

*Denny E. Faust*  
DEPUTY OIL & GAS INSPECTOR

MAY 04 1998

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

SUBMIT 1 COPY TO  
NATURAL RESOURCE DEPT  
AND OIL & GAS ADMINISTRATION

*Tank drain.*

**PIT REMEDIATION AND CLOSURE REPORT**

Operator: CONOCO, INC. Telephone: (505) 324-5884  
Address: 3315 Bloomfield Hwy., Farmington, NM 87401  
Facility or Well Name: JICARILLA #12  
Location: Unit or Qtr/Qtr Sec J Sec 30 T 26N R 4W County RIO ARriba  
Pit Type: Separator ☐ Dehydrator ☐ Other PRODUCTION MARK  
Land Type: RANGE

Pit Location: (Attach diagram) Pit dimensions: length 25', width 25', depth 18'  
Reference: wellhead X, other \_\_\_\_\_  
Footage from reference: 125  
Direction from reference: 55 Degrees X East of North \_\_\_\_\_  
West of South X

<b>Depth To Groundwater:</b> (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>10</u>
<b>Distance to an Ephemeral Stream</b> (Downgradient dry wash greater than ten feet in width)	Less than 100 feet	(10 points)	
	Greater than 100 feet	(0 points)	<u>0</u>
<b>Distance to Nearest Lake, Playa, or Watering Pond</b> (Downgradient lakes, playas and livestock or wildlife watering ponds)	Less than 100 feet	(10 points)	
	Greater than 100 feet	(0 points)	<u>0</u>
<b>Wellhead Protection Area:</b> (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>
<b>Distance To Surface Water:</b> (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>

**RANKING SCORE (TOTAL POINTS):** 10

Date Remediation Started: \_\_\_\_\_ Date Completed: 7-25-96

Remediation Method: Excavation X Approx. cubic yards 400  
 (check all appropriate sections) Landfarmed X Insitu Bioremediation \_\_\_\_\_  
 Other \_\_\_\_\_

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

General Description of Remedial Action: Excavation

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

Final Pit: Sample location see Attached Documents

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

Sample depth 19'

Sample date 7-25-96 Sample time \_\_\_\_\_

Sample Results

Soil: Benzene	(ppm)	_____	Water: Benzene	(ppb)	_____
Total BTEX	(ppm)	_____	Toluene	(ppb)	_____
Field Headspace	(ppm)	<u>72</u>	Ethylbenzene	(ppb)	_____
TPH	(ppm)	<u>14</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 7-25-96 PRINTED NAME Jeffrey C. Blagg, P.E. #11607

SIGNATURE Jeffrey C. Blagg AND TITLE President

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) spray + close

SIGNED: Kee C. Mammall DATE: 7-29-96



**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, Inc.	Project #:	
Sample ID:	Center Bottom @ 19'	Date Analyzed:	7-25-96
Project Location:	Jicarilla 12	Date Reported:	7-26-96
Laboratory Number:	TPH #1751	Sample Matrix:	Soil

Parameter -----	Result, mg/kg -----	Detection Limit, mg/kg -----
Total Recoverable Petroleum Hydrocarbons	<b>14</b>	<b>10</b>

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg -----	Duplicate TPH mg/kg -----	% *Diff. -----
	4,440	3,640	20

\*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: Production Tank Pit

R. E. O'Neill  
Analyst

J. C. Blagg  
Review

## CHAIN OF CUSTODY RECORD

[illegible]

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

CA388

SUBMIT 1 COPY TO  
NATURAL RESOURCE DEPT  
AND OIL & GAS ADMINISTRATION

**ON-SITE SOIL REMEDIATION REPORT**

<b>Operator:</b> <u>Conoco, Inc.</u>		<b>Telephone:</b> <u>(505) 324-5884</u>
<b>Address:</b> <u>3315 Bloomfield Hwy., Farmington, NM 87401</u>		
<b>Facility or Well Name:</b> <u>JICARILLA #12</u>		
<b>Location:</b> Unit or Qtr/Qtr Sec <u>T</u> Sec <u>30</u> T <u>26N</u> R <u>4W</u> County <u>RIO ARriba</u>		
<b>Land Type:</b> <u>RANGE</u>		
<b>Date Remediation Started:</b> <u>7/25/96</u>		<b>Date Completed:</b> <u>8/22/97</u>
<b>Remediation Method:</b> Landfarmed <input checked="" type="checkbox"/>		<b>Approx. cubic yards</b> <u>900</u>
Composted <input type="checkbox"/>		
Other <input type="checkbox"/>		
<b>Depth To Groundwater:</b> (pts.) <u>10</u>		<b>Final Closure Sampling:</b>
<b>Distance to an Ephemeral Stream</b> (pts.) <u>0</u>		<b>Sampling Date:</b> <u>8/20/96</u> <b>Time:</b> <u>1010</u>
<b>Distance to Nearest Lake, Playa, or Watering Pond</b> (pts.) <u>0</u>		<b>Sample Results:</b>
<b>Wellhead Protection Area:</b> (pts.) <u>0</u>		<b>Field Headspace (ppm)</b> <u>0.0</u>
<b>Distance To Surface Water:</b> (pts.) <u>0</u>		<b>TPH (ppm)</b> <u>2.0</u> <b>Method</b> <u>8015</u>
<b>RANKING SCORE (TOTAL POINTS):</b> <u>10</u>		<b>Other</b> _____
<b>I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF</b>		
<b>DATE</b> <u>8/22/97</u>		<b>PRINTED NAME</b> <u>Jeffrey C. Blagg, P.E. #11607</u>
<b>SIGNATURE</b> <u>Jeffrey C. Blagg</u>		<b>AND TITLE</b> <u>President</u>
<b>AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.</b>		
<b>APPROVED:</b> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> (REASON) _____		
<b>SIGNED:</b> <u>Kenn C. Marshall</u>		<b>DATE:</b> <u>9-2-97</u>

