

SEP - OK
12/11/01

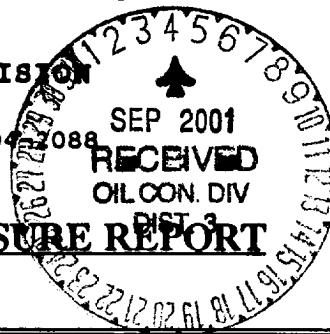
1000 Rio Brazos Rd, Aztec, NM 87410

12/11/01 State of New Mexico
Energy, Minerals and Natural Resources Department

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

P.O. Box 2088

Santa Fe, New Mexico 87504-2088



PTT 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 B *2A
Well Name

Location: Unit or Qtr/Qtr Sec 0 Sec 10 T 29N R 9W County SAN JUAN

Pit Type: Separator ☒ Dehydrator ☐ Other ☐

Land Type: BLM X, State , Fee , Other

Pit Location: Pit dimensions: length 60', width 60', depth 28'
(Attach diagram)

Reference: wellhead X, other

Footage from reference: 100

Direction from reference: 45 Degrees X East North _____
of
West South X

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) 20

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): 20

Date Remediation Started: _____ Date Completed: 10-28-94

Remediation Method: Excavation X Approx. cubic yards 2500
 (Check all appropriate sections) Landfarmed X Insitu Bioremediation _____
 Other _____

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

General Description Of Remedial Action: _____

Excavation. CAN ONLY ACCOUNT FOR 1350 CUBIC YARDS DURING
 LANDFARM CLOSURE ACTIVITY. IT IS POSSIBLE THAT THE REMAINING
 1150 CUBIC YARDS WAS DEEMED CLEAN OVERBURDEN & PLACED BACK INTO
 THE EXCAVATION. 9/12/01.

AMOC D letter correspondence 12-4-96

Ground Water Encountered: No X Yes _____ Depth _____

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

Sample location see Attached Documents

Sample depth 30'

Sample date 10-28-94 Sample time _____

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) ND

TPH ND

Ground Water Sample: Yes _____ No X (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 10/28/94

SIGNATURE

Buddy D. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
ENVIRONMENTAL COORDINATOR

RESULTS TO BOB McCOI 10-28-94

CLIENT: <u>Amoco</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>BOL39</u> C.D.C. NO: _____
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FIELD REPORT: PIT CLOSURE VERIFICATION

LOCATION: NAME: <u>A.L. ELLIOTT</u> <u>B</u> WELL #: <u>2A</u> PIT: <u>SEP</u>	DATE STARTED: <u>10-28-94</u>
QUAD/UNIT: <u>0</u> SEC: <u>10</u> TWP: <u>29N</u> RNG: <u>9W</u> BM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u>	DATE FINISHED: _____
QTR/FOOTAGE: <u>SW/SE</u> CONTRACTOR: <u>PAUL + SONS</u>	ENVIRONMENTAL SPECIALIST: <u>PEO</u>

EXCAVATION APPROX. 60 FT. x 60 FT. x 28