

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

SUBMIT 1 COPY TO

NATURAL RESOURCE DEPT

DEPUTY OIL & GAS INSPECTOR

AUG 23 1996

PIT REMEDIATION AND CLOSURE REPORT

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

Address: 3315 Bloomfield Hwy., Farmington, NM 87401

Facility or Well Name: TRIBAL #2

Location: Unit or Qtr/Qtr Sec L Sec 9 T26N R3W County RIO ARriba

Pit Type: Separator____ Dehydrator____ Other PRODUCTION TANK

Land Type: RANGE

Pit Location: Pit dimensions: length 30', width 45', depth 10'
(Attach diagram)

Reference: wellhead X, other _____

Footage from reference: 105'

Direction from reference: 30 Degrees X East of North X
West South _____

Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation of groundwater)	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)	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)
No (0 points) 0

Distance To Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	OIL CON. DIV. DIST. 3	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): 0

Date Remediation Started: _____ Date Completed: 5/2/96

Remediation Method: Excavation ☒ Approx. cubic yards 350
 (check all appropriate sections) Landfarmed ☒ Insitu Bioremediation _____
 Other _____

Remediation Location: Onsite _____ Offsite ☒ JICARILLA L.L.P. - LANDFARM #2
 (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 10'

Sample date 5/2/96 Sample time 1055

Sample Results

Soil: Benzene (ppm)	_____	Water: Benzene (ppb)	_____
Total BTEX (ppm)	_____	Toluene (ppb)	_____
Field Headspace (ppm)	<u>1.2</u>	Ethylbenzene (ppb)	_____
TPH (ppm)	<u>48</u>	Total Xylenes (ppb)	_____

Groundwater Sample: Yes _____ No ☒ (If yes, attach sample results)

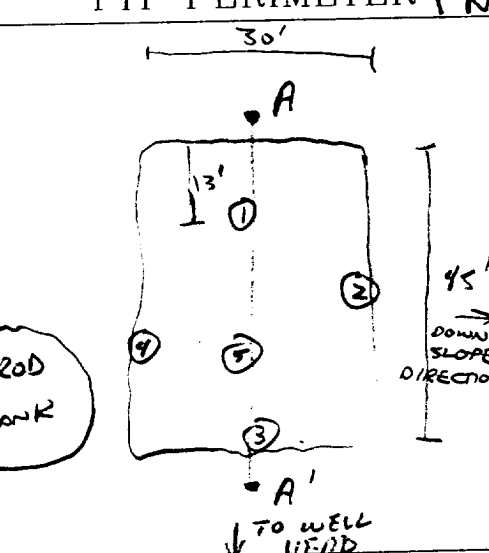
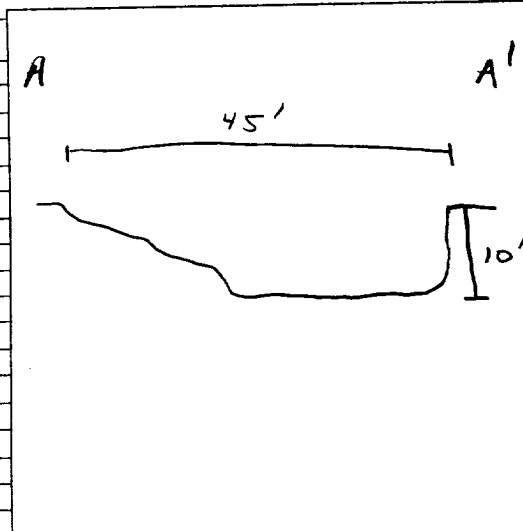
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 5/2/96 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: Jeffrey C. Blagg DATE: 5/6/96

