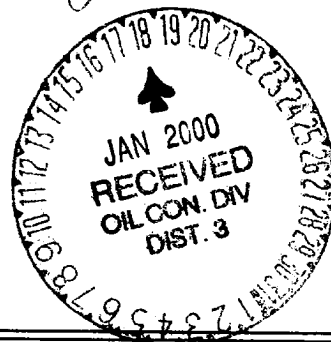


State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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



PIT REMEDIATION AND CLOSURE REPORT

Operator: Phillips Petroleum (Williams Field Services) Telephone: (801) 584-6361  
Address: P.O. Box 58900, Salt Lake City, Utah 84158-0900  
WellName: San Juan 32-7 #8 ( 86080 )  
Location: Unit or Qtr/Qtr Sec ☒ Sec 17 T 31N R 7W County San Juan  
PitType Dehydrator  
LandType: Fee

Pit Location: Pit dimensions: length 16 ft., width 15 ft., depth 8 ft.  
(Attach diagram)

Reference: Wellhead

Footage from reference: 78 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>0</u>
irrigation canals and ditches)			

Ranking Score (TOTAL POINTS): 0

Date Remediation Started: 9/21/99

Date Completed: 9/27/99

Remediation Method: Excavation ☒  
(check all appropriate sections)

Approx. Cubic Yard 71

Landfarmed ☒

Insitu Bioremediation

Other Landfarmed soil after mechanical aeration. LF Headspace 3 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 32-7 #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 8 feet

Sample date 9/21/99

Sample time 9:40

## Sample Result

Benzene (ppm) &lt;0.05

Total BTEX (ppm) &lt;0.05

Field Headspace (ppm)

TPH (ppm) 7

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 WES

PRINTED NAME Mark Harvey for Williams Field Services  
AND TITLE

## PIT RETIREMENT FORM

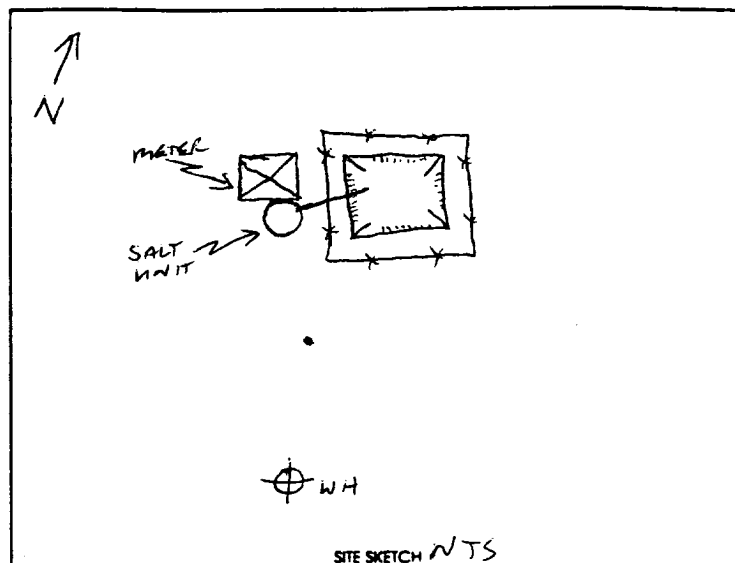
86050

Date: 9-20-99  
 Well Name SJ 32-7 #8 Operator PHILLIPS Sec 17 T 31 R 7W UL  
 and Type: BLM STATE FEE INDIAN County SAN JUAN  
 One Call Made (505-766-1234)? Y N  
 Line Marking Evident? Y N

## Pit Location:

Reference Wellhead X Other \_\_\_\_\_  
 Distance from: 78  
 Direction: 10 Degrees \_\_\_\_\_ E N X  
 of  
X W S \_\_\_\_\_

