# Denny & Just JICARILLA APACHE TRIBE DEPUTY OIL & GAS INSPECT ENVIRONMENTAL PROTECTION OFFICE P.O. BOX 507

P.O. BOX 507 DULCE, NEW MEXICO 87528

SUBMIT 1 COPY TO NATURAL RESOURCE DEPT

AND OIL & GAS ADMINISTRATION

MAY 0 4 1996

PIT REMEDIATION AND CLOSURE REPORT

Apple El	AND CLUSURE REPORT
Operator: CONOCO, INC.	<b>Telephone</b> : (505)324-5884
Address: 3315 Bloomfield Hwy., Farmin	
Facility or Well Name: JI CARILLA # 2	
Location: Unit or Qtr/Qtr Sec_M Sec_30	T26N R4W County R10 APRILA
Pit Type: Separator X Dehydrator Other	PRODUCTION
Land Type: たんいらを	
Pit Location: Pit dimensions: length_	40', width 35', depth 20'
(Attach diagram)  Reference: wellhead X	_, other
Footage from reference:	90
Direction from reference: _	<b>30</b> Degrees East North
	West South
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)
Distance to an Ephemeral Stream (Downgradient dry wash greater than ten feet in width)	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)	d 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 SurfaceWater: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, igation 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):

		JIC. #2 SEP/ ARAD.	PW CA389
Date Remediation St	arted:	Date Completed	1: 7-25-86
mediation Method:	•		rds
Lueck all appropriate sections)	Landfarmed X		tion
	Other		
Remediation Location (i.e. landfarmed onsite, name and location of offsite facility)	onsite X Offsite		
General Description	of Remedial Action: Excav	ration	
Groundwater Encoun	itered: No <u>X</u> Ye	s Depth	
Final Pit: Closure Sampling: (if multiple samples,	Sample location see Attac	hed Documents	
attach sample results and diagram of sample	Sample depth		
locations and depths)	Sample date	Sample tii	me
	Sample Results		
Bier skulus	Soil: Benzene (ppn	n) Water:	Benzene (ppb)
Submitted	Total BTEX & (ppr	n) <u>2.95</u>	Toluene (ppb)
	Field Headspace (ppr	n) <u>333</u>	Ethylbenzene (ppb)
	TPH (ppn	n) _710	Total Xylenes (ppb)
Groundwater Sample	: Yes NoX	(If yes, attach sample	results)
I HEREBY CERTIFY KNOWLEGE AND B		BOVE IS TRUE AND CO	MPLETE TO THE BEST OF MY
DATE	- 25-16 PRINTE	D NAMEJeffrey C	. Blagg, P.E.# 11607
_	ly C. Slogg AND		
AFTER REVIEW OF		TION, PIT CLOSURE IS	APPROVED IN ACCORDANCE
APPROVED: YES 2	✓ NO (REASON)		
SIGNED.	Ma DA	ге: <u>7-29-96</u>	

CLIENT: COM	<b>Р</b> ОСО Р.	BLA O. BOX	87, BL	GINEERI OOMFIE 632–1	LD, Ni	NC. M 87413		NO: <u>4879</u>
	FIELD F	REPORT	: PIT	CLOSUF	RE VE	RIFICATIO	NC	
LOCATION: SUBJECT OF THE CONTROL OF	SEC: 30 TWP	ZGN RI	NG: 4 W	BM: NM	CNTY: RA		1	TAL RES
EXCAVATION A DISPOSAL FAC	APPROX. <u>4</u> ILITY:	O FT. ×	35 FT.	× 20	FT. DEE	P. CUBI	- LAN	s far m
FIELD NOTES &	& REMARKS	PIT LOC	ATED APP	ROXIMATEL	Y _ 90	PEET A	130% FI	ROM WELLHEAD.
Y						AREST SURFAC	E WATER:	>1000
NMOCD RANKING SCORE: 10 NMOCD TPH CLOSURE STD: 1000 PPM  SOIL AND EXCAVATION DESCRIPTION: PIT DISPOSITION: ASAMONEO								
SOIL AND EXCA	VATION DES	CRIPTION:	PIT DIS	SPOSITION:		BANDONED	-0.0442.4	HI SAMES
SOIL CONS	uts of i	a moist	, brown,	CLAYET S	illt -	STAW + C	MOR IN	tu sawies.
SCALE 0 10 20FT PIT F	SAMPLE I.D. ES@IS' PERIMET	1752	WEIGHT (g)	1 CALCULA ml. FREON 20.0 OVM ESULTS	TIONS DILUTION			(USE)
1 SURFACE TO PRODUCT	(S) (2) (S) (Sep) (Tep) (wat	N A	2 ES - 1 3 SS - 1 4 WS - 1 5 CO - 2	AB SAMPL	13 33 21 13 73		20	
TRAVEL NOTES:	CALLOUT:	7-25-	96	ONSIT	TE: <u>7-</u> 2	25-96	1250	FORM REVISED 7/95

