

SUBMIT 1 COPY TO

NATURAL RESOURCE DEPT

AND OIL & GAS ADMINISTRATION

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

PIT REMEDIATION AND CLOSURE REPORT

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

Address: 3315 Bloomfield Hwy., Farmington, NM 87401

Facility or Well Name: JICARILLA # 3

Location: Unit or Qtr/Qtr Sec 0 Sec 31 T26N R4W County RIO ARIZONA

Pit Type: Separator ☒ Dehydrator ☐ Other ☐

Land Type: RANGE

Pit Location: Pit dimensions: length 45', width 47', depth 22'
(Attach diagram)

Reference: wellhead X, other _____

Footage from reference: 93'

Direction from reference: 83 Degrees X East of North
West of South X

Depth To Groundwater:

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

RECEIVED
OCT 29 1966

Less than 50 feet	(20 points)
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)

OIL CON. DIV.
DIST. 2

✓ Less than 100 feet (10 points)
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)
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)
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)
100 feet to 1000 feet (10 points)
Greater than 1000 feet (0 points)

RANKING SCORE (TOTAL POINTS): 9

CA390

Date Remediation Started: _____ Date Completed: 8/1/96

Remediation Method: Excavation ☒ Approx. cubic yards 1200
 Check all appropriate sections) Landfarmed ☒ Insitu Bioremediation _____
 Other _____

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

General Description of Remedial Action: Excavation & HAUL.Groundwater Encountered: No ☒ Yes _____ Depth _____

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

Sample location see Attached Documents. MULTIPLE SAMPLES -Sample depth 13'Sample date 7/31/96 Sample time 1020

Sample Results

Soil: Benzene	(ppm)	<u>0.221</u>	Water: Benzene	(ppb)	_____
Total BTEX	(ppm)	<u>40.420</u>	Toluene	(ppb)	_____
Field Headspace	(ppm)	<u>830</u>	Ethylbenzene	(ppb)	_____
TPH	(ppm)	<u>392</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 8/1/96 PRINTED NAME Jeffrey C. Blagg, P.E. #11607SIGNATURE 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: Antoni Julian DATE: 8/5/96

CLIENT: <u>CONOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>CA390</u> C.O.C. NO: <u>4882</u>
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FIELD REPORT: CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>
LOCATION: NAME: <u>JICARILLA</u>	WELL #: <u>3</u>	PIT: <u>SEP</u>
QUAD/UNIT: <u>D</u>	SEC: <u>31</u>	TWP: <u>26</u> RNG: <u>4W</u> PM: <u>NM</u> CNTY: <u>RA</u> ST: <u>NM</u>
QTR/FOOTAGE: <u>NW/4 NW/4</u>	CONTRACTOR: <u>ACME / P+S</u>	
		DATE STARTED: <u>7/31/96</u> DATE FINISHED: _____
		ENVIRONMENTAL SPECIALIST: <u>NV</u>

EXCAVATION APPROX. 45 FT. x 47 FT. x 22 FT. DEEP. CUBIC YARDAGE: 1200

DISPOSAL FACILITY: JICARILLA LANDFARM #7 REMEDIATION METHOD: LANDFARMED

LAND USE: RANGE LEASE: CONTRACT #120 FORMATION: _____

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 93 FT. S83E FROM WELLHEAD.

DEPTH TO GROUNDWATER: 7100' NEAREST WATER SOURCE: 71000' NEAREST SURFACE WATER: 71000'

NMOC D RANKING SCORE: 0 NMOC D TPH CLOSURE STD: 5000 PPM

CHECK ONE:

☐ PIT ABANDONED

☒ STEEL TANK INSTALLED

SOIL AND EXCAVATION DESCRIPTION:

DK. YELL. BROWN SILTY SAND TO SILTY CLAY, EXCEPT SOUTH SIDEWALL WHICH IS DK. GRAY W/ STRONG HC ODOR IN OVM SAMPLE COHESIVE, SLIGHTLY MOIST, FIRM TO STIFF, UNDERGROUND PIPE + SURFACE EQUIP. HINDERING ADDITIONAL EXCAVATION OF SOUTH SIDEWALL (SEE PIT PERIMETER DIAGRAM).

