

Denny D. Tost
DEPUTY OIL & GAS INSPECTOR

AUG 24 1999

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

CASGO

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

Approved **PIT REMEDIATION AND CLOSURE REPORT** *11*

Operator: CONOCO, INC. Telephone: (505) 324-5884
Address: 3315 Bloomfield Hwy., Farmington, NM 87401
Facility or Well Name: AXI APACHE J #25
Location: Unit or Qtr/Qtr Sec A Sec 7 T 25N R 5W County RIO ARriba
Pit Type: Separator ☒ Dehydrator ☐ Other ☐
Land Type: RANGE

Pit Location: (Attach diagram) Pit dimensions: length 19', width 25', depth 10'
Reference: wellhead ☒, other ☐
Footage from reference: 135'
Direction from reference: 87 Degrees ☐ East ☐ 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)	
	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)	<u>0</u>
	Greater than 100 feet	(0 points)	
Distance to Nearest Lake, Playa, or Watering Pond (Downgradient lakes, playas and livestock or wildlife watering ponds)	Less than 100 feet	(10 points)	<u>0</u>
	Greater than 100 feet	(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	(20 points)	<u>0</u>
	No	(0 points)	
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: 6/4/98

Remediation Method: Excavation ☒ Approx. cubic yards 125
(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 14'

Sample date 6/1/98 Sample time 1104

Sample Results

Soil: Benzene	(ppm)	<u>ND</u>	Water: Benzene	(ppb)	_____
Total BTEX	(ppm)	<u>0.144</u>	Toluene	(ppb)	_____
Field Headspace	(ppm)	<u>201.4</u>	Ethylbenzene	(ppb)	_____
TPH	(ppm)	<u>3.1</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 6/4/98 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: Kerr C. Mamm DATE: 5-16-98

CLIENT: CONOCO

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

LOCATION NO: C560
C.D.C. NO: 6010
6013

FIELD REPORT: CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: AXI APACHE J WELL #: 25 PIT: SEP
QUAD/UNIT: A SEC: 7 TWP: 25N RNG: 5N PM: Nm CNTY: RA ST: NM
QTR/FOOTAGE: NE 1/4 NE 1/4 CONTRACTOR: JVC

DATE STARTED: 6/1/98
DATE FINISHED: 6/3/98
ENVIRONMENTAL SPECIALIST: NU

EXCAVATION APPROX. 19 FT. x 25 FT. x 10 FT. DEEP. CUBIC YARDAGE: 125
DISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: LANDFARM
LAND USE: RANGE LEASE: CONTR. #147 FORMATION: CK/MU

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 135 FT. S87W FROM WELLHEAD
DEPTH TO GROUNDWATER: 7100' NEAREST WATER SOURCE: 71000' NEAREST SURFACE WATER: 71000'
NMOCB RANKING SCORE: 0 NMOCB TPH CLOSURE STD: 5000 PPM
SOIL AND EXCAVATION DESCRIPTION:
SIDEWALL CONSIST OF MOSTLY MOD. YELL. BROWN SAND, NON COHESIVE, SLIGHTLY MOIST, FIRM, STAINING EVIDENT W/IN ALL SIDEWALLS, NO APPARENT HC ODOOR W/IN EXCAVATION, COLLECTED 4 AT. COMPOSITE SAMPLE FOR LAB ANALYSIS (APPROX. 5' TO 6' BELOW GRADE).
② E14' LT. TO MED. GRAY IN COLOR SILTY CLAY, NON PLASTIC, SLIGHTLY MOIST, FIRM, HC ODOOR DETECTED IN OVM SAMPLE.

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

CLOSED

SCALE
0 FT

FIELD 418.1 CALCULATIONS

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

PIT PERIMETER

OVM RESULTS

PIT PROFILE

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 ② E14'	201.4
2	
3	
4	
5	

LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
② E14' TPH/STEX		1104
BOTH PASSED		
SW-C TPH/STEX		0845
BOTH PASSED		

TRAVEL NOTES: CALLOUT: ONSITE: 6/1/98 - MORNING

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

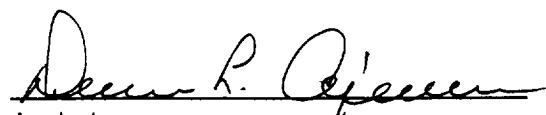
Client:	Blagg / Conoco	Project #:	04034-10
Sample ID:	1 @ 14'	Date Reported:	06-02-98
Laboratory Number:	D325	Date Sampled:	06-01-98
Chain of Custody No:	6010	Date Received:	06-02-98
Sample Matrix:	Soil	Date Extracted:	06-02-98
Preservative:	Cool	Date Analyzed:	06-02-98
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

