

**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

PIT REMEDIATION AND CLOSURE REPORT

Operator: CONOCO, INC. Telephone: (505) 324-5884

Address: 3315 Bloomfield Hwy., Farmington, NM 87401

Facility or Well Name: TICARILLA EG

Location: Unit or Qtr/Qtr Sec B Sec 21 T 26N R 4W County RIO ARIZONA

Pit Type: Separator ☐ Dehydrator ☐ Other PRODUCTION TANK

Land Type: RANGE

Pit Location: Pit dimensions: length 26', width 24', depth 19'
(Attach diagram) Reference: wellhead X, other _____
Footage from reference: 85'
Direction from reference: 10 Degrees X East of North X
West of South _____

RECEIVED
 OCT 2 9 1995
 OIL CON. DIV.
 DIST. 3

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

RANKING SCORE (TOTAL POINTS): 0

CA386

Date Remediation Started: _____ Date Completed: 7/24/96

Remediation Method: Excavation ☒ Approx. cubic yards 400
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, FERTILIZER APPLICATION TO PIT BOTTOM.

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 7/23/96 Sample time 0945

Sample Results

Soil: Benzene	(ppm)	<u>0.0184</u>	Water: Benzene	(ppb)	_____
Total BTEX	(ppm)	<u>29.0</u>	Toluene	(ppb)	_____
Field Headspace	(ppm)	<u>857</u>	Ethylbenzene	(ppb)	_____
TPH	(ppm)	<u>2,256</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 7/24/96 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: Hubert J. [Signature] DATE: 8/20/96

CLIENT: <u>CONOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>CA386</u> C.O.C. NO: <u>4876</u>
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FIELD REPORT: CLOSURE VERIFICATION	PAGE No: <u>1</u> of <u>1</u>
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LOCATION: NAME: <u>JICARILLA</u> WELL #: <u>EG</u> PIT: <u>PROD.</u>	DATE STARTED: <u>7/23/96</u> DATE FINISHED: _____
QUAD/UNIT: <u>B</u> SEC: <u>21</u> TWP: <u>26N</u> RNG: <u>4W</u> PM: <u>NM</u> CNTY: <u>RA</u> ST: <u>NM</u>	ENVIRONMENTAL SPECIALIST: <u>NU</u>
QTR/FOOTAGE: <u>890' FTL/1650' FEL</u> CONTRACTOR: <u>ACME / P+S</u>	

EXCAVATION APPROX. <u>26</u> FT. x <u>24</u> FT. x <u>19</u> FT. DEEP. CUBIC YARDAGE: <u>400</u>
DISPOSAL FACILITY: <u>JICARILLA LANDFARM #7</u> REMEDIATION METHOD: <u>LANDFARMED</u>
LAND USE: <u>RANGE</u> LEASE: <u>CONTRACT #104</u> FORMATION: _____

FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>85</u> FT. <u>N10E</u> FROM WELLHEAD.
DEPTH TO GROUNDWATER: <u>>100'</u> NEAREST WATER SOURCE: <u>21000'</u> NEAREST SURFACE WATER: <u>21000'</u>	CHECK ONE: ☒ PIT ABANDONED ☐ STEEL TANK INSTALLED
NMCD RANKING SCORE: <u>0</u> NMCD TPH CLOSURE STD: <u>5000</u> PPM	

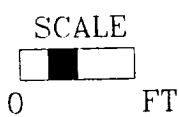
SOIL AND EXCAVATION DESCRIPTION:

MOSTLY DR. GRAY SILTY SAND, COHESIVE, SLIGHTLY MOIST, FIRM, HC ODOR IN ALL OUM SAMPLES, SIDEWALLS SIMILAR IN APPEARANCE AS THAT DESCRIBED FOR OUM SAMPLES ABOVE, FERTILIZER TO BE APPLIED WITHIN THE EXCAVATION AS INDICATED BY THE EXCAVATION CREW.