### **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.

Project #:

Sample ID:

East Side @ 15'

Date Analyzed:

7-25-96

Project Location:

Jicarilla 2

Date Reported:

7-26-96

Laboratory Number:

**TPH #1752** 

Sample Matrix:

Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg	
		******	
Total Recoverable			
Petroleum Hydrocarbons	710	10	

ND = Not Detectable at stated detection limits.

QA/QC:

QA/QC Sample TPH mg/kg Duplicate TPH mg/kg

% \*Diff.

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Din.

4,440

3,640

20

Method:

Modified Method 418.1, Petroleum Hydrocarbons, Total

Recoverable, Chemical Analysis of Water and Waste,

**USEPA Storet No.4551, 1978** 

Comments:

Separator/Production Pit

R. E. OVall Analyst Helson Veg Review

<sup>\*</sup>Administrative Acceptance limits set at 30%.



## EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

		·	
Client:	Blagg / Conoco	Project #:	04034
Sample ID:	E.S. @ 15'	Date Reported:	07-26-96
Laboratory Number:	A416	Date Sampled:	07-25-96
Chain of Custody:	4879	Date Received:	07-26-96
Sample Matrix:	Soil	Date Analyzed:	07-26-96
Preservative:	Cool	Date Extracted:	07-26-96
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	17.5
Toluene	55.1	16.7
Ethylbenzene	94.8	15.2
p,m-Xylene	2,230	21.6
o-Xylene	571	10.4
Total BTEX	2.950	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	98 %
	Bromofluorobenzene	102 %

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 #2, Sep./Prod/ Pit.

Dew L. Gener

Stacy W Sendler
Review

CHAIN OF CUSTODY RECORD

			_	CHAIN OF CUSTODY RECORD	ODY R	ECORD			
Client/Project Name	7 0 /		Project Location				ANALYSIS/PARAMETERS	ERS	
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Sampler: (Signature)	B		Chain of Custody Tape No.	No.	•	λ		œ	Remarks
			Leako		to .d	21			
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample	No Cont	8			
E.S. @ 15 set. // Rad. PIT	22.2	1330	Atra	Soll	_	7		71 CARILLA	LUA #2
CB @ 20'	52-6	000]	4417	SOIL	_	7		MOHERCIA	/# # hm
2,	7-25	1100	4418	Soll	_	7		Tichence	1cd # 12
		•							
Refinquished by: (Signature) R. 2. O N	Man Nall			Date Time R. 7.28	Received by: (Signature)	Signature)	()	-2	7-24-96 7:28
Relinquished by: (Signature)	Leger			80:8 8:02-2	Received By: (Signature)	Signature)	"Bleen	, y	80:8 76-22
Relinquished by: (Signature)	1			т	Received by: (Signature)	Signature)	6	•	
				ENVIROTECH INC. 5796 U.S. Highway 64-3014 Farmington, New Mexico 87401 (505) 632-0615	CH INC way 64-3014 Mexico 874-0615	101			
									ses jess rapro Form 670-61

CA389

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

# **ON-SITE SOIL REMEDIATION REPORT**

Operator: Conoco, Inc. Telephone: (505) 324-5884					
Address: 3315 Bloomfield Hwy., Farmington, NM 87401					
Facility or Well Name: JICALIVA #2					
Location: Unit or Qtr/Qtr Sec M Sec 30 TZEN R4W County R10 ARRIBA					
Land Type: RANGE					
Date Remediation Started: 7/25/96 Date Completed: 8/22/97					
Remediation Method: Landfarmed X Approx. cubic yards /, 000					
Composted					
Other					
pth To Groundwater: (pts.) /O Final Closure Sampling:					
Distance to an Ephemeral Stream (pts.) O Sampling Date: 8 20 97 Time: 1055					
Distance to Nearest Lake, Playa, or Watering Pond  (pts.)   (pts.)					
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY					
NOWLEGE AND BELIEF  DATE 8/22/97 PRINTED NAME Jeffrey C. Blagg, P.E. #11607  SIGNATURE All C. Slage AND TITLE President					
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.					
APPROVED: YES X NO (REASON)					
SIGNED: 1 DATE: 9-2-97					