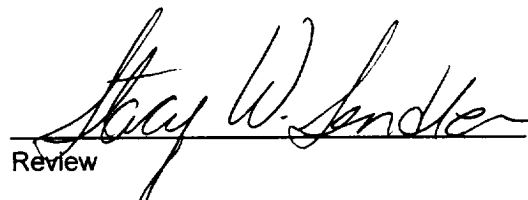
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	3.1	0.1
Total Petroleum Hydrocarbons	3.1	0.2

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: **AXI Apache J #25 Separator 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:	1 @ 14'	Date Reported:	06-02-98
Laboratory Number:	D325	Date Sampled:	06-01-98
Chain of Custody:	6010	Date Received:	06-02-98
Sample Matrix:	Soil	Date Analyzed:	06-02-98
Preservative:	Cool	Date Extracted:	06-02-98
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	8.8
Toluene	ND	8.4
Ethylbenzene	ND	7.6
p,m-Xylene	101	10.8
o-Xylene	43.5	5.2
Total BTEX	144	

ND - Parameter not detected at the stated detection limit.

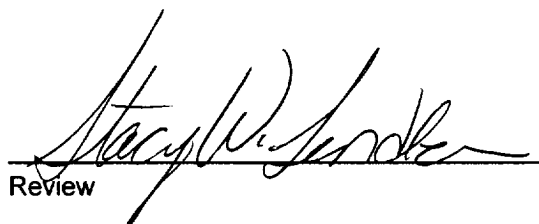
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	99 %
	Bromofluorobenzene	99 %

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: AXI Apache J #25 Separator Pit.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

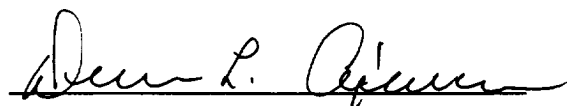
Client:	Blagg / Conoco	Project #:	04034-10
Sample ID:	SW -C	Date Reported:	06-04-98
Laboratory Number:	D339	Date Sampled:	06-03-98
Chain of Custody No:	6013	Date Received:	06-04-98
Sample Matrix:	Soil	Date Extracted:	06-04-98
Preservative:	Cool	Date Analyzed:	06-04-98
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

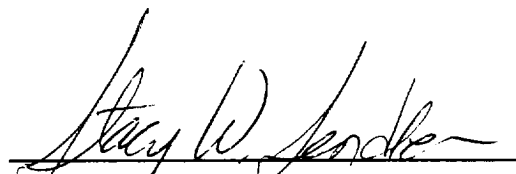
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	31.9	0.2
Diesel Range (C10 - C28)	281	0.1
Total Petroleum Hydrocarbons	313	0.2

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: AXI Apache J #25 Separator Pit. 4 pt. Composite of Sidewalls.


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:	06-04-98
Laboratory Number:	D339	Date Sampled:	06-03-98
Chain of Custody:	6013	Date Received:	06-04-98
Sample Matrix:	Soil	Date Analyzed:	06-04-98
Preservative:	Cool	Date Extracted:	06-04-98
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	1,060	17.5
Toluene	2,450	16.7
Ethylbenzene	189	15.2
p,m-Xylene	653	21.6
o-Xylene	300	10.4
Total BTEX	4,650	

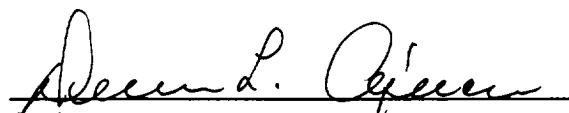
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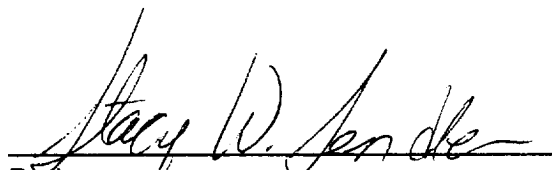
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	101 %
	Bromofluorobenzene	101 %

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: AXI Apache J #25 Separator Pit. 4 pt. Composite of Sidewalls.


