Denny & Fout JICARILLA APACHE TRIBE DEPUTY OIL & GAS INSPECTOR VIRONMENTAL PROTECTION OFFICE P.O. BOX 507

SUBMIT 1 COPY TO NATURAL RESOURCE DEPT

AND OIL & GAS ADMINISTRATION

P.O. BOX 507

MAY 0 4 1998

DULCE, NEW MEXICO 87528

Touk Olnain.

Secretary Contractions	PIT	REMEDIA	TION	AND	CLOSURE REPORT
	/				

The state of the s	Telephone: (505)324-5884									
Operator: CONOCO, INC.										
Address: 3315 Bloomfield Hwy., Farming	ton, NM 87401									
Facility or Well Name: JI CARILLA # 17	2									
Location: Unit or Qtr/Qtr Sec	26NR 4W County RIO ARRIBA									
	<u> </u>									
Pit Type: Separator Dehydrator Other	PROBECTION INFIC									
Land Type: PAPGE										
	75' 11 18'									
Pit Location: Pit dimensions: length	25', width 25', depth 18'									
Reference: wellhead X , other										
Footage from reference: 125										
Direction from reference:	55 Degrees X East North									
	West South X									
Depth To Groundwater:	Less than 50 feet (20 points) 50 feet to 99 feet (10 points)									
(Vertical distance from contaminants to seasonal	Greater than 100 feet (10 points)									
high water elevation of groundwater)										
Distance to an Ephemeral Stream	Less than 100 feet (10 points)									
(Downgradient dry wash greater than	Greater than 100 feet (0 points)									
ten feet in width)	Less than 100 feet (10 points)									
Distance to Nearest Lake, Playa, or Watering Pond (Downgradient lakes, playas and	Less than 100 feet (10 points) Greater than 100 feet (0 points)									
livestock or wildlife watering ponds)										
Wellhead Protection Area:	Yes (20 points) No (0 points)									
(Less than 200 feet from a private domestic water source, or: less than	110 (o ponito)									
1000 feet from all other water sources)	(20) (1)									
Distance To SurfaceWater: (Horizontal distance to perennial	Less than 100 feet (20 points) 100 feet to 1000 feet (10 points)									
lakes, ponds, rivers, streams, creeks,	Greater than 1000 feet (0 points)									
igation canals and ditches)										
	RANKING SCORE (TOTAL POINTS):									

Date Remediation Started:	Date Completed:	7.25-96
mediation Method: Excavation K	Approx. cubic yard	4 • _
sections) Landfarmed X		on
	Offsite	
General Description of Remedia. Actions		
Groundwater Encountered: No_	X Yes Depth	
Final Pit: Sample location Second Second Sampling: (if multiple samples,	ee Attached Documents	
attach sample results and diagram of sample Sample depth	19'	
11		e
Sample Results		
Soil: Benzene	(ppm) Water: B	Benzene (ppb)
Total BTEX	((ppm) T	Coluene (ppb)
Field Head	space (ppm) 72	Ethylbenzene (ppb)
ТРН	(ppm) <u>14</u> To	otal Xylenes (ppb)
Groundwater Sample: Yes	No (If yes, attach sample	results)
I HEREBY CERTIFY THAT THE INFORM KNOWLEGE AND BELIEF	MATION ABOVE IS TRUE AND COM	PLETE TO THE BEST OF MY
DATE 7-25-96	PRINTED NAME Jeffrey C.	Blagg, P.E.# 11607
SIGNATURE Jefly C. Slogg		
AFTER REVIEW OF THE PIT CLOSURE TO THE JICARILLA APACHE TRIBE PI	INFORMATION, PIT CLOSURE IS A	PPROVED IN ACCORDANCE
APPROVED: YES NO (RE.	450N) SPRAY 4 2/652	
SIGNED C. Manual	DATE: 7-29-96	

