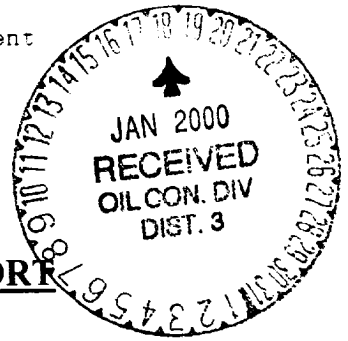


State of New Mexico  
Energy, Minerals and Natural Resources Department

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 107 GL ( 85943-S)  
Location: Unit or Qtr/Qtr Sec K Sec 4 T 31N R 5W County Rio Arriba  
PitType Separator  
LandType: BLM

Pit Location: Pit dimensions: length 27 ft., width 26 ft., depth 4 ft.  
(Attach diagram)

Reference: Wellhead

Footage from reference: 50 ft.

Direction from reference: 55 Degrees West of North

Depth To Ground Water:

(Vertical distance from  
contaminants to seasonal  
high water elevation of  
ground water)

Less than 50 feet (20 points)  
50 feet to 99 feet (10 points)  
Greater than 100 feet (0 points) 10

Wellhead Protection Area:

(Less than 200 feet from a private  
domestic water source, or: less than  
1000 feet from all other water sources)

Yes (20 points)  
No (0 points) 0

Distance To Surface Water:

(Horizontal distance to perennial  
lakes, ponds, rivers, streams, creeks,  
irrigation canals and ditches)

Less than 200 feet (20 points)  
200 feet to 1,000 feet (10 points)  
Greater than 1,000 feet (0 points) 20

Ranking Score (TOTAL POINTS): 30

Date Remediation Started: 12/12/99

Date Completed: 12/12/99

Remediation Method: Excavation ☐  
(check all appropriate  
sections)

Approx. Cubic Yard

Landfarmed ☐

Insitu Bioremediation

Other Assessed

Remediation Location: Onsite ☐ Offsite(ie. landfarmed onsite,  
name and location of  
offsite facility)

General Description Of Remedial Action:

ASSESSED. Advanced hand probe to 3-feet below pit bottom and collected 4-point composite sample.

Ground Water Encountered: No

Final Pit:

Sample location Rosa 107-GL-A-HP-01

Closure Sampling:

Assessment sample

(if multiple samples, attach  
sample results and diagram  
of sample locations and  
depths)

Sample depth 3 feet

Sample date 12/12/99

Sample time 14:28

Sample Result

Benzene (ppm) &lt;0.05

Total BTEX (ppm) 0.264


Field Headspace (ppm)

TPH (ppm) &lt;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 12-30-99

SIGNATURE PRINTED NAME Mark Harvey for Williams Field Services  
AND TITLE

# PIT ASSESSMENT FORM

85943-S GL

AssessDate: 12/12/99

Meter: 85942-S DK

Well Name: ROSA 107 DK + GL

Un\_ S<sup>4</sup> T31 R5W

County: RIO ARriba

Operator: WPX

Pit Type: EARTHEN SEPARATOR

Land Type: BLM

## Pit Information:

Reference: WELLHEAD

Distance: 45'

Degrees: 50 E of N DK

Starting Pit Dimensions: 27 X 26 X 4 ft.  
3' 40' DK

Ground Water Encountered? NO ☐

GL 55° W of N  
27' X 26' X 4' STARTING DIMENSIONS  
DISTANCE FROM WELLHEAD = 50'

## Ranking Information:

Depth To Ground Water:

☐ <50 ft

☒ >50 ft <100 ft

☐ >100 ft

Wellhead Protection Area:

<200 ft from private domestic source, or, <1,000 ft from all other sources

☐ Yes

☒ No

Distance To Surface Water:

☒ <200 ft

☐ >200 ft <1,000 ft

☐ >1,000 ft

## Sampling Information:

GeneralDescription:

LOCATION SITS AT BASE OF SS OUTCROP FORMING  
A CLIFF TO NORTH. SOUTH OF LOCATION W/  
~200 FT LIES AN EPHEMERAL DRAINAGE.  
WELL IS P+D. GRIP STILL ON SITE.

SampleLocation:

4-POINT COMPOSITE ASSESSMENT SAMPLE  
COLLECTED FROM 2 1/2 - 3' BELOW PIT BOTTOM  
USING HAND PROBE.

Sample ID: ROSA 107 DK-A-HP-01

SampleTime: 1413

SamplerName: JPS

Sample Headspace (ppm): N/A

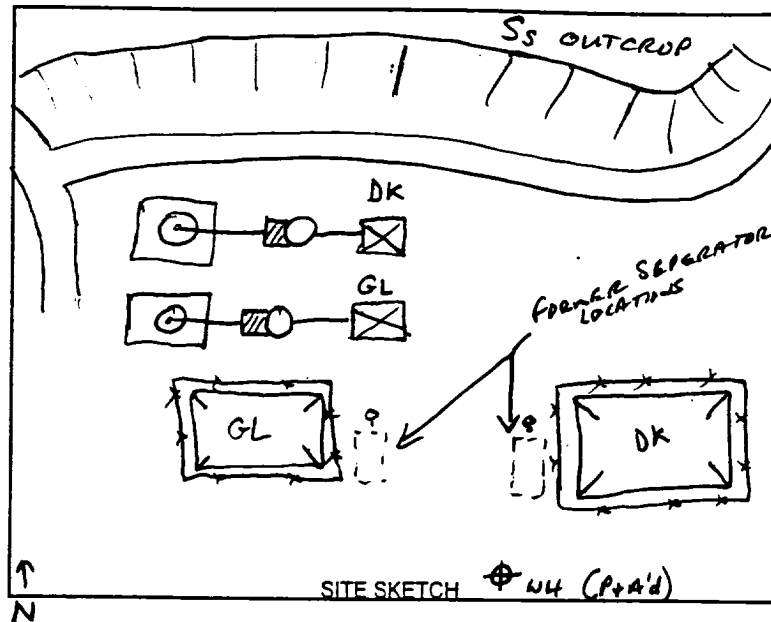
Prepared By:

JPS

Preparation Date: 12/12/99

Ready For Closure?

☐



## QWAL LABORATORIES, INC.

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: 12/12/99  
DATE RECEIVED: 12/14/99

Reference Fraction: 9912486-02A  
Sample ID: ROSA 107-GL-A-HP-01  
Sample Date Collected: 12/12/99 14:28:00

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED BY
TPH-DRO	SW846-8015D	ND	MG/KG	2	12/15/99 BEN
BTEX	OA1/8021B			3.0	
BENZENE		ND	MG/KG	0.050	12/17/99 KKI
TOLUENE		0.107	MG/KG	0.050	12/17/99 KKI
ETHYLBENZENE		ND	MG/KG	0.050	12/17/99 KKI
TOTAL XYLENES		0.157	MG/KG	0.050	12/17/99 KKI
BFB (SURROGATE)		114	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

