

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

CA 367
Denny S. Faust
SUBMIT 1 COPY TO
NATURAL RESOURCE DEPT
AND OIL & GAS ADMINISTRATION
DEPUTY OIL & GAS INSPECTOR

AUG 23 1996

PIT REMEDIATION AND CLOSURE REPORT

Operator: CONOCO, INC. Telephone: (505) 324-5884
Address: 3315 Bloomfield Hwy., Farmington, NM 87401
Facility or Well Name: JICARILLA A 13
Location: Unit or Qtr/Qtr Sec E Sec 13 T26N R4W County RIO ARriba
Pit Type: Separator Dehydrator Other PRODUCTION TANK
Land Type: RANGELAND

Pit Location: Pit dimensions: length 25', width 25', depth 26'
(Attach diagram)
Reference: wellhead X, other
Footage from reference: 135'
Direction from reference: 65 Degrees X East of North
West of 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)	0
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)	0
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)	0
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)	0
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)	0
100 feet to 1000 feet	(10 points)	
Greater than 1000 feet	(0 points)	

RANKING SCORE (TOTAL POINTS): 0

CA367

Date Remediation Started: _____ Date Completed: 5/15/96

Remediation Method: Excavation ☒ Approx. cubic yards 575
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

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 26'

Sample date 5/13/96 Sample time 1145

Sample Results

Soil: Benzene	(ppm)	<u>ND</u>	Water: Benzene	(ppb)	_____
Total BTEX	(ppm)	<u>20.700</u>	Toluene	(ppb)	_____
Field Headspace	(ppm)	<u>625</u>	Ethylbenzene	(ppb)	_____
TPH	(ppm)	<u>5000</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 5/15/96 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. Julian DATE: 5/15/96

CLIENT: <u>CONOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>CA367</u> C.D.C. NO: <u>4727</u>
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FIELD REPORT: CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>
LOCATION: NAME: <u>TICARILLA</u> WELL #: <u>A13</u> PIT: <u>PROD</u>		DATE STARTED: <u>5/13/96</u>
QUAD/UNIT: <u>E</u> SEC: <u>13</u> TWP: <u>26N</u> RNG: <u>4W</u> PM: <u>NM</u> CNTY: <u>RAST</u>		DATE FINISHED: _____
QTR/FOOTAGE: <u>SW/4 NW/4</u> CONTRACTOR: <u>P&S/ACME</u>		ENVIRONMENTAL SPECIALIST: <u>NV</u>

EXCAVATION APPROX. 25 FT. x 25 FT. x 26 FT. DEEP. CUBIC YARDAGE: 575

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

LAND USE: RANGE LEASE: CONTRACT #105 FORMATION: _____

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 135 FT. 565E FROM WELLHEAD.

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

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

SOIL AND EXCAVATION DESCRIPTION:

CHECK ONE:

☒ PIT ABANDONED

☐ STEEL TANK INSTALLED

MOSTLY OK. YELL. BROWN SAND TO SILTY SAND, NON-COHESIVE, SLIGHTLY MOIST, FIRM, SAMPLE ID (4) @ 19' OLIVE GRAY IN COLOR & SLIGHT HC ODOR IN OVM SAMPLE (SEE PIT PROFILE FOR ESTIMATION OF SAMPLE REPRESENTATION), BOTTOM SAMPLE ALSO OLIVE GRAY IN COLOR WITH STRONG HC ODOR IN OVM SAMPLE DUE TO SLUFFING OF SIDELWALLS, MOST OF BOTTOM WAS COVERED @ TIME OF ARRIVAL (NOTE SAMPLE LOCATION FOR PIT BOTTOM)

