Denny S. Fourt DEPUTY OIL & GAS INSPECTOR

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

SUBMIT I COPY TO

NATURAL RESOURCE DEPT

AND OIL & GAS ADMINISTRATION

MAY 0 4 1998

PIT REMEDIATION AND CLOSURE REPORT

CA382

1111116	VIV		CHOC
Operator:	C040 C0	Telephone: 324-5884	
Address: 3	315 Bloom	FIELD HWY, FARMINGTON, N.M.	
Facility or Well N	lame: IICA	PILLA E 10 E	
Location: Unit o	or Qtr/Qtr SecB	Sec 22 TZ6 P R 46 County RIO ASRIBA	
Pit Type: Separa	ator <u> X</u> Dehydrato	orOtherPRED. TANK	
Land Type:	RAVGE .		
Pit Location:	Pit dimension	s: length 75, width 40, depth 20,	
(Attach diagram)	Reference: well	head X, other	
H	Footage from ref	ference: 120	
	Direction from re	eference: Degrees East North X	
		West South	
Depth To Ground (Vertical distance from contaminants to season high water elevation of groundwater)	ai	Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 points)	
Distance to an Ep (Downgradient dry was ten feet in width)		Less than 100 feet (10 points) Greater than 100 feet (0 points)	
Distance to Neare (Downgradient lakes, p livestock or wildlife wa	dayas and	Greater than 100 feet (10 points) Greater than 100 feet (0 points)	
Wellhead Protection (Less than 200 feet from domestic water source, 1000 feet from all other	n a private or: less than	Yes (20 points) No (0 points)	
Distance To Surfa (Horizontal distance to lakes, ponds, rivers, stre rrigation canals and dif	perennial eams, creeks,	Less than 100 feet (20 points) 100 feet to 1000 feet (10 points) Greater than 1000 feet (0 points)	
		PANKING SCOPE (TOTAL POINTS). 10	

Date Remediation Started:	Date Completed: 7-9-96
	Approx. cubic yards
Remediation Method: Excavation X (Check all appropriate	
(Check all appropriate sections) Landfarmed X	Insitu Bioremediation
Other	
Remediation Location: Onsite Y Offsite	
name and location of	
offsite facility) General Description of Remedial Action:	AND FACE
General Description of Remedial Action:	70-770-1
Groundwater Encountered: No X Yes _	Dcpth
	A
Final Pit: Sample location CEMBE Closure Sampling:	Воточ
(if multiple samples, attach sample results	
and diagram of sample Sample depth 23	
Sample date	Sample time
Sample Results	
Soil: Benzene (ppm)	Water: Benzene (ppb)
Total BTEX (ppm)	Toluene (ppb)
Field Headspace (ppm)	Ethylbenzene (ppb)
ТРН (ppm) <u>2</u> 4	Total Xylenes (ppb)
Groundwater Sample: Yes No (If yes, attach sample results)
	ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY
KNOWLEGE AND BELIEF	
DATE 7-9-96 PRINTED NAM	IE R. E. O'NEIL
l • • • • • • • • • • • • • • • • • • •	FIELD BYGLYEDR
AFTER REVIEW OF THE PIT CLOSURE INFORM THE JICARILLA APACHE TRIBE PIT CLOSURE	MATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO
APPROVED: YES X NO (REASON)	Ko
SIGNED OF Manual DATE:	7-9-76

CLIENT: CON		BLA O. BOX	87, BL		LD, NN		3	ION NO:	CA382
	FIELD F	REPORT:	PIT	CLOSUF	RE VEI	RIFICA'	TION		
LOCATION: J QUAD/UNIT: B QTR/FDDTAGE:	SEC 22 TWP	26 N RN	G: 4 W		CNTY: R	ST: N	DATE FIN	ARTED: 7- NISHED: 7- MENTAL ST:	9-16
EXCAVATION A DISPOSAL FAC	CILITY: <u>C</u>	N - SITE		F	REMEDIAT	ION MET	HDD:	MUFARI	<u>~</u>
FIELD NOTES & DEPTH TO GROUNDW NMOCD RANKING SCE SOIL AND EXCA	ATER: 750	NEAREST W	ATER SOURC	E: >100	PPM :	AREST SURI	FACE WATER		
SOIL CONSISTS SLIGHT STAI ADDITIONAL EXI	of moist, w + osae	Promy 1 2000	FIELD 418: VEIGHT (g)	Bomm,	THEN (Clos	ಕು]
SCALE O 30 FT PIT I	PERIMET	ER	RE SAMPLE ID 1 NS-15	OVM SULTS	pm)	PI	T PRC	FILE	
(TEP)	<u>0</u> 0		2 ES - 10 3 SS - 10 4 WS - 10 5 CB - 22 6 NS - 15 7 CB - 23	, 31 2: 31	<u> </u>	Add'L EXC.		16'	
TRAVEL NOTES:	CALLOUT: _	7-8-96			E:		0800	FUP	M 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

Sample ID:

Center Bottom @ 23'

Project Location:

Jicarilla E 10E

Date Analyzed: Date Reported: Sample Matrix:

Project #:

7-9-96

7-9-96 Soil

Laboratory Number:

TPH-1737

Detection Limit, mg/kg Result, mg/kg Parameter

Total Recoverable

10 24 Petroleum Hydrocarbons

ND = Not Detectable at stated detection limits.

