

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

Denny S. Faust
DEPUTY OIL & GAS INSPECTOR
NATURAL RESOURCE DEPT
SUBMIT 1 COPY TO

AUG 23 1996

PIT REMEDIATION AND CLOSURE REPORT

CA355

Operator: Conoco, Inc. Telephone: (505) 324-5894
Address: 3315 Bloomfield Hwy. Farmington, NM 87401
Facility or Well Name: JICARILLA D 17
Location: Unit or Qtr/Qtr Sec D Sec 29 T26N R3W County RIO ARriba
Pit Type: Separator X Dehydrator Other AND PRODUCTION TANK COMBO.
Land Type: RANGE

Pit Location:
(Attach diagram)

Pit dimensions: length 30', width 36', depth 8'

Reference: wellhead X, other

Footage from reference: 99'

Direction from reference: 83 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)	
50 feet to 99 feet	(10 points)	
Greater than 100 feet	(0 points)	<u>10</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>10</u>

RANKING SCORE (TOTAL POINTS): 20

Date Remediation Started: _____ Date Completed: 4/10/96

Remediation Method: Excavation ☒ Approx. cubic yards 300
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. BEDROCK BOTTOM.

Groundwater Encountered: No ☒ Yes _____ Depth _____

Final Pit: Sample location SEE CLOSURE VERIFICATION FIELD REPORT - ATTACHED.
Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths) (NORTH SIDEWALL)
Sample depth 4'
Sample date 4/10/96 Sample time 1130

Sample Results

Soil: Benzene	(ppm)	_____	Water: Benzene	(ppb)	_____
Total BTEX	(ppm)	_____	Toluene	(ppb)	_____
Field Headspace	(ppm)	<u>7.2</u>	Ethylbenzene	(ppb)	_____
TPH	(ppm)	<u>40</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 4-11-96 PRINTED NAME JEFFREY C. BLAGE
SIGNATURE Jeffrey C. Blage AND TITLE NMPE # 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: Kevin C. Mammola DATE: 4-15-96

CLIENT: <u>CONOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>C355</u> C.O.C. NO: _____
-----------------------	--	--

FIELD REPORT: CLOSURE VERIFICATION

 PAGE No: 1 of 1

LOCATION: NAME: <u>TICARILLA</u>	WELL #: <u>D 17</u>	PIT: <u>SEP / PROD</u>	DATE STARTED: <u>4/10/96</u>
QUAD/UNIT: <u>D</u>	SEC: <u>29</u>	TWP: <u>26N</u>	RNG: <u>3W</u>
PM: <u>NM</u>	CNTY: <u>RA</u>	ST: <u>NM</u>	DATE FINISHED: _____
QTR/FOOTAGE: <u>540' FNL / 1110' FNL</u>			CONTRACTOR: <u>P+S / ACME</u>
			ENVIRONMENTAL SPECIALIST: <u>NV</u>

EXCAVATION APPROX. 30 FT. x 36 FT. x 8' FT. DEEP. CUBIC YARDAGE: 300

DISPOSAL FACILITY: TICARILLA U.L.P. LANDFARM #2 REMEDIATION METHOD: LANDFILL

LAND USE: RANGE LEASE: CONTRACT #100 FORMATION: _____

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 99 FT. 583 W FROM WELLHEAD.

DEPTH TO GROUNDWATER: <100' NEAREST WATER SOURCE: 71000' NEAREST SURFACE WATER: <1000'

NMOC D RANKING SCORE: 2.0 NMOC D TPH CLOSURE STD: 100 PPM

CHECK ONE:

☒ PIT ABANDONED

☐ STEEL TANK INSTALLED

SOIL AND EXCAVATION DESCRIPTION:

COMPASS BEARING
TRUE NORTH 137.2°
FROM MAGNETIC NORTH

DETAILS: 0 - 4 FEET: CONSIST OF MODERATE BROWN SILTY SAND, NON-COHESIVE, SLIGHTLY MOIST, FIRM, NO APPARENT HC ODOR IN OUR SAMPLES.

4 - 6 FEET: SOFT SHALE ROCK, VARYING COLORS.

6 - 8 FEET: BEDROCK, MOSTLY SANDSTONE, HARD, MOSTLY LT. GRAY IN COLOR, SLIGHT TO STRONG HC ODOR IN OUR SAMPLE.

BEDROCK

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1130	DE 4'	TAH-1110	5	20	1:1	1.2	40

SCALE

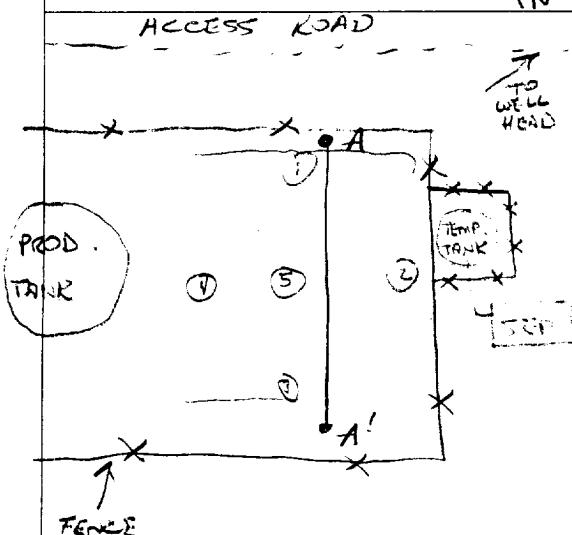


0 FT

PIT PERIMETER

OVM RESULTS

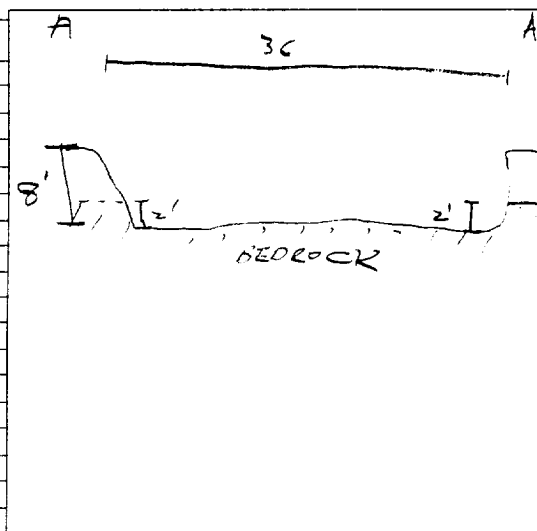
PIT PROFILE



SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 4'	7.2
2 @ 4'	0.0
3 @ 3'	1.8
4 @ 4'	0.0
5 @ 8'	148.1

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME



TRAVEL NOTES:

 CALLOUT: 4/4/96

 ONSITE: 4/10/96

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, INC.
Sample ID: 1 @ 4'
Project Location: Jicarilla D 17
Laboratory Number: TPH-1710

Project #:
Date Analyzed: 04-10-96
Date Reported: 04-10-96
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
-----	-----	-----
Total Recoverable Petroleum Hydrocarbons	40	20

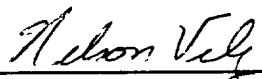
ND = Not Detectable at stated detection limits.


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 / Production Tank Pit - CA355


Analyst


Review