

CA402

SUBMIT 1 COPY TO

NATURAL RESOURCE DEPT

AND OIL & GAS ADMINISTRATION

**JICARILLA APACHE TRIBE
ENVIRONMENTAL PROTECTION OFFICE
P.O. BOX 507
DULCE, NEW MEXICO 87528**

PIT REMEDIATION AND CLOSURE REPORT

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

Address: 3315 Bloomfield Hwy., Farmington, NM 87401

Facility or Well Name: JICARILLA #11

Location: Unit or Qtr/Qtr Sec G Sec 30 T26N R 4W County RIO ARRIJA

Pit Type: Separator Dehydrator Other BLOW

Land Type: RANGE

Pit Location: Pit dimensions: length 35', width 21', depth 19'
(Attach diagram)

Reference: wellhead X, other

Footage from reference: 30'

Direction from reference: 81 Degrees East of North X
X West South

Depth To Groundwater:

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

RECEIVED
OCT 29 1998

Less than 50 feet
50 feet to 99 feet
Greater than 100 feet

(20 points)
(10 points)
(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
Greater than 100 feet

(10 points)
(0 points)

0

Distance to Nearest Lake, Playa, or Watering Pond

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

Less than 100 feet
Greater than 100 feet

(10 points)
(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
No

(20 points)
(0 points)

0

Distance To Surface Water:

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

Less than 100 feet
100 feet to 1000 feet
Greater than 1000 feet

(20 points)
(10 points)
(0 points)

0

0

RANKING SCORE (TOTAL POINTS):

Date Remediation Started: _____ Date Completed: _____

Remediation Method: Excavation ☒ Approx. cubic yards 500
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 20'
Sample date 8/13/96 Sample time 0755

Sample Results

Soil: Benzene	(ppm)	<u>0.24</u>	Water: Benzene	(ppb)	_____
Total BTEX	(ppm)	<u>8.20</u>	Toluene	(ppb)	_____
Field Headspace	(ppm)	<u>255.2</u>	Ethylbenzene	(ppb)	_____
TPH	(ppm)	<u>3,144</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. #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) spray w/ Fertilizer + closeSIGNED: 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>CA402</u> C.D.C. NO: <u>4889</u>
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FIELD REPORT: CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>
LOCATION: NAME: <u>JICARILLA</u> WELL #: <u>11</u> PIT: <u>BLOW</u>		DATE STARTED: <u>8/13/96</u> DATE FINISHED: _____
QUAD/UNIT: <u>G</u> SEC: <u>30</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>1850' FNL / 1450' FEL</u> CONTRACTOR: <u>ACME / GARZA</u>		

EXCAVATION APPROX. 35 FT. x 21 FT. x 19 FT. DEEP. CUBIC YARDAGE: 500

DISPOSAL FACILITY: JICARILLA LANDFARM # 7 REMEDIATION METHOD: LANDFARMED

LAND USE: RANGE LEASE: CONTRACT #120 FORMATION: _____

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 30 FT. N 81° W FROM WELLHEAD.

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

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

CHECK ONE:

☒ PIT ABANDONED

☐ STEEL TANK INSTALLED

SOIL AND EXCAVATION DESCRIPTION:

MOSTLY DK. YELL. BROWN SILTY SAND (BOTTOM OLIVE GRAY), NON-COHESIVE, SLIGHTLY MOIST, DENSE, HC ODOR IN PIT BOTTOM DUM SAMPLE, NO APPARENT STAINING W/IN ANY OF THE SIDEWALLS.

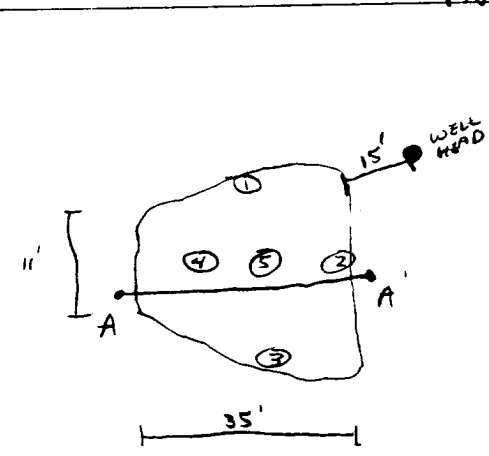
CLOSED

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
0755	5 @ 20'	TAI-1777	5	20	1:1	786	3,144



PIT PERIMETER

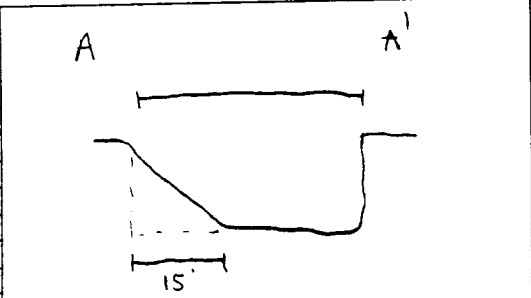


OVN RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 13	17.0
2 13	0.0
3 12	0.0
4 11	0.0
5 20	255.2

LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
5 @ 20'	BTEX	0755

PIT PROFILE



TRAVEL NOTES: CALLOUT: 8/12/96 AFTER. ONSITE: 8/13/96 MORN.

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 @ 20'
Project Location: Jicarilla # 11
Laboratory Number: TPH-1777

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	3,100	20

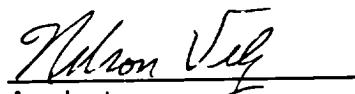
ND = Not Detectable at stated detection limits.

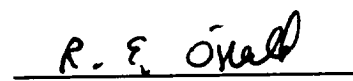
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	3292	3536	7.15

*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: Blow Pit - CA402


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Blagg / Conoco	Project #:	04034
Sample ID:	5 @ 20'	Date Reported:	08-14-96
Laboratory Number:	A471	Date Sampled:	08-13-96
Chain of Custody:	4889	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	236	17.5
Toluene	580	16.7
Ethylbenzene	169	15.2
p,m-Xylene	4,050	21.6
o-Xylene	3,170	10.4
Total BTEX	8,200	

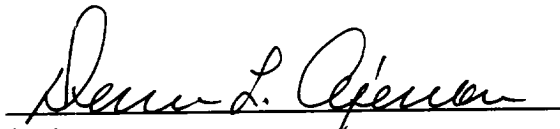
ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	100 %
	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 #11 Blow Pit.


Analyst


Review

10-763 **Library Science** [Dissertation] [Dissertation]

ENVIROTECH INC.

5796 U.S. Highway 64-3014

Farmington, New Mexico 87401

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