Analyst


Review

6010

[illegible]

6013

[illegible]

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	06-02-TPH QA/QC	Date Reported:	06-02-98
Laboratory Number:	D325	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-02-98
Condition:	N/A	Analysis Requested:	TPH

Calibration	L-Cal Date	L-Cal RF	C-Cal RF	% Difference	Accept. Range
Gasoline Range C5 - C10	04-28-98	2.3634E-02	2.3653E-02	0.08%	0 - 15%
Diesel Range C10 - C28	04-28-98	2.3141E-02	2.3155E-02	0.06%	0 - 15%

Blank Conc. (mg/L - mg/Kg)	Detection Limit
Gasoline Range C5 - C10	ND
Diesel Range C10 - C28	ND
Total Petroleum Hydrocarbons	ND

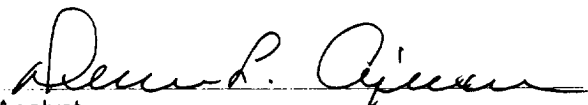
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	3.1	3.1	0.0%	0 - 30%

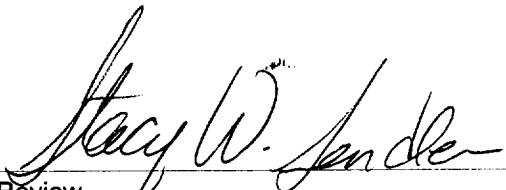
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	ND	250	250	100%	75 - 125%
Diesel Range C10 - C28	3.1	250	253	100%	75 - 125%

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: QA/QC for samples D325.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	06-04-TPH QA/QC	Date Reported:	06-04-98
Laboratory Number:	D339	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-04-98
Condition:	N/A	Analysis Requested:	TPH

Calibration	Cal Date	Cal RF	C-Cal RF	% Difference	Accept Range
Gasoline Range C5 - C10	04-28-98	2.3634E-02	2.3653E-02	0.08%	0 - 15%
Diesel Range C10 - C28	04-28-98	2.3141E-02	2.3155E-02	0.06%	0 - 15%

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

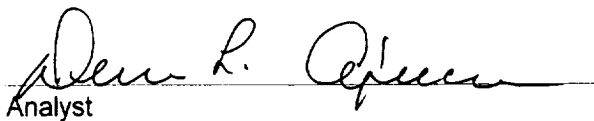
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept Range
Gasoline Range C5 - C10	31.9	31.7	0.8%	0 - 30%
Diesel Range C10 - C28	281	276	1.8%	0 - 30%

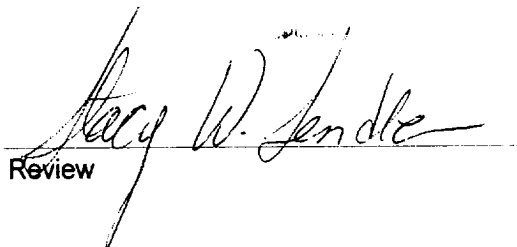
Spike Conc. (mg/Kg)	Sample	Spiked Added	Spike Result	% Recovery	Accept Range
Gasoline Range C5 - C10	31.9	250	280	99%	75 - 125%
Diesel Range C10 - C28	281	250	530	100%	75 - 125%

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Wast
SW-846, USEPA, December 1996.

Comments: QA/QC for sample D339.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS QUALITY ASSURANCE REPORT

Client: N/A
Sample ID: 06-02-BTEX QA/QC
Laboratory Number: D314
Sample Matrix: Water
Preservative: N/A
Condition: N/A

Project #: N/A
Date Reported: 06-02-98
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 06-02-98
Analysis: BTEX

Benzene	1.4863E-02	1.4878E-02	0.10%	ND	0.2
Toluene	2.2878E-02	2.2947E-02	0.30%	ND	0.2
Ethylbenzene	1.0578E-02	1.0663E-02	0.81%	ND	0.2
p,m-Xylene	8.4559E-03	8.5672E-03	1.32%	ND	0.2
o-Xylene	8.7385E-03	8.8357E-03	1.11%	ND	0.1
1,3,5-trimethylbenzene	6.2277E-03	6.2402E-03	0.20%	ND	0.2
1,2,4-trimethylbenzene	7.3319E-03	7.3687E-03	0.50%	ND	0.2

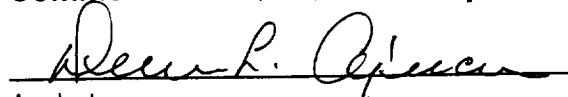
Benzene	0.5	0.5	0.0%	0 - 30%
Toluene	0.5	0.5	0.0%	0 - 30%
Ethylbenzene	0.4	0.4	0.0%	0 - 30%
p,m-Xylene	1.1	1.1	0.0%	0 - 30%
o-Xylene	0.5	0.5	0.0%	0 - 30%

