

Denny E. Faust
DEPUTY OIL & GAS INSPECTOR

AUG 24 1999

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

CA605 *OK*
SUBMIT 1 COPY TO
NATURAL RESOURCE DEPT
AND OIL & GAS ADMINISTRATION

PIT REMEDIATION AND CLOSURE REPORT

Operator: CONOCO, INC. Telephone: (505) 324-5884
Address: 3315 Bloomfield Hwy., Farmington, NM 87401
Facility or Well Name: JICARILLA A #10E
Location: Unit or Qtr/Qtr Sec G Sec 23 T36N R4W County RIO ARriba
Pit Type: Separator ☒ Dehydrator ☐ Other PRODUCTION TANK
Land Type: RANGE

Pit Location: Pit dimensions: length 36', width 31', depth 11'
(Attach diagram) Reference: wellhead X, other _____
Footage from reference: 138'
Direction from reference: 72 Degrees ☒ East of 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)	<u>0</u>
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)	<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)	<u>0</u>
Greater than 1000 feet	(0 points)	

RANKING SCORE (TOTAL POINTS): 0

CAGOS

SEP/PROD. TANK PIT

Date Remediation Started: _____ Date Completed: 8/14/98

Remediation Method: Excavation ☒ Approx. cubic yards 400
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. VERY HARD CLAY BOTTOM.Groundwater Encountered: No ☒ Yes _____ Depth _____

Final Pit: Sample location see Attached Documents TPH + BTEX RESULTS
Closure Sampling: FROM 4 PT. COMPOSITE OF SIDEWALLS.
(if multiple samples,
attach sample results
and diagram of sample
locations and depths) Sample depth 6' (SOUTH SIDEWALL - cum RESULTS ONLY)
Sample date 8/13/98 Sample time 1115

Sample Results

Soil: Benzene	(ppm)	<u>ND</u>	Water: Benzene	(ppb)	_____
Total BTEX	(ppm)	<u>13.060</u>	Toluene	(ppb)	_____
Field Headspace	(ppm)	<u>1162</u>	Ethylbenzene	(ppb)	_____
TPH	(ppm)	<u>30.2</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 8/14/98 PRINTED NAME Jeffrey C. Blagg, P.E. #11607SIGNATURE 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: Ken C. Mamm DATE: 9-9-98

3003922410

CLIENT: <u>CONOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>CA605</u> C.D.C. NO: <u>6120</u>
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FIELD REPORT: CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>
LOCATION: NAME <u>TICARULA</u> A WELL # <u>10E</u> PIT: <u>SEP/PROD.</u> QUAD/UNIT: <u>G</u> SEC: <u>23</u> TWP: <u>26N</u> RNG: <u>4W</u> PM: <u>NM</u> CNTY: <u>RAST. NM</u> QTR/FOOTAGE: <u>1690' FNL / 1690' FEL</u> CONTRACTOR: <u>JVC</u>		DATE STARTED: <u>8/13/98</u> DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST: <u>NV</u>

EXCAVATION APPROX.	36	FT. x	31	FT. x	11	FT. DEEP.	CUBIC YARDAGE: <u>400</u>
DISPOSAL FACILITY:	<u>ON-SITE</u>		REMEDIATION METHOD:	<u>LANDFARM</u>			
LAND USE	<u>RANGE</u>		LEASE:	<u>CONTRACT #105</u>		FORMATION:	<u>MV/DK</u>

FIELD NOTES & REMARKS	PIT LOCATED APPROXIMATELY <u>138</u> FT. <u>N72E</u> FROM WELLHEAD.
DEPTH TO GROUNDWATER: <u>>100'</u>	NEAREST WATER SOURCE: <u>>1000'</u> NEAREST SURFACE WATER: <u>>1000'</u>
NMOC BANKING SCORE: <u>0</u>	NMOC TPH CLOSURE STD: <u>5000</u> PPM

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

SOIL AND EXCAVATION DESCRIPTION:

DK. YELL. BROWN TO DUSKY RED/LT. GRAY CLAY, SLIGHTLY PLASTIC TO HIGHLY PLASTIC, FIRM TO VERY STIFF, NO APPARENT STAINING OR HC ODOR OBSERVED/ DETECTED w/in EXCAVATION STRONG HC ODOR DETECTED w/in ALL SIDEWALL OVM SAMPLES, COLLECTED 4 PT. COMPOSITE SAMPLE FROM SIDEWALL SAMPLE PTS. FOR LAB ANALYSIS, PIT BOTTOM CONSISTED OF VERY STIFF CLAY w/ SLIGHT HC ODOR DETECTED w/in OVM SAMPLE.

