

CA391

**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: JICARILLA # 4

Location: Unit or Qtr/Qtr Sec L Sec 31 T 26N R 4W County RIO ARriba

Pit Type: Separator Dehydrator Other PRODUCTION TANK

Land Type: RANGE

Pit Location:
(Attach diagram)

Pit dimensions: length 35', width 27', depth 17'

Reference: wellhead X, other

Footage from reference: 93'

Direction from reference: 10 Degrees East of North X
X West of South

Depth To Groundwater:

(Vertical distance from
contaminants to seasonal
high water elevation of
groundwater)

RECEIVED
OCT 29 1996

Less than 50 feet	(20 points)	<u>0</u>
50 feet to 99 feet	(10 points)	<u>0</u>
Greater than 100 feet	(0 points)	<u>0</u>

Distance to an Ephemeral Stream

(Downgradient dry wash greater than
ten feet in width)

OIL CON. DIV.
DIST. 8

Less than 100 feet	(10 points)	<u>0</u>
Greater than 100 feet	(0 points)	<u>0</u>

Distance to Nearest Lake, Playa, or Watering Pond

(Downgradient lakes, playas and
livestock or wildlife watering ponds)

Less than 100 feet	(10 points)	<u>0</u>
Greater than 100 feet	(0 points)	<u>0</u>

Wellhead Protection Area:

(Less than 200 feet from a private
domestic water source, or: less than
1000 feet from all other water sources)

Yes	(20 points)	<u>0</u>
No	(0 points)	<u>0</u>

Distance To Surface Water:

(Horizontal distance to perennial
lakes, ponds, rivers, streams, creeks,
irrigation canals and ditches)

Less than 100 feet	(20 points)	<u>0</u>
100 feet to 1000 feet	(10 points)	<u>0</u>
Greater than 1000 feet	(0 points)	<u>0</u>

RANKING SCORE (TOTAL POINTS): 0

CA391

Date Remediation Started: _____ Date Completed: 8/6/96

Remediation Method: Excavation ☒ Approx. cubic yards 550
 (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. BEDROCK BOTTOM.

Groundwater Encountered: No ☒ Yes _____ Depth _____

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

Sample location see Attached Documents

Sample depth 12'

Sample date 8/5/96 Sample time 0925

Sample Results

Soil: Benzene	(ppm)	<u>0.0269</u>	Water: Benzene	(ppb)	_____
Total BTEX	(ppm)	<u>28.5</u>	Toluene	(ppb)	_____
Field Headspace	(ppm)	<u>1169</u>	Ethylbenzene	(ppb)	_____
TPH	(ppm)	<u>3536</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 8/6/96 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: [Signature] DATE: 8/7/96

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: _____
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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>4</u> PIT: <u>PROD.</u>	DATE STARTED: <u>8/5/96</u> DATE FINISHED: _____
QUAD/UNIT: <u>L</u> SEC: <u>31</u> TWP: <u>26N</u> RNG: <u>4W</u> PM: <u>NM</u> CNTY: <u>RA</u> ST: <u>NM</u>	ENVIRONMENTAL SPECIALIST: <u>NV</u>
QTR/FOOTAGE: <u>NW/4 SE/4</u> CONTRACTOR: <u>ACME / P+S</u>	

EXCAVATION APPROX. <u>35</u> FT. x <u>27</u> FT. x <u>17</u> FT. DEEP. CUBIC YARDAGE: <u>550</u>
DISPOSAL FACILITY: <u>JICARILLA LANDFARM</u> REMEDIATION METHOD: <u>LANDFARMED</u>
LAND USE: <u>RANGE</u> LEASE: <u>CONTRACT #120</u> FORMATION: _____

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>93</u> FT. <u>N10W</u> FROM WELLHEAD.
DEPTH TO GROUNDWATER: <u>7100'</u> NEAREST WATER SOURCE: <u>>1000'</u> NEAREST SURFACE WATER: <u>>1000'</u>
NMDCD RANKING SCORE: <u>0</u> NMDCD TPH CLOSURE STD: <u>5000</u> PPM

CHECK ONE:
☒ PIT ABANDONED
☐ STEEL TANK INSTALLED

SOIL AND EXCAVATION DESCRIPTION:

OK. YELL. BROWN (EAST, SOUTH, & WEST SIDEWALLS) TO MED. GRAY (NORTH SIDEWALL)
SILTY SAND COHESIVE SLIGHTLY MOIST, FIRM, STRONG HC ODOR IN NORTH & EAST SIDEWALL OUM SAMPLES.

