

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

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: _____ Date Completed: 8/9/96

Remediation Method: Excavation ☒ Approx. cubic yards 475
 Check all appropriate sections) 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 18'

Sample date 8/7/96 Sample time 0810

Sample Results

Soil: Benzene	(ppm)	<u>0.112</u>	Water: Benzene	(ppb)	_____
Total BTEX	(ppm)	<u>19.930</u>	Toluene	(ppb)	_____
Field Headspace	(ppm)	<u>1070</u>	Ethylbenzene	(ppb)	_____
TPH	(ppm)	<u>1,952</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 8/9/96 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) spray w/ Fertiliser + close

SIGNED: Jeffrey C. Blagg DATE: 8-15-96

CLIENT: <u>CONOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>CA397</u> C.D.C. NO: <u>4885</u>
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FIELD REPORT: CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>
LOCATION: NAME: <u>JICARILLA</u>	WELL #: <u>14</u>	PIT: <u>PROD</u>
QUAD/UNIT: <u>P</u>	SEC: <u>31</u>	TWP: <u>26N</u> RNG: <u>4W</u> PM: <u>DM</u> CNTY: <u>RA</u> ST: <u>NM</u>
QTR/FOOTAGE: <u>1100' FSL</u> <u>1100' FEL</u>	CONTRACTOR: <u>ACNE / GARZA</u>	
		ENVIRONMENTAL SPECIALIST: <u>NV</u>

EXCAVATION APPROX. 37 FT. x 23 FT. x 18 FT. DEEP. CUBIC YARDAGE: 475

DISPOSAL FACILITY: JICARILLA LANDFARM #7 REMEDIATION METHOD: LANDFARMED

LAND USE: RANGE LEASE: CONTRACT # 120 FORMATION: _____

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 160 FT. SE FROM WELLHEAD.

DEPTH TO GROUNDWATER: >100' 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

OK. YEL. BROWN SILTY SAND TO SILTY CLAY (EAST, SOUTH, & WEST SIDEWALLS), TO OLIVE GRAY (NORTH SIDEWALL & PIT BOTTOM) NON-COHESIVE TO COHESIVE, SLIGHTLY MOIST, FIRM TO STIFF, SOME GRAVEL W/IN SOUTH SIDEWALL, STRONG HC ODOOR IN NORTH SIDEWALL & PIT BOTTOM OVM SAMPLES, MOST OF NORTH SIDEWALL DISCOLORED AS MENTIONED ABOVE.

CLOSED

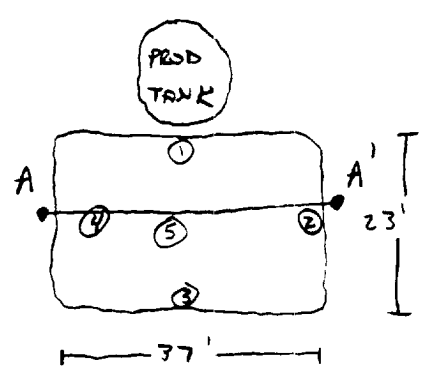
SCALE



FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
0810	⑤ @ 18'	TPH-1765	5	20	1:1	488	1,952

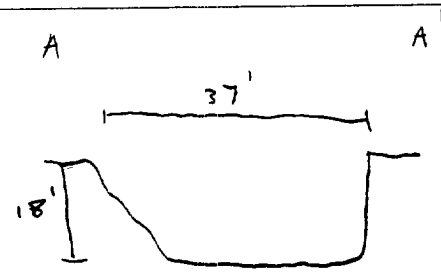
PIT PERIMETER



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 14'	998
2 @ 14'	0.0
3 @ 14'	0.0
4 @ 13'	10.2
5 @ 18'	1070

PIT PROFILE



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
⑤ @ 18'	BTEX	0810

PAASSED

TRAVEL NOTES: CALLOUT: 8/6/96 AFTER. ONSITE: 8/7/96 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 @ 18'
Project Location: Jicarilla #14
Laboratory Number: TPH-1765

Project #:
Date Analyzed: 08-07-96
Date Reported: 08-07-96
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	2,000	20

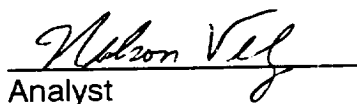
ND = Not Detectable at stated detection limits.

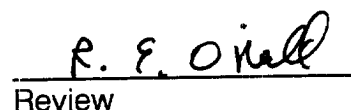
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	3292	3536	7.15

*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 - CA397


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Blagg / Conoco	Project #:	04034
Sample ID:	5 @ 18'	Date Reported:	08-08-96
Laboratory Number:	A451	Date Sampled:	08-07-96
Chain of Custody:	4885	Date Received:	08-08-96
Sample Matrix:	Soil	Date Analyzed:	08-08-96
Preservative:	Cool	Date Extracted:	08-08-96
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	112	11.7
Toluene	3,460	11.1
Ethylbenzene	828	10.1
p,m-Xylene	12,250	14.4
o-Xylene	3,280	6.9
Total BTEX	19,930	

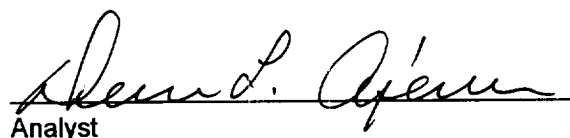
ND - Parameter not detected at the stated detection limit.

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-84 USEPA, Sept. 1994.

Comments: Jicarilla #14 Prod. Tank Pit.


Analyst


Review

[illegible]