CLOSED

SCALE

0 FT

FIELD 4181 CALCULATIONS

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

PIT PERIMETER

OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 e 5'	902
2 e 7'	496
3 e 6'	1,162
4 e 5'	810
5 e 11'	940

PIT PROFILE

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
5W-C	TPH/BTEX	1115
⑤ e 11'	TPH	1115

ALL PASSED

TRAVEL NOTES: CALLOUT: 8/13/98 - MORN. ONSITE: 8/13/98 - 1200N.

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

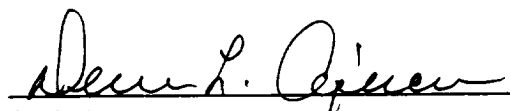
Client:	Blagg / CONOCO	Project #:	04034-10
Sample ID:	SW - C	Date Reported:	08-14-98
Laboratory Number:	D803	Date Sampled:	08-13-98
Chain of Custody No:	6120	Date Received:	08-14-98
Sample Matrix:	Soil	Date Extracted:	08-14-98
Preservative:	Cool	Date Analyzed:	08-14-98
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	13.2	0.2
Diesel Range (C10 - C28)	17.0	0.1
Total Petroleum Hydrocarbons	30.2	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 A #10E Separator / Production Tank Pit. 4 Pt. Composite.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

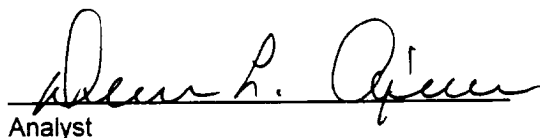
Client:	Blagg / CONOCO	Project #:	04034-10
Sample ID:	5 @ 11'	Date Reported:	08-14-98
Laboratory Number:	D804	Date Sampled:	08-13-98
Chain of Custody No:	6120	Date Received:	08-14-98
Sample Matrix:	Soil	Date Extracted:	08-14-98
Preservative:	Cool	Date Analyzed:	08-14-98
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	0.4	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	0.4	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 A #10E Separator / Production Tank Pit.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / CONOCO	Project #:	04034-10
Sample ID:	SW - C	Date Reported:	08-14-98
Laboratory Number:	D803	Date Sampled:	08-13-98
Chain of Custody:	6120	Date Received:	08-14-98
Sample Matrix:	Soil	Date Analyzed:	08-14-98
Preservative:	Cool	Date Extracted:	08-14-98
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	8.8
Toluene	2,180	8.4
Ethylbenzene	108	7.6
p,m-Xylene	8,580	10.8
o-Xylene	2,190	5.2
Total BTEX	13,060	

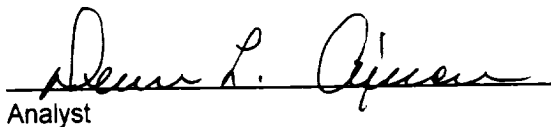
ND - Parameter not detected at the stated detection limit.

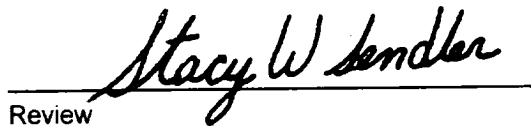
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	98 %
	Bromofluorobenzene	98 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Jicarilla A #10E Separator / Production Tank Pit. 4 Pt. Composite.


Analyst


Review

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ENVIROTECH INC.

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

CAGOS

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 A #10E</u>		
Location: Unit or Qtr/Qtr Sec <u>G</u> Sec <u>23</u> T <u>26N</u> R <u>4W</u> County <u>RIO ARriba</u>		
Land Type: <u>RANGE</u>		
Date Remediation Started: <u>3/13/98</u>		Date Completed: <u>4/15/99</u>
Remediation Method: Landfarmed ☒		Approx. cubic yards <u>400</u>
Composted ☐		
Other ☐		
Depth To Groundwater: (pts.) <u>0</u>		Final Closure Sampling: Sampling Date: <u>4/14/99</u> Time: <u>1330</u> Sample Results: Field Headspace (ppm) <u>0.0</u> TPH (ppm) <u>131</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>4/15/99</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>Kee C. M...</u>		DATE: <u>6-3-99</u>

TRAVEL NOTES: CALLOUT NA ONSITE 4/14/99

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

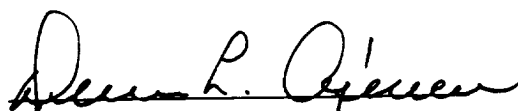
Client:	Blagg / CONOCO	Project #:	403410
Sample ID:	LF - 1	Date Reported:	04-15-99
Laboratory Number:	F028	Date Sampled:	04-14-99
Chain of Custody No:	6649	Date Received:	04-14-99
Sample Matrix:	Soil	Date Extracted:	04-15-99
Preservative:	Cool	Date Analyzed:	04-15-99
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	5.4	0.2
Diesel Range (C10 - C28)	126	0.1
Total Petroleum Hydrocarbons	131	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 A #10 E Landfarm. 5 Pt. Composite.


Analyst


Review

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