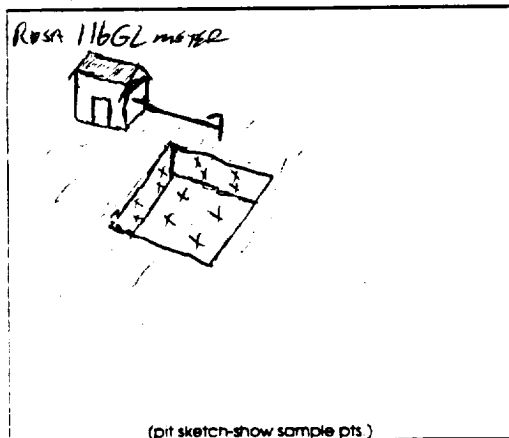
Reference Wellhead X Other Distance from: 85'Direction: 10° Degrees E N XX W of S Starting Pit Dimensions 14 x 14 x 2Final Pit Dimensions 14 x 14 x 5

Organic Vapor Readings: Start N/A Soil Description:
 @ 2' 0-5' BRN SAND SILT w/CLAY + SS FRAG.
 @ 4' 10' V. FINE SAND
 @ 6' 5' + BEDROCK LT GRAY - PALE BRN, FINE -
 @ 8' V. FINE SS, 1" SUB-ROUNDED GRAMS
 @
 @

Well Proximity To: Residence, Domestic Water Well, Stock Well NONE
 Arroyo, Wash, Lake, Stream STOCK POND BRG 338° DIST = 0.06 mi SCORE = 10
 Estimated or Known Distance to Ground Water >100'

Source of Backfill (if other than processed material)

Samples collected: Type Progress: Verification ID Rosa 116GL-V-EXWA-01 soil / water
 Progress: Verification ID Rosa 116GL-V-EXPL-01 soil / water
 Progress: Verification ID soil / water

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

Comments: METER ONLY - NO DEHYDRATION UNIT.
EARTHEN PIT WITH LINER & FG TANK. REMOVED
TANK & EXCAVATED IMPACTED SOIL. SHREDDED MATERIAL.
COLLECTED VERIFICATION SAMPLES. BEDROCK @ 5' bgs

Soil Shipped to: ON-SITE LANDFARMPrepared 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 #: 9909359

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

DATE REPORTED: 09/21/99
DATE COLLECTED: 09/03/99
DATE RECEIVED: 09/10/99

PROJECT: WFS/NM PITS

Reference Fraction: 9909359-01A 85937
Sample ID: ROSA116GL-V-EXFL-01
Sample Date Collected: 09/03/99 12:22:00

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED	BY
TPH-DRO	SW846-8015D	135	MG/KG	20	09/16/99	BEN
BTEX	OA1/8021B			3.0		
BENZENE		ND	MG/KG	0.050	09/14/99	KKI
TOLUENE		ND	MG/KG	0.050	09/14/99	KKI
ETHYLBENZENE		ND	MG/KG	0.050	09/14/99	KKI
TOTAL XYLENES		0.198	MG/KG	0.050	09/14/99	KKI
BFB (SURROGATE)		80	125	75		
QA/QC PACKAGE LEVEL	NONE	DONE	SU			

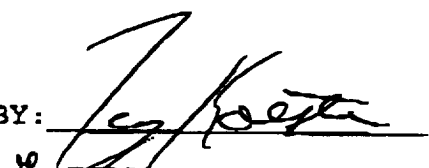
ND=NONE DETECTED

PQL-PRACTICAL QUANTITATION LIMIT

SU-STANDARD UNITS

B-DETECTED IN METHOD BLANK

APPROVED BY:


TERRY KOESTER
LABORATORY DIRECTOR

QWAL LABORATORIES, INC.

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

LABORATORY REPORT:

REFERENCE #: 9909359

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

DATE REPORTED: 09/21/99
DATE COLLECTED: 09/03/99
DATE RECEIVED: 09/10/99

PROJECT: WFS/NM PITS

Reference Fraction: 9909359-02A

85937

Sample ID: ROSA 116GL-V-EXWA-01

Sample Date Collected: 09/03/99 12:28:00

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED	BY
TPH-DRO	SW846-8015D	ND	MG/KG	2	09/16/99	BEM
BTEX	OAL/8021B	ND	MG/KG	3.0	09/14/99	KKL
BENZENE		ND	MG/KG	0.050	09/14/99	KKL
TOLUENE		ND	MG/KG	0.050	09/14/99	KKL
ETHYLBENZENE		ND	MG/KG	0.050	09/14/99	KKL
TOTAL XYLENES		ND	MG/KG	0.050	09/14/99	KKL
BFB (SURROGATE)		86	125	75		

ND=NONE DETECTED

PQL=PRACTICAL QUANTITATION LIMIT

SU=STANDARD UNITS

B=DETECTED IN METHOD BLANK

APPROVED BY:

Terry Koester
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 #: 9909359

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

DATE REPORTED: 09/21/99
DATE COLLECTED: 09/08/99
DATE RECEIVED: 09/10/99

Reference Fraction: 9909359-18A 85937
Sample ID: ROSA 116GL-V-LF-01
Sample Date Collected: 09/08/99 14:50:00

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED	BY
TPH-DRO	SW846-8015D	44	MG/KG	2	09/16/99	BEM
BTEX	OA1/8021B			3.0		
BENZENE		ND	MG/KG	0.050	09/14/99	KKL
TOLUENE		ND	MG/KG	0.050	09/14/99	KKL
ETHYLBENZENE		ND	MG/KG	0.050	09/14/99	KKL
TOTAL XYLENES		ND	MG/KG	0.050	09/14/99	KKL
BFB (SURROGATE)		80	125	75		

ND=NONE DETECTED

PQL=PRACTICAL QUANTITATION LIMIT

SU-STANDARD UNITS

B=DETECTED IN METHOD BLANK

APPROVED BY:

98.

TERRY KOESTER
LABORATORY DIRECTOR