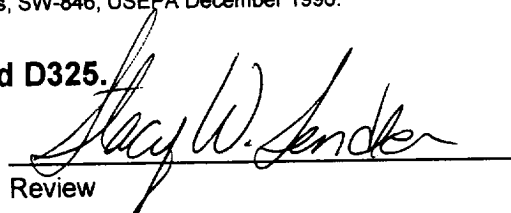
Benzene	0.5	50.0	50.5	100%	39 - 150
Toluene	0.5	50.0	50.5	100%	46 - 148
Ethylbenzene	0.4	50.0	50.4	100%	32 - 160
p,m-Xylene	1.1	100.0	101.0	100%	46 - 148
o-Xylene	0.5	50.0	50.5	100%	46 - 148

ND - Parameter not detected at the stated detection limit.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for samples D314 - D316 and D325.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS QUALITY ASSURANCE REPORT

Client:	N/A	Project #:	N/A
Sample ID:	06-04-BTEX QA/QC	Date Reported:	06-04-98
Laboratory Number:	D334	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-04-98
Condition:	N/A	Analysis:	BTEX

Calibration: *[Signature]*
Detection Limit (ug/L):

Benzene	1.4863E-02	1.4893E-02	0.2%	ND	0.2
Toluene	2.2878E-02	2.2947E-02	0.3%	ND	0.2
Ethylbenzene	1.0578E-02	1.0639E-02	0.6%	ND	0.2
p,m-Xylene	8.4559E-03	8.5155E-03	0.7%	ND	0.2
o-Xylene	8.7385E-03	8.7736E-03	0.4%	ND	0.1

Duplicate Conc. (ug/Kg) Sample Duplicate Diff. Accept Range Detect Limit

Benzene	139	142	1.9%	0 - 30%	3.5
Toluene	584	592	1.3%	0 - 30%	3.3
Ethylbenzene	37.7	38.2	1.3%	0 - 30%	3.0
p,m-Xylene	313	317	1.5%	0 - 30%	4.3
o-Xylene	197	201	2.0%	0 - 30%	2.1

Spike Conc. (ug/Kg) Sample Original Spike Spiked Sample Recovery Accept Range

Benzene	139	50.0	189	100%	39 - 150
Toluene	584	50.0	634	100%	46 - 148
Ethylbenzene	37.7	50.0	87.4	100%	32 - 160
p,m-Xylene	313	100.0	412	100%	46 - 148
o-Xylene	197	50.0	247	100%	46 - 148

ND - Parameter not detected at the stated detection limit.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for samples D334 - D339.

[Signature]
Analyst

[Signature]
Review

CAS80

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: AXI APACHE J #25

Location: Unit or Qtr/Qtr Sec A Sec 7 T 25N R 5W County RIO ARRIBA

Land Type: RANGE

Date Remediation Started: 6/3/98 Date Completed: 5/19/99

Remediation Method: Landfarmed ☒ Approx. cubic yards +25,375
Composted ☐
Other ☐

Depth To Groundwater: (pts.) 0
Distance to an Ephemeral Stream (pts.) 0
Distance to Nearest Lake, Playa, or Watering Pond (pts.) 0
Wellhead Protection Area: (pts.) 0
Distance To Surface Water: (pts.) 0
RANKING SCORE (TOTAL POINTS): 0

Final Closure Sampling:

Sampling Date: 5/14/99 Time: 1000

Sample Results:

Field Headspace (ppm) 0.0
TPH (ppm) 27.9 Method 8015
Other ☐

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 5/19/99 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 ☒ NO ☐ (REASON) ☐

SIGNED: Kee C. Manell DATE: 6-3-99

CLIENT: <u>CONOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>CA580</u> C.D.C. NO: <u>6666</u>
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FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: <u>AXI APACHE J</u> WELL #: <u>25</u> PITS: <u>SEP.</u>	DATE STARTED: <u>5/14/99</u>
QUAD/UNIT: <u>A</u> SEC: <u>7</u> TWP: <u>25N</u> RNG: <u>5W</u> PM: <u>NM</u> CNTY: <u>RA</u> ST: <u>NM</u>	DATE FINISHED: _____
SUR/FOOTAGE: <u>NE/4 NE/4</u> CONTRACTOR: <u>JVC</u>	ENVIRONMENTAL SPECIALIST: <u>NV</u>

SOIL REMEDIATION:

REMEDICATION SYSTEM: LANDFARM APPROX. CUBIC YARDAGE: 375
 LAND USE: RANGE LIFT DEPTH (ft): 1-1.5

FIELD NOTES & REMARKS:

