

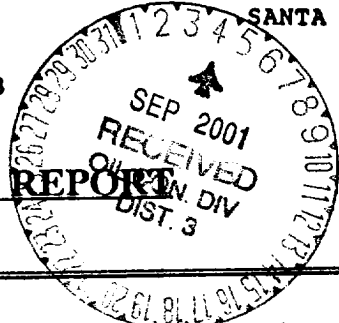
District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM 88211
District III
1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

OK - 12/13/01

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088



PIT REMEDIATION AND CLOSURE REPORT

Operator: Amoco Production Company Telephone: (505) - 326-9200
Address: 200 Amoco Court, Farmington, New Mexico 87401
Facility Or: A.L. ELLIOTT B1
Well Name _____
Location: Unit or Qtr/Qtr sec H sec 10 T29N R10W County SAN JUAN
Pit Type: Separator Dehydrator _____ Other _____
Land Type: BLM , State _____, Fee _____, Other _____

Pit Location: Pit dimensions: length 10', width 18', depth 6'
(Attach diagram) Reference: wellhead , other _____
Footage from reference: 105'
Direction from reference: 40 Degrees East North _____
_____ of _____
_____ West South

Depth To Ground Water: (Vertical distance from contaminants to seasonal high water elevation of ground water)
Less than 50 feet (20 points)
50 feet to 99 feet (10 points)
Greater than 100 feet (0 Points) 0

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) 0

Distance To Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)
Less than 200 feet (20 points)
200 feet to 1000 feet (10 points)
Greater than 1000 feet (0 points) 0

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: _____ Date Completed: 10/24/94

Remediation Method: Excavation Approx. cubic yards 25
(Check all appropriate sections) Landfarmed Insitu Bioremediation _____

Other _____

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

General Description Of Remedial Action: _____
Excavation

nmad letter correspondence 12-5-96

Ground Water 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 4'
Sample date 10/19/94 Sample time 1045

Sample Results
Benzene(ppm) 0.114
Total BTEX(ppm) 25.659
Field headspace(ppm) 856
TPH 820 ppm

Ground Water 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 10/24/94
SIGNATURE B. Shaw PRINTED NAME AND TITLE Buddy D. Shaw Environmental Coordinator

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80126</u> C.D.C. NO: <u>2158</u>
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FIELD REPORT: CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: <u>A.L. ELLIOTT</u> WELL # <u>81</u> PIT: <u>SEP</u>	DATE STARTED: <u>10/19/94</u> DATE FINISHED: _____
QUAD/UNIT: <u>H</u> SEC: <u>10</u> TWP: <u>29N</u> RNG: <u>10W</u> PM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u>	ENVIRONMENTAL SPECIALIST: <u>NV</u>
QTR/FOOTAGE: <u>SE/4</u> <u>NE/4</u> CONTRACTOR: <u>P. VELASQUEZ</u>	

EXCAVATION APPROX. 10 FT. x 18 FT. x 6 FT. DEEP. CUBIC YARDAGE: 25

DISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: LANDFARMED

LAND USE: RANGE LEASE: SF-078132 FORMATION: MV

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 105 FT. S40E FROM WELLHEAD.
 DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'

NMDCD RANKING SCORE: 0 NMDCD TPH CLOSURE STD: 5000 PPM

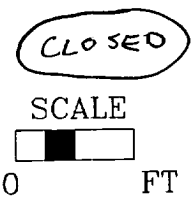
SOIL AND EXCAVATION DESCRIPTION:

CHECK ONE:

PIT ABANDONED

STEEL TANK INSTALLED

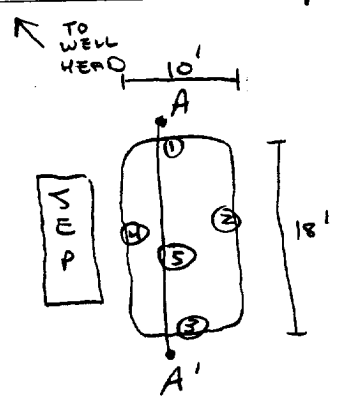
EXCAVATION MOSTLY IN BEDROCK, HARD, DR. YELL. ORANGE TO DR. GRAY (BOTTOM), WEST SIDEWALL MOST FILL DIRT, MOD. YELL. BROWN, NON-COHESIVE, SLIGHTLY MOIST, FIRM, STRONG HC ODOR.



FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1045	④ @ 4'	TPH-1204	5	20	1:1	205	820

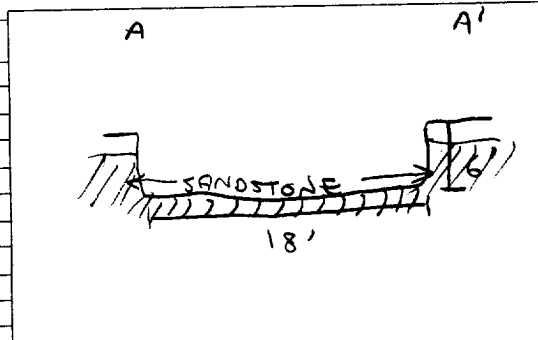
PIT PERIMETER



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 4'	0.0
2 @ 3'	146.1
3 @ 3'	2.5
4 @ 4'	856
5 @ 2'	881

PIT PROFILE



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
④ @ 4'	BTX	1045
PASSED		

TRAVEL NOTES: CALLOUT: 10/12/94 ONSITE: 10/19/94

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: Amoco
Sample ID: 4 @ 4'
Project Location: A.L. Elliott B 1
Laboratory Number: TPH-1204

Project #:
Date Analyzed: 10-20-94
Date Reported: 10-20-94
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	820	20

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	1024	1044	1.93

*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 - B0126

Nelson Vely
Analyst

R. E. O'Neill
Review

OFF: (505) 325-8786



LAB: (505) 325-5667

AROMATIC VOLATILE ORGANICS

Attn: *Nelson Velez*
 Company: *Blagg Engineering*
 Address: *P.O. Box 87*
 City, State: *Bloomfield, NM 87413*

Date: *10/21/94*
 Lab ID: *2158*
 Sample ID: *3674*
 Job No. *2-1000*

Project Name: *A. L. Elliott B 1*
 Project Location: *4 @ 4' - Separator Pit*
 Sampled by: *NV* Date: *10/19/94*
 Analyzed by: *DLA* Date: *10/21/94*
 Sample Matrix: *Soil*

Time: *10:40*

Aromatic Volatile Organics

Component	Measured Concentration ug/kg	Detection Limit Concentration ug/kg
<i>Benzene</i>	<i>114</i>	<i>0.2</i>
<i>Toluene</i>	<i>8,532</i>	<i>0.2</i>
<i>Ethylbenzene</i>	<i>1,110</i>	<i>0.2</i>
<i>m,p-Xylene</i>	<i>10,137</i>	<i>0.2</i>
<i>o-Xylene</i>	<i>5,766</i>	<i>0.2</i>
	TOTAL <i>25,659 ug/kg</i>	

ND - Not Detectable

Method - SW-846 EPA Method 8020 Aromatic Volatile Organics by Gas Chromatography

Approved by: *[Signature]*
 Date: *10/24/94*

P. O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

CLIENT: <u>BP</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>B0126</u> C.O.C. NO: <u>8401</u>
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FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: <u>ELLIOTT, A.L.</u> B WELL #: <u>1</u> PITS: <u>SEP.</u>	DATE STARTED: <u>5/1/01</u> DATE FINISHED: _____
QUAD/UNIT: <u>H</u> SEC: <u>10</u> TWP: <u>29N</u> RNG: <u>9W</u> PM: <u>NM</u> CNTY: <u>ST</u> ST: <u>NM</u>	ENVIRONMENTAL SPECIALIST: <u>NV</u>
QTR/FOOTAGE: <u>SE1/4 NE1/4</u> CONTRACTOR: <u>PAUL & SONS</u>	

SOIL REMEDIATION:

REMEDICATION SYSTEM: LANDFARM APPROX. CUBIC YARDAGE: 25

LAND USE: RANGE-FED LEASE SF 078132 LIFT DEPTH (ft): 1.0

FIELD NOTES & REMARKS:

DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'