Starting Pit Dimensions 12 x 12 x 2  
 Final Pit Dimensions 16 x 15 x 8



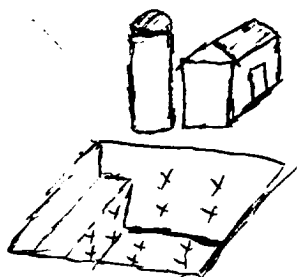
Organic Vapor Readings: Start N/A Soil Description: \_\_\_\_\_  
 @ 2' 0-8' BRN CLAYEY SILT W/ TR OF V. FINE SAND  
 @ 4' 8' GRAY/GRN SILTY CLAY  
 @ 6' \_\_\_\_\_  
 @ 8' \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_

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 SJ32-7#8-V-EXFL-D1 soil / water  
 Progress: Verification: ID SJ32-7#8-V-EXHA-D1 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: EARTHEN PIT. SALT TOWER DEHY.  
SOIL DOES NOT APPEAR VISUALLY IMPACTED BY HC.  
BUT DOES HAVE A GRAPEFRUIT-LIKE ODOR.  
WFS REP BELIEVES ODOR DO TO INHIBITOR CHEMICALS  
USED BY PRODUCER. PETADFLAC TPH = 460 ppm.  
EXCAVATE & SHRED MATERIAL. ENCOUNTER GRAY  
GRN SILTY CLAY @ 8' bgs.

Soil Shipped to: ON-SITE LANDFARM  
 Prepared by: APS

## 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 #: 9909783

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

DATE REPORTED: 09/29/99  
DATE COLLECTED: 09/21/99  
DATE RECEIVED: 09/23/99

Reference Fraction: 9909783-08A

Sample ID: SJ32-7 #8-V-EXFL-01

Sample Date Collected: 09/21/99 09:40:00

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED	BY
TPH-DRO	SW846-8015D	7	MG/KG	2	09/25/99	BEM
BTEX	OAL/8021B			3.0		
BENZENE		ND	MG/KG	0.050	09/28/99	KKL
TOLUENE		ND	MG/KG	0.050	09/28/99	KKL
ETHYLBENZENE		ND	MG/KG	0.050	09/28/99	KKL
TOTAL XYLENES		ND	MG/KG	0.050	09/28/99	KKL
BFB (SURROGATE)		97	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:

  
TERRY KOESTER  
LABORATORY DIRECTOR



## QWAL LABORATORIES, INC.

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

## LABORATORY REPORT:

REFERENCE #: 9909783

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

DATE REPORTED: 09/29/99  
DATE COLLECTED: 09/21/99  
DATE RECEIVED: 09/23/99

PROJECT: WFS/IGN-NM PITS

Reference Fraction: 9909783-09A  
Sample ID: SJ32-7 #8-V-EXWA-01  
Sample Date Collected: 09/21/99 09:47:00

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED	BY
TPH-DRO	SW846-8015D	16	MG/KG	2	09/25/99	BEM
BTEX	OA1/8021B			3.0		
BENZENE		ND	MG/KG	0.050	09/28/99	KKL
TOLUENE		ND	MG/KG	0.050	09/28/99	KKL
ETHYLBENZENE		ND	MG/KG	0.050	09/28/99	KKL
TOTAL XYLENES		ND	MG/KG	0.050	09/28/99	KKL
BFB (SURROGATE)		95	125	75		
QA/QC PACKAGE LEVEL	NONE		SU			

ND=NONE DETECTED

PQL=PRACTICAL QUANTITAION 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 #: 9909913

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

DATE REPORTED: 09/29/99  
DATE COLLECTED: 09/27/99  
DATE RECEIVED: 09/28/99

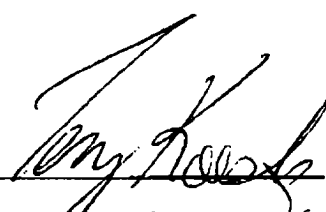
Reference Fraction: 9909913-03A  
Sample ID: SJ32-7 #8-V-LF-01  
Sample Date Collected: 09/27/99 14:05:00

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED BY
QA/QC PACKAGE LEVEL	NONE	DONE	SU		
TOTAL PETROLEUM HYDR	EPA 418.1	221	MG/KG	10.0	09/29/99 BEM

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

APPROVED BY:

  
TERRY KOESTER  
LABORATORY DIRECTOR