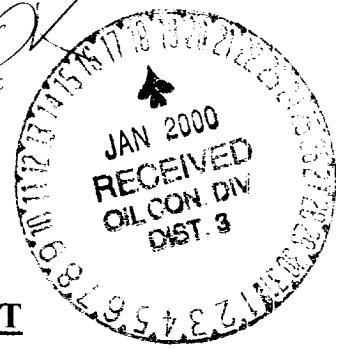


State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2038  
Santa Fe, New Mexico 87504-2088



**PIT REMEDIATION AND CLOSURE REPORT**

Operator: Phillips Petroleum (Williams Field Services) Telephone: (801) 584-6361  
Address: P.O. Box 58900, Salt Lake City, Utah 84158-0900  
WellName: SAN JUAN 31-6 #33 ( 85421 )  
Location: Unit or Qtr/Qtr Sec ~~33~~ Sec 34 T 31N R 6W County Rio Arriba  
PitType Dehydrator  
LandType: Fee

Pit Location: Pit dimensions: length 16 ft., width 17 ft., depth 8 ft.  
(Attach diagram)

Reference: Wellhead

Footage from reference: 75 ft.

Direction from reference: 60 Degrees West of South

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)	0
high water elevation of			
ground water)			

Wellhead Protection Area:	Yes	(20 points)	
(Less than 200 feet from a private	No	(0 points)	0
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)	0
irrigation canals and ditches)			

Ranking Score (TOTAL POINTS): 0

Date Remediation Started: 9/9/99

Date Completed: 9/24/99

Remediation Method: Excavation ☒

Approx. Cubic Yard 81

(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 SJ 31-6 #33-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 8 feet

Sample date 9/9/99

Sample time 12:27

Sample Result

Benzene (ppm) &lt;0.05

Total BTEX (ppm) &lt;0.05

Field Headspace (ppm)

TPH (ppm) 268

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

# PIT RETIREMENT FORM

85421

Date: 9/9/99  
 Well Name: SS 31-6 #33  
 Land Type: BLM STATE FEE INDIAN  
 One Call Made (505-765-1234)? Y N  
 Line Marking Evident? Y N

Operator PHILLIPS

Weather PTLY CLOUDY HOT  
 Sec 34 T 31 N R 6 W UL  
 County RIO ARriba

## Pit Location:

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

Distance from: 75'

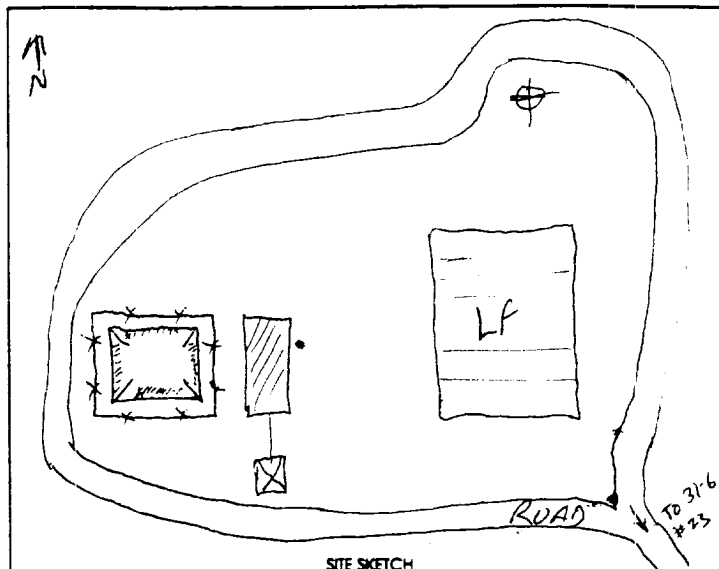
Direction: 60 Degrees \_\_\_\_\_ E N \_\_\_\_\_

BAG 240

X W of S X

Starting Pit Dimensions 13 x 14 x 2

Final Pit Dimensions 16 x 17 x 8



Organic Vapor Readings: Start N/A  
 @ 2' \_\_\_\_\_  
 @ 4' \_\_\_\_\_  
 @ 6' \_\_\_\_\_  
 @ 8' \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_

