

**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

*Douglas Point
Approved
2/20/77*

PIT REMEDIATION AND CLOSURE REPORT

CA 374

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

Address: 3315 Bloomfield Hwy., Farmington, NM 87401

Facility or Well Name: JICARILLA B8

Location: Unit or Qtr/Qtr Sec K Sec Z5 T Z6N R 4W County RIO ARRIBA

Pit Type: Separator Dehydrator Other PRODUCTION TANK COMBO.

Land Type: RANGE

Pit Location: Pit dimensions: length 33', width 33', depth 22'
(Attach diagram)

Reference: wellhead , other _____

Footage from reference: 90'

Direction from reference: 60 Degrees East of North
_____ West _____ South _____

Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation of groundwater)	RECEIVED OCT 29 1988	Less than 50 feet	(20 points)	<u>0</u>
		50 feet to 99 feet	(10 points)	
		Greater than 100 feet	(0 points)	
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)	<u>0</u>
		Greater than 100 feet	(0 points)	
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)	
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)	
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)	
		Greater than 1000 feet	(0 points)	
RANKING SCORE (TOTAL POINTS):				<u>0</u>

Date Remediation Started: _____ Date Completed: 6/25/96

Remediation Method: Excavation Approx. cubic yards 875
Check all appropriate sections) Landfarmed Insitu Bioremediation _____
Other _____

Remediation Location: Onsite _____ Offsite JICARILLA L.L.P. JICARILLA
(i.e. landfarmed onsite, name and location of offsite facility) LANDFARM # @ 7 km

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 24'
Sample date 6/24/96 Sample time 1335

Sample Results

Soil: Benzene	(ppm)	<u>0.124</u>	Water: Benzene	(ppb)	_____
Total BTEX	(ppm)	<u>48.8</u>	Toluene	(ppb)	_____
Field Headspace	(ppm)	<u>872</u>	Ethylbenzene	(ppb)	_____
TPH	(ppm)	<u>3,420</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 6/25/96 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: 6-27-96

CLIENT: <u>CONOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>CA374</u> C.D.C. NO: _____
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FIELD REPORT: <u>CLOSURE VERIFICATION</u>	PAGE No: <u>1</u> of <u>1</u>
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LOCATION: NAME: <u>JICARILLA</u> WELL #: <u>88</u> PIT: <u>SEP/PROD</u>	DATE STARTED: <u>6/24/96</u> DATE FINISHED: _____
QUAD/UNIT: <u>K</u> SEC: <u>25</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>NE/4 SW/4</u> CONTRACTOR: <u>P+S/ACME</u>	

EXCAVATION APPROX. 33 FT. x 33 FT. x 22 FT. DEEP. CUBIC YARDAGE: 875

DISPOSAL FACILITY: JICARILLA LANDFARM #7 REMEDIATION METHOD: LANDFARM

LAND USE: RANGE LEASE: _____ FORMATION: _____

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 90 FT. N60E FROM WELLHEAD.

DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'

NMOCB RANKING SCORE: 0 NMOCB TPH CLOSURE STD: 5000 PPM

CHECK ONE:

PIT ABANDONED

STEEL TANK INSTALLED

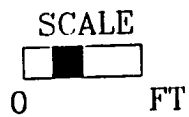
SOIL AND EXCAVATION DESCRIPTION:

SIDEWALLS MOSTLY DR. YELL. BROWN SAND, NON-COHESIVE, SLIGHTLY MOIST FIRM, NO APPARENT HC ODOR IN OVM SAMPLES EXPOSED MASSIVE ROCK IN PIT AREA (APPROX. DIMENSIONS 15' X 10' X 8'), UNDERLYING SOIL LT. TO DR. GRAY, PROBABLY HC CONTAMINATED, BOTTOM DR. GRAY SAND, NON-COHESIVE, SLIGHTLY MOIST FIRM, STRONG HC ODOR IN OVM SAMPLE, DUE TO LIMITED SPACE, EXCAVATION ONLY C DIMENSIONS COMPLETED.

