

CA 447

**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

*Denny S. Faint*  
*Approved*  
*2/26/97*

**PIT REMEDIATION AND CLOSURE REPORT**

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

**Address:** 3315 Bloomfield Hwy., Farmington, NM 87401

**Facility or Well Name:** JICARILLA K #22

**Location:** Unit or Qtr/Qtr Sec M Sec 2 T 25N R 5W County RIO ARriba

**Pit Type:** Separator ☒ Dehydrator ☐ Other ☐

**Land Type:** RANGE

**Pit Location:** Pit dimensions: length 30', width 45', depth 18'  
(Attach diagram)

Reference: wellhead ☒, other ☐

Footage from reference: 125'

Direction from reference: 26 Degrees ☐ East ☐ North ☒ West ☒ 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)  
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 CON. 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

SEP. PIT / CA447

Date Remediation Started: \_\_\_\_\_ Date Completed: 10/1/96Remediation Method: Excavation X Approx. cubic yards 800

(Check all appropriate sections)

Landfarmed X Insitu Bioremediation \_\_\_\_\_

Other \_\_\_\_\_

Remediation Location: Onsite \_\_\_\_\_ Offsite X JICARILLA LANDFARM #7

(i.e. landfarmed onsite, name and location of offsite facility)

General Description of Remedial Action: Excavation & HAUL -Groundwater Encountered: No X 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 9/23/96 Sample time 0745

Sample Results

MISTAKENLY  
RECORDED  
INITIAL TOTAL  
BTEX TO BE  
138.00  
915Soil: Benzene (ppm) 1.350 Water: Benzene (ppb) \_\_\_\_\_Total BTEX (ppm) 38.00 Toluene (ppb) \_\_\_\_\_Field Headspace (ppm) 859 Ethylbenzene (ppb) \_\_\_\_\_TPH (ppm) 3000 Total Xylenes (ppb) \_\_\_\_\_Groundwater Sample: Yes \_\_\_\_\_ No X (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 10/1/96 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: Harold P. [Signature] DATE: 10/22/96

CLIENT: <u>CONOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>CA447</u> C.D.C. NO: <u>4912</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> K WELL #: <u>22</u> PIT: <u>SEP</u> QUAD/UNIT: <u>M</u> SEC: <u>2</u> TWP: <u>25N</u> RNG: <u>5W</u> PM: <u>NM</u> CNTY: <u>RA</u> ST: <u>NM</u> QTR/FOOTAGE: <u>890' FSL / 990' FUL</u> CONTRACTOR: <u>A-ME / GARZA</u>	DATE STARTED: <u>9/30/96</u> DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST: <u>NV</u>
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EXCAVATION APPROX. <u>30</u> FT. x <u>45</u> FT. x <u>18</u> FT. DEEP.	CUBIC YARDAGE: <u>800</u>	
DISPOSAL FACILITY: <u>JICA LANDFARM #7</u>	REMEDIATION METHOD: <u>LANDFARMED</u>	
LAND USE: <u>RANGE</u>	LEASE: <u>CONTRACT #145</u>	FORMATION: _____

FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>125</u> FT. <u>S26W</u> FROM WELLHEAD.
DEPTH TO GROUNDWATER: <u>&gt;100'</u>	NEAREST WATER SOURCE: <u>&gt;1000'</u> NEAREST SURFACE WATER: <u>&gt;1000'</u>
NMOCED RANKING SCORE: <u>0</u>	NMOCED TPH CLOSURE STD: <u>5000</u> PPM

CHECK ONE:
<input type="checkbox"/> PIT ABANDONED
<input checked="" type="checkbox"/> STEEL TANK INSTALLED

SOIL AND EXCAVATION DESCRIPTION:

DK. YELL. BROWN SAND, WEST SIDEWALL + PIT BOTTOM BROWNISH BLACK, NON-COHESIVE, SLIGHTLY MOIST, FIRM, STRONG HC ODOR IN NORTH, WEST SIDEWALLS + PIT BOTTOM OUM SAMPLES, WEST SIDEWALL REVEALED OBVIOUS HC STAINING W/ ODOR.

