

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

SUBMIT 1 COPY TO  
NATURAL RESOURCES DEPT  
DEPUTY OIL & GAS INSPECTOR

AUG 23 1996

PIT REMEDIATION AND CLOSURE REPORT

CA 347

Operator: Conoco, Inc. Telephone: (505) 324-5884  
Address: 3315 Bloomfield Hwy. Farmington, NM 87401  
Facility or Well Name: AXI APACHE "N" 12 A  
Location: Unit or Qtr/Qtr Sec L Sec 11 T 25N R 4W County RIO ARIZONA  
Pit Type: Separator ☒ Dehydrator ☐ Other ☐  
Land Type: RANGE

Pit Location: Pit dimensions: length 20', width 20', depth 8'  
(Attach diagram) Reference: wellhead ☒, other ☐  
Footage from reference: 85  
Direction from reference: 15 Degrees ☒ East North ☐  
West of South ☒

Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation of groundwater)	Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 points)	<u>0</u>
Distance to an Ephemeral Stream (Dry Wash greater than ten feet in width)	Less than 100 feet (10 points) Greater than 100 feet (0 points)	<u>0</u>
Distance to Nearest Lake, Playa, or Watering Pond (Dry Wash greater than ten feet in width)	Less than 100 feet (10 points) Greater than 100 feet (0 points)	<u>0</u>
Wellhead Protection Area: (Less than 200 feet from a private domestic water source, or: less than 1000 feet from all other water sources)	Yes (20 points) No (0 points)	<u>0</u>
Distance To Surface Water: (Horizontal distance to perennial lakes, 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)	<u>0</u>

RECEIVED  
JUN - 5 1996

OIL CON. DIV.  
DIST. 3

RANKING SCORE (TOTAL POINTS): 0

CA347

Date Remediation Started: \_\_\_\_\_ Date Completed: 3-27-96

Remediation Method: Excavation X Approx. cubic yards 120  
(Check all appropriate sections) Landfarmed X Insitu Bioremediation \_\_\_\_\_  
Other \_\_\_\_\_

Remediation Location: Onsite \_\_\_\_\_ Offsite X JICARILLA LANDFARM # 2  
(i.e. landfarmed onsite, name and location of offsite facility)

General Description of Remedial Action: EXCAVATION TO BEDROCK BOTTOM

Groundwater Encountered: No X Yes \_\_\_\_\_ Depth \_\_\_\_\_

Final Pit:  
Closure Sampling:  
(if multiple samples,  
attach sample results  
and diagram of sample  
locations and depths)

Sample location CENTER BOTTOM - BEDROCK

Sample depth 8'

Sample date 3-27-96 Sample time \_\_\_\_\_

Sample Results

Soil: Benzene	(ppm)	_____	Water: Benzene	(ppb)	_____
Total BTEX	(ppm)	_____	Toluene	(ppb)	_____
Field Headspace	(ppm)	<u>117</u>	Ethylbenzene	(ppb)	_____
TPH	(ppm)	<u>4640</u>	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 MARCH 28, 1996 PRINTED NAME JEFFREY C. BLACC

SIGNATURE Jeffrey C. Blacc AND TITLE PE # 11607

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: Jeffrey C. Blacc DATE: 3-29-96

CLIENT: <u>Copoco</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>CA347</u> C.O.C. NO: <u>—</u>
-----------------------	--	--

## FIELD REPORT: PIT CLOSURE VERIFICATION

LOCATION: <u>AXI APACHE "N" 12A</u>	PIT TYPE: <u>SEP.</u>	DATE STARTED: <u>3-27-96</u>
QUAD/UNIT: <u>L SEC. 11 TWP. 25N RNG. 4W</u>	BM: <u>Nm</u> CNTY: <u>R.A.</u> ST: <u>Nm</u>	DATE FINISHED: <u>3-27-96</u>
QTP/FOOTAGE:	CONTRACTOR: <u>PAUL</u>	ENVIRONMENTAL SPECIALIST: <u>REG</u>