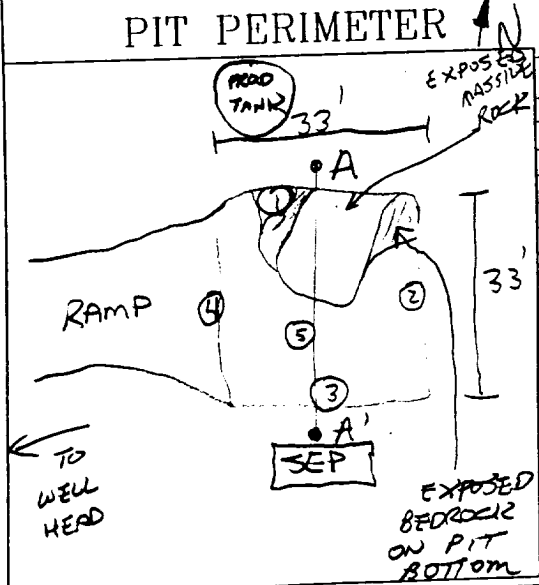
FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1335							

CLOSED



PIT PERIMETER



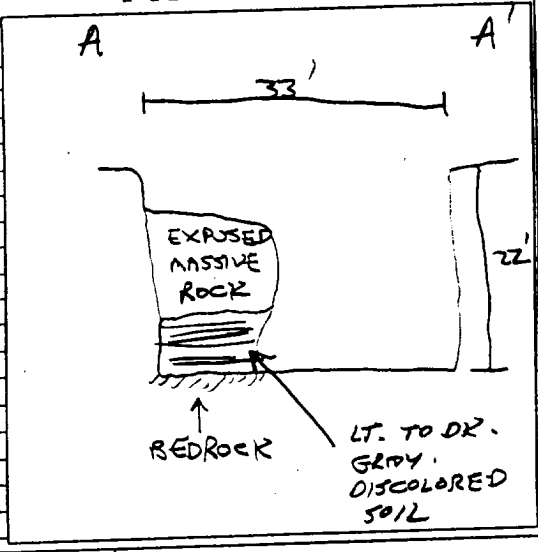
OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 21'	6.3
2 @ 16'	4.0
3 @ 17'	0.0
4 @ 19'	13.9
5 @ 24'	8.92

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
0024	TPH (8015)	1335
	IF TPH < 5000 PPM	
	RUN ATEX (8020)	

PIT PROFILE



TRAVEL NOTES: CALLOUT: 6/21/96 AFTER. ONSITE: 6/24/96 MORN.

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

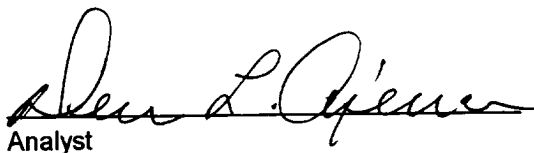
Client:	Blagg / Conoco	Project #:	04034
Sample ID:	5 @ 24'	Date Reported:	06-25-96
Laboratory Number:	A272	Date Sampled:	06-24-96
Chain of Custody No:	4731	Date Received:	06-25-96
Sample Matrix:	Soil	Date Extracted:	06-25-96
Preservative:	Cool	Date Analyzed:	06-25-96
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

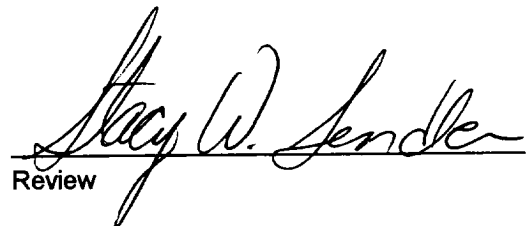
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	2,210	0.2
Diesel Range (C10 - C28)	1,210	0.1
Total Petroleum Hydrocarbons	3,420	0.2

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 B 8 Sep/Prod.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Blagg / Conoco	Project #:	04034
Sample ID:	5 @ 24'	Date Reported:	06-25-96
Laboratory Number:	A272	Date Sampled:	06-24-96
Chain of Custody:	4731	Date Received:	06-25-96
Sample Matrix:	Soil	Date Analyzed:	06-25-96
Preservative:	Cool	Date Extracted:	06-25-96
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	124	11.6
Toluene	4,750	11.1
Ethylbenzene	5,780	10.1
p,m-Xylene	23,700	14.4
o-Xylene	14,400	6.9
Total BTEX	48,800	

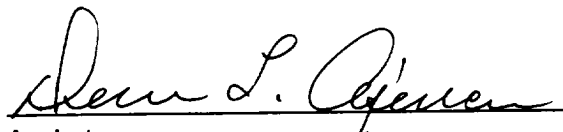
ND - Parameter not detected at the stated detection limit.

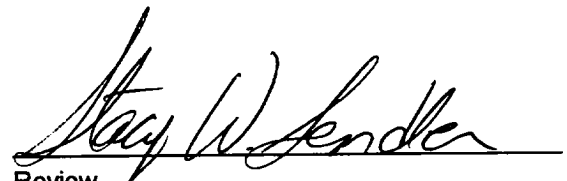
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	101 %
	Bromofluorobenzene	100 %

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 B 8 Sep/Prod.


Analyst


Review

