

CA 445

**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

Henry G. Jant
Approved
2/26/97

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

Address: 3315 Bloomfield Hwy., Farmington, NM 87401

Facility or Well Name: JICARILLA K #12E

Location: Unit or Qtr/Qtr Sec M Sec 2 T25N R5W County RIO ARABA

Pit Type: Separator ☒ Dehydrator ☐ Other ☐

Land Type: RANGE

Pit Location: (Attach diagram) Pit dimensions: length 31', width 30', depth 19'

Reference: wellhead ☒, other ☐

Footage from reference: 123'

Direction from reference: 57 Degrees ☒ East of North ☒
West South

Depth To Groundwater:

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

RECEIVED
OCT 29 1996

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

Distance to an Ephemeral Stream

(Downgradient dry wash greater than
ten feet in width)

OIL CON. DIV
DIST. 3

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

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: 8-22-96 Date Completed: 9/23/96

Remediation Method: Excavation X Approx. cubic yards 500
ck all appropriate sections) Landfarmed X Insitu Bioremediation _____
Other _____

Remediation Location: Onsite _____ Offsite X JICARILLA LANDFARM #7
(i.e. landfarmed onsite, name and location of offsite facility)

General Description of Remedial Action: Excavation

Groundwater Encountered: No X 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 19'

Sample date 9/23/96 Sample time 1150

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>48</u>	Total Xylenes	(ppb)	_____

Groundwater Sample: Yes _____ No X (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 9/23/96 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 X NO _____ (REASON) _____

SIGNED: R. C. Marshall DATE: 9-24-96

CLIENT: <u>CONOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>CA445</u> C.D.C. NO: _____
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FIELD REPORT: CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>
LOCATION: NAME: <u>JICARILLA</u> K WELL #: <u>1ZE</u> PIT: <u>SEP</u>		DATE STARTED: <u>9/23/96</u>
QUAD/UNIT: <u>M</u> SEC: <u>2</u> TWP: <u>ZSN</u> RNG: <u>SW</u> PM: <u>Nm</u> CNTY: <u>RA</u> ST: <u>NM</u>		DATE FINISHED: _____
QTR/FOOTAGE: <u>SW/4</u> <u>SW/4</u> CONTRACTOR: <u>ACME GARZA</u>		ENVIRONMENTAL SPECIALIST: <u>NV</u>

EXCAVATION APPROX. <u>31</u> FT. x <u>30</u> FT. x <u>19</u> FT. DEEP.	CUBIC YARDAGE: <u>500</u>
DISPOSAL FACILITY: <u>JICARILLA LANDFARM</u> # <u>7</u>	REMEDIAL METHOD: <u>LANDFARMED</u>
LAND USE: <u>RANGE</u>	LEASE: <u>CONTRACT #145</u> FORMATION: _____

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>123</u> FT. <u>N57E</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	
SOIL AND EXCAVATION DESCRIPTION:		

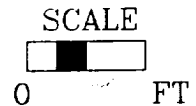
CHECK ONE:
<input type="checkbox"/> PIT ABANDONED
<input checked="" type="checkbox"/> STEEL TANK INSTALLED

mostly lt. olive gray to dk. yell. orange silty sand, cohesive, slightly moist firm to stiff, no apparent HC odor in any of the OVM samples, no apparent staining observed w/in excavation.

CLOSED

FIELD 418.1 CALCULATIONS

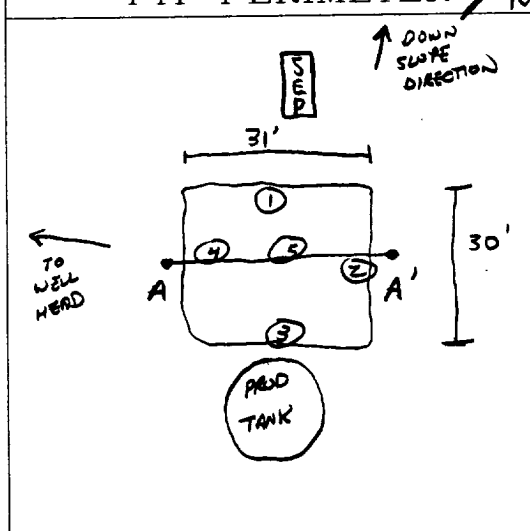
TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
11:50	② @ 19'	TAH-1830	5	20	1:1	12	48



PIT PERIMETER

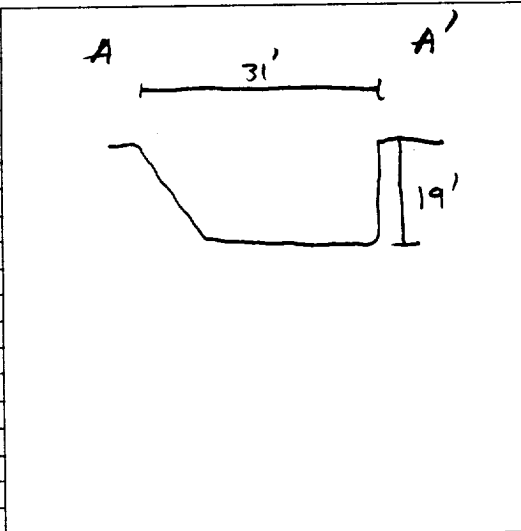
OVM RESULTS

PIT PROFILE



SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 14'	0.0
2 @ 14'	0.0
3 @ 13'	0.0
4 @ 14'	0.0
5 @ 19'	0.0

SAMPLE ID	ANALYSIS	TIME



TRAVEL NOTES:	CALLOUT: <u>9/20/96</u>	ONSITE: <u>9/23/96</u> MORN.
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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: 5 @ 19'
Project Location: Jicarilla K # 12E
Laboratory Number: TPH-1830

Project #:
Date Analyzed: 09-23-96
Date Reported: 09-23-96
Sample Matrix: Soil

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

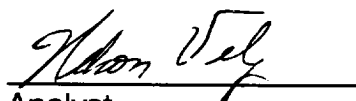
ND = Not Detectable at stated detection limits.

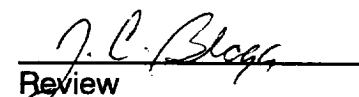
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
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	4640	4400	5.31

*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 - CA445


Analyst


Review