

*Denny E. Fournier*  
 DEPUTY OIL & GAS INSPECTOR

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

MAY 04 1988

Sep.

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 X Dehydrator      Other       
 Land Type: RANGE

Pit Location: Pit dimensions: length 35', width 20', depth 20'  
 (Attach diagram) Reference: wellhead X, other       
 Footage from reference: 25  
 Direction from reference: 45 Degrees      East of North       
X West of South X

<b>Depth To Groundwater:</b> (Vertical distance from contaminants to seasonal high water elevation of groundwater)	Less than 50 feet 50 feet to 99 feet Greater than 100 feet	(20 points) (10 points) ( 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 Greater than 100 feet	(10 points) ( 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 Greater than 100 feet	(10 points) ( 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 No	(20 points) ( 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 100 feet to 1000 feet Greater than 1000 feet	(20 points) (10 points) ( 0 points)	<u>0</u>

RANKING SCORE (TOTAL POINTS): 10

Date Remediation Started: \_\_\_\_\_ Date Completed: 7-25-96Remediation Method: Excavation X Approx. cubic yards 500Check 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: ExcavationGroundwater 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 12'Sample date 7-25-96 Sample time \_\_\_\_\_

## Sample Results

BTEX SAMPLE  
SUBMITTED

Soil: Benzene	X (ppm)	<u>0</u>	Water: Benzene	(ppb)	_____
Total BTEX	X (ppm)	<u>2.17</u>	Toluene	(ppb)	_____
Field Headspace	(ppm)	<u>364</u>	Ethylbenzene	(ppb)	_____
TPH	(ppm)	<u>16</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. #11607SIGNATURE 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 & CLOSEDSIGNED: Ken C. Merrill DATE: 7-29-96

CLIENT: <u>CONOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>CA388</u> C.O.C. NO: <u>48A</u>
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## FIELD REPORT: PIT CLOSURE VERIFICATION

LOCATION: JICARILLA *12	PIT TYPE: SEP.	DATE STARTED: 7-25-96
QUAD/UNIT: J SEC: 30 TWP: 26 N RNG: 4 W BM: NM CNTY: RA ST: NM		DATE FINISHED: _____
QTR/FOOTAGE: 1650' FSL. 1650' FEL	CONTRACTOR: ACME	ENVIRONMENTAL SPECIALIST: REO

EXCAVATION APPROX. 35 FT. x 20 FT. x 20 FT. DEEP. CUBIC YARDS: ~ 500  
DISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: LANDFILL  
LAND USE: RANGE LEASE: CONTRACT #120 FORMATION: \_\_\_\_\_

FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>25</u> FEET <u>S45°W</u> FROM WELLHEAD.		
DEPTH TO GROUNDWATER: <u>&gt;50'</u>	NEAREST WATER SOURCE: <u>&gt;1000'</u>	NEAREST SURFACE WATER: <u>&gt;1000'</u>	
NMOCB RANKING SCORE: <u>10</u>	NMOCB TPH CLOSURE STD: <u>1000</u> PPM		

SOIL AND EXCAVATION DESCRIPTION: PIT DISPOSITION: ABANDONED

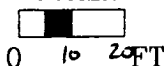
SOIL CONSISTS OF MOIST, BROWN, SILTY-CLAYEY-SAND. SLIGHT ODOOR + STAIN IN BOTTOM + EAST SAMPLES. PIPELINE ON EAST SIDE PREVENTS FURTHER DIGGING.

FIELD 418.1 CALCULATIONS

FIELD 4181 CALCULATIONS						
SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
ES-12'	1750	10.0	20.0	1	8	16

CLOSER

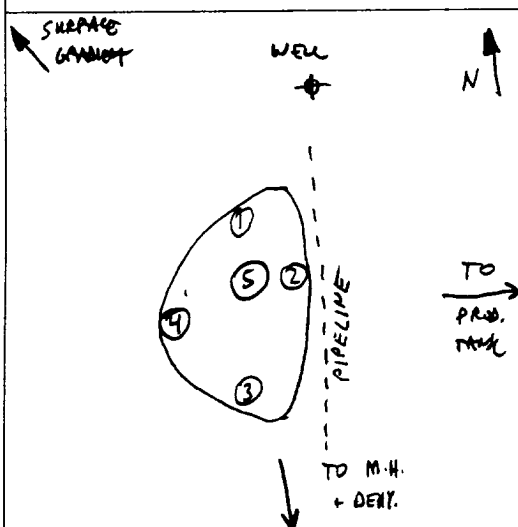
SCALE



# PIT PERIMETER

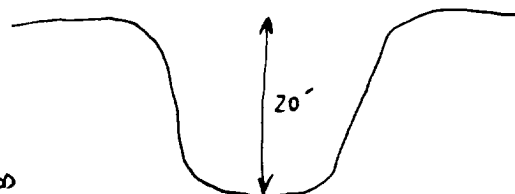
## OVM RESULTS

## PIT PROFILE



SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 NS-12"	0
2 ES-12"	364
3 SS-10"	7
4 WS-12"	0
5 CB-21"	300

LAB	SAMPLES
ES - 12'	B TEX - PARTIAL



TRAVEL NOTES:      CALLOUT: 7-24-96      ONSITE: 7-25-96      1040

**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:	East Side @ 12'	Date Analyzed:	7-25-96
Project Location:	Jicarilla 12	Date Reported:	7-26-96
Laboratory Number:	TPH #1750	Sample Matrix:	Soil

Parameter -----	Result, mg/kg -----	Detection Limit, mg/kg -----
Total Recoverable Petroleum Hydrocarbons	<b>16</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: Separator Pit

R. E. O'Neill  
Analyst

J. C. Blagg  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Blagg / Conoco	Project #:	04034
Sample ID:	E.S. @ 12'	Date Reported:	07-26-96
Laboratory Number:	A418	Date Sampled:	07-25-96
Chain of Custody:	4879	Date Received:	07-26-96
Sample Matrix:	Soil	Date Analyzed:	07-26-96
Preservative:	Cool	Date Extracted:	07-26-96
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	17.5
Toluene	342	16.7
Ethylbenzene	272	15.2
p,m-Xylene	1,140	21.6
o-Xylene	415	10.4
Total BTEX	2,170	

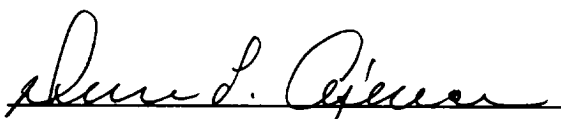
ND - Parameter not detected at the stated detection limit.


Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	100 %
	Bromofluorobenzene	101 %

References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1994.

Comments: Jicarilla #12, Sep. Pit.

  
Analyst

  
Review