BOTTOM - BEDROCK SANDSTONE TO SHALE, LT MED GRAY IN COLOR, STRONG HC ODOR IN OUM SAMPLE

BEDROCK
BOTTOM

FIELD 418.1 CALCULATIONS

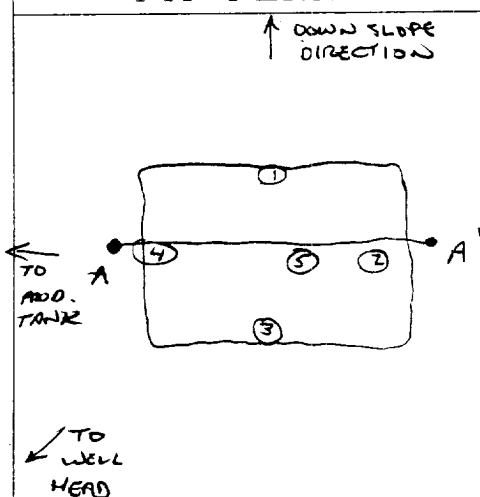
TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
0925	① @ 12'	TPH -1759	5	20	1:1	823	3292
"	"	DUPLICATE	5	20	1:1	884	3536

SCALE



0 FT

PIT PERIMETER



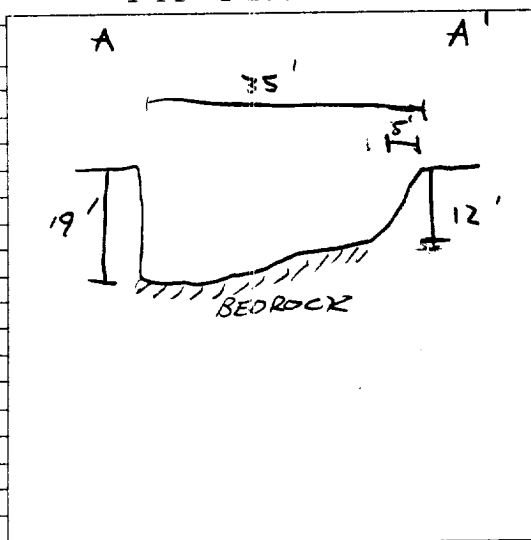
OVM
RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 12'	1169
2 @ 12'	706
3 @ 10'	0.0
4 @ 10'	0.0
5 @ 17'	692

SAMPLE ID	ANALYSIS	TIME
① @ 12'	BTEX	0935

PASSED

PIT PROFILE



TRAVEL NOTES: CALLOUT: <u>8/2/96 AFTER.</u> ONSITE: <u>8/5/96 MORN.</u>

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: 1 @ 12'
Project Location: Jicarilla #4
Laboratory Number: TPH-1759

Project #:
Date Analyzed: 08-05-96
Date Reported: 08-05-96
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	3,300	20

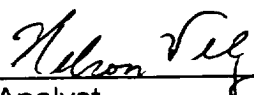
ND = Not Detectable at stated detection limits.

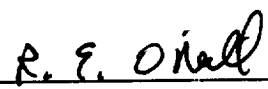
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	3292	3536	7.15

*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 - CA391


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Blagg / Conoco	Project #:	04034
Sample ID:	1 @ 12'	Date Reported:	08-06-96
Laboratory Number:	A448	Date Sampled:	08-05-96
Chain of Custody:	4884	Date Received:	08-06-96
Sample Matrix:	Soil	Date Analyzed:	08-06-96
Preservative:	Cool	Date Extracted:	08-06-96
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	26.9	17.5
Toluene	2,260	16.7
Ethylbenzene	558	15.2
p,m-Xylene	20,600	21.6
o-Xylene	5,050	10.4
Total BTEX	28,500	

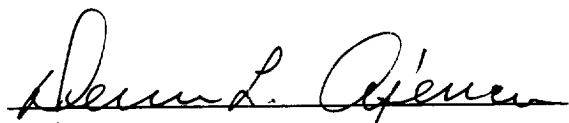
ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	99 %
	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 #4, Prod. Tank Pit.


Analyst


Review

CHAIN OF CUSTODY RECORD

[illegible]**ENVIROTECH INC.**

5796 U.S. Highway 64-3014

Farmington, New Mexico 87401

(505) 632-0615