

Denny E. Faust
DEPUTY OIL & GAS INSPECTOR

AUG 24 1999

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

CA630

OK

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

PIT REMEDIATION AND CLOSURE REPORT

Approved
Operator: CONOCO, INC. Telephone: (505) 324-5884
Address: 3315 Bloomfield Hwy., Farmington, NM 87401
Facility or Well Name: JICARILLA BR B #1
Location: Unit or Qtr/Qtr Sec F Sec 28 T 25N R 4W County RIO ARriba
Pit Type: Separator Dehydrator Other COMPRESSOR
Land Type: RANGE

Pit Location: Pit dimensions: length 13', width 13', depth 8'
(Attach diagram) Reference: wellhead X, other
Footage from reference: 21'
Direction from reference: 6 Degrees East of North X
X 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)	<u>0</u>
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)	<u>0</u>
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)	<u>0</u>
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)	<u>0</u>
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)	<u>0</u>

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: _____ Date Completed: 9/14/98

Remediation Method: Excavation ☒ Approx. cubic yards 40
 (check all appropriate sections) Landfarmed ☒ Insitu Bioremediation _____
 Other _____

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

General Description of Remedial Action: Excavation

Groundwater Encountered: No ☒ Yes _____ Depth _____

Final Pit: Sample location see Attached Documents

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

Sample depth 10' (PIT Bottom)

Sample date 9/14/98 Sample time 1020

Sample Results

Soil: Benzene	(ppm) _____	Water: Benzene	(ppb) _____
Total BTEX	(ppm) _____	Toluene	(ppb) _____
Field Headspace	(ppm) <u>0.0</u>	Ethylbenzene	(ppb) _____
TPH	(ppm) <u>ND</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 9/14/98 PRINTED NAME Jeffrey C. Blagg, P.E. #11607

SIGNATURE 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: Kee C Mamm DATE: 10-1-98

CLIENT: CONOCO

BLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199

LOCATION NO: CA630
C.D.C. NO:

FIELD REPORT: CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: TICARUA BR B WELL #: 1 PIT: COMAR.
QUAD/UNIT: F SEC: 28 TWP: 25N RNG: 4W PM: NM CNTY: RA ST: NM
QTR/FOOTAGE: 1650' FWH 1650' FWH CONTRACTOR: TUC

DATE STARTED: 9/14/98
DATE FINISHED:
ENVIRONMENTAL SPECIALIST: NV

EXCAVATION APPROX. 13 FT. x 13 FT. x 8 FT. DEEP. CUBIC YARDAGE: 40
DISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: LANDFARM
LAND USE: RANGE LEASE: CONTRACT #66 FORMATION: PC

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 21 FT. NGW FROM WELLHEAD
DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'
NMDCD RANKING SCORE: 0 NMDCD TPH CLOSURE STD: 5000 PPM
SOIL AND EXCAVATION DESCRIPTION:

CHECK ONE:
☒ PIT ABANDONED
☐ STEEL TANK INSTALLED
☐ FIBERGLASS TANK INSTALLED

OK. YEL. BROWN SILTY SAND, NON COHESIVE, SLIGHTLY MOIST, FIRM,
NO APPARENT STRAINING OBSERVED NO APPARENT HC ODOR DETECTED
W/IN EXCAVATION OR IN ANY OF THE SIDEWALL OVM SAMPLES, PIT
BOTTOM CONSISTED OF OK. YEL. BROWN CLAY, SLIGHTLY PLASTIC, SLIGHTLY
MOIST, STIFF, NO APPARENT HC ODOR IN OVM SAMPLE.

CLOSED

SCALE 0 FT

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1020	5 @ 10'	TPH-2032	5	20	1:1	3	ND

PIT PERIMETER

OVM RESULTS

PIT PROFILE

WELL HEAD

SAMPLE ID	FIELD HEADSPACE P.D (ppm)
1 @ 4'	0.0
2 @ 4'	0.0
3 @ 4'	0.0
4 @ 5'	0.0
5 @ 10'	0.0

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME

TRAVEL NOTES: CALLOUT:

ONSITE: 9/14/98 - 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	Project #:	
Sample ID:	5 @ 10'	Date Analyzed:	09-14-98
Project Location:	Jicarilla BR B # 1	Date Reported:	09-14-98
Laboratory Number:	TPH-2032	Sample Matrix:	Soil

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

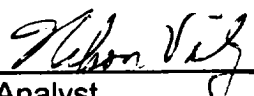
ND = Not Detectable at stated detection limits.

