JICARILLA APACHE TRIBE DEPUTY OIL & GAS INSPECTOR P.O. BOX 507 DULCE, NEW MEXICO 87528

SUBMIT 1 COPY TO MATURAL RESOURCE DEPT AND OIL & GAS ADMINISTRATION

AUG 2 4 1999

PIT REMEDIATION AND CLOSURE REPORT

Operator: CONOCO, INC.	Telephone:	505)324-5884
Address: 3315 Bloomfield Hwy., Farmington	n, NM 87401	
Facility or Well Name: TICARILA ER E	#7	
Location: Unit or Qtr/Qtr Sec K Sec 70 T25	N R4W County 210 AR	RIFA
Pit Type: Separator X Dehydrator Other		
Land Type: RANGE		
	<u>',</u> width	1 11 87
Pit Location: Pit dimensions: length \(\sqrt{5}\) (Attach diagram)		
Reference: wellhead X, or	ther	
Footage from reference: 23!		
Direction from reference: 47	of	North
	West	South
Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation of groundwater)	50 feet to 99 feet	(20 points) (10 points) (0 points)
Distance to an Ephemeral Stream (Downgradient dry wash greater than ten feet in width)	Less than 100 feet Greater than 100 feet	(10 points)
Distance to Nearest Lake, Playa, or Watering Pond (Downgradient lakes, playas and livestock or wildlife watering ponds)	Less than 100 feet Greater than 100 feet	(10 points) (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 No	(20 points) (0 points)
Distance To SurfaceWater: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 100 feet 100 feet to 1000 feet Greater than 1000 feet	(20 points) (10 points) (0 points)
n	ANKING SCORE (TOTAL)	POINTS):

Date Remediation Started:	Date Completed: 9/15/98
Remediation Method: Excavation	Approx. cubic yards60
eck all appropriate Landfarmed	Insitu Bioremediation
Other	
Remediation Location: Onsite X Offsite	
General Description of Remedial Action: Excavat	ion
Groundwater Encountered: No X Yes _	Depth
Final Pit: Sample location see Attache Closure Sampling: (if multiple samples,	d Documents
attach sample results and diagram of sample Sample depth	BOTTOM)
locations and depths) Sample date 9/15/98	
Sample Results	
Soil: Benzene (ppm)	Water: Benzene (ppb)
Total BTEX (ppm)	Toluene (ppb)
Field Headspace (ppm)	
TPH (ppm)	
Groundwater Sample: Yes No X	(If yes, attach sample results)
I HEREBY CERTIFY THAT THE INFORMATION ABO KNOWLEGE AND BELIEF	VE IS TRUE AND COMPLETE TO THE BEST OF MY
DATE 9/15/98 PRINTED N SIGNATURE Jeffy C. Slogg AND TIT	NAME Jeffrey C. Blagg, P.E.# 11607
SIGNATURE Jefly C. Slogg AND TIT	LE President
AFTER REVIEW OF THE PIT CLOSURE INFORMATION THE JICARILLA APACHE TRIBE PIT CLOSURE OF	ON, PIT CLOSURE IS APPROVED IN ACCORDANCE
APPROVED: YES NO (REASON)	
SIGNED: Ker Mand DATE:	10-1-98

3003 703 7	
BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	C.O.C. NO:
FIELD REPORT: CLOSURE VERIFICATION	PAGE No: _/_ of _1_
QUAD/UNIT: K SEC: 20 TWP: 25N RNG: 4W PM: NM CNTY: RA ST:NM	DATE STARTED: 7/15/98 DATE FINISHED: ENVIRONMENTAL NV SPECIALIST:
EXCAVATION APPROX. 15 FT. x 17 FT. x 8 FT. DEEP. CUBIC DISPOSAL FACILITY: DD-51TE REMEDIATION METHOLAND USE: LEASE: CONTLOCT # 64 FOR	D: LANOFARM
TO SOLD TION	E WATER: > 1000 / CHECK ONE: PIT ABANDONED STEEL TANK INSTALLED FIBERGLASS TANK INSTALLED
DK. PELL. BROWN SAND, NON COHESING SLIGHTLY MOITT F STAINING OBSERVED NO APPARENT HE ODOR WIN EX ANY OF THE OUM SAMPLES.	IRM, NO APPARENT CALATION OR IN
CLOSED FIELD 418.1 CALCULATIONS	
SCALE TIME SAMPLE I.D. LAB No: WEIGHT (g) ml. FREON DI (z45 @eji' traft - z036 5 20	LUTION READING CALC. ppm /:) 5 ND
OVM PIT PERIMETER N. RESULTS SAMPLE FIELD HEADSPACE PID (ppm) A 1 @ 5'	PROFILE
SAMPLES SAMPLE ANALYSIS TIME	
TRAVEL NOTES: CALLOUT: ONSITE: 9/15/98	

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 @ 11'

Project Location: Laboratory Number: Jicarilla BR E #7

TPH-2036

Project #:

Date Analyzed:

09-15-98

Date Reported:

09-15-98

Sample Matrix: Soil

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

ND = Not Detectable at stated detection limits.

QA/QC:

QA/QC Sample	Duplicate	%
TPH mg/kg	TPH mg/kg	*Diff.
236	220	7.02

^{*}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 - CA636

Analyst O

Review

BLAGG ENGINEERING, INC.

