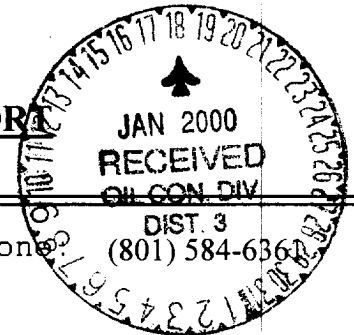


OK

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: (86735 )  
Address: P.O. Box 58900, Salt Lake City, Utah 84158-0900  
WellName: HOLT #3  
Location: Unit or Qtr/Qtr Sec C Sec 20 T 32N R 11W County San Juan  
PitType Dehydrator  
LandType: Fee

Pit Location: Pit dimensions: length 27 ft., width 20 ft., depth 12 ft.  
(Attach diagram)

Reference: Wellhead

Footage from reference: 64 ft.

Direction from reference: 60 Degrees East 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) 10  
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): 10

Date Remediation Started: 8/18/99

Date Completed: 9/10/99

Remediation Method: Excavation ☒

Approx. Cubic Yard 240

(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 HOLT #3-V-EXFL-01

Closure Sampling:

Two samples were collected, one sample from the excavation bottom and the second sample was made up of 4 points from each excavation wall.

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

Sample depth 12 feet

Sample date 8/19/99

Sample time 9:45

Sample Result

Benzene (ppm) &lt;0.05

Total BTEX (ppm) 24.21

Field Headspace (ppm)

TPH (ppm) 762

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  FULL WFS

PRINTED NAME Mark Harvey for Williams Field Services AND TITLE

# PIT RETIREMENT FORM

86735

Date: 8-18-99  
 Well Name HOLT #3 Operator WILLIAMS PRODUCTION Sec 20 T 32N R 11W UL  
 Land Type: BLM STATE FEE INDIAN  
 One Call Made (505-765-1234)? Y N  
 Line Marking Evident? Y N

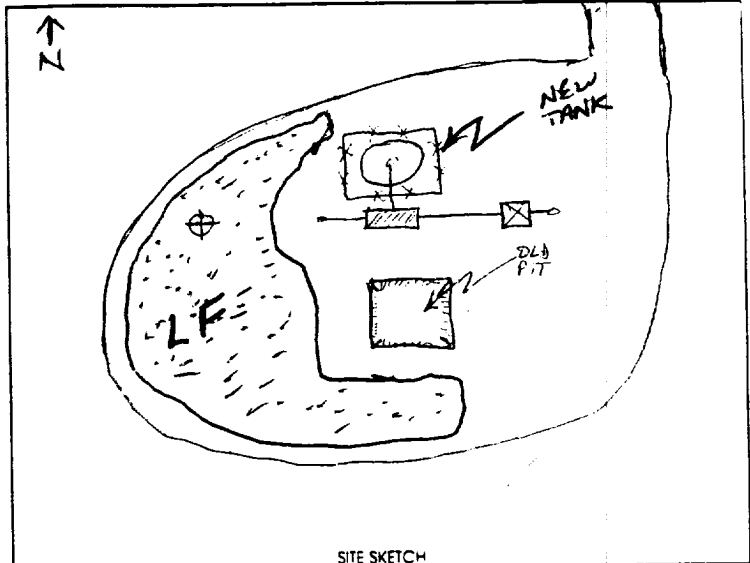
Weather CLOUDY 11/40

County SAN JUAN

## Pit Location:

Reference Wellhead X Other \_\_\_\_\_  
 Distance from: 64  
 Direction: 60 Degrees X E N X  
 of \_\_\_\_\_  
 \_\_\_\_\_ W S \_\_\_\_\_

