

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
Denny S. Ford
DEPUTY OIL & GAS INSPECTOR

PIT REMEDIATION AND CLOSURE REPORT

AUG 23 1996

CA359

Operator: Conoco, Inc. Telephone: (505) 324-5884
Address: 3315 Bloomfield Hwy. Farmington, NM 87401
Facility or Well Name: JICARILLA D19
Location: Unit or Qtr/Qtr Sec I Sec 31 T26N R3W County RIO ARriba
Pit Type: Separator ☒ Dehydrator ☐ Other PRODUCTION TANK COMBO
Land Type: RANGE

Pit Location: Pit dimensions: length 33', width 35', depth 3'
(Attach diagram) Reference: wellhead ☒, other ☐
Footage from reference: 135
Direction from reference: 77 Degrees ☒ East of North ☒
West 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)	<u>0</u>
Distance to an Ephemeral Stream (Dry Wash greater than ten feet in width)	Less than 100 feet (10 points) Greater than 100 feet (0 points)	<u>0</u>
Distance to Nearest Lake, Playa, or Watering Pond (Dry Wash greater than ten feet in width)	Less than 100 feet (10 points) Greater than 100 feet (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 (20 points) No (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 (20 points) 100 feet to 1000 feet (10 points) Greater than 1000 feet (0 points)	<u>0</u>

RECEIVED
JUN - 5 1996
OIL CON. DIV.
ENR 3

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: _____ Date Completed: 4/24/96

Remediation Method: Excavation ☒ Approx. cubic yards 125

Check all appropriate sections) Landfarmed ☒ Insitu Bioremediation _____

Other _____

Remediation Location: Onsite ☒ Offsite _____

(i.e. landfarmed onsite, name and location of offsite facility)

General Description of Remedial Action: EXCAVATION. ENTIRE EXCAVATION AREA
CONSIST OF BEDROCK

Groundwater Encountered: No ☒ Yes _____ Depth _____

Final Pit: Sample location SEE CLOSURE VERIFICATION - FIELD REPORT

Closure Sampling: ATTACHED

(if multiple samples, attach sample results and diagram of sample locations and depths)

Sample depth 3'

Sample date 4/24/96 Sample time 0850

Sample Results

Soil: Benzene (ppm) _____	Water: Benzene (ppb) _____
Total BTEX (ppm) _____	Toluene (ppb) _____
Field Headspace (ppm) <u>0.0</u>	Ethylbenzene (ppb) _____
TPH (ppm) _____	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 APRIL 24, 1996 PRINTED NAME JEFFREY C. BLAKE

SIGNATURE [Signature] AND TITLE P.E. # 11607

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: [Signature] DATE: 4/25/96

CLIENT: <u>CONOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>CA359</u> C.O.C. NO: _____																																
FIELD REPORT: CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>																																
LOCATION: NAME: <u>JICARILLA</u> WELL #: <u>019</u> PIT: <u>SEP/PROD</u>		DATE STARTED: <u>4/24/96</u> DATE FINISHED: _____																																
QUAD/UNIT: <u>I</u> SEC: <u>31</u> TWP: <u>26N</u> RNG: <u>3W</u> PM: <u>Nm</u> CNTY: <u>RA</u> ST: <u>Nm</u>		ENVIRONMENTAL SPECIALIST: <u>NV</u>																																
QTP/FOOTAGE: <u>NE 1/4</u> <u>SE 1/4</u> CONTRACTOR: <u>P & S / ACME</u>																																		
EXCAVATION APPROX. <u>33</u> FT. x <u>35</u> FT. x <u>3</u> FT. DEEP. CUBIC YARDAGE: <u>125</u>																																		
DISPOSAL FACILITY: <u>ON-SITE</u> REMEDIATION METHOD: <u>LANDFARMED</u>																																		
LAND USE: <u>RANGE</u> LEASE: <u>CONTRACT # 100</u> FORMATION: _____																																		
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>135</u> FT. <u>NTIE</u> FROM WELLHEAD.																																		
DEPTH TO GROUNDWATER: <u>>100'</u> NEAREST WATER SOURCE: <u>>1000'</u> NEAREST SURFACE WATER: <u>>1000'</u>																																		
NMOC D RANKING SCORE: <u>0</u> NMOC D TPH CLOSURE STD: <u>5000</u> PPM																																		
<div style="float: right; border: 1px solid black; padding: 5px; width: fit-content;"> CHECK ONE : <input checked="" type="checkbox"/> PIT ABANDONED <input type="checkbox"/> STEEL TANK INSTALLED </div>																																		
SOIL AND EXCAVATION DESCRIPTION:																																		
<p>ENTIRE EXCAVATION IN BEDROCK (SANDSTONE), MOD. BROWN TO OLIVE GRAY IN COLOR, SOFT TO VERY HARD (BOTTOM), NO APPARENT HC ODOR IN OVM SAMPLES, NO TPH ANALYSIS CONDUCTED DUE TO EXCAVATION BEING ENTIRELY BEDROCK.</p>																																		
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>ENTIRE EXCAVATION IN BEDROCK</p> <p>SCALE</p> <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> </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> </div> </div>			TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm																								
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CA359

