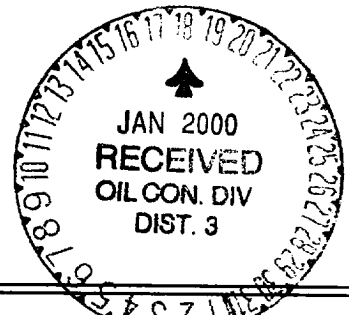


OIL CONSERVATION DIVISION

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: NM 32-11 COM #1A ( 86858 )  
Location: Unit or Qtr/Qtr Sec N Sec 20 T 32N R 11W County San Juan  
PitType Dehydrator  
LandType: Fee

Pit Location: Pit dimensions: length 35 ft., width 32 ft., depth 20 ft.  
(Attach diagram)

Reference: Wellhead

Footage from reference: 57 ft.

Direction from reference: 78 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>10</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): 10

Date Remediation Started: 8/23/99

Date Completed: 9/10/99

Remediation Method: Excavation ☒

Approx. Cubic Yard 830

(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 NM #1A-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 20 feet

Sample date 8/24/99

Sample time 10:58

Sample Result

Benzene (ppm) &lt;0.05

Total BTEX (ppm) 8.23

Field Headspace (ppm)

TPH (ppm) 393

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

86858

Date: 8/23/99

Weather PTLY CLOUDY WARM

Well Name NM#32-11Com#1A Operator WPX

Sec 20 T 32N R 11W UL

Land Type: BLM STATE FEE INDIAN

County SAN JUAN

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

Line Marking Evident? (Y) N

## Pit Location:

Reference Wellhead X Other \_\_\_\_\_

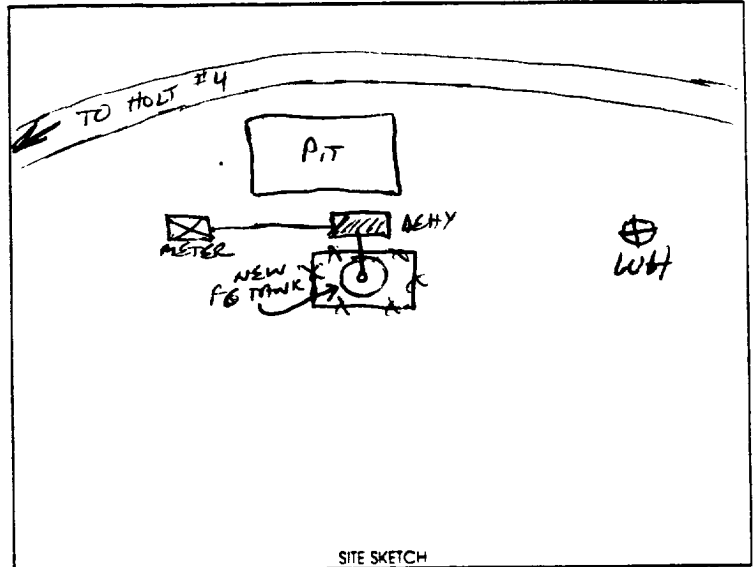
Distance from: 57

Direction: 78 Degrees \_\_\_\_\_ E N X

\_\_\_\_\_ of \_\_\_\_\_  
X W S

Starting Pit Dimensions 25 x 20 x 5

Final Pit Dimensions 35 x 32 x 20



## Organic Vapor Readings:

Start N/A  
@ 2' \_\_\_\_\_  
@ 4' \_\_\_\_\_  
@ 6' \_\_\_\_\_  
@ 8' \_\_\_\_\_  
@ \_\_\_\_\_  
@ \_\_\_\_\_

## Soil Description:

0-15 BUFF/BRN, CLAYEY SILT, MOD. PLASTIC UNK. WET  
↑ SILT W/ DEPTH  
15-20 OLV, BRN CLAYEY SILT W/ DR V. FINE  
SAND

Well Proximity To: Residence, Domestic Water Well, Stock Well NONE

Arroyo, Wash, Lake, Stream NONE < 500'

Estimated or Known Distance to Ground Water > 50'

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

## Samples collected:

Type Progress: Verification:

ID NM#1A-V-EXWA-01 soil / water

Progress: Verification:

