

DEPUTY OIL & GAS INSPECTOR

FEB 03 1999 ENVIRONMENTAL PROTECTION OFFICE

DULCE, NEW MEXICO 87528

STRENGTH COPY 10

NATURAL RESOURCES UNIT

AND OIL & GAS ADMINISTRATION

PJT-REMEDIATION AND CLOSURE REPORT

Operator: Williams Production Company Telephone: 918-561-6250

Address: P.O.Box 3102, MS 37-4 Tulsa Ok. 74101

Facility or Well Name: JICARILLA 92 #12

Location: Unit or Qtr/Qtr Sec P Sec 30 T27N R3W County RIO ARriba

Type: Separator___ Dehydrator___ Other PRODUCTION

2nd Type: JICARILLA APACHE RESERVATION

t Location: Pit dimensions: length 16', width 16', depth 3'

nach (12.2.2.1))

Reference: wellhead____, other_____

Footage from reference: _____

Direction from reference: _____ Degrees _____ East North _____
 _____ West South _____

Depth To Groundwater:

critical distance from -
terminants to seasonal
in water elevation of
groundwater)

Less than 50 feet	(20 points)
50 feet to 99 feet	(10 points)
Greater than 100 feet	(0 points)

stance to an Ephemeral Stream
over gradient dry wash greater than
(feet in width)

Less than 100 feet	(10 points)
Greater than 100 feet	(0 points)

distance to Nearest Lake, Playa, or Watering Pond . . . Less than 100 feet
 Greater than 100 feet
 (non-gradient lakes, playas and
 stock or wildlife watering ponds)

d. Less than 100 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
 10 feet from all other water sources)

Yes : (20 points)
No : (0 points) 0

To Surface Water:
a. distance to perennial
ponds, rivers, streams, creeks,
irrigation canals and ditches)

Less than 100 feet (20 points)
100 feet to 1000 feet (10 points)
Greater than 1000 feet (0 points) 0

RANKING SCORE (TOTAL POINTS): 20

Date Remediation Started: 9/15/98 Date Completed: 9/15/98

Remediation Method: Excavation X

Approx. cubic yards 558

(Check all appropriate sections)

Landfarmed X

In situ Bioremediation _____

Other _____

Remediation Location: Onsite X Offsite _____

(i.e. landfarmed onsite,

name and location of

offsite facility)

General Description of Remedial Action: ON-SITE LAND FARMING

Groundwater Encountered: No X Yes _____ Depth _____

Final Pit: Sample location _____

Closure Sampling: JICARILLA 92#12 (ROCK ENCOUNTERED)

(if multiple samples,

attach sample results

and diagram of sample

locations and depths)

Sample depth 6' + SIDE WALLS

Sample date 9/15/98 Sample time 1429

Sample Results

BOY WML

Soil: Benzene (ppm) ND/ND Water: Benzene (ppb) _____

Total BTEX (ppm) 14.220/0012 Toluene (ppb) _____

Field Headspace (ppm) 160/64 Ethylbenzene (ppb) _____

TPH (ppm) 130/ND Total Xylenes (ppb) _____

Groundwater Sample: Yes _____ No X (If yes, attach sample results)

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

DATE 10/22/98 PRINTED NAME Don Fernald

SIGNATURE [Signature] AND TITLE Project Manager

AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES X NO _____ (REASON) _____

SIGNED: [Signature] DATE: 10/23/98

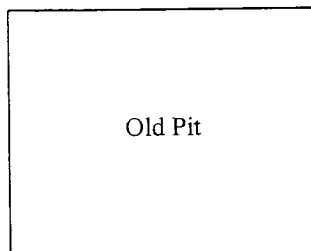
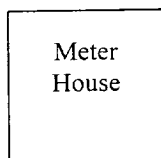
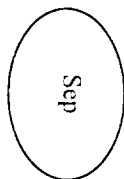
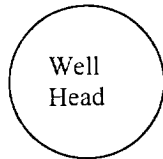
Drawing not to scale.

