

Denny L. Faust
DEPUTY OIL & GAS INSPECTOR

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

MAY 04 1998

Approved
PIT REMEDIATION AND CLOSURE REPORT

CA 365

Operator: CONOCO, INC. Telephone: (505) 324-5884
Address: 3315 Bloomfield Hwy., Farmington, NM 87401
Facility or Well Name: JICARILLA A 15
Location: Unit or Qtr/Qtr Sec 6 Sec 14 T26N R4W County RIO ARriba
Pit Type: Separator Dehydrator Other PRODUCTION TANK
Land Type: RANGE

Pit Location: Pit dimensions: length 16', width 11', depth 4'
(Attach diagram) Reference: wellhead X, other
Footage from reference: 110'
Direction from reference: 55 Degrees East of North
X West South X

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)	<u>0</u>
	No	(0 points)	
Distance To Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	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: 5/13/96

Remediation Method: Excavation ☒ Approx. cubic yards 10
(check all appropriate sections) Landfarmed _____ Insitu Bioremediation _____
Other STOCKPILED

Remediation Location: Onsite ☒ Offsite _____
(i.e. landfarmed onsite, name and location of offsite facility)

General Description of Remedial Action: Excavation

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 4'

Sample date 5/13/96 Sample time 0910

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>724</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 5/13/96 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: Robert J. Blagg DATE: 5/13/96

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 @ 4'
Project Location: Jicarilla A 15
Laboratory Number: TPH-1722

Project #:
Date Analyzed: 05-13-96
Date Reported: 05-13-96
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
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Total Recoverable Petroleum Hydrocarbons	720	20

ND = Not Detectable at stated detection limits.

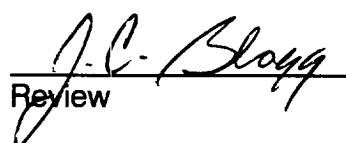
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	-----	-----	-----
	724	568	24.15

*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: Production Tank Pit - CA365


Analyst


Review

CA365

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ENVIRONMENTAL PROTECTION OFFICE
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DULCE, NEW MEXICO 87528**

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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 A 15
Location: Unit or Qtr/Qtr Sec G Sec 14 T26N R4W County RIO ARriba
Land Type: RANGE

Date Remediation Started: 5/6/96 **Date Completed:** 5/13/96
Remediation Method: Landfarmed Approx. cubic yards 10
Composted
Other STOCKPILED

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: 5/13/96 **Time:** 0930
Sample Results:
Field Headspace (ppm) 59.3
TPH (ppm) 320 Method 418.1
Other 5 FT. COMPOSITE SAMPLE, SEE ATTACHED
FIELD REPORT FOR SAMPLE LOCATIONS.

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

DATE 5/13/96 **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: Robert Johnson **DATE:** 5/15/96

CLIENT: <u>CONOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>CA365</u> C.D.C. NO: _____
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FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: <u>JICARILLA</u> WELL #: <u>A 15</u> PITS: <u>P200</u>	DATE STARTED: <u>5/13/96</u>
QUAD/UNIT: <u>G</u> SEC: <u>14</u> TWP: <u>26N</u> RNG: <u>4W</u> PM: <u>NM</u> CNTY: <u>RA</u> ST: <u>NM</u>	DATE FINISHED: _____
QTR/FOOTAGE: <u>SW/4</u> <u>NE/4</u> CONTRACTOR: <u>P & S/ACME</u>	ENVIRONMENTAL SPECIALIST: <u>NV</u>

SOIL REMEDIATION:

REMEDICATION SYSTEM: <u>STOCKPILED</u>	APPROX. CUBIC YARDAGE: <u>10</u>
LAND USE: <u>RANGE</u>	LIFT DEPTH (ft): <u>NA</u>

FIELD NOTES & REMARKS:

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

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

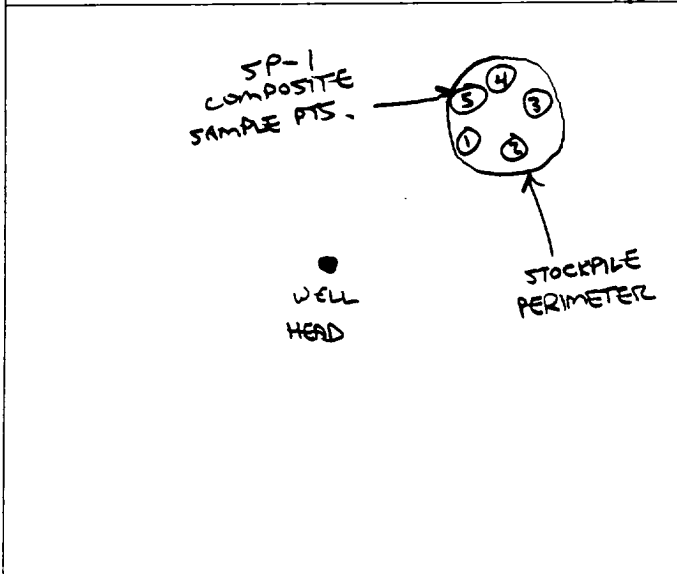
SOIL MOSTLY DR. YEL. ORANGE TO BROWN SAND NON-COHESIVE, DRY TO SLIGHTLY MOIST, LOOSE, SLIGHT HC ODOR IN OVM SAMPLE, SOIL DID NOT INDICATE ANY ISOLATED AREAS OF DISCOLORATION (HOMOGENEOUS), SOME ORGANIC MATERIAL OBSERVED.

CLOSED

FIELD 418.1 CALCULATIONS

SAMP. TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
0930	SP-1	TPH-1723	5	20	1:1	80	320

SKETCH/SAMPLE LOCATIONS

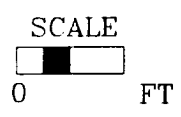


OVM RESULTS

LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE PID (ppm)
SP-1	59.3

SAMPLE ID	ANALYSIS	TIME	RESULTS



TRAVEL NOTES: CALLOUT: 5/13/96 MORN. ONSITE: 5/13/96 MORN.

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Phone: (505)632-1199 Fax: (505)632-3903

**FIELD MODIFIED EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS**

Client: CONOCO
Sample ID: SP - 1
Project Location: Jicarilla A 15
Laboratory Number: TPH-1723

Project #:
Date Analyzed: 05-13-96
Date Reported: 05-13-96
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
-----	-----	-----
Total Recoverable Petroleum Hydrocarbons	320	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: Stockpile (5 pt. composite sample) - CA365


Analyst


Review