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NATURAL RESOURCE DEPT
AND OIL & GAS ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

Operator: Conoco, Inc. Telephone: (505) 324-5884

Address: 3315 Bloomfield Hwy., Farmington, NM 87401

Facility or Well Name: JICARILLA D 19

Location: Unit or Qtr/Qtr Sec I Sec 31 T 26N R 3W County RIO ARriba

Land Type: RANGE

Date Remediation Started: 4/22/96 Date Completed: 4/24/96

Remediation Method: Landfarmed X Approx. cubic yards 125
Composted
Other

Depth To Groundwater: (pts.) 0
Distance to an Ephemeral Stream (pts.) 0
Distance to Nearest Lake, Playa, or Watering Pond (pts.) 0
Wellhead Protection Area: (pts.) 0
Distance To Surface Water: (pts.) 0

RANKING SCORE (TOTAL POINTS): 0

Final Closure Sampling:

Sampling Date: 4/24/96 Time: 0930

Sample Results:

Field Headspace (ppm) 69.1
TPH (ppm) 208 Method 418.1
Other

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

DATE 4/24/96 PRINTED NAME Jeffrey C. Blagg, P.E. #11607
SIGNATURE Jeffrey C. Blagg AND TITLE President

AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES NO (REASON)

SIGNED: DATE:

CLIENT: <u>Canoco</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>CA359</u> C.D.C. NO: _____
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FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: <u>JICARILLA</u>	WELL #: <u>D19</u> PITS: <u>SEP/PROD</u>	DATE STARTED: <u>4/24/96</u>
QUAD/UNIT: <u>I</u> SEC: <u>31</u> TWP: <u>26N</u> RNG: <u>3W</u> PM: <u>NM</u> CNTY: <u>RA</u> ST: <u>NM</u>		DATE FINISHED: _____
QTR/FDOTAGE: <u>NE1/4 SE1/4</u>	CONTRACTOR: <u>P+S/ACME</u>	ENVIRONMENTAL SPECIALIST: <u>NV</u>

SOIL REMEDIATION:

 REMEDIATION SYSTEM: LANDFARMED

 APPROX. CUBIC YARDAGE: 125

 LAND USE: RANGE

 LEASE: CONTRACT # 100

FIELD NOTES & REMARKS:

 DEPTH TO GROUNDWATER: 7100' NEAREST WATER SOURCE: 7000' NEAREST SURFACE WATER: >1000'

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

5 PT. COMPOSITE COLLECTED (I.D. AS LF-1). LIPT
 APPROX. 2' OLIVE GRAY SAND APPARENTLY PULVERIZED
 DURING EXCAVATION FROM PIT. SLIGHT HC ODOR IN
 OVM SAMPLE.

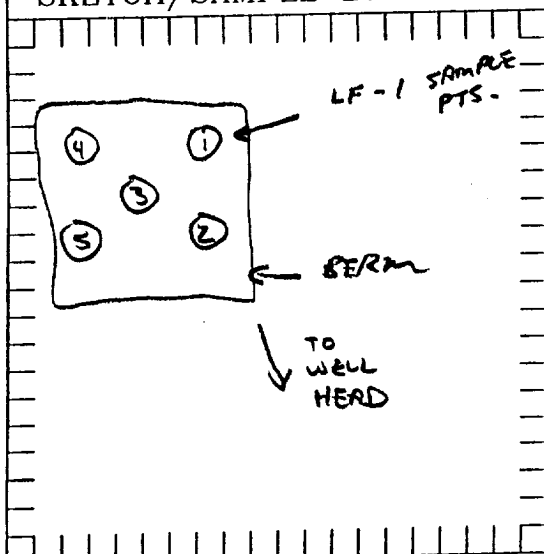
CLOSED

FIELD 418.1 CALCULATIONS

 Time
0930

SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
LF-1	TPH-1717	5	20	1:1	52	208

SKETCH/SAMPLE LOCATIONS



SCALE

 0 FT

OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PHD (ppm)
LF-1	69.1

LAB SAMPLES

SAMPLE ID	ANALYSIS

 TRAVEL NOTES: CALLOUT: 4/24/96 MORN. ONSITE: 4/24/96 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: LF - 1
Project Location: Jicarilla D 20
Laboratory Number: TPH-1717

Project #:
Date Analyzed: 04-24-96
Date Reported: 04-24-96
Sample Matrix: Soil

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

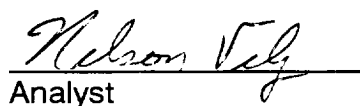
ND = Not Detectable at stated detection limits.

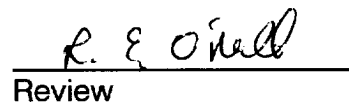
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	4640	4500	3.06

*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: Landfarm - CA359 (5 pt. composite sample)


Analyst


Review