X=Wall Samples

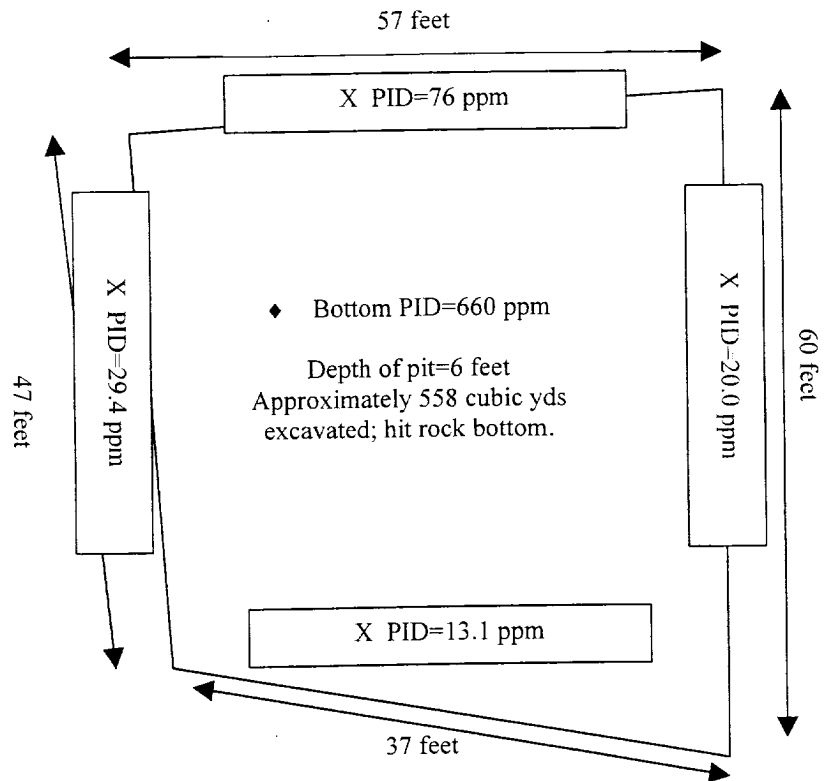
◆ =Bottom Sample



- Soil Samples Collected on 9/15/98;
Bottom Sample collected at 6 feet bgs



Jicarilla 92 #12



OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 25-Sep-98

Client:	Philip Environmental	Client Sample Info:	Williams Production Pits
Work Order:	9809041	Client Sample ID:	Jic. 92 #12 Wall Comp
Lab ID:	9809041-01A	Matrix:	SOIL
Project:	18684 3000.77	Collection Date:	9/15/98 2:29:00 PM
		COC Record:	C2299

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	9/24/98
GASOLINE RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C6-C10	ND	0.18		mg/Kg	1	9/19/98
BTEX		SW8020A				Analyst: HR
Benzene	ND	1		µg/Kg	1	9/17/98
Toluene	ND	2		µg/Kg	1	9/17/98
Ethylbenzene	1.2	1		µg/Kg	1	9/17/98
m,p-Xylene	ND	2		µg/Kg	1	9/17/98
o-Xylene	ND	1		µg/Kg	1	9/17/98

Qualifiers:

PQL - Practical Quantitation Limit

ND - Not Detected at Practical Quantitation Limit

J - Analyte detected below Practical Quantitation Limit

B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Surr: - Surrogate

1 of 1

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 25-Sep-98

Client:	Philip Environmental	Client Sample Info:	Williams Production Pits
Work Order:	9809041	Client Sample ID:	Jic. 92 #12 Bottom Comp
Lab ID:	9809041-02A	Matrix:	SOIL
Project:	18684 3000.77	Collection Date:	9/15/98 2:30:00 PM
		COC Record:	C2299

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	9/24/98
GASOLINE RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C6-C10	130	9		mg/Kg	50	9/19/98
BTEX		SW8020A				Analyst: HR
Benzene	ND	100		µg/Kg	100	9/17/98
Toluene	1800	200		µg/Kg	100	9/17/98
Ethylbenzene	820	100		µg/Kg	100	9/17/98
m,p-Xylene	8500	200		µg/Kg	100	9/17/98
o-Xylene	1300	100		µg/Kg	100	9/17/98

Qualifiers:

PQL - Practical Quantitation Limit

ND - Not Detected at Practical Quantitation Limit

J - Analyte detected below Practical Quantitation Limit

B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Surr: - Surrogate

1 of 1

Chain of Custody Record

(505) 326-2262 Phone
(505) 326-2388 FAX

COC Serial No. C 2299

PE 176 4/95

Williams Prod.

Tic. 92 No. 15

Pit has been covered up

Dehy sits directly south of pit.

Fiberglass Tank set in ground

directly west of pit

Fiberglass Tank may need to be moved.

Room for land farm North of pit.

Williams Prod.

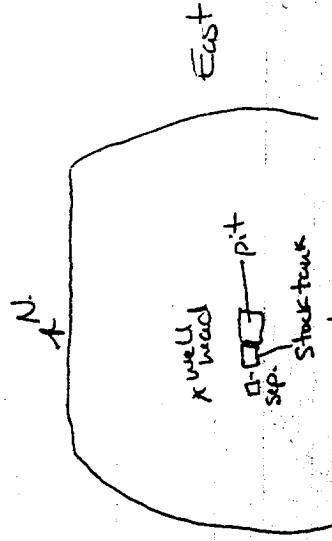
Tic. 92 No. 12

Stack Tank directly west of pit.

Sep. West of Stack Tank.

Well head north of pit.

Room for landfarm north of well head.



9-15-98

Jic. 92 #12

- Moved to location at 9:30, pulled down fence and started digging on pit. Had to keep going south to find end of contamination. Contamination went all the way to pit that had been dug before. East of meter House. Moved stock tank on west side of pit. Some soil under stock tank ^{was} clean some was contaminated.