Starting Pit Dimensions 14 x 14 x 2  
 Final Pit Dimensions 27 x 20 x 12



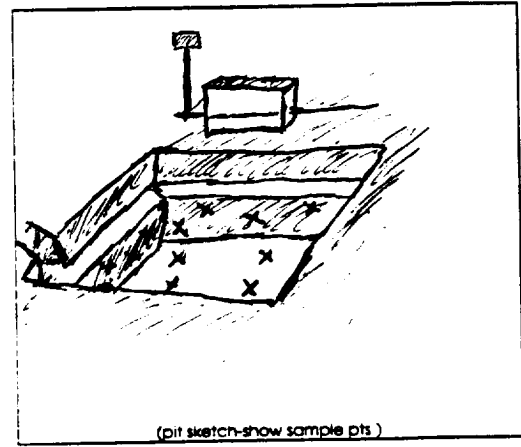
Organic Vapor Readings: Start N/A Soil Description: \_\_\_\_\_  
 @ 2' \_\_\_\_\_  
 @ 4' \_\_\_\_\_  
 @ 6' \_\_\_\_\_  
 @ 8' \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 0-4' OLIVE BRN. CLAYEY SILT, MED PLASTIC WHEN WET  
 4-9' LT ORG-BRN, SANDY SILT, 1" V. FINE SAND  
 9-12' OLIVE GRN CLAYEY SILT MED PLASTIC WHEN WET  
 12' OLIVE GRN HARD, ARGILLITE / SLTSTONE  
 W/ TR. V. FINE SAND,

Well Proximity To: Residence, Domestic Water Well, Stock Well NONE  
 Arroyo, Wash, Lake, Stream 0.8 mi  
 Estimated or Known Distance to Ground Water > 50'

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

Samples collected: Type Progress Verification: ID HOLT#3-V-EXWA-01 soil / water  
 Progress Verification: ID HOLT#3-V-EXFL-01 soil / water  
 Progress: Verification: ID \_\_\_\_\_ soil / water

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



Comments: SETUP, REMOVE FENCE AROUND OLD PIT, BEGIN EXCAVATING, SHRED SOIL AS EXCAVATED. LAYOUT IN BN-SITE LF. EXCAVATION COMPLETE @ 1730. COLLECT VERIFICATION SAMPLES ON 8-19-99 @ 0930

Soil Shipped to: BN-SITE LANDFARM  
 Prepared by: \_\_\_\_\_

**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 #:** 9908748

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

DATE REPORTED: 09/02/99  
 DATE COLLECTED: 08/19/99  
 DATE RECEIVED: 08/24/99

Reference Fraction: 9908748-02A  
 Sample ID: HOLT #3-V EXFL-01  
 Sample Date Collected: 08/19/99 09:45:00

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED	BY
BTEX	OA1/8021B			3.0		
BENZENE		ND	MG/KG	0.050	08/31/99	KKL
TOLUENE		3.18	MG/KG	0.050	08/31/99	KKL
ETHYLBENZENE		9.03	MG/KG	0.050	08/31/99	KKL
TOTAL XYLENES		12.0	MG/KG	0.050	08/31/99	KKL
BFB (SURROGATE)		90	125	75		
OA-I TPH AS GASOLINE	OA1/8015G	762	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*  
 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 #:** 9908748

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

DATE REPORTED: 09/02/99  
 DATE COLLECTED: 08/19/99  
 DATE RECEIVED: 08/24/99

Reference Fraction:9908748-01A  
 Sample ID: HOLT #3-V EXWA-01  
 Sample Date Collected: 08/19/9909:30:00

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED	BY
BTEX	OA1/8021B			3.0		
BENZENE		ND	MG/KG	0.050	08/31/99	KKL
TOLUENE		0.104	MG/KG	0.050	08/31/99	KKL
ETHYLBENZENE		ND	MG/KG	0.050	08/31/99	KKL
TOTAL XYLENES		ND	MG/KG	0.050	08/31/99	KKL
BFB (SURROGATE)		95	125	75		
OA-I TPH AS GASOLINE	OA1/8015G	45.3	MG/KG	2.50	08/31/99	KKL
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 #: 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

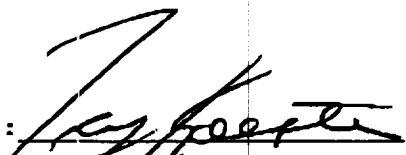
Reference Fraction: 9909457-07A 86735  
Sample ID: HOLT-3-V-LF-01  
Sample Date Collected: 09/10/99 13:20:00

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:

  
TERRY KOESTER  
LABORATORY DIRECTOR