DEPTH TO GROUNDWATER: 7100' NEAREST WATER SOURCE: 71000' NEAREST SURFACE WATER: 71000'
 NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5000 PPM 6/3/98

mostly OK. YELL. ORANGE SAND, MED. TO DK. GRAY DISCOLORATION OBSERVED @ SAMPLE PT. (4)
 NON COHESIVE, SLIGHTLY MOIST, FIRM SAMPLING DEPTHS RANGE FROM 6 TO 8 INCHES
 NO APPARENT STRAINING OBSERVED, NO APPARENT HE ODOR IN OVM SAMPLE, COLLECTED 5 FT.
 COMPOSITE SAMPLE FOR LAB ANALYSIS.

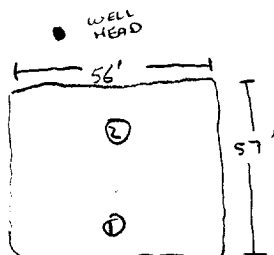
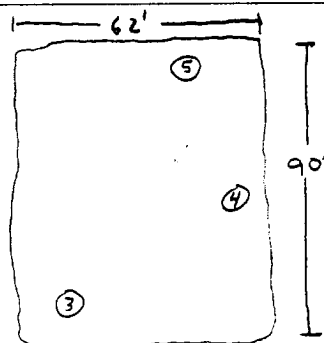
CLOSED

APPROX. 250 C.Y. DEPOSED
FROM AXI APACHE J 18

FIELD 418.1 CALCULATIONS

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

SKETCH/SAMPLE LOCATIONS



OVM RESULTS

LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	0.0	LF-1	TPH (8015)	1000	27.9

SCALE



TRAVEL NOTES:

CALLOUT: NA

ONSITE: 5/14/99

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

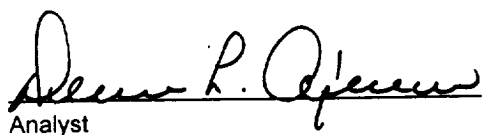
Client:	Blagg / CONOCO	Project #:	403410
Sample ID:	LF - 1	Date Reported:	05-19-99
Laboratory Number:	F266	Date Sampled:	05-14-99
Chain of Custody No:	6666	Date Received:	05-18-99
Sample Matrix:	Soil	Date Extracted:	05-18-99
Preservative:	Cool	Date Analyzed:	05-19-99
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

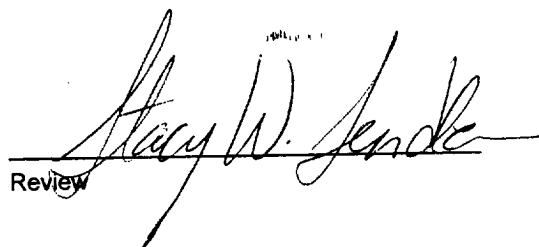
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	3.2	0.2
Diesel Range (C10 - C28)	24.7	0.1
Total Petroleum Hydrocarbons	27.9	0.2

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: AXI Apache J #25 Landfarm. 5 Pt. Composite.


Analyst


Review

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[illegible]

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	05-19-TPH QA/QC	Date Reported:	05-19-99
Laboratory Number:	F264	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	05-19-99
Condition:	N/A	Analysis Requested:	TPH

	Lab Date	Lab RE	Client RE	% Difference	Accept Range
Gasoline Range C5 - C10	03-15-99	4.4525E-002	4.4312E-002	0.48%	0 - 15%
Diesel Range C10 - C28	03-15-99	4.1817E-002	4.1583E-002	0.56%	0 - 15%

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

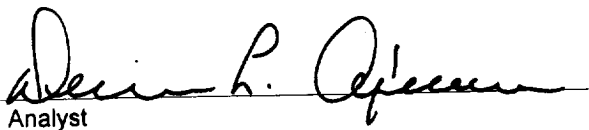
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%

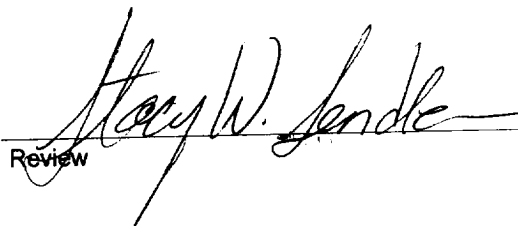
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
Gasoline Range C5 - C10	ND	250	250	100%	75 - 125%
Diesel Range C10 - C28	ND	250	250	100%	75 - 125%

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: QA/QC for samples F264 - F268.


Analyst


Review