Measured hole at 1:30 $40 \times 42 \times 6 = 373$ yds

- Moved to Jic. 92 #15 at 3:00

Jic 92#12

↑ North

→ East

Well Head

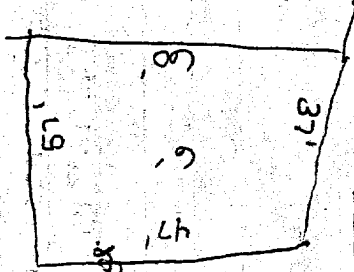
← West

↓ South

Property

oil pit

meter House



55
Ran Head space

North wall 76 ppm

West wall 29.4 ppm

South wall 13.1 ppm

East wall 20.0 ppm

Wall Comp. 63.9 ppm

Bottom Comp. 660 ppm

6' Bottom, rock bottom

Fined Pit measurement $53.5 \times 47 \times 6 =$
558 yds

JICARILLA APACHE TRIBE
ENVIRONMENTAL PROTECTION OFFICE
P.O. BOX 507
DULCE, NEW MEXICO 87528

SUBMIT TO
NATURAL RESOURCE DEPT
AND LAND ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

Operator: WILLIAMS PRODUCTION COMPANY Telephone: 918-561-6250

Address: P.O. BOX 3102, MS 37-4, TULSA, OK 74101

Facility or Well Name: JICARILLA 92 #12

Location: Unit or Qtr/Qtr Sec P Sec 30 T 27N R 3W County RIO ARriba

Land Type: JICARILLA APACHE RESERVATION

Date Remediation Started: 9/15/98 Date Completed: 10/21/98

Remediation Method: Landfarmed X Approx. cubic yards 558

Composted

Other

Depth To Groundwater: (pts.) 0

Distance to an Ephemeral Stream (pts.) 0

Distance to Nearest Lake, Playa, or Watering Pond (pts.) 0

Wellhead Protection Area: (pts.) 0

Distance To Surface Water: (pts.) 0

RANKING SCORE (TOTAL POINTS): 0

Final Closure Sampling:

Sampling Date: 10/21/98 Time: 1400

Sample Results:

Field Headspace (ppm) 25

TPH (ppm) ND Method 8015

Other BTEX - METHOD 8020 - ND

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

DATE 11/5/98 PRINTED NAME ROBERT THOMPSON
SIGNATURE Robert Thompson AND TITLE PROJECT MANAGER

AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES X NO (REASON) Doing to use for backfill.

SIGNED: Karina J. Callado DATE: 11/5/98

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 30-Oct-98

Client: Philip Environmental

Client Sample Info: Williams Production Pits

Work Order: 9810066

Client Sample ID: Jicarilla 92 #12 Landfarm

Lab ID: 9810066-03A **Matrix:** SOIL

Collection Date: 10/21/98 2:00:00 PM

Project: 18684 7000.77

COC Record: C2309

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	10/29/98
GASOLINE RANGE ORGANICS		SW8015				Analyst: DC
T/R Hydrocarbons: C6-C10	ND	0.18		mg/Kg	1	10/27/98
BTEX		SW8020A				Analyst: DC
Benzene	ND	1		µg/Kg	1	10/23/98
Toluene	ND	2		µg/Kg	1	10/23/98
Ethylbenzene	ND	1		µg/Kg	1	10/23/98
m,p-Xylene	ND	2		µg/Kg	1	10/23/98
o-Xylene	ND	1		µg/Kg	1	10/23/98

Qualifiers:

PQL - Practical Quantitation Limit

S - Spike Recovery outside accepted recovery limits

ND - Not Detected at Practical Quantitation Limit

R - RPD outside accepted recovery limits

J - Analyte detected below Practical Quantitation Limit

E - Value above quantitation range

B - Analyte detected in the associated Method Blank

Surr: - Surrogate

1 of 1

P.O. BOX 2606 • FARMINGTON, NM 87499

Philip

4000 Monroe Road
Farmington, NM 87401
(505) 326-2262 Phone
(505) 326-2388 FAX

COC Serial No. C 2310

[illegible]

Relinquished by:

Received By:

Reinquished by:		Date		Time		Signature	
Mark McElroy		11-13-98		1950		[Signature]	
Karen [Signature]		11-16-98		1050		[Signature]	

Samples Iced:**Carrier:****Airbill No.**

Preservatives (ONLY for Water Samples)

Shipping and Lab Notes:

RUSH SAMPLE

Preservatives (Only for Water Samples)

☐ Cyanide	Sodium hydroxide (NaOH)
☐ Volatile Organic Analysis	Hydrochloric acid (HCl)
☐ Metals	Nitric acid (HNO ₃)
☐ TPH (418.1)	Sulfuric acid (H ₂ SO ₄)
☐ Other (Specify)	
☐ Other (Specify)	

~~For~~ JIC 92 #12 Phase 3000
Drove to location check with PID
they were all ^{below} 100 PPM I
sampled it composite came out to 25 PPM
Heated up Sample Time 1400