CLIENT: CONO	со	BLA O. BOX	87, BL	GINEERING OOMFIELD 632-119	, NM 87413	C.O.C. NO:	
	FIELD F	REPORT	: PIT	CLOSURE	VERIFICATI	ON	
	2	26 11 -	- U 1.1	DV 1/144 CD	frob. MNK TY: RA ST: NM ACMET	LUVIE EIVICHEID:	
EXCAVATION A DISPOSAL FACT LAND USE:	PPROX Z. ILITY: RAPGE	5 FT x	25 FT.	× _ [8 FT REM	DEEP. CUB	IC YARDS: ~ 400	
FIELD NOTES &	REMARKS	PIT LOC	ATED APPR	ROXIMATELY _	125 FEET S	FROM WELLHEAD.	
DEPTH TO GROUNDWA						WHILK	
SOIL AND EXCAV)	
SOIL AND EXCHO	T OF M	OIST, BROW	r, suct	stra - No	STAW - SOM	e our in morth	
SOLL CONFLITS OF MOIST, BROWN, SILTY SAMD - NO STAW - SOME OBOR IN MORETH SIDEWALLS.							
SCALE 0 5 10FT PIT P	SAMPLE 1.D. CB@19' PERIMET	1751	WEIGHT (g)	 	UTION READING CAL	C. ppm 14 PROFILE	
PROD. TO WELL SURFACE GANDION	9 3	N	SAMPLE 1D 1 NS-12 2 ES-12 3 SS-12 4 WS-1 5 CBC 6 NS-12 7 WS-	FELD HEADSPAC PID (ppm) 276 4		18"	
TRAVEL NOTES:	CALLOUT:	7-24-9	16	ONSITE:	7-25-96	1115 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:

Center Bottom @ 19'

7-25-96

Project Location:

Jicarilla 12

Date Analyzed:
Date Reported:

7-25-96

Laboratory Number:

TPH #1751

Sample Matrix:

Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg	
Total Recoverable Petroleum Hydrocarbons	14	10	

ND = Not Detectable at stated detection limits.

QA/QC:

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

%

*Diff.

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:

Production Tank Pit

R. E. O'Nell Analyst

Reyiçw

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

CHAIN OF CUSTODY RECORD

				CHAIN OF CUST	CUSTODY RECORD	ECORD				
	/ BUAGG		Project Location				ANALYSIS/PARAMETERS	AMETERS		
Sampler: (Signature)	000		Chain of Custody Tape No.	No.		2			Remarks	
۲, و د. ود	33		1504 D		to snenii	1 3				
Sample No./ Identification	Sample Date	Sample	Lab Number	Sample Matrix	.oM Conta	18				
E.S. @ 15 set. // Nat. PIT	2.57	1330	Atil	Soll		7			71 CARILLA	#2
CB @ 20'	57-2	000]	44.2	SOL	_	7			MOREILIA	4
E. S. @ 12' Set. tit	7-25	0011	4418	Soll	_	7			TI CHEICH	# 12
			:							
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			Ī	,				<u> </u>		•
Relinquished by: (Signature)	Nall		•	Date Time F	Received by: (Signature)	Signature)	Į,		Date 7-25-%	7:28
Relinquished by: (Signature)	"			,	Received By: (Signature)	Signature)	10			
/ -)-/ ₂	Loga		. 7	2-52-8 8:00	de		(The)	76-22	80:8
Relinquided by: (Signature)	ü				Received by: (Signature)	Signature)	5		·	
				ENVIROTECH INC. 5796 U.S. Highway 64-3014 Farmington, New Mexico 87401	CH INC way 64-3014 Mexico 87	401				
	ļ			(505) 632-0615	2-0615				i	nas rapro Form \$70-61

CA388

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

O4 Conocc Inc								
Operator: Conoco, Inc. Telephone: (505) 324-5884								
Address: 3315 Bloomfield Hwy., Farmington, NM 87401								
Facility or Well Name: JICARIUA #12								
Location: Unit or Qtr/Qtr Sec 7 Sec 30 T 26N R 4W County R10 ARRISH								
Land Type: LANGE								
Date Remediation Started: 7/25/96 Date Completed: 8/22/97 Remediation Method: Landfarmed X Approx. cubic yards 900 Composted Other								
pth To Groundwater: (pts.) (D) Final Closure Sampling:								
Distance to an Ephemeral Stream (pts.) O Sampling Date: 82096 Time: 1010								
Distance to Nearest Lake, Playa, or Watering Pond Wellhead Protection Area: (pts.) 0 Distance To SurfaceWater: (pts.) 0 RANKING SCORE (TOTAL POINTS): Comparison Compar								
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEGE AND BELIEF								
DATE 8/22/97 PRINTED NAME Jeffrey C. Blagg, P.E. #11607 SIGNATURE Jeffrey C. Blagg 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) DATE: 9-2-97								