CLOSED

SCALE

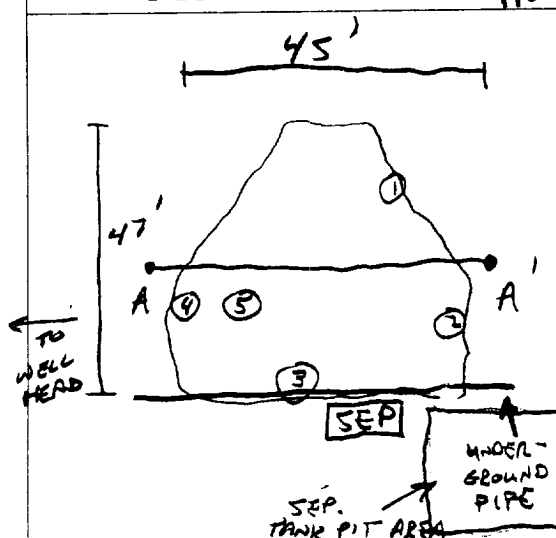


0 FT

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1020	③ @ 13'	TPH-1753	5	20	1:1	98	392
1025	⑤ @ 22'	TPH-1754	5	20	1:1	23	92

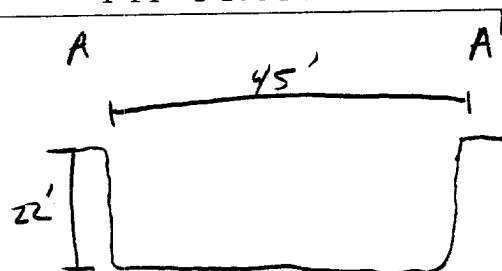
PIT PERIMETER



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 12'	4.1
2 @ 12'	59.9
3 @ 13'	83.0
4 @ 12'	0.0
5 @ 22'	15.5

PIT PROFILE



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
③ @ 13'	BTEX	1020
	<u>PASSED</u>	

TRAVEL NOTES: CALLOUT: 7/30/96 ONSITE: 7/31/96 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: 3 @ 13'
Project Location: Jicarilla #3
Laboratory Number: TPH-1753

Project #:
Date Analyzed: 07-31-96
Date Reported: 07-31-96
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
-----	-----	-----
Total Recoverable Petroleum Hydrocarbons	390	20

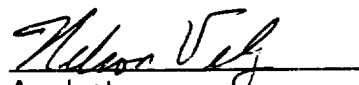
ND = Not Detectable at stated detection limits.

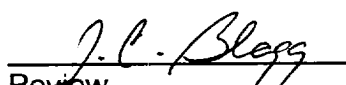
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	-----	-----	-----
	4420	3640	19.35

*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 - CA390


Analyst


Review

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 @ 22'
Project Location: Jicarilla #3
Laboratory Number: TPH-1754

Project #:
Date Analyzed: 07-31-96
Date Reported: 07-31-96
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	92	20

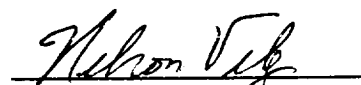
ND = Not Detectable at stated detection limits.

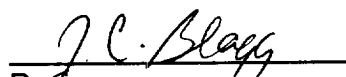
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	4420	3640	19.35

* 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 - CA390


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Blagg / Conoco	Project #:	04034
Sample ID:	3 @ 13'	Date Reported:	08-01-96
Laboratory Number:	A439	Date Sampled:	07-31-96
Chain of Custody:	4882	Date Received:	08-01-96
Sample Matrix:	Soil	Date Analyzed:	08-01-96
Preservative:	Cool	Date Extracted:	08-01-96
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	221	17.5
Toluene	5,800	16.7
Ethylbenzene	1,930	15.2
p,m-Xylene	26,400	21.6
o-Xylene	6,100	10.4
Total BTEX	40,420	

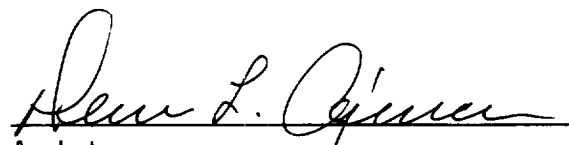
ND - Parameter not detected at the stated detection limit.

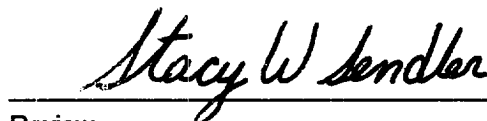
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	100 %
	Bromofluorobenzene	100 %

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 #3, Sep. Pit.


Analyst


Review

CHAIN OF CUSTODY RECORD

Client/Project Name		Project Location		ANALYSIS/PARAMETERS											
BLAKE / CONOCO		JICARRILLA #3													
Sampler: (Signature)				Chain of Custody Tape No.											
Sample No./ Identification		Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	(8020) X28								Remarks
(3) @ 13'		7/31/96	1020	A439	SOIL	1	✓								PRESERV. - COOL
(3) @ 8'		7/31/96	1100	A440	SOIL	1	✓								SEP. PIT
															PROD. TANK PIT
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date		Time							
[Signature]		8/1/96	0725	[Signature]		8/1/96		0725							
Relinquished by: (Signature)				Received by: (Signature)											
[Signature]				[Signature]											
Relinquished by: (Signature)				Received by: (Signature)											
[Signature]				[Signature]											

ENVIROTECH INC.

5796 U.S. Highway 64-3014

Farmington, New Mexico 87401

(505) 632-0615