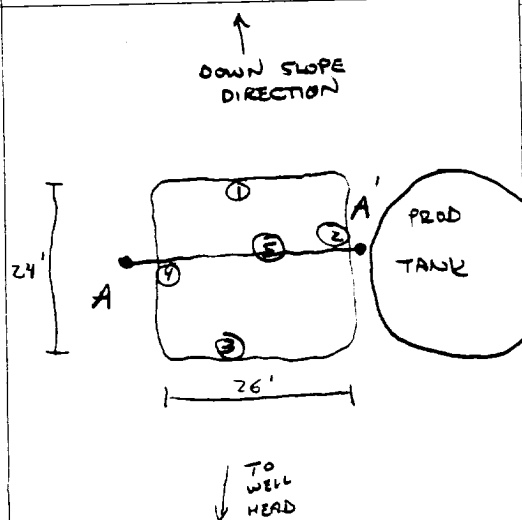
CLOSED

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	ML. FREON	DILUTION	READING	CALC. ppm
0945	⑤ @ 20'	TPH-1739	5	20	1:1	564	2256



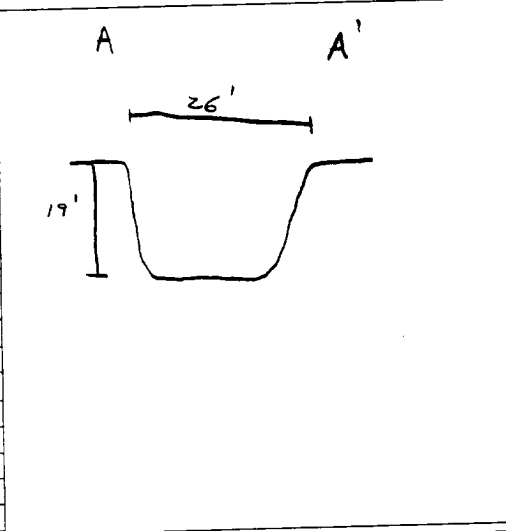
PIT PERIMETER



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 13'	561
2 @ 10'	492
3 @ 10'	662
4 @ 10'	863
5 @ 20'	857

PIT PROFILE



SAMPLE ID	ANALYSIS	TIME
⑤ @ 20'	BTEX	0945
	BENZENE	18.4 ppb
	TOTAL BTEX	29,000 ppb

TRAVEL NOTES: CALLOUT: 7/22/96 AFTER. ONSITE: 7/23/96 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 E6
Laboratory Number: TPH-1739

Project #:
Date Analyzed: 07-23-96
Date Reported: 07-23-96
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	2,300	20

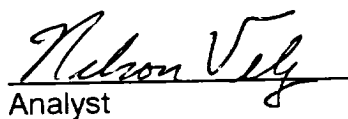
ND = Not Detectable at stated detection limits.

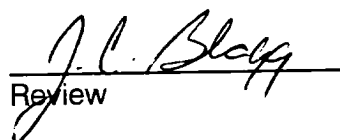
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	724	568	24.15

*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 - JC386


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Blagg / Conoco	Project #:	04034
Sample ID:	5 @ 20'	Date Reported:	07-25-96
Laboratory Number:	A415	Date Sampled:	07-23-96
Chain of Custody:	4876	Date Received:	07-23-96
Sample Matrix:	Soil	Date Analyzed:	07-24-96
Preservative:	Cool	Date Extracted:	07-24-96
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	8.8	8.7
Toluene	7,960	8.3
Ethylbenzene	3,930	7.6
p,m-Xylene	3,800	10.7
o-Xylene	13,300	5.2
Total BTEX	29,000	

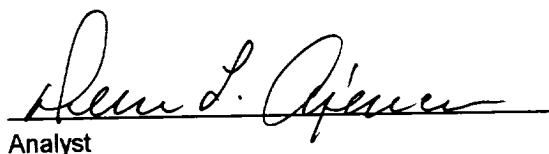
ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	97 %
	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 E6 Prod. Pit.


Analyst


Review