CLIENT: <u>CONOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>CA364</u> C.O.C. NO: _____																																																											
FIELD REPORT: CLOSURE VERIFICATION		PAGE No: _____ of _____																																																											
LOCATION: NAME: <u>TRIBAL</u> WELL #: <u>2</u> PIT: <u>PROD.</u> QUAD/UNIT: <u>L</u> SEC: <u>9</u> TWP: <u>26N</u> RNG: <u>3W</u> PM: <u>NM</u> CNTY: <u>RA</u> ST: <u>NM</u> QTR/FOOTAGE: <u>NW 1/4 SW 1/4</u> CONTRACTOR: <u>PJS / ACME</u>		DATE STARTED: <u>5/2/96</u> DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST: <u>NV</u>																																																											
EXCAVATION APPROX. <u>30</u> FT. x <u>45</u> FT. x <u>10</u> FT. DEEP. CUBIC YARDAGE: <u>350</u> DISPOSAL FACILITY: <u>JICARILLA L.L.P. LANDFARM #2</u> REMEDIATION METHOD: <u>LANDFARMED</u> LAND USE: <u>RANGE</u> LEASE: <u>FED. 6090001150</u> FORMATION: _____																																																													
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>105</u> FT. <u>N30E</u> FROM WELLHEAD. DEPTH TO GROUNDWATER: <u>7100'</u> NEAREST WATER SOURCE: <u>71000'</u> NEAREST SURFACE WATER: <u>71000'</u> NMOCB RANKING SCORE: <u>0</u> NMOCB TPH CLOSURE STD: <u>5000</u> PPM																																																													
SOIL AND EXCAVATION DESCRIPTION: <p>MOD. BROWN TO GRAYISH RED SILTY SAND TO SILTY CLAY, SLIGHTLY PLASTIC, SLIGHTLY MOIST, FIRM TO VERY STIFF (NORTH SIDEWALL), NO APPARENT HC ODOR IN ANY OF THE OUM SAMPLES.</p>																																																													
<div style="display: flex; justify-content: space-between;"><div style="width: 30%;"><p><u>CLOSED</u></p><p>SCALE</p><div style="display: flex; align-items: center;"><div style="width: 20px; height: 10px; background-color: black; margin-right: 5px;"></div><div style="width: 20px; height: 10px; background-color: white; margin-right: 5px;"></div></div><p>0 FT</p></div><div style="width: 65%;"><p style="text-align: center;">FIELD 418.1 CALCULATIONS</p><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>1055</td><td>⑤ @ 10'</td><td>TPH-1720</td><td>5</td><td>20</td><td>1:1</td><td>12</td><td>48</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><div style="display: flex; justify-content: space-around; margin-top: 10px;"><div style="width: 30%; text-align: center;"><p>PIT PERIMETER</p></div><div style="width: 30%; text-align: center;"><p>OVM RESULTS</p><table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th>SAMPLE ID</th><th>FIELD HEADSPACE PID (ppm)</th></tr></thead><tbody><tr><td>1 @ 7'</td><td>0.0</td></tr><tr><td>2 @ 6'</td><td>0.0</td></tr><tr><td>3 @ 5'</td><td>1.5</td></tr><tr><td>4 @ 5'</td><td>0.0</td></tr><tr><td>5 @ 10'</td><td>1.2</td></tr></tbody></table><div style="margin-top: 10px;"><p style="text-align: center;">LAB SAMPLES</p><table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th>SAMPLE ID</th><th>ANALYSIS</th><th>TIME</th></tr></thead><tbody><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></tbody></table></div></div><div style="width: 30%; text-align: center;"><p>PIT PROFILE</p></div></div></div></div>			TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm	1055	⑤ @ 10'	TPH-1720	5	20	1:1	12	48																	SAMPLE ID	FIELD HEADSPACE PID (ppm)	1 @ 7'	0.0	2 @ 6'	0.0	3 @ 5'	1.5	4 @ 5'	0.0	5 @ 10'	1.2	SAMPLE ID	ANALYSIS	TIME												
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TRAVEL NOTES: CALLOUT: <u>5/1/96 AFTER.</u> ONSITE: <u>5/2/96 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 @ 10'
Project Location: Tribal # 2
Laboratory Number: TPH-1720

Project #:
Date Analyzed: 05-02-96
Date Reported: 05-02-96
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
-----	-----	-----
Total Recoverable Petroleum Hydrocarbons	48	20

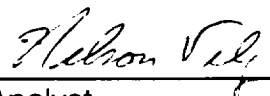
ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	-----	-----	-----
	4640	4500	3.06


* 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: Production Tank Pit - CA364



Analyst



Review

CA364

AND OIL & GAS ADMINISTRATION

Operator: <u>CONOCO, INC.</u>		Telephone: <u>(505) 324-5884</u>	
Address: <u>3315 Bloomfield Hwy., Farmington, NM 87401</u>			
Facility or Well Name: <u>TRIBAL #2</u>			
Location: Unit or Qtr/Qtr Sec <u>L</u> Sec <u>9</u> <u>T26N R3W</u> County <u>RIO ARIZONA</u>			
Pit Type: Separator <input checked="" type="checkbox"/> Dehydrator <input type="checkbox"/> Other <input type="checkbox"/>			
Land Type: <u>RANGE</u>			
Pit Location: (Attach diagram)		Pit dimensions: length <u>25'</u> , width <u>20'</u> , depth <u>20'</u>	
		Reference: wellhead <input checked="" type="checkbox"/> , other <input type="checkbox"/>	
		Footage from reference: <u>35'</u>	
		Direction from reference: <u>7</u> Degrees <input checked="" type="checkbox"/> East of North <input type="checkbox"/> <div style="display: flex; justify-content: space-around; width: 100%;"> <input type="checkbox"/> West <input checked="" type="checkbox"/> South </div>	
Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation of groundwater)		Less than 50 feet 50 feet to 99 feet Greater than 100 feet	(20 points) (10 points) (0 points)
			<u>0</u>
Distance to an Ephemeral Stream (Downgradient dry wash greater than ten feet in width)		Less than 100 feet Greater than 100 feet	(10 points) (0 points)
			<u>0</u>
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)
			<u>0</u>
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)
			<u>0</u>
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)
			<u>0</u>
RANKING SCORE (TOTAL POINTS):			<u>0</u>

Date Remediation Started: _____ **Date Completed:** 5/2/96

Remediation Method: Excavation ☒ **Approx. cubic yards** 275

Check all appropriate sections) Landfarmed ☒ **Insitu Bioremediation** _____

Other _____

Remediation Location: Onsite _____ Offsite JICARILLA L.L.P. - LANDFARM #2
(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 20'

Sample date 5/2/96 Sample time 1100

Sample Results

Soil: Benzene	(ppm)	_____	Water: Benzene	(ppb)	_____
Total BTEX	(ppm)	_____	Toluene	(ppb)	_____
Field Headspace	(ppm)	<u>2.6</u>	Ethylbenzene	(ppb)	_____
TPH	(ppm)	<u>212</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 5/2/96 **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: Jeffrey C. Blagg **DATE:** 5/6/96

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: Tribal # 2
Laboratory Number: TPH-1721

Project #:
Date Analyzed: 05-02-96
Date Reported: 05-02-96
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
-----	-----	-----
Total Recoverable Petroleum Hydrocarbons	210	20

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	-----	-----	-----
	4640	4500	3.06

*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 Pit - CA364

Helson Vely
Analyst

R. E. O'Neill
Review