

*Denny G. Foster*  
DEPUTY OIL & GAS INSPECTOR

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

AUG 19 1999

**PIT REMEDIATION AND CLOSURE REPORT**

RECEIVED  
MAY 27 1999

OIL CON. DIV.  
MAY 27 1999

Operator: Texaco (Williams Field Services) Telephone: (801) 584-6361  
Address: P.O. Box 58900, Salt Lake City, Utah 84158-0900  
WellName: C W ROBERTS #8E ( 85754 )  
Location: Unit or Qtr/Qtr Sec E Sec 17 T 25N R 3W County Rio Arriba  
PitType Dehydrator  
LandType: Fee

Pit Location: Pit dimensions: length 20 ft., width 17 ft., depth 15 ft.  
(Attach diagram)

Reference: Wellhead

Footage from reference: 121 ft.

Direction from reference: 66 Degrees East 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) 0

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) 0

Ranking Score (TOTAL POINTS): 0

Date Remediation Started: 8/8/98

Date Completed: 8/8/98

Remediation Method: Excavation ✓

Approx. Cubic Yard 190

(check all appropriate  
sections)

Landfarmed ✓

Insitu Bioremediation

Other Landfarmed soil after mechanical aeration.

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 CW ROBERTS #8-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 15 Feet

Sample date 8/8/98

Sample time 14:07

Sample Result

Benzene (ppm) &lt;0.050

Total BTEX (ppm) 1.76

Field Headspace (ppm)

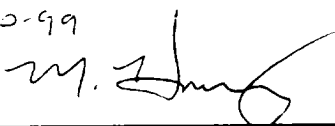
TPH (ppm) 140

Ground Water Sample: No

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

DATE 5-20-99

SIGNATURE



PRINTED NAME Mark Harvey for Williams Field Services  
AND TITLE

# PIT RETIREMENT FORM

Date: 8/8/78

85754

Weather Sunny - 81°

Well Name CW ROBERTS # 8 E Operator TEXACO Sec 17 T 25N R 3W UL

Land Type: BLM STATE FEE INDIAN

One Call Made (505-765-1234)? ☒ Y ☐ N

Line Marking Evident? (Y) N

**Pit Location:**

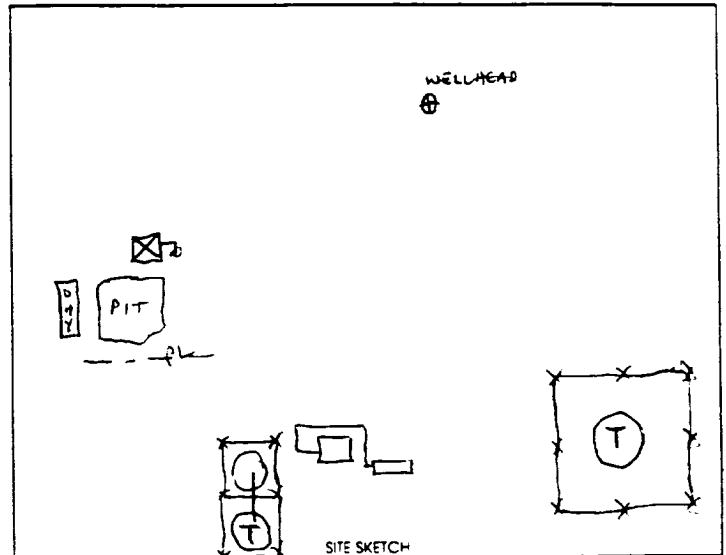
Reference Wellhead X Other       

Distance from: 121'

Direction: 66 Degrees X E N X  
of  
       W S       

Starting Pit Dimensions 12 x 13 x 3

Final Pit Dimensions 20' x 17' x 15'



**Organic Vapor Readings:** Start \_\_\_\_\_  
 @ 2' \_\_\_\_\_  
 @ 4' \_\_\_\_\_  
 @ 6' \_\_\_\_\_  
 @ 8' \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_

Soil Description: CLAYEY SILT

11	11	
11	11	→ SAND
11	11	11
11	11	11

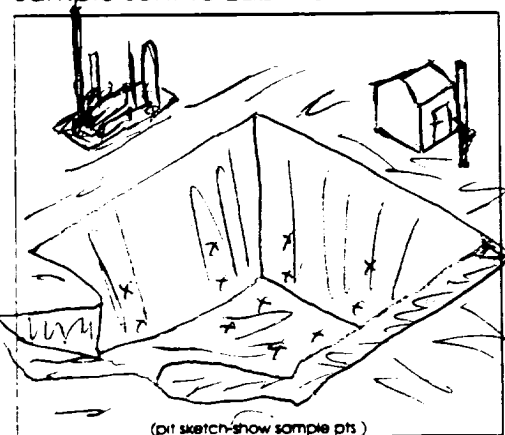
Well Proximity To: Residence, Domestic Water Well, Stock Well LONG  
Arroyo, Wash, Lake, Stream WASH ~ 1/2 MILE WEST  
Estimated or Known Distance to Ground Water > 100'