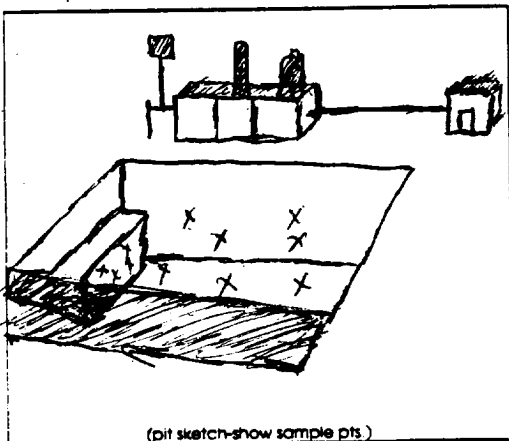
ID NM#1A-V-EXPL-01 soil / water

Progress: Verification:

ID \_\_\_\_\_ soil / water

Sample sent to Lab Via: Courier

Hand Carried Other \_\_\_\_\_ Preservative: ICE Other \_\_\_\_\_



(pit sketch-show sample pts.)

Comments: SITE SITS ADJACENT TO HOLT #4.  
EXCAVATE & LF SOIL ON-SITE, SHROOBER IN  
FOR REPAIRS.

Soil Shipped to: ON-SITE LANDFARM

Prepared 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 #:** 9908829

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

DATE REPORTED: 09/01/99  
 DATE COLLECTED: 08/24/99  
 DATE RECEIVED: 08/26/99

Reference Fraction:9908829-03A

Sample ID: NM#1A-V-EXFL-01

Sample Matrix: SOIL

Sample Date Collected: 08/24/9910:58:00

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED	BY
BTEX	OA1/8021B			3.0		
BENZENE		ND	MG/KG	0.050	08/31/99	KKL
TOLUENE		0.35	MG/KG	0.050	08/31/99	KKL
ETHYLBENZENE		6.96	MG/KG	0.050	08/31/99	KKL
TOTAL XYLENES		0.92	MG/KG	0.050	08/31/99	KKL
BFB (SURROGATE)		91	125	75		
OA-I TPH AS GASOLINE	OA1/8015G	393	MG/KG	2.50	08/31/99	KKL

ND=NONE DETECTED

PQL=PRACTICAL QUANTITATION LIMIT

SU=STANDARD UNITS

B=DETECTED IN METHOD BLANK

APPROVED BY:

  
 TERRY KOESTER  
 LABORATORY DIRECTOR

TPH = 393  
 BTEX = 8.23

**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 #:** 9908829

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

DATE REPORTED: 09/01/99  
 DATE COLLECTED: 08/24/99  
 DATE RECEIVED: 08/26/99

Reference Fraction: 9908829-04A

Sample ID: NM#1A-V-EXWA-01

Sample Matrix: SOIL

Sample Date Collected: 08/24/99 15:30:00

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED	BY
BTEX	OA1/8021B			3.0		
BENZENE		ND	MG/KG	0.050	08/31/99	KKL
TOLUENE		0.57	MG/KG	0.050	08/31/99	KKL
ETHYLBENZENE		7.50	MG/KG	0.050	08/31/99	KKL
TOTAL XYLENES		8.61	MG/KG	0.050	08/31/99	KKL
BFB (SURROGATE)		93	125	75		
OA-I TPH AS GASOLINE	OA1/8015G	511	MG/KG	2.50	08/31/99	KKL

ND=NONE DETECTED

PQL=PRACTICAL QUANTITATION LIMIT

SU=STANDARD UNITS

B-DETECTED IN METHOD BLANK

APPROVED BY: \_\_\_\_\_

**TERRY KOESTER**  
**LABORATORY DIRECTOR**

TPH 51  
 REF 6.62

## 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 #: 9909457

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: 09/10/99  
DATE RECEIVED: 09/14/99

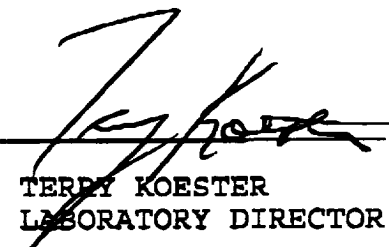
Reference Fraction: 9909457-12A 86858  
Sample ID: NMLA-V-LF-01  
Sample Date Collected: 09/10/99 13:55:00

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED	BY
TOTAL PETROLEUM HYDR	EPA 418.1	ND	MG/KG	10.0	09/17/99	BEM

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

APPROVED BY:

90   
TERRY KOESTER  
LABORATORY DIRECTOR