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

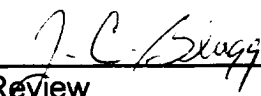
*Administrative Acceptance limits set at 30%.

Method: Modified Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No.4551, 1978

Comments: Compressor Pit - CA630



Analyst



Review

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

Field TPH-Worksheet

Max Characters:

Client:

Sample ID:

Project Location:

Laboratory Number:

Conoco

5 @ 10'

Jicarilla BR B # 1

TPH-2032

Project #:

Date Analyzed:

Date Reported:

Sample Matrix:

09-14-98

09-14-98

Soil

Sample Weight: 5.00 grams
Volume Freon: 20.00 mL
Dilution Factor: 1 (unitless)
TPH Reading: 3 mg/kg

TPH Result: 12.0 mg/kg
Reported TPH Result: 12 mg/kg
Actual Detection Limit: 20.0 mg/kg
Reported Detection Limit: 20 mg/kg

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

Comments:

*****Max Characters*****

Comments:

Compressor Pit - CA630

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

CA630

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

ON-SITE SOIL REMEDIATION REPORT

Operator: <u>Conoco, Inc.</u>		Telephone: <u>(505) 324-5884</u>
Address: <u>3315 Bloomfield Hwy., Farmington, NM 87401</u>		
Facility or Well Name: <u>JICARILLA BR B #1</u>		
Location: Unit or Qtr/Qtr Sec <u>F</u> Sec <u>28</u> T <u>25N</u> R <u>4W</u> County <u>RIO ARRIBA</u>		
Land Type: <u>RANGE</u>		
Date Remediation Started: <u>9/14/98</u>		Date Completed: <u>4/19/98</u>
Remediation Method: Landfarmed ☒ Composted ☐ Other ☐		Approx. cubic yards <u>40</u>
Depth To Groundwater: (pts.) <u>0</u>	Final Closure Sampling: Sampling Date: <u>4/15/99</u> Time: <u>1315</u> Sample Results: Field Headspace (ppm) <u>0.0</u> TPH (ppm) <u>1.8</u> Method <u>8015</u> Other ☐	
Distance to an Ephemeral Stream (pts.) <u>0</u>		
Distance to Nearest Lake, Playa, or Watering Pond (pts.) <u>0</u>		
Wellhead Protection Area: (pts.) <u>0</u>		
Distance To Surface Water: (pts.) <u>0</u>		
RANKING SCORE (TOTAL POINTS): <u>0</u>		
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF		
DATE <u>4/19/99</u>		PRINTED NAME <u>Jeffrey C. Blagg, P.E. #11607</u>
SIGNATURE <u>Jeffrey C. Blagg</u>		AND TITLE <u>President</u>
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: <u>K. C. Mamm</u>		DATE: <u>6-3-99</u>

CLIENT <u>CONOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO <u>CAG30</u> C.O.C. NO: <u>6654</u>
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FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME <u>TICARIMA RR</u> B WELL #: <u>1</u> PITS: <u>CONPR.</u>	DATE STARTED: <u>4/15/99</u> DATE FINISHED: _____
QUAD/UNIT: <u>F</u> SEC: <u>28</u> TWP: <u>25N</u> RNG: <u>4W</u> PM <u>NM</u> CNTY: <u>RA</u> ST: <u>NM</u>	ENVIRONMENTAL SPECIALIST: <u>NV</u>
QTR/FOOTAGE: <u>SE/4 NW/4</u> CONTRACTOR: <u>JVC</u>	

SOIL REMEDIATION:

REMEDICATION SYSTEM: LANDFARM APPROX. CUBIC YARDAGE: 40
LAND USE: RANGE LIFT DEPTH (ft): 1.5-2

FIELD NOTES & REMARKS:

DEPTH TO GROUNDWATER >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER >1000'
NMEDS RANKING SCORE 0 NMEDS TPH CLOSURE STD: 5000 PPM 9/14/98

