

CA 404

**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 #17

Location: Unit or Qtr/Qtr Sec B Sec 32 T26N R4W County RIO ARriba

Pit Type: Separator Dehydrator Other BLOW

Land Type: RANGE

Pit Location: (Attach diagram) Pit dimensions: length 33', width 37', depth 18'

Reference: wellhead X, other

Footage from reference: 26'

Direction from reference: 84 Degrees X East of North
 West of South X

Depth To Groundwater:

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

RECEIVED
OCT 23 1986

Less than 50 feet (20 points)
50 feet to 99 feet (10 points)
Greater than 100 feet (0 points)

0

Distance to an Ephemeral Stream

(Downgradient dry wash greater than
ten feet in width)

OIL COLL. DIV.
DIST. 3

Less than 100 feet (10 points)
Greater than 100 feet (0 points)

0

Distance to Nearest Lake, Playa, or Watering Pond

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

Less than 100 feet (10 points)
Greater than 100 feet (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 (20 points)
No (0 points)

0

Distance To Surface Water:

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

Less than 100 feet (20 points)
100 feet to 1000 feet (10 points)
Greater than 1000 feet (0 points)

0

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: _____ Date Completed: _____

Remediation Method: Excavation ☒ Approx. cubic yards 750
Check all appropriate (options) 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 & HAULGroundwater 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 19'Sample date 8/13/96 Sample time 1000

Sample Results

Soil: Benzene	(ppm)	<u>0.23</u>	Water: Benzene	(ppb)	_____
Total BTEX	(ppm)	<u>3.36</u>	Toluene	(ppb)	_____
Field Headspace	(ppm)	<u>904</u>	Ethylbenzene	(ppb)	_____
TPH	(ppm)	<u>1,420</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 _____ 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 ☒ NO _____ (REASON) _____SIGNED: Kenn C. Mammill DATE: 8-15-96

CLIENT: <u>CONOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>CA404</u> C.O.C. NO: <u>4892</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>17</u>	PIT: <u>BLON</u>	DATE STARTED: <u>8/13/96</u>
QUAD/UNIT: <u>B</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 FINISHED: _____
QTR/FOOTAGE: <u>990' FNL / 1850' FEL</u> CONTRACTOR: <u>ACME / GARZA</u>			ENVIRONMENTAL SPECIALIST: <u>NV</u>

EXCAVATION APPROX. <u>33</u> FT. x <u>37</u> FT. x <u>18</u> FT. DEEP.	CUBIC YARDAGE: <u>750</u>
DISPOSAL FACILITY: <u>JICARILLA LANDFARM # 7</u>	REMEDIATION METHOD: <u>LANDFARMED</u>
LAND USE: <u>RANGE</u>	LEASE: <u>CONTRACT # 120</u> FORMATION: _____

FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>26</u> FT. <u>584E</u> FROM WELLHEAD.		
DEPTH TO GROUNDWATER: <u>>100'</u>	NEAREST WATER SOURCE: <u>>1000'</u>	NEAREST SURFACE WATER: <u>>1000'</u>	
NMOCB RANKING SCORE: <u>0</u>	NMOCB TPH CLOSURE STD: <u>5000</u> PPM	CHECK ONE: ☒ PIT ABANDONED ☐ STEEL TANK INSTALLED	

SOIL AND EXCAVATION DESCRIPTION:

MOSTLY DK YELL. ORANGE TO BROWN SILTY SAND TO SILTY CLAY (BOTTOM MED. GRAY), NON-COHESIVE, SLIGHTLY MOIST (SIDEWALLS) TO MOIST (BOTTOM) FIRM TO DENSE, STRONG HC ODOR IN BOTTOM OUM SAMPLE, NO VISIBLE STRAINING OBSERVED IN ANY OF THE SIDEWALLS.

SCALE

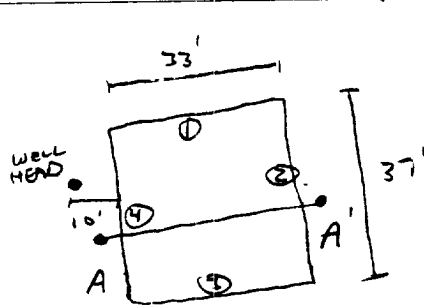
0 FT

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1000	<u>⑤ @ 19'</u>	TPH-1179	5	20	1:1	355	1,420
"	"	DUPLICATE	5	20	1:1	336	1,344

CLOSED

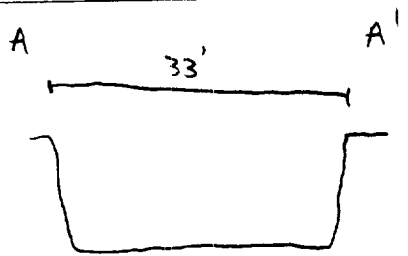
PIT PERIMETER



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 12'	0.0
2 @ 11'	0.0
3 @ 11'	0.0
4 @ 10'	0.0
5 @ 19'	904

PIT PROFILE



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
<u>⑤ @ 19'</u>	<u>BTEX</u>	<u>1000</u>

TRAVEL NOTES:	CALLOUT: <u>8/12/96 AFTER.</u>	ONSITE: <u>8/13/96 MORN.</u>
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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 @ 19'
Project Location: Jicarilla # 17
Laboratory Number: TPH-1779

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	1,400	20

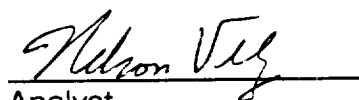
ND = Not Detectable at stated detection limits.

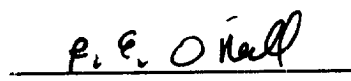
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	1420	1344	5.50

*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: Blow Pit - CA404


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Blagg / Conoco	Project #:	04034
Sample ID:	5 @ 19'	Date Reported:	08-14-96
Laboratory Number:	A474	Date Sampled:	08-13-96
Chain of Custody:	4892	Date Received:	08-14-96
Sample Matrix:	Soil	Date Analyzed:	08-14-96
Preservative:	Cool	Date Extracted:	08-14-96
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	233	17.5
Toluene	573	16.7
Ethylbenzene	165	15.2
p,m-Xylene	1,960	21.6
o-Xylene	424	10.4
Total BTEX	3,360	

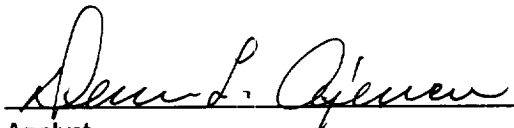
ND - Parameter not detected at the stated detection limit.

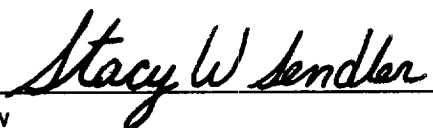
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	101 %
	Bromofluorobenzene	101 %

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 #17 Blow Pit.


Analyst


Review

[illegible]