

CA 411

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

Levy G. Felt
Approved
5/26/97

PIT REMEDIATION AND CLOSURE REPORT

Operator: CONOCO, INC.		Telephone: (505) 324-5884								
Address: 3315 Bloomfield Hwy., Farmington, NM 87401										
Facility or Well Name: JICARILLA K #15										
Location: Unit or Qtr/Qtr Sec <u>I</u> Sec <u>1</u> T25N R5W County <u>RIO ARriba</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>42'</u> , width <u>37'</u> , depth <u>15'</u>								
		Reference: wellhead <input checked="" type="checkbox"/> , other <input type="checkbox"/>								
		Footage from reference: <u>85'</u>								
		Direction from reference: <u>70</u> Degrees <input type="checkbox"/> East of North <input type="checkbox"/> <input checked="" type="checkbox"/> West of South <input checked="" type="checkbox"/>								
Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation of groundwater)		<div style="display: flex; align-items: center;"><div style="border: 1px solid black; padding: 5px; margin-right: 10px;">RECEIVED OCT 29 1996</div><table><tr><td>Less than 50 feet</td><td>(20 points)</td><td rowspan="3"><u>0</u></td></tr><tr><td>50 feet to 99 feet</td><td>(10 points)</td></tr><tr><td>Greater than 100 feet</td><td>(0 points)</td></tr></table></div>		Less than 50 feet	(20 points)	<u>0</u>	50 feet to 99 feet	(10 points)	Greater than 100 feet	(0 points)
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)		<div style="display: flex; align-items: center;"><div style="border: 1px solid black; padding: 5px; margin-right: 10px;">OIL CON. DIV DIST. 3</div><table><tr><td>Less than 100 feet</td><td>(10 points)</td><td rowspan="2"><u>0</u></td></tr><tr><td>Greater than 100 feet</td><td>(0 points)</td></tr></table></div>		Less than 100 feet	(10 points)	<u>0</u>	Greater than 100 feet	(0 points)		
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)		<table><tr><td>Less than 100 feet</td><td>(10 points)</td><td rowspan="2"><u>0</u></td></tr><tr><td>Greater than 100 feet</td><td>(0 points)</td></tr></table>		Less than 100 feet	(10 points)	<u>0</u>	Greater than 100 feet	(0 points)		
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)		<table><tr><td>Yes</td><td>(20 points)</td><td rowspan="2"><u>0</u></td></tr><tr><td>No</td><td>(0 points)</td></tr></table>		Yes	(20 points)	<u>0</u>	No	(0 points)		
Yes	(20 points)	<u>0</u>								
No	(0 points)									
Distance To Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)		<table><tr><td>Less than 100 feet</td><td>(20 points)</td><td rowspan="3"><u>0</u></td></tr><tr><td>100 feet to 1000 feet</td><td>(10 points)</td></tr><tr><td>Greater than 1000 feet</td><td>(0 points)</td></tr></table>		Less than 100 feet	(20 points)	<u>0</u>	100 feet to 1000 feet	(10 points)	Greater than 1000 feet	(0 points)
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): <u>0</u>										

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Date Remediation Started: 8-15-96 Date Completed: 8/21/96

Remediation Method: Excavation ☒ Approx. cubic yards 750
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. 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 3 @ 8'Sample date 8/21/96 Sample time 0915

Sample Results

Soil: Benzene	(ppm)	_____	Water: Benzene	(ppb)	_____
Total BTEX	(ppm)	_____	Toluene	(ppb)	_____
Field Headspace	(ppm)	<u>46.7</u>	Ethylbenzene	(ppb)	_____
TPH	(ppm)	<u>56.</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 8-21-96 PRINTED NAME Jeffrey C. Blagg, P.E. # 11607SIGNATURE 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: Gabriel J. [Signature] DATE: 8/26/96

CLIENT: <u>CONOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>CAY11</u> C.D.C. NO: _____
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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> K WELL #: <u>15</u> PIT: <u>SEP</u> QUAD/UNIT: <u>I</u> SEC: <u>1</u> TWP: <u>25N</u> RNG: <u>5W</u> PM: <u>NM</u> CNTY: <u>RA</u> ST: <u>NM</u> QTR/FOOTAGE: <u>1835' FSL/930' FEL</u> CONTRACTOR: <u>ACME / GARZA</u>	DATE STARTED: <u>8/21/96</u> DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST: <u>NV</u>
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EXCAVATION APPROX. <u>42</u> FT. x <u>37</u> FT. x <u>15</u> FT. DEEP.	CUBIC YARDAGE: <u>750</u>	
DISPOSAL FACILITY: <u>JICARILLA LANDFARM # 7</u>	REMEDIALATION METHOD: <u>LANDFARMED</u>	
LAND USE: <u>RANGE</u>	LEASE: <u>CONTRACT #145</u>	FORMATION: _____

FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>85</u> FT. <u>570W</u> FROM WELLHEAD. DEPTH TO GROUNDWATER: <u>2100'</u> NEAREST WATER SOURCE: <u>21000'</u> NEAREST SURFACE WATER: <u>21000'</u> NMOC RANKING SCORE: <u>0</u> NMOC TPH CLOSURE STD: <u>5000</u> PPM
SOIL AND EXCAVATION DESCRIPTION:	CHECK ONE: <input type="checkbox"/> PIT ABANDONED <input checked="" type="checkbox"/> STEEL TANK INSTALLED

SIDEWALLS MOSTLY OK. YELL. BROWN SAND, NON-COHESIVE, SLIGHTLY MOIST, FIRM, BEDROCK EXPOSED ON NORTH, SOUTH, & WEST SIDEWALLS, THICKEST EXPOSED ON WEST SIDEWALL (10-15' INTERVAL) TAPERING OFF TO THE EAST, SLIGHT HC ODOR IN SOUTH SIDEWALL OUM SAMPLE

BOTTOM - BEDROCK SANDSTONE, HARD, OLIVE GRAY IN COLOR, STRONG HC ODOR IN OUM SAMPLE.

FIELD 418.1 CALCULATIONS

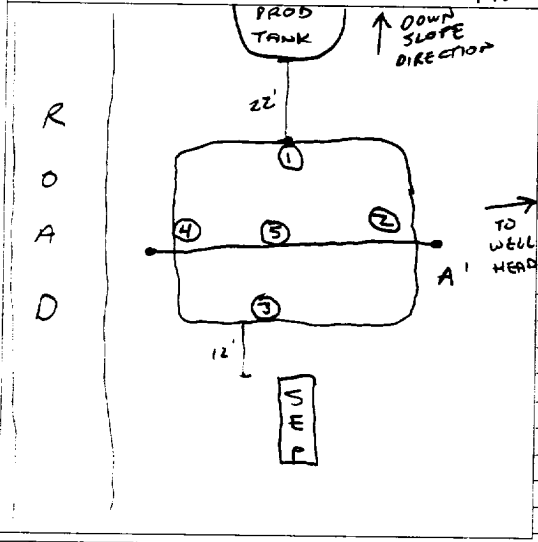
TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
0915	③ @ 8'	TPH -1795	5	20	1:1	14	36



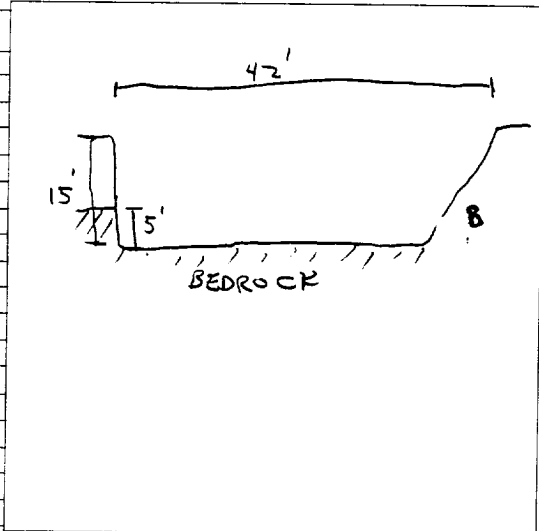
PIT PERIMETER

OVM RESULTS

PIT PROFILE



SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 9'	0.0
2 @ 11'	0.0
3 @ 8'	46.7
4 @ 8'	0.0
5 @ 15'	417



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME

TRAVEL NOTES:	CALLOUT: <u>8/20/96 MORN.</u>	ONSITE: <u>8/21/96 MORN.</u>
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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: 3 @ 8'
Project Location: Jicarilla K # 15
Laboratory Number: TPH-1795

Project #:
Date Analyzed: 08-22-96
Date Reported: 08-22-96
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
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Total Recoverable Petroleum Hydrocarbons	56	20

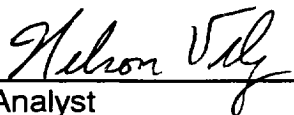
ND = Not Detectable at stated detection limits.

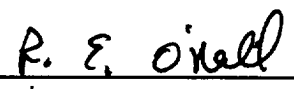
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
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	1420	1344	5.50

*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 - CA411


Analyst


Review