CLIENT: CONOCO

# BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413

(505)	632-1199	C.D.C. ND: 3342
FIELD REPORT: LANDFARM/COME	POST PILE CLOSURE	
CHEATETT NAME: JICARILLA WELL #: Z		DATE STARTED: 8/20/97  DATE FINISHED:
QUAD, UNIT. M SEC: 36 TWP: ZEN RNG: 4W		ENVIRONMENTAL NV
UTP// DOTAGE 700 FSL/990 FWL CONTRACTOR:	HCINE	or Edition.
SOIL REMEDIATION:		10.00
REMEDIATION SYSTEM: LANDFALMED	_ APPROX. CUBIC Y.	ARDAGE: ///
LAND USE: RANGE	LIFT DEPTH (ft):	12 - 24"
FIELD NOTES & REMARKS:		,
DEPTH TO GPOUNDWATER: <a href="#"><!--OO'</a--> NEAREST WATER SOURCE:</a>	>1000 NEAREST SURFACE	WATER: >/000
NMOCD RANKING SCORE: 10 NMOCD TPH CLOSURE STD	1000 PPM	
OK. YELL. BROWN JAMO, NON C DISCOLORATION OBSERVED IN A ENCOUNTERED & JAMPLE PT. 3	COHEZINE SCIENTLY WOIST &	int, NO APPARENT
observation observed in A	INY OF THE SAMPLE PTS	. HARD ELAY
SAMPLES. S PT. COMPOSITE	E COLLECTED FOR LAB	ANALYSIS.
(CLOSED)		
FIELD 418.	1 CALCULATIONS	
SAMP. TIME SAMPLE I.D. LAB No: WEIGHT	(g) mL. FREON DILUTION READING	G CALC. ppm
SKETCH/SAMPLE LOCATIONS		
- BERNS		
(5) TANK (3)		
		LAB SAMPLES
35P	SAMPLE FIELD HEADSPACE SAMPLE ID PID (ppm) ID	ANALYSIS TIME RESULTS
	LF-1 0.0 LF-1	(80,5) 1055 1.6
HEAD HEAD		
sample of		
DESCRIPTION STATES		
DEHY > [ O F TANK PIT		
257	SCALE	

TRAVEL NOTES:

CALLOUT: NA

ONSITE: 8/20/97



# **EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons**

Client:	Blagg / Conoco	Project #:	04034-10
Sample ID:	LF - 1	Date Reported:	08-21-97
Laboratory Number:	B908	Date Sampled:	08-20-97
Chain of Custody No:	5392	Date Received:	08-20-97
Sample Matrix:	Soil	Date Extracted:	08-20-97
Preservative:	Cool	Date Analyzed:	08-21-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	1.6	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	1.6	0.2

ND - Parameter not detected at the stated detection limit.

References:

Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste,

SW-846, USEPA, July 1992.

Comments:

Jicarilla #2 Landfarm. 5 pt. Composite.

# CHAIN OF CUSTODY RECORD

ENVIROTECH INC. 57% U.S. Highway 64-3014 Farmington, New Mexico 87401 (505) 632-0615	Relinquished by: (Signature)	Relinquished by: (Signature)  Relinquished by: (Signature)				LF-1 8/20/97 1055	Sample No./ Sample Sample Identification Date Time	Sampler: (Signature)	BINGG/ CONOCO	Client/Project Name
		20				5 B908	ple Lab Number ne	Chain of Custody Tape No.	TICARILLA	Project Location
	20	8/20/97 /34 7				5012	Sample Matrix	9 No.	カン	LANDERSON
	Received by: (Signature)	Received by: (Signature)	Schaple been son s			7 4	No. Conta		ANALYSIS/PARAMETERS	2
		Pulo . 77 13 47	Manday			mo,	PRESERV COOL	Remarks	S	