

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 #8
Location: Unit or Qtr/Qtr Sec L Sec 32 T26N R 4W County RIO ARRIBA
Pit Type: Separator ☒ Dehydrator ☐ Other PRODUCTION TANK COMBO.
Land Type: RANGE

Pit Location: Pit dimensions: length 35', width 35', depth 17'
(Attach diagram) Reference: wellhead ☒, other ☐
Footage from reference: 78'
Direction from reference: 35 Degrees ☐ East ☒ North ☐ South
☒ West

Depth To Groundwater:

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

RECEIVED
OCT 29 1998

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

Date Remediation Started: _____ Date Completed: 8/9/96

Remediation Method: Excavation ☒ Approx. cubic yards 700

(check all appropriate sections) 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 & 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 18'

Sample date 8/7/96 Sample time 0915

Sample Results

Soil: Benzene	(ppm)	<u>0.463</u>	Water: Benzene	(ppb)	_____
Total BTEX	(ppm)	<u>5.110</u>	Toluene	(ppb)	_____
Field Headspace	(ppm)	<u>127.5</u>	Ethylbenzene	(ppb)	_____
TPH	(ppm)	<u>952</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 8/9/96 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: Joe C. Marshall DATE: 8-15-96

CLIENT: <u>CONOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>CA398</u> C.O.C. NO: <u>4886</u>																																								
FIELD REPORT: CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>																																								
LOCATION: NAME: <u>JICARILLA</u> WELL #: <u>8</u> PIT: <u>SEP/PROD</u>		DATE STARTED: <u>8/7/96</u> DATE FINISHED: _____																																								
QUAD/UNIT: <u>L</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>		ENVIRONMENTAL SPECIALIST: <u>NV</u>																																								
QTR/FOOTAGE: <u>1750' FSL / 790' FWL</u> CONTRACTOR: <u>ACME / GARRA</u>																																										
EXCAVATION APPROX. <u>35</u> FT. x <u>35</u> FT. x <u>17</u> FT. DEEP. CUBIC YARDAGE: <u>700</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>78</u> FT. <u>N35W</u> FROM WELLHEAD.																																										
DEPTH TO GROUNDWATER: <u>2100'</u> NEAREST WATER SOURCE: <u>21000'</u> NEAREST SURFACE WATER: <u>21000'</u>																																										
NMCD RANKING SCORE: <u>0</u> NMCD TPH CLOSURE STD: <u>5000</u> PPM																																										
CHECK ONE: ☒ PIT ABANDONED ☐ STEEL TANK INSTALLED																																										
SOIL AND EXCAVATION DESCRIPTION:																																										
OK. YELL. BROWN SILTY SAND TO SILTY CLAY, EXCEPT PIT BOTTOM (MED. GRAY CLAY), COHESIVE, SLIGHTLY MOIST, FIRM TO STIFF, NO APPARENT HC ODOR IN ANY OF THE SIDEWALL OVM SAMPLES, NO APPARENT STAINING ON ANY SIDEWALLS, SLIGHT HC ODOR IN PIT BOTTOM OVM SAMPLE.																																										
<u>CLOSED</u> SCALE 0 FT FIELD 418.1 CALCULATIONS <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>TIME</th> <th>SAMPLE I.D.</th> <th>LAB No:</th> <th>WEIGHT (g)</th> <th>mL. FREON</th> <th>DILUTION</th> <th>READING</th> <th>CALC. ppm</th> </tr> </thead> <tbody> <tr> <td>0915</td> <td>⑤ @ 18'</td> <td>TPH-1767</td> <td>5</td> <td>20</td> <td>1:1</td> <td>238</td> <td>952</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>			TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm	0915	⑤ @ 18'	TPH-1767	5	20	1:1	238	952																								
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TRAVEL NOTES: CALLOUT: <u>8/6/96 AFTER.</u> ONSITE: <u>8/7/96 MORN.</u>																																										

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 @ 18'
Project Location: Jicarilla #8
Laboratory Number: TPH-1767

Project #:
Date Analyzed: 08-07-96
Date Reported: 08-07-96
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	950	20

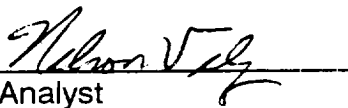
ND = Not Detectable at stated detection limits.

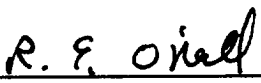
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% * Diff.
	3292	3536	7.15

*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: Separator / Production Tank Pit - CA398


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Blagg / Conoco	Project #:	04034
Sample ID:	5 @ 18'	Date Reported:	08-08-96
Laboratory Number:	A452	Date Sampled:	08-07-96
Chain of Custody:	4886	Date Received:	08-08-96
Sample Matrix:	Soil	Date Analyzed:	08-08-96
Preservative:	Cool	Date Extracted:	08-08-96
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	463	11.6
Toluene	1,250	11.1
Ethylbenzene	221	10.1
p,m-Xylene	2,560	14.4
o-Xylene	613	6.9
Total BTEX	5,110	

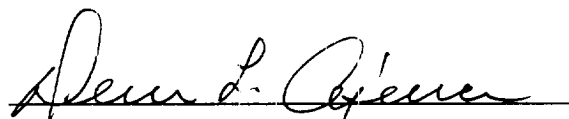
ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	100 %
	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-84 USEPA, Sept. 1994.

Comments: Jicarilla #8 Sep. / Prod. Tank Pit


Analyst


Review