Source of Backfill (if other than processed material) \_\_\_\_\_

**Samples collected:**

Type	Progress:	Verification:	ID _____	soil / water
	Progress:	Verification:	ID _____	soil / water
	Progress:	Verification:	ID _____	soil / water

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



Comments: SITE 1 1/2 MILE EAST OF HWY 537 — EXCAVATE & STINGO  
MATERIAL — MATERIAL HAS SLIGHT TO MODERATE HYDROCARBON ODOR —  
METER RUN ON SOUTH; DENT ON EAST; AND 2" PIPELINE ON NORTH LIMIT  
EXCAVATION — TERRACE & RAMP — LANDFARM PLACED ON SOUTH PART OF  
LOCATION — WALLS HAVE SOME DISCOLORATION —

Soil Shipped to: ON-SITE LP  
Prepared by: M. L. [Signature]

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 #: 9808276

SENT WILLIAMS FIELD SERVICE-MS4JI  
TO: P.O. BOX 58900  
SALT LAKE CITY, UTAH 84108  
MARK HARVEY  
PROJECT: JICARILLA DISTRICT '98

DATE REPORTED: 08/24/98  
DATE COLLECTED: 08/07/98  
DATE RECEIVED: 08/11/98

Reference Fraction: 9808276-10A

Sample ID: CW ROBERTS #8-V-EXWA-01 / 85754

Sample Matrix: SOIL

Sample Date Collected: 08/07/98 14:12:00

TEST	METHOD	RESULT	UNITS	DL	ANALYZED	BY
TPH	SW846-8015	18.0	MG/KG	2.0	08/23/98	SKW
BTEX	SW846 8021			3.0		
BENZENE		ND	MG/KG	0.050	08/14/98	JLC
TOLUENE		ND	MG/KG	0.050	08/14/98	JLC
ETHYLBENZENE		ND	MG/KG	0.050	08/14/98	JLC
TOTAL XYLENES		ND	MG/KG	0.050	08/14/98	JLC
BFB (SURROGATE)		87	125	75		

ND=NONE DETECTED

DL=DETECTION 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.**

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**LABORATORY REPORT:**

**REFERENCE #:** 9808276

SENT WILLIAMS FIELD SERVICE-MS4JI  
TO: P.O. BOX 58900  
SALT LAKE CITY, UTAH 84108  
MARK HARVEY  
PROJECT: JICARILLA DISTRICT '98

DATE REPORTED: 08/24/98  
DATE COLLECTED: 08/08/98  
DATE RECEIVED: 08/11/98

Reference Fraction: 9808276-11A

Sample ID: CW ROBERTS #8-V-EXPL-01 / 85754

Sample Matrix: SOIL

Sample Date Collected: 08/08/98 14:07:00

TEST	METHOD	RESULT	UNITS	DL	ANALYZED	BY
TPH	SW846-8015	140	MG/KG	2.0	08/23/98	SKW
BTEX	SW846 8021			3.0		
BENZENE		ND	MG/KG	0.050	08/15/98	JLC
TOLUENE		ND	MG/KG	0.050	08/15/98	JLC
ETHYLBENZENE		ND	MG/KG	0.050	08/15/98	JLC
TOTAL XYLENES		1.76	MG/KG	0.050	08/15/98	JLC
BFB (SURROGATE)		103	125	75		

ND=NONE DETECTED

DL=DETECTION LIMIT

SU=STANDARD UNITS

B=DETECTED IN METHOD BLANK

APPROVED BY:

  
TERRY KOESTER  
LABORATORY DIRECTOR

## QWAL LABORATORIES, INC.

85754

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

## LABORATORY REPORT:

REFERENCE #: 9808765

SENT WILLIAMS FIELD SERVICE-MS4JI  
TO: P.O. BOX 58900  
SALT LAKE CITY, UTAH 84108  
MARK HARVEY  
PROJECT: JICARILLA DISTRICT '98

DATE REPORTED: 08/31/98  
DATE COLLECTED: 08/21/98  
DATE RECEIVED: 08/25/98

Reference Fraction: 9808765-02A

Sample ID: JIC/CW ROBERTS#8-V-LF-01 / 85428

Sample Matrix: SOIL

Sample Date Collected: 08/21/98 16:38:00 15

TEST	METHOD	RESULT	UNITS	DL	ANALYZED	BY
TPH	SW846-8015	66.1	MG/KG	2.0	08/27/98	SKW

ND-NONE DETECTED

DL-DETECTION LIMIT

SU-STANDARD UNITS

B-DETECTED IN METHOD BLANK

APPROVED BY:

  
TERRY ROESTER  
LABORATORY DIRECTOR