CLIENT: CONOCO BLAGG ENGI	NEERING, INC.	LOCATION NO: 4388							
	OMFIELD, NM 87413	LUCATION NO. 27380							
	632-1199	C.O.C. NO: <u>\$391</u>							
FIELD REPORT: LANDFARM/COM	POST PILE CLOSURE	VERIFICATION							
LOCATION: NAME: TICARILLA WELL #: 1	Z PITS: SEP, PROD.	DATE STARTED: 8/20/97							
QUAD, UNIT: J SEC: 30 TWP: Z6N RNG: 4W		DATE FINISHED:							
OTE: FOUTAGE: NW 4 SEL4 CONTRACTOR:	•	ENVIRONMENTAL SPECIALIST: NV							
SOIL REMEDIATION:									
REMEDIATION SYSTEM: LANDFARMED	_ APPROX. CUBIC Y	ARDAGE:							
	LIFT DEPTH (ft):								
LAND USE: RANGE	LIFT DEPTH (IC).								
FIELD NOTES & REMARKS:	,								
DEPTH TO GRUUNDWATER: <100' NEAREST WATER SOURCE	>/000' NEAREST SURFACE	WATER:							
NMOCD RANKING SCORE: /O NMOCD TPH CLOSURE STD	PPM								
DK. YELL BROWN JAND, NON APPARENT DISCOLORATION OBSE	COHESIVE, SLIGHTLY MOIS	T, FIRM, NO							
APPARENT DISCOLORATION OBST	ERUED IN AM OF THE	SAMPLE PTS.							
NO APPARENT HC OBOR IN COURCIED FOR LAB ANALYSIS		T. COMPOSITE							
(Crozed)	•								
	1 CALCULATIONS								
SAMP. TIME SAMPLE I.D. LAB No: WEIGHT (g) mL. FREON DILUTION READING CALC. ppm									
CHETCH /CAMPLE LOCATIONS		<u></u>							
SKETCH/SAMPLE LOCATIONS AN									
4									
SAMPLE PTIS TO WELL HEAD CITO, JIDE) SERM	OVM RESULTS	LAB SAMPLES							
59 MATTO (170, 510E)	SAMPLE FIELD HEADSPACE SAMPLE PID (ppm) ID	ANALYSIS TIME RESULTS							
OES (G)		(8015) 1010 Z.O							
	LF- 0.0 LF-	(3615) 7070 - 3							
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$									
<u> </u>									
165'	SCALE								
	0 FT								
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:	B907	Date Sampled:	08-20-97
Chain of Custody No:	5391	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)	2.0	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	2.0	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 #12 Landfarm. 5 pt. Composite.

Den L. Quero.
Analyst

Stey w Sonde

CHAIN OF CUSTODY RECORD

ANALYSIS/PARAMETERS Remarks Pontainer No. (Signature) ARCHIV Compost Reserv Co		neinquisned by: (Signature)	Relinquished by: (Signature)	Relinquished by: (Signature)					0101 L6/04/B 1-27		Sample	William Vil		BUSE / CONOCO	Clien/Project Name
ANALYSIS/PARAMETERS Reserved by (Signature) Environt New Mexico 87401 ANALYSIS/PARAMETERS Remarks Particular Analysis/Parameters ANALYSIS/PARAMETERS Remarks Particular Analysis/Parameters ANALYSIS/PARAMETERS Remarks Particular Analysis/Parameters ANALYSIS/PARAMETERS Remarks Particular Analysis/Parameters Particular Analysis/Parameter				8/					8907	Lab Number			Chain of Custody Tape N		
ANALYSIS/PARAMETERS Reserv co Reserv co Reserv co Patronomic in hearts Date Patronomic in hearts Date Patronomic in hearts Date	ENVIROTE 57% U.S. High Farmington, New (505) 639			Time /347					2012	Matrix	2		ð.	# 7	LANDFRAM
	ECH INC. way 64:3014 Mexico 87401 2.0615	Received by: (Signature)		Date 0-2017	the ple received and ?					PRESERU -		5)		ANALYSIS/PARAMETERS	