CLIENT: <u>CONOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>C9388</u> C.D.C. NO: <u>5391</u>
-----------------------	--	---

## FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: <u>JICARILLA</u>	WELL #: <u>12</u>	PITS: <u>SEP, PROD.</u>	DATE STARTED: <u>8/20/97</u>
QUAD/UNIT: <u>J SEC: 30 TWP: 26N RNG: 4W PM: NM CNTY: RA ST: NM</u>	DATE FINISHED: _____		
DEPT. FOOTAGE: <u>NW 1/4 SE 1/4</u>	CONTRACTOR: <u>ACME</u>		
			ENVIRONMENTAL SPECIALIST: <u>NV</u>

### SOIL REMEDIATION:

REMEDIATION SYSTEM: LANDFARMED      APPROX. CUBIC YARDAGE: 900  
 LAND USE: RANGE      LIFT DEPTH (ft): 12"-24"

### FIELD NOTES & REMARKS:

DEPTH TO GROUNDWATER: <100'    NEAREST WATER SOURCE: >1000'    NEAREST SURFACE WATER: >1000'

NMOCB RANKING SCORE: 10    NMOCB TPH CLOSURE STD: 1000 PPM

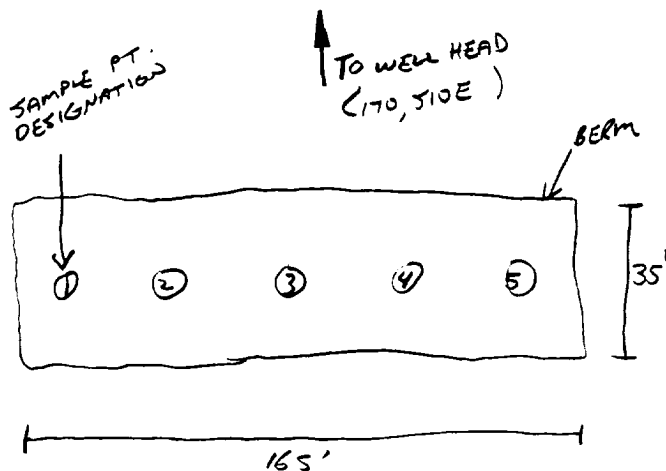
OK. YELL. BROWN SAND, NON COHESIVE, SLIGHTLY MOIST, FIRM, NO APPARENT DISCOLORATION OBSERVED IN ANY OF THE SAMPLE PTS. NO APPARENT HC ODOR IN OVM SAMPLES. 5 PT. COMPOSITE COLLECTED FOR LAB ANALYSIS.

CLOSED

### FIELD 418.1 CALCULATIONS

SAMP. TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm

### SKETCH/SAMPLE LOCATIONS



### OVM RESULTS

### LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	0.0	LF-1	TPH (8015)	1010	2.0

### SCALE



0      FT

TRAVEL NOTES:	CALLOUT: <u>NA</u>	ONSITE: <u>8/20/97</u>
---------------	--------------------	------------------------

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

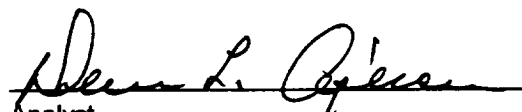
Client:	Blagg / Conoco	Project #:	04034-10
Sample ID:	LF - 1	Date Reported:	08-21-97
Laboratory Number:	B907	Date Sampled:	08-20-97
Chain of Custody No:	5391	Date Received:	08-20-97
Sample Matrix:	Soil	Date Extracted:	08-20-97
Preservative:	Cool	Date Analyzed:	08-21-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

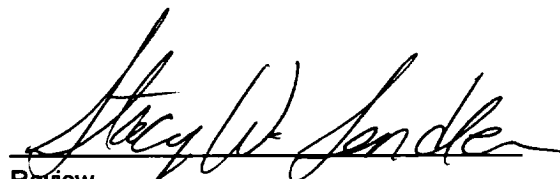
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	2.0	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	2.0	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: Jicarilla #12 Landfarm. 5 pt. Composite.

  
Analyst

  
Review