P.O. Box 87, Bloomfield, New Mexico 87413 Phone: (505)632-1199 Fax: (505)632-3903

Field TPH-Worksheet

Client: Conoco Project #:

Sample ID: 5 @ 11' Date Analyzed: 09-15-98 Project Location: Jicarilla BR E # 7 Date Reported: 09-15-98

Laboratory Number: TPH-2036 Sample Matrix: Soil

Sample Weight: 5.00 grams Volume Freon: 20.00 mL

Dilution Factor: 1 (unitless) TPH Reading: 5 mg/kg

TPH Result:

Reported TPH Result:

Actual Detection Limit:

20.0 mg/kg
20.0 mg/kg
20.0 mg/kg
20.0 mg/kg
20.0 mg/kg
20.0 mg/kg

QA/QC: Original Duplicate %
TPH mg/kg TPH mg/kg Diff.
----- 236 220 7.02

Comments: Separator Pit - CA636

CA 636

SUBMIT 1 COPY TO

NATURAL RESOURCE DEPT

JICARILLA APACHE TRIBE ENVIRONMENTAL PROTECTION OFFICE P.O. BOX 507

AND OIL & GAS ADMINISTRATION

DULCE, NEW MEXICO 87528

ON-SITE SOIL REMEDIATION REPORT

Operator: Conoco, Inc. Telephone: (505) 324-5884
Address: 3315 Bloomfield Hwy., Farmington, NM 87401
Facility or Well Name: JICARILLA BR E #7
Location: Unit or Qtr/Qtr Sec K Sec 20 T Z5N R 4W County 1210 ARRIBA
Land Type: RANGE
Date Remediation Started: 9/15/98 Date Completed: 4/19/99
Composted
Other
Depth To Groundwater: (pts.) Final Closure Sampling:
Distance to an Ephemeral Stream (pts.) O Sampling Date: 4/15/99 Time: 1400
Distance to Nearest Lake, Playa, Sample Results:
or Watering Pond (pts.) Field Headspace (ppm) 33.
Wellhead Protection Area: (pts.) 7 TPH (ppm) 3.7 Method 8015
Distance To SurfaceWater: (pts.) Other
RANKING SCORE (TOTAL POINTS):
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEGE AND BELIEF
DATE 4/19/99 PRINTED NAME Jeffrey C. Blagg, P.E. #11607
SIGNATURE C. Slogg 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 NO (REASON)
SIGNED:

CLIENT CONOCO BLAGG ENGINEERING, INC. LOCATION NO CA636

	OMFIELD, NM 87413 332-1199	C.O.C. NO: <u>6655</u>
FIELD REPORT: LANDFARM/COMF	OST PILE CLOSUR	E VERIFICATION
_ 10ATON NAME: JICARRELA BR & WELL #: 7		DATE STARTED: 4/ 15/99 DATE FINISHED:
QUAD/UNIT: K SEC: 20 TWP: 250 RNG: 40 RTP/FBBTAGE NELY 50/4 CONTRACTOR:		ENVIRONMENTAL SPECIALIST:
BIL PEMEDATION:		
REMEDIATION SYSTEM: LANDFARM		
LAND USE: RONGE	LIFT DEPTH (ft)	1-1.5
FELD NOTES & REMARKS: NEAREST WATER SOURCE:	>1000' NEADEST SUBER	CT MATER SIRES
TERTH TO GROUNDWATER: NEAREST WATER SOURCE: MODIFIED FAMILIES SOURCE NMOOD THE CLOSURE STD		CE WATER:
OK. YELL BROWN SILTY SAND, NON		- Flow Jonphine
DEPTH & APPROX 12-15 INCHES NO ODOR DETECTED WIN COMPOSITE OUT	APPRENT STAINING OF	SERVED SUGHT HC
SAMPLE FOR LAB ANALYSIS,	SAMPLE, COLLECTED 5	PT. Composite
(CLOSED)		
FIELD 418 SAMP, TME SAMPLE LD. LAB NO: WEIGHT	1 CALCULATIONS (a) ml. FREON DILUTION READ	ING CALC. ppm
SKETCH/SAMPLE LOCATIONS A		
TO WELL		
1 CONDEARM PERIMETER	OVM RESULTS	LAB SAMPLES
(BEINED)	SAMPLE FIELD HEADSPACE SAMP	
© © 3	LF-1 33.1 LF-1	(8015) 1400 3.Z
45' 170, S4W		
FROM WELL HEAD		
LF-1 SAMPLE PT.	SCALE	
ひをいるかなかっと	O FT	



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Blagg / CONOCO	Project #:	403410
Sample ID:	LF - 1	Date Reported:	04-19-99
Laboratory Number:	F048	Date Sampled:	04-15-99
Chain of Custody No:	6655	Date Received:	04-16-99
Sample Matrix:	Soil	Date Extracted:	04-16-99
Preservative:	Cool	Date Analyzed:	04-17-99
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	3.2	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	3.2	0.2

ND - Parameter not detected at the stated detection limit.

References:

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

SW-846, USEPA, December 1996.

Comments:

Jicarilla BR E #7 Landfarm. 5 Pt. Composite.

Analyst

Review

CHAIN OF CUSTODY RECORD

	!			
Client / Project Name	1	rank	ANALYSIS / PARAMETERS	AMETERS
BLAGG/ CONOCO	TICARIUA	8R E #7		Remarks
Sampler: NJV	Client No.	01-45040	of ainers	
Sample	Lab Number	Sample		
10enuncanon 4/15/99 1400	# Short	501	/ /	5 pt. Composite
				PRESERV COOL
				-
Relinquished by: (Signature)		Date Time	Received by: (Signature)	4./6.99 0800
Relinquished by: (Signature)		7//6/7/	Received by: (Signature)	
Relinquished by: (Signature)			Received by: (Signature)	
		FOVIROTECH IC	FCH INC	Sample Receipt
		5796 U.S	5796 U.S. Highway 64	Received Intact
		Farmington, N	Farmington, New Mexico 87401 (505) 632-0615	Cool - Ice/Blue Ice