FIELD 418.1 CALCULATIONS

CLOSED
SCALE



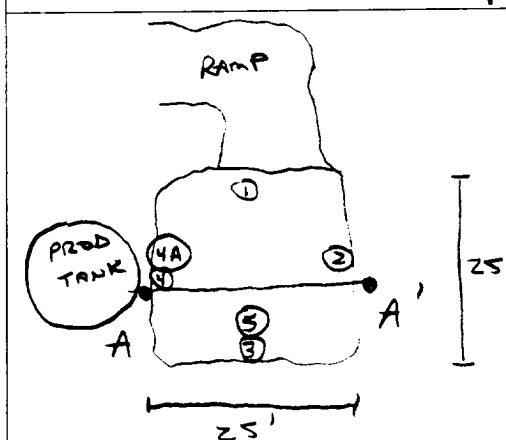
0 FT

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1145	(5) @ 26'	TPH-1725	5	20	10:1	125	5000

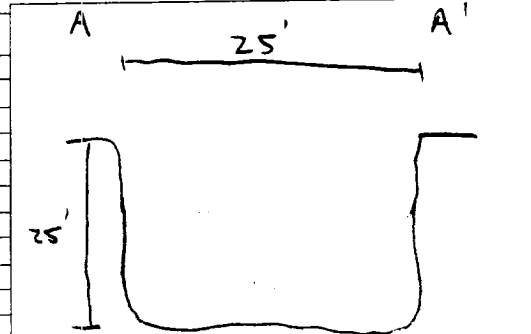
PIT PERIMETER IN

OVM RESULTS

PIT PROFILE

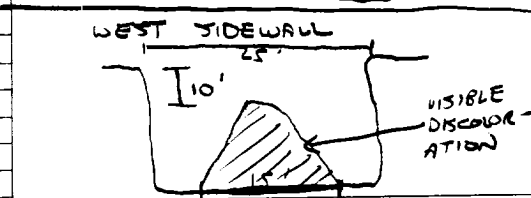


SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 19'	0.0
2 @ 19'	0.0
3 @ 20'	0.0
4 @ 19'	123.9
5 @ 26'	625
4A @ 18'	3.4



SAMPLE ID	ANALYSIS	TIME
(5) @ 26'	BTEX	1145

PASSED



TRAVEL NOTES: CALLOUT: 5/10/96 AFTER. ONSITE: 5/13/96 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: 5 @ 26'
Project Location: Jicarilla A 13
Laboratory Number: TPH-1725

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	5,000	200

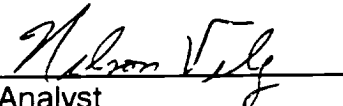
ND = Not Detectable at stated detection limits.

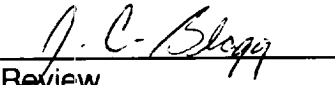
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% * Diff.
	724	568	24.15

*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 - CA367


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Blagg / Conoco	Project #:	04034
Sample ID:	5 @ 26'	Date Reported:	05-14-96
Laboratory Number:	A181	Date Sampled:	05-13-96
Chain of Custody:	4727	Date Received:	05-14-96
Sample Matrix:	Soil	Date Analyzed:	05-14-96
Preservative:	Cool	Date Extracted:	05-14-96
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	22.3
Toluene	107	24.1
Ethylbenzene	1,750	18.9
p,m-Xylene	15,100	35.3
o-Xylene	3,790	23.0
Total BTEX	20,700	

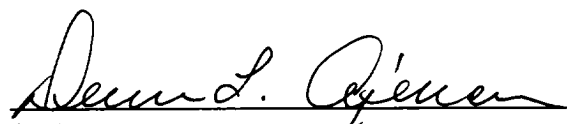
ND - Parameter not detected at the stated detection limit.

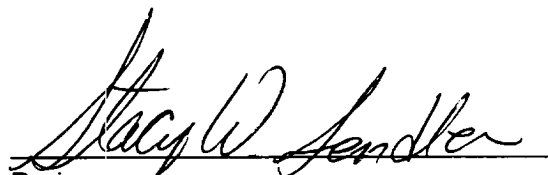
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	99 %
	Bromofluorobenzene	99 %

References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1994.

Comments: Jicarilla A13 Prod.


Analyst


Review

CHAIN OF CUSTODY RECORD

San Juan Negro Form 579-911