

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

**RANKING SCORE (TOTAL POINTS):**

Date Remediation Started: \_\_\_\_\_ Date Completed: 8/13/96

Remediation Method: Excavation ☒ Approx. cubic yards 925  
(check all appropriate) Landfarmed ☒ Insitu Bioremediation \_\_\_\_\_  
Other \_\_\_\_\_

Remediation Location: Onsite \_\_\_\_\_ Offsite ☒ JICARILLA LANDFARM #7  
(i.e. landfarmed onsite, name and location of offsite facility)

General Description of Remedial Action: Excavation + HAUL

Groundwater Encountered: No ☒ 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 20'

Sample date 8/13/96 Sample time 1040

Sample Results

Soil: Benzene (ppm)	_____	Water: Benzene (ppb)	_____
Total BTEX (ppm)	_____	Toluene (ppb)	_____
Field Headspace (ppm)	<u>0.0</u>	Ethylbenzene (ppb)	_____
TPH (ppm)	<u>52</u>	Total Xylenes (ppb)	_____

Groundwater Sample: Yes \_\_\_\_\_ No ☒ (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 8/13/96 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 ☒ NO \_\_\_\_\_ (REASON) \_\_\_\_\_

SIGNED: Kevin C. Mammill DATE: 8-15-96

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CLIENT: <u>CONOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>CA 405</u> C.D.C. NO: _____
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FIELD REPORT: CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>
LOCATION: NAME: <u>JICARILLA</u>	WELL #: <u>18</u>	PIT: <u>SEP</u>
QUAD/UNIT: <u>I</u>	SEC: <u>32</u> TWP: <u>26N</u> RNG: <u>4W</u> PM: <u>NM</u> CNTY: <u>RA</u> ST: <u>NM</u>	DATE STARTED: <u>8/13/96</u> DATE FINISHED: _____
QTR/FOOTAGE: <u>2170' FSL / 920' FEL</u>	CONTRACTOR: <u>ACME / GARCIA</u>	ENVIRONMENTAL SPECIALIST: <u>NV</u>

EXCAVATION APPROX. 37 FT. x 42 FT. x 19 FT. DEEP. CUBIC YARDAGE: 925

DISPOSAL FACILITY: JICARILLA LANDFARM #7 REMEDIATION METHOD: LANDFARMED

LAND USE: RANGE LEASE: CONTRACT #120 FORMATION: \_\_\_\_\_

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 27 FT. 567E FROM WELLHEAD.

DEPTH TO GROUNDWATER: 2100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'

NMDCD RANKING SCORE: 0 NMDCD TPH CLOSURE STD: 5000 PPM

SOIL AND EXCAVATION DESCRIPTION:

CHECK ONE:

☒ PIT ABANDONED

☐ STEEL TANK INSTALLED

DR. YELL. ORANGE TO BROWN SAND TO SILTY SAND, NON-COHESIVE, SLIGHTLY MOIST, FIRM TO DENSE, NO APPARENT HC UDDOR IN ANY OF THE OUR SAMPLES, NO VISIBLE STRAINING OBSERVED ANYWHERE W/IN THE EXCAVATION.

CLOSED

FIELD 418.1 CALCULATIONS

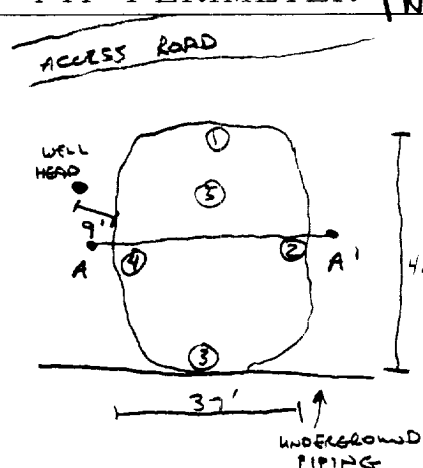
TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1040	5 @ 20'	TPH-1780	5	20	1:1	13	52

SCALE



0 FT

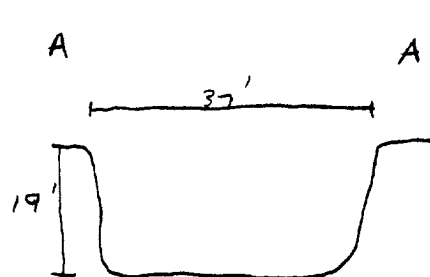
PIT PERIMETER



OVN RESULTS

SAMPLE ID	FIELD HEADSPACE P10 (ppm)
1 @ 12'	0.0
2 @ 12'	0.0
3 @ 12'	0.0
4 @ 12'	0.0
5 @ 20'	0.0

PIT PROFILE



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME

TRAVEL NOTES: CALLOUT: 8/12/96 AFTER. ONSITE: 8/13/96 MORN.

**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: 5 @ 20'  
Project Location: Jicarilla # 18  
Laboratory Number: TPH-1780

Project #:   
Date Analyzed: 08-13-96  
Date Reported: 08-13-96  
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	52	20


ND = Not Detectable at stated detection limits.

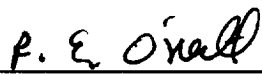
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	1420	1344	5.50

\*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 - CA405

  
Analyst

  
Review