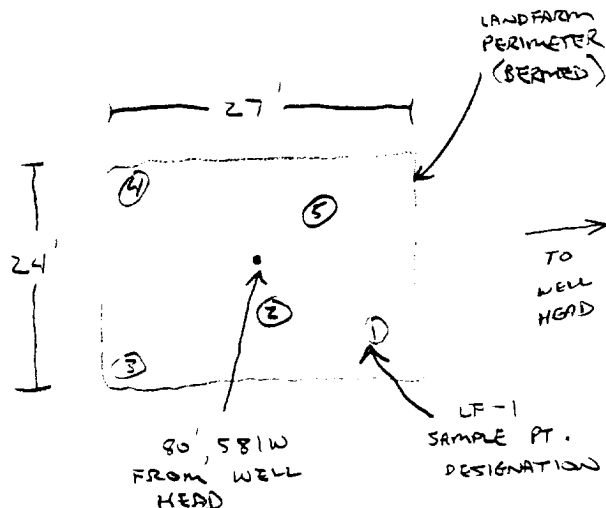
OR. YELL. BROWN SILTY SAND, NON COHESIVE, SLIGHTLY MOIST TO MOIST FIRM, SAMPLING DEPTHS RANGE FROM 12-18 INCHES, NO APPARENT STRAINING/DISCOLORATION OBSERVED OR HC ODOR DETECTED @ ANY OF THE SAMPLING PTS., COLLECTED 5 PT. COMPOSITE SAMPLE FOR LAB ANALYSIS.

CLOSED

FIELD 4181 CALCULATIONS

SAMP. TIME	SAMPLE ID	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm

SKETCH/SAMPLE LOCATIONS ↑ N



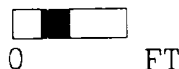
OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
LF-1	0.0

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	TPH (8015)	1315	1.8

SCALE



TRAVEL NOTES:

CALLOUT: NA

ONSITE: 4/15/99

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

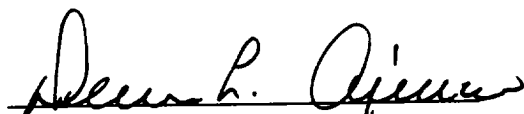
Client:	Blagg / CONOCO	Project #:	403410
Sample ID:	LF - 1	Date Reported:	04-19-99
Laboratory Number:	F047	Date Sampled:	04-15-99
Chain of Custody No:	6654	Date Received:	04-16-99
Sample Matrix:	Soil	Date Extracted:	04-16-99
Preservative:	Cool	Date Analyzed:	04-17-99
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

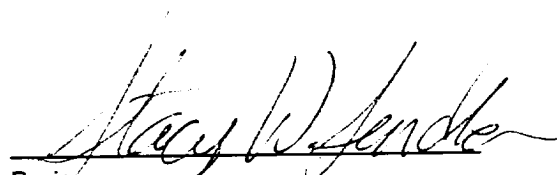
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	1.6	0.2
Diesel Range (C10 - C28)	0.2	0.1
Total Petroleum Hydrocarbons	1.8	0.2

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 B #1 Landfarm. 5 Pt. Composite.


Analyst


Review

CHAIN OF CUSTODY RECORD

6654

Client / Project Name <i>Bugs / Conoco</i>			Project Location <i>LANDFARM</i>			ANALYSIS / PARAMETERS					
Sampler: <i>NTV</i>			Client No. <i>0403410</i>			No. of Containers <i>7PH (8015)</i>		Remarks			
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix							
<i>LF-1</i>	<i>4/15/99</i>	<i>1315</i>	<i>F049</i> <i>1048</i> <i>cu</i>	<i>SOIL</i>	<i>1</i>	<i>✓</i>					<i>5 Pt. Composite</i>
											<i>PRESERV. - COOL</i>
Relinquished by: (Signature) <i>[Signature]</i>			Date <i>4/16/99</i>	Time <i>0800</i>	Received by: (Signature) <i>[Signature]</i>			Date <i>4/16/99</i>	Time <i>0800</i>		
Relinquished by: (Signature)					Received by: (Signature)						
Relinquished by: (Signature)					Received by: (Signature)						

ENVIROTECH INC.

5796 U.S. Highway 64
Farmington, New Mexico 87401
(505) 632-0615

Sample Receipt			
	Y	N	N/A
Received Intact	<i>✓</i>		
Cool - Ice/Blue Ice	<i>✓</i>		