NMOC D RANKING SCORE: 0 NMOC D TPH CLOSURE STD: 5000 PPM

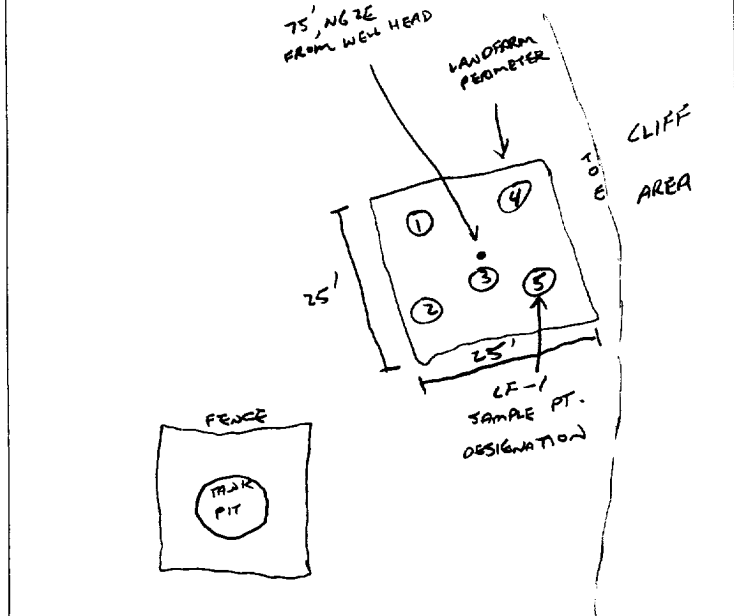
SOIL OR. YELL. ORANGE SAND, NON COHESIVE, SLIGHTLY MOIST, LOOSE TO FIRM, NO APPARENT HC OODR DETECTED @ ANY OF THE SAMPLING PTS., SAMPLING DEPTHS RANGE FROM 0.5'-1.0', COLLECTED 5 FT. COMPOSITE SAMPLE FOR LAB ANALYSIS.

CLOSED

FIELD 418.1 CALCULATIONS

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

SKETCH/SAMPLE LOCATIONS ↑ N

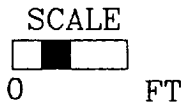


OVM CALIB. READ. 52.8 ppm
 TIME: 0930 (am) pm 5/1/01

OVM RESULTS

LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
<u>LF-1</u>	<u>1.2</u>	<u>LF-1</u>	<u>TPH (80'S)</u>	<u>0930</u>	<u>ND</u>



TRAVEL NOTES: CALLOUT: N/A ONSITE: 4/30/01 & 5/1/01

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

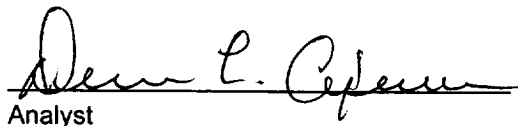
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	LF - 1	Date Reported:	05-03-01
Laboratory Number:	19806	Date Sampled:	05-01-01
Chain of Custody No:	8401	Date Received:	05-01-01
Sample Matrix:	Soil	Date Extracted:	05-03-01
Preservative:	Cool	Date Analyzed:	05-03-01
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

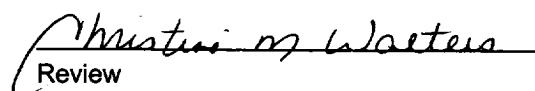
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.1

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: Elliott, A. L. Lease Landfarms. B #1.


Analyst


Review

CHAIN OF CUSTODY RECORD

08401

Client / Project Name		Project Location		ANALYSIS / PARAMETERS																				
BLAGE / BP		ELLIOTT, A.L. LEASE																						
Sampler: NJV		Client No. 94034-010																						
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TPH (8015)									Remarks									
LF-1 D-9	5/1/01	0850	19805	SOIL	1	✓									ALL SAMPLES PRESERVED COOL									
LF-1 B-1	5/1/01	0930	19806	SOIL	1	✓									ELLIOTT, A.L. D #9									
LF-1 B-6	5/1/01	1005	19807	SOIL	1	✓									ELLIOTT, A.L. B #1									
LF-1 B-1A	5/1/01	1115	19808	SOIL	1	✓									ELLIOTT, A.L. B #6									
LF-1 B-7	5/1/01	1200	19809	SOIL	1	✓									ELLIOTT, A.L. B #1A									
LF-1 B-2	5/1/01	1300	19810	SOIL	1	✓									ELLIOTT, A.L. B #7									
															ELLIOTT, A.L. B #2									
															ALL SAMPLES - 5 FT. COMPOSITE									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time														
<i>[Signature]</i>		5/1/01		1438		<i>Christina Walton</i>		5-1-01		14:35														
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time														
						Received by: (Signature)																		
<p style="text-align: center;">ENVIROTECH INC.</p> <p style="text-align: center;">5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615</p>																								
Sample Receipt																								
<table border="1" style="width: 100%;"> <tr> <td>Y</td> <td>N</td> <td>N/A</td> </tr> <tr> <td>Received Intact</td> <td>✓</td> <td></td> </tr> <tr> <td>Cool - Ice/Blue Ice</td> <td>✓</td> <td></td> </tr> </table>																Y	N	N/A	Received Intact	✓		Cool - Ice/Blue Ice	✓	
Y	N	N/A																						
Received Intact	✓																							
Cool - Ice/Blue Ice	✓																							