EXCAVATION APPROX. 20 FT. x 20 FT. x 8 FT. DEEP. CUBIC YARDS: 120  
DISPOSAL FACILITY: JICARILLA LANDFARM #2 REMEDIATION METHOD: LANDFARM  
LAND USE: RANGE LEASE: INDIAN CONTRACT 121 FORMATION: \_\_\_\_\_

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 85 FEET S15°E FROM WELLHEAD.  
DEPTH TO GROUNDWATER: 700' NEAREST WATER SOURCE: 7000' NEAREST SURFACE WATER: >1000'  
NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5000 PPM

SOIL AND EXCAVATION DESCRIPTION: PIT DISPOSITION: ABANDONED

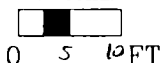
PIT EXCAVATED TO BED ROCK BOTTOM. OUTCROP TO SOUTH OF PIT.  
SOIL CONSISTS OF MOIST, BROWN, SILTY SAND - NO STAIN / NO ODR.

FIELD 418.1 CALCULATIONS

SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
C8@8'	1700	10.0	20.0	10	232	4640
"	1700-D	"	"	10	225	4500

BEAROCK  
CLOSE PIT

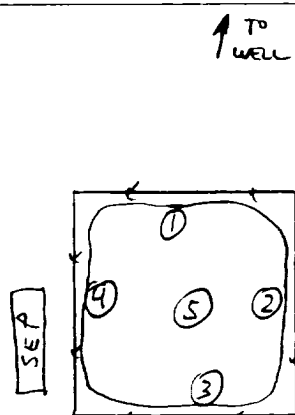
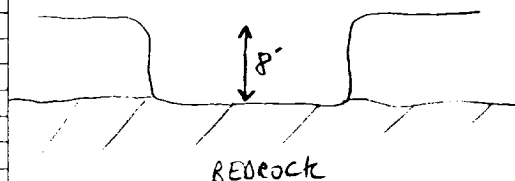
SCALE



PIT PERIMETER

## OVM RESULTS

PIT PROFILE

[illegible]

TRAVEL NOTES:      CALLOUT: 3-26-96      ONSITE: 3-27-96      0900

**BLAGG ENGINEERING, INC.**

P.O. Box 87, Bloomfield, New Mexico 87413  
Phone: (505)632-1199 Fax: (505)632-3903

FIELD MODIFIED EPA METHOD 418.1  
TOTAL PETROLEUM HYDROCARBONS

Client:	Conoco	Project #:	
Sample ID:	Center Bottom @ 8'	Date Analyzed:	3-27-96
Project Location:	AXI Apache "N" 12A	Date Reported:	3-27-96
Laboratory Number:	TPH-1700	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
-----	-----	-----
Total Recoverable Petroleum Hydrocarbons	<b>4,600</b>	<b>100</b>

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	-----	-----	-----
	4,640	4,500	3

\*Administrative Acceptance limits set at 30%.

Method: Modified Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No.4551, 1978

Comments: Separator Pit - CA347

R. E. O'Neil  
Analyst

Kelvin Velez  
Review

**BLAGG ENGINEERING, INC.**

P.O. Box 87, Bloomfield, New Mexico 87413

Phone: (505)632-1199 Fax: (505)632-3903

**FIELD MODIFIED EPA METHOD 418.1  
TOTAL PETROLEUM HYDROCARBONS**

Client: Conoco  
Sample ID: Center Bottom @ 8'  
Project Location: AXI Apache "N" 12A  
Laboratory Number: TPH-1700 Duplicate

Project #:   
Date Analyzed: 3-27-96  
Date Reported: 3-27-96  
Sample Matrix: Soil

Parameter -----	Result, mg/kg -----	Detection Limit, mg/kg -----
Total Recoverable Petroleum Hydrocarbons	<b>4,500</b>	<b>100</b>

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg -----	Duplicate TPH mg/kg -----	% *Diff. -----
	4,640	4,500	3

\*Administrative Acceptance limits set at 30%.

Method: Modified Method 418.1, Petroleum Hydrocarbons, Total  
Recoverable, Chemical Analysis of Water and Waste,  
USEPA Storet No.4551, 1978

Comments: Separator Pit - CA347

P. E. O'Neil  
Analyst

Nelson Velez  
Review