QA/QC:

QA/QC Sample TPH mg/kg

Duplicate TPH mg/kg

% *Diff.

724

568

24

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 - CA382

R. E. O'NOW! Analyst

Melson Vil

^{*}Administrative Acceptance limits set at 30%.

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: TICARIUG E # 10E										
Location: Unit or Qtr/Qtr Sec	Sec 7 Z T 7	LGN R YW County RIO ALRIBA								
Land Type: RANGE	Land Type: RANGE									
Date Remediation Started:	7/9/96 <u>×</u>	Date Completed: 8/27/97 Approx. cubic yards 1,800								
pth To Groundwater:	(pts.) / O	Final Closure Sampling:								
Distance to an Ephemeral Stream	(pts.)	Sampling Date: 8/22/97 Time: 1055								
Distance to Nearest Lake, Playa, or Watering Pond Wellhead Protection Area:	(pts.)	Sample Results: Field Headspace (ppm) O.O								
Distance To SurfaceWater:	(pts.)	TPH (ppm) 5.7 Method 8015								
RANKING SCORE (TOTAL POINTS): /O										
I HEREBY CERTIFY THAT THE INFO KNOWLEGE AND BELIEF	RMATION ABOVI	E IS TRUE AND COMPLETE TO THE BEST OF MY								
		NAME Jeffrey C. Blagg, P.E. #11607								
SIGNATURE Jeffy C. Blogg 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: Kou C. Man	DATE	: 9-2-97								

	NEERING, INC OMFIELD, NM 87413 632-1199	C.O.C. NO: <u>CA38Z</u>
FIELD REPORT: LANDFARM/COM	POST PILE CLOSURE	VERIFICATION
CHATTATI NAME JICARILLA E WELL #1 18		DATE STARTED: 8/22 97
QUAD UNIT & SEC: 22 TWP: 260 RNG: 4W		ENVIRONMENTAL SPECIALIST ~/
REMEDIATION SYSTEM: LANDFRENCED LAND USE: RANGE		ARDAGE: 1,800
FIELD FIOTES & REMARKS:		
ISTAN D SPONDIWATER	>, 300 ' NEAREST SURFACE	
NMUCH PARKING SCOPE 10 NMBCD TPH CLOSURE STI	7000 PPM	7/9/96
SKETCH/SAMPLE LOCATIONS	8.1 CALCULATIONS	
SAMPLE PT DESIGNATION JESTIGNATION JESTIGNATION JESTIGNATION RERM RERM	OVM RESULTS SAMPLE FIELD HEADSPACE PID (ppm.) LF-1 D.O LF-)	LAB SAMPLES ANALYSIS TIME RESULTS 7 PH (80)5) 1055 5.7
STRES LINE BERM FROD TANIT	SCALE 0 FT	

TRAVEL NOTES: CALLOUT: NA ONSITE: 8/22/97



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Blagg / Conoco	Project #:	04034-10
Sample ID:	LF - 1	Date Reported:	08-25-97
Laboratory Number:	B913	Date Sampled:	08-22-97
Chain of Custody No:	5395	Date Received:	08-22-97
Sample Matrix:	Soil	Date Extracted:	08-25-97
Preservative:	Cool	Date Analyzed:	08-25-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	4.6	0.2
Diesel Range (C10 - C28)	1.1	0.1
Total Petroleum Hydrocarbons	5.7	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 E #10E Landfarm. 5 Pt. Composite.

Decent. aferm

Stacy W Sendler

CHAIN OF CLICTORY BECORD

ENVIROTECH INC. 57% U.S. Highway 64-3014 Farmington, New Mexico 87401 (505) 632-0615	Relinquished by: (Signature)	Relinquished by: (Signature) $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	Relinquished by: (Signature) Relinquished by: (Signature)					LF-1 8/2/97 81055	Sample No./ Sample Sample Identification Date Time		Sampler (Signature)	BLAGG/ CONOCO	Client/Project Name			
					87					2913	Lab Number	01034710	Chain of Custody Tape No.	TICARILLA	Project Location	
			Date Time 8/2/97 /348					2011	Sample Matrix		- 8)	F #10F	LANDFARM	MAIN OF CUS		
	Received by: (Signature)	Received by: (Signature)	eceived by: (Signature)	Received Dy: (Signature)	Self-refreshed	0			\ \	Cor TH (80	lo. of stainer			ANA: Y81	CHAIN OF CUSTOUT RECORD	
			Date Time					5 PT. ComposiTE	PRESERV - COOL		Remarks		ANALYSIS/DABAMETERS			