

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

SUBMIT 1 COPY TO  
NATURAL RESOURCE DEPT  
DEPUTY OIL & GAS INSPECTOR

AUG 23 1996

PIT REMEDIATION AND CLOSURE REPORT

CA354

Operator: Conoco, Inc. Telephone: (505) 324-5884  
Address: 3315 Bloomfield Hwy. Farmington, NM 87401  
Facility or Well Name: JICARILLA D II  
Location: Unit or Qtr/Qtr Sec A Sec 29 T 26N R 3W County RIO ARIZONA  
Pit Type: Separator      Dehydrator      Other PRODUCTION TANK  
Land Type: RANGE

Pit Location: Pit dimensions: length 17', width 2-1', depth 6'  
(Attach diagram) Reference: wellhead X, other       
Footage from reference: 75'  
Direction from reference: 69 Degrees      East      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>0</u>

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

RANKING SCORE (TOTAL POINTS): 10

Date Remediation Started: \_\_\_\_\_ Date Completed: 4/10/96

Mediation Method: Excavation ☒ Approx. cubic yards 55  
 (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 & HaulGroundwater Encountered: No ☒ Yes \_\_\_\_\_ Depth \_\_\_\_\_

## Final Pit:

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

Sample location SEE CLOSURE VERIFICATION FIELD REPORT - ATTACHED

(BOTTOM CENTER)

Sample depth 8'Sample date 4/10/96 Sample time 1145

## 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>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. BLAGESIGNATURE 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: Jeffrey C. Blage DATE: 4-15-96

CLIENT: <u>CONOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>CA354</u> C.D.C. NO: _____
-----------------------	--	---

FIELD REPORT: CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>
LOCATION: NAME: <u>JICARILLA</u>	WELL #: <u>011</u>	PIT: <u>PROD. TANK</u>
QUAD/UNIT: <u>A</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>
QTR/FOOTAGE: <u>1190' FNL</u>	<u>1190' FEL</u>	CONTRACTOR: <u>P+S/ACME</u>
		DATE STARTED: <u>4/10/96</u> DATE FINISHED: _____
		ENVIRONMENTAL SPECIALIST: <u>NV</u>

EXCAVATION APPROX. 17 FT. x 21 FT. x 6 FT. DEEP. CUBIC YARDAGE: 55

DISPOSAL FACILITY: JICARILLA L.L.P. LANDFARM #2 REMEDIATION METHOD: LANDFARMED

LAND USE: RANGE LEASE: CONTRACT #100 FORMATION: \_\_\_\_\_

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 75 FT. 569W FROM WELLHEAD.

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

NMCD RANKING SCORE: 10 NMCD TPH CLOSURE STD: 1000 PPM

SOIL AND EXCAVATION DESCRIPTION: COMPASS BEARING TRUE NORTH 134.0 FROM MAGNETIC NORTH

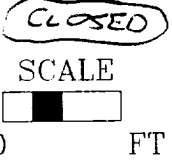
CHECK ONE:

☒ PIT ABANDONED

☐ STEEL TANK INSTALLED

ENTIRE PIT CONSIST OF OK. YELL. TO MODERATE BROWN SAND TO SILTY SAND, NON-COHESIVE, SLIGHTLY MOIST FIRM TO DENSE NO APPARENT HC ODOR IN SIDEWALL DUM SAMPLES, BOTTOM CENTER CONTAINED STRONG HC ODOR (SEE DUM RESULTS). AFTER INVESTIGATING BOTTOM AROUND THE PIT CENTER, PHYSICAL OBSERVATIONS REVEALED THAT ONLY A SMALL PORTION OF THE PIT CENTER CONTAINED POSSIBLE HC CONTAMINATION. A BACKHOE, OPERATED BY JOE VALDEZ, WAS LATER BROUGHT TO THE SITE EXCAVATED THE PIT CENTER DOWN TO 4 FEET FROM GROUND SURFACE AND SAMPLED/TESTED. MATERIAL EXCAVATED WILL BE TRANSPORTED TO LANDFARM #2 (APPROX. 4 C.Y.)

FIELD 418.1 CALCULATIONS

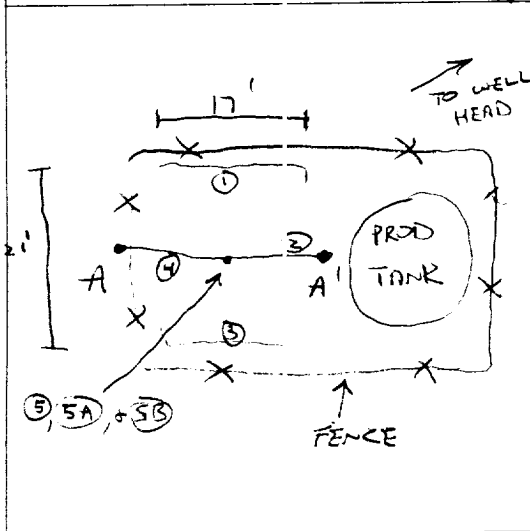


TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1145	5BC 8'	TPH-1711	5	20	1:1	10	40

PIT PERIMETER

OVM RESULTS

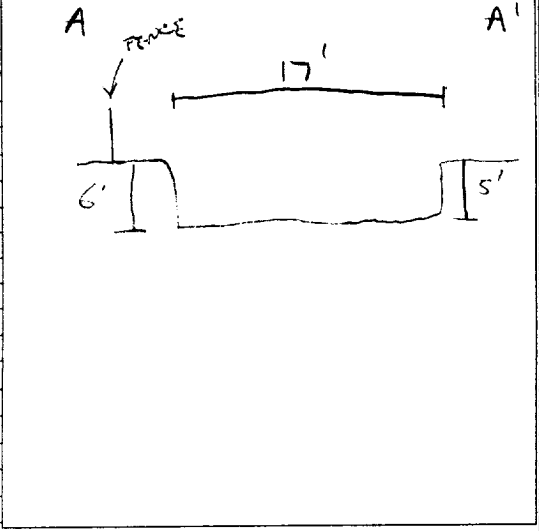
PIT PROFILE



SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 3'	0.0
2 @ 3'	0.0
3 @ 3'	0.0
4 @ 3'	0.0
5 @ 6'	399
5A @ 7'	248.1
5B @ 8'	0.0

LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME



TRAVEL NOTES: CALLOUT: 4/9/96 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: 5B @ 8'  
Project Location: Jicarilla D 11  
Laboratory Number: TPH-1711

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

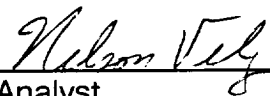
ND = Not Detectable at stated detection limits.

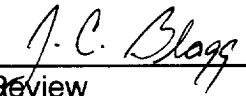
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	4640	4500	3.06

\*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: Production Tank Pit - CA354

  
Analyst

  
Review