

SUBMIT 1 COPY TO
NATURAL RESOURCE DEPT
AND OIL & GAS ADMINISTRATION

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: 4-21-99 Date Completed: 4-30-99

Remediation Method: Excavation Approx. cubic yards 0
(Check all appropriate sections) Landfarmed Insitu Bioremediation
Other NONE REQUIRED

Remediation Location: Onsite Offsite NONE
(i.e. landfarmed onsite, name and location of offsite facility)

General Description of Remedial Action: BACKFILL AFTER SAMPLING

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 3' BELOW PIT BOTTOM

Sample date 4-21-99 Sample time 1132

Sample Results

Soil: Benzene	(ppm)	<u>0.013</u>	Water: Benzene	(ppb)	<u> </u>
Total BTEX	(ppm)	<u>0.873</u>	Toluene	(ppb)	<u> </u>
Field Headspace	(ppm)	<u> </u>	Ethylbenzene	(ppb)	<u> </u>
TPH	(ppm)	<u>1.9</u>	Total Xylenes	(ppb)	<u> </u>

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 4-30-99 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 X NO (REASON)

SIGNED: K. C. Mammillo DATE: 6-3-99

CLIENT: <u>CONOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: _____ C.D.C. NO: <u>6844</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>1</u> PIT: <u>PRODUCTION</u>	DATE STARTED: <u>4-21-99</u> DATE FINISHED: <u>4-30-99</u>
QUAD/UNIT: <u>K SEC: 16 TWP: 23N RNG: 2W PM: NMCNTY: RA ST: NM</u>	ENVIRONMENTAL SPECIALIST: <u>J. BLAGG</u>
DTR/FOOTAGE: <u>NE/4 SW/4</u> CONTRACTOR: <u>AZTEC EXCAVATION</u>	

EXCAVATION APPROX. <u>12</u> FT. x <u>12</u> FT. x <u>3</u> FT. DEEP.	CUBIC YARDAGE: <u>0</u>
DISPOSAL FACILITY: <u>NONE-</u>	REMEDATION METHOD: <u>NONE-</u>
LAND USE: <u>TRIBAL</u>	LEASE: <u>JICARILLA 161</u> FORMATION: <u>PXA</u>

FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>15</u> FT. <u>SOUTH</u> FROM WELLHEAD.
DEPTH TO GROUNDWATER: <u>>100</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
SOIL AND EXCAVATION DESCRIPTION:	

CHECK ONE:	
☒	PIT ABANDONED
☐	STEEL TANK INSTALLED
☐	FIBERGLASS TANK INSTALLED

SILTY SANDY CLAY, MOIST, COHESIVE, FIRM, BEGINNING AT BASE OF PIT TO 3' below pit. HIT HARD SANDSTONE @ 3' Below Pit.
MINOR ODOR and Hydrocarbon stain on sandstone surface.
Sample for lab analysis of TPH and BTEX.

FIELD 418.1 CALCULATIONS

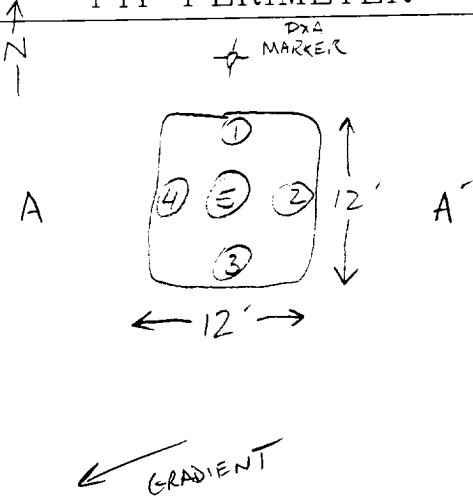
TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm

SCALE



0 FT

PIT PERIMETER

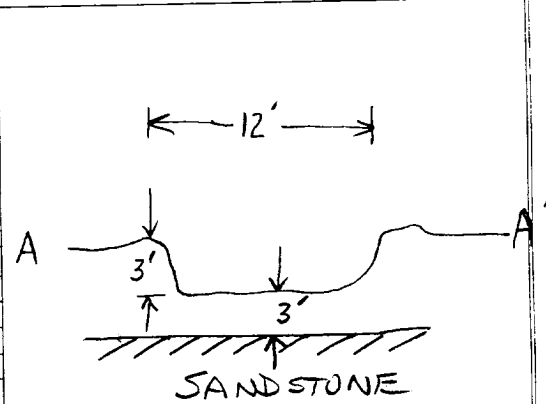


OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1N @ 3'	7.0
2E @ 3'	ND
3S @ 3'	ND
4W @ 3'	ND
5C @ 3'	154

SAMPLE ID	ANALYSIS	TIME
C @ 3'	B015/B021	1132

PIT PROFILE



TRAVEL NOTES:	CALLOUT: _____	ONSITE: _____
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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

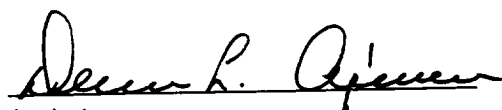
Client:	Blagg / CONOCO	Project #:	403410
Sample ID:	Production C @ 3'	Date Reported:	04-22-99
Laboratory Number:	F073	Date Sampled:	04-21-99
Chain of Custody No:	6844	Date Received:	04-21-99
Sample Matrix:	Soil	Date Extracted:	04-22-99
Preservative:	Cool	Date Analyzed:	04-22-99
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

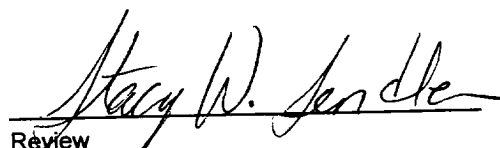
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	1.9	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	1.9	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Jicarilla 1.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / CONOCO	Project #:	403410
Sample ID:	Production C @ 3'	Date Reported:	04-22-99
Laboratory Number:	F073	Date Sampled:	04-21-99
Chain of Custody:	6844	Date Received:	04-21-99
Sample Matrix:	Soil	Date Analyzed:	04-22-99
Preservative:	Cool	Date Extracted:	04-22-99
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	13.3	8.8
Toluene	87.6	8.4
Ethylbenzene	76.8	7.6
p,m-Xylene	396	10.8
o-Xylene	299	5.2
Total BTEX	873	

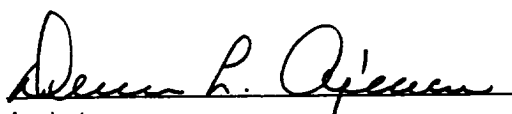
ND - Parameter not detected at the stated detection limit.

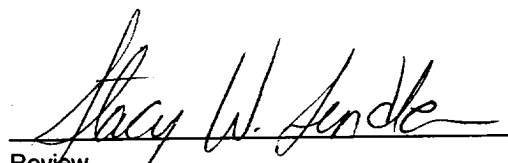
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	100 %
	Bromofluorobenzene	100 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Jicarilla 1.


Analyst


Review

6844

ENVIROTECH INC.