**CLOSED**

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm

SCALE

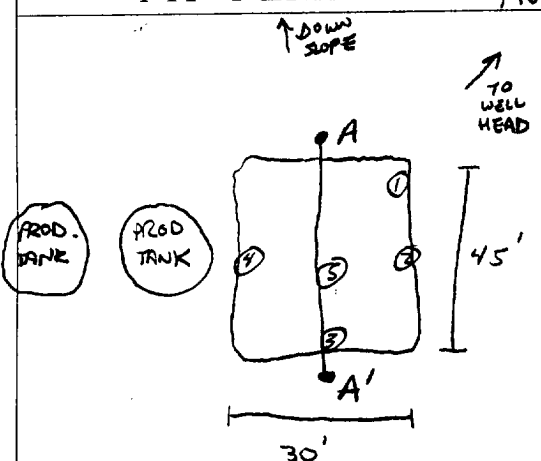


0 FT

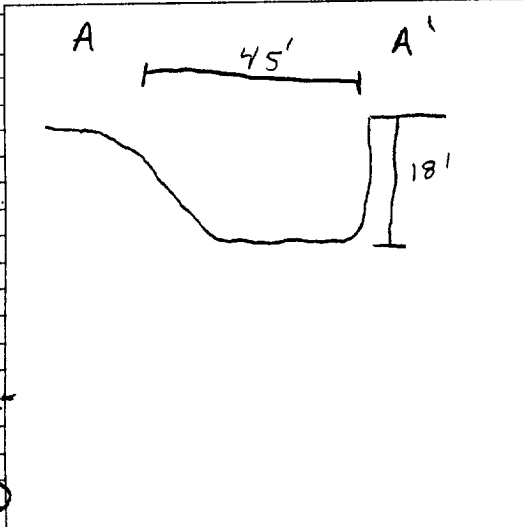
PIT PERIMETER

OVM RESULTS

PIT PROFILE



SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 12'	234
2 @ 13'	0.0
3 @ 13'	0.0
4 @ 12'	596
5 @ 19'	859



SAMPLE ID	ANALYSIS	TIME
3 @ 19'	TPH / BTEX	0745

PASSED PASSED

TRAVEL NOTES:	CALLOUT: <u>9/24/96</u>	ONSITE: <u>9/30/96 MORN.</u>
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# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

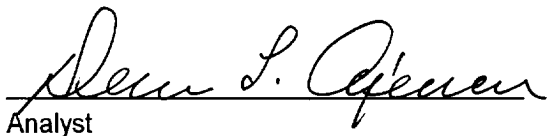
Client:	Blagg / Conoco	Project #:	04034
Sample ID:	5 @ 19'	Date Reported:	10-01-96
Laboratory Number:	A623	Date Sampled:	09-30-96
Chain of Custody No:	4912	Date Received:	09-30-96
Sample Matrix:	Soil	Date Extracted:	10-01-96
Preservative:	Cool	Date Analyzed:	10-01-96
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

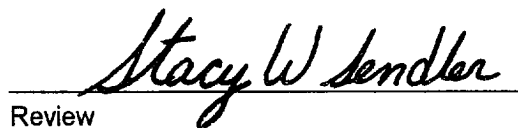
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	1590	0.2
Diesel Range (C10 - C28)	1410	0.1
Total Petroleum Hydrocarbons	3000	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: Jicarilla K #22 Separator Pit.

  
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:	10-01-96
Laboratory Number:	A623	Date Sampled:	09-30-96
Chain of Custody:	4912	Date Received:	09-30-96
Sample Matrix:	Soil	Date Analyzed:	10-01-96
Preservative:	Cool	Date Extracted:	10-01-96
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	1,350	17.5
Toluene	5,090	16.7
Ethylbenzene	3,280	15.2
p,m-Xylene	21,900	21.6
o-Xylene	6,360	10.4
Total BTEX	38,000	


ND - Parameter not detected at the stated detection limit.

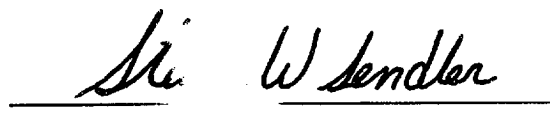
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	98 %
	Bromofluorobenzene	100 %

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 K #22 Separator Pit.

  
Analyst

  
Review

san juan repro Form 572-81