

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

PIT REMEDIATION AND CLOSURE REPORT

CA 373

Operator: CONOCO, INC. Telephone: (505) 324-5884  
Address: 3315 Bloomfield Hwy., Farmington, NM 87401  
Facility or Well Name: JICARILLA A10  
Location: Unit or Qtr/Qtr Sec 0 Sec 23 T26N R4W County RIO ARRIBA  
Pit Type: Separator ☒ Dehydrator ☐ Other PRODUCTION TANK COMBO.  
Land Type: RANGE

Pit Location:  
(Attach diagram)

Pit dimensions: length 32', width 31', depth 13'

Reference: wellhead ☒ other ☐

Footage from reference: 117'

Direction from reference: 48 Degrees ☒ East of North ☐  
☐ West of South ☒

**Depth To Groundwater:**

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

Less than 50 feet (20 points)  
50 feet to 99 feet (10 points)  
Greater than 100 feet (0 points)

0

RECEIVED  
OCT 29 1993

**Distance to an Ephemeral Stream**

(Downgradient dry wash greater than  
ten feet in width)

Less than 100 feet (10 points)  
Greater than 100 feet (0 points)

0

OIL CORL DIV  
DUGS

**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: 6/24/96

Remediation Method: Excavation ☒ Approx. cubic yards 450  
(check all appropriate sections) Landfarmed ☒ Insitu Bioremediation \_\_\_\_\_  
Other \_\_\_\_\_

Remediation Location: Onsite \_\_\_\_\_ Offsite ☒ JICARILLA C.L.P. JICARILLA  
(i.e. landfarmed onsite, name and location of offsite facility) LANDFARM # 7

General Description of Remedial Action: Excavation & HAUL. BEDROCK BOTTOM.

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 8'

Sample date 6/24/96 Sample time 1145

Sample Results

Soil: Benzene (ppm)	_____	Water: Benzene (ppb)	_____
Total BTEX (ppm)	_____	Toluene (ppb)	_____
Field Headspace (ppm)	<u>0.0</u>	Ethylbenzene (ppb)	_____
TPH (ppm)	<u>52</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 6/24/96 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: For C. Mann DATE: 6-27-96

CLIENT: <u>CONOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>CA373</u> C.D.C. NO: _____
-----------------------	--	---

FIELD REPORT: CLOSURE VERIFICATION	PAGE No: <u>1</u> of <u>1</u>
------------------------------------	-------------------------------

LOCATION: NAME: <u>IKARILLA</u> WELL #: <u>A10</u> PIT: <u>SEP/PROD</u>	DATE STARTED: <u>6/24/96</u> DATE FINISHED: _____
QUAD/UNIT: <u>0</u> SEC: <u>23</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>SW1/4 SE1/4</u> CONTRACTOR: <u>P+S / AEME</u>	

EXCAVATION APPROX. <u>32</u> FT. x <u>31</u> FT. x <u>13</u> FT. DEEP. CUBIC YARDAGE: <u>450</u>
DISPOSAL FACILITY: <u>IKARILLA LANDFARM #7</u> REMEDIATION METHOD: <u>LANDFARMED</u>
LAND USE: <u>RANGE</u> LEASE: <u>#105</u> FORMATION: _____

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>117</u> FT. <u>548E</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:
<input type="checkbox"/> PIT ABANDONED
<input checked="" type="checkbox"/> STEEL TANK INSTALLED

SOIL AND EXCAVATION DESCRIPTION:

DR. YELL. ORANGE TO BROWN SAND, NON-COHESIVE, SLIGHTLY MOIST FIRM, NO APPARENT HC ODOR IN ANY OF THE OVM SAMPLES, NO VISIBLE STAINING OBSERVED IN ANY OF THE SIDEWALLS.

BOTTOM - BEDROCK, SOFT SHALE, LT. GRAY IN COLOR, STRONG HC ODOR IN OVM SAMPLE.

**BEDROCK**

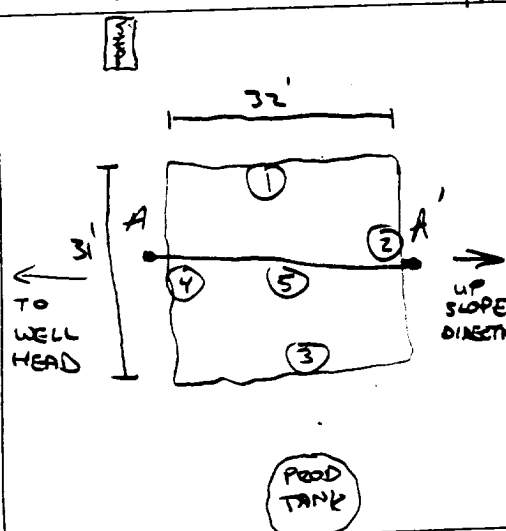
FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1145	208'	TPH-1730	5	20	1:1	13	52

SCALE



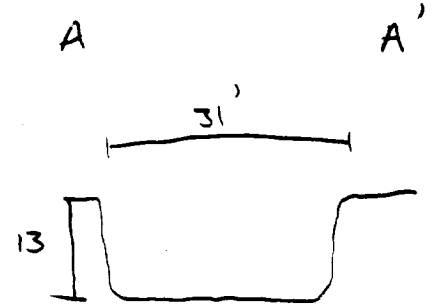
PIT PERIMETER



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE P10 (ppm)
108'	0.0
208'	0.0
309'	0.0
408'	0.0
5013'	600

PIT PROFILE



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME

TRAVEL NOTES: CALLOUT: <u>6/21/96 AFTER.</u> ONSITE: <u>6/24/96 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: 2 @ 8'  
Project Location: Jicarilla A 10  
Laboratory Number: TPH-1730

Project #:   
Date Analyzed: 06-24-96  
Date Reported: 06-24-96  
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
-----	-----	-----
Total Recoverable Petroleum Hydrocarbons	52	20

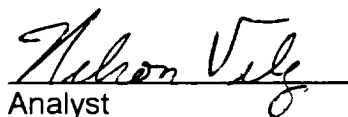
ND = Not Detectable at stated detection limits.

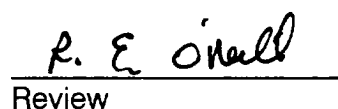
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	-----	-----	-----
	724	568	24.15

\*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 - CA373

  
Analyst

  
Review