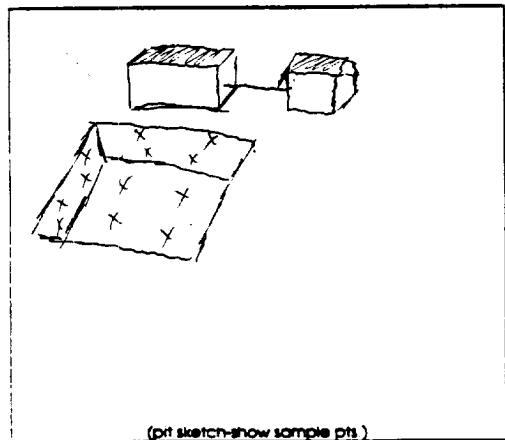
Soil Description: \_\_\_\_\_  
0-4' GRAY/BRN CLAYEY SILT TO POORLY  
INDURATED MUDSTONE w/ some fissility.  
4-8' GRAY/PURPLE POORLY INDURATED  
MUDSTONE / SHALE, FISSILE.  
8'+ BR GRAY/PURPLE WEAKLY-MOD  
INDURATED MUDSTONE / SHALE

Well Proximity To: Residence, Domestic Water Well, Stock Well NONE  
 Arroyo, Wash, Lake, Stream >1000'  
 Estimated or Known Distance to Ground Water >100'

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

Samples collected: Type Progress: Verification: ID SS 31-6 #33-V-EXFL-01 soil / water  
 Progress: Verification: ID SS 31-6 #33-V-EXWA-01 soil / water  
 Progress: Verification: ID \_\_\_\_\_ soil / water

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



Comments: 9/8/99 SET UP, TEAR ODWIN FENCE, REMOVE DISCHARGE  
LINES TO BARTHEN PIT, MIX SOIL TO DRY OUT  
9/9/99: EXCAVATE & SHRED IMPACTED MATERIAL. GEXOL  
0008. LAYOUT SHREDDED MATERIAL IN ON-SITE LF.  
Bedrock encountered @ 8' bgs.

Soil Shipped to: ON-SITE LF  
 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 #: 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: 09/09/99  
DATE RECEIVED: 09/14/99

Reference Fraction: 9909457-01A 85421  
Sample ID: SJ31-6#33-V-EXFL-01  
Sample Date Collected: 09/09/99 12:27:00

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED	BY
TPH-DRO	SW846-8015D	268	MG/KG	2	09/18/99	BEM
BTEX	OA1/8021B			3.0		
BENZENE		ND	MG/KG	0.050	09/16/99	KKL
TOLUENE		ND	MG/KG	0.050	09/16/99	KKL
ETHYLBENZENE		ND	MG/KG	0.050	09/16/99	KKL
TOTAL XYLENES		ND	MG/KG	0.050	09/16/99	KKL
BFB (SURROGATE)		86	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:

90. 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 #: 9909457

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

DATE REPORTED: 09/21/99  
DATE COLLECTED: 09/09/99  
DATE RECEIVED: 09/14/99

PROJECT: WFS/NM-PITS

Reference Fraction: 9909457-02A 85421  
Sample ID: SJ31-6#33-V-EXWA-01  
Sample Date Collected: 09/09/99 12:22:00

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED	BY
TPH-DRO	SW846-801SD	ND	MG/KG	2	09/18/99	BEM
BTEX	0A1/8021B			3.0		
BENZENE		ND	MG/KG	0.050	09/16/99	KKL
TOLUENE		ND	MG/KG	0.050	09/16/99	KKL
ETHYLBENZENE		ND	MG/KG	0.050	09/16/99	KKL
TOTAL XYLENES		ND	MG/KG	0.050	09/16/99	KKL
BFB (SURROGATE)		79	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: 9909865-03A

Sample ID: SJ31-6 #33-V-LF-01/85421

Sample Matrix: SOIL

Sample Date Collected: 09/24/99 10:45:00

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

ND=NONE DETECTED

PQL=PRACTICAL QUANTITATION LIMIT

SU=STANDARD UNITS

B=DETECTED IN METHOD BLANK

APPROVED BY:

  
TERRY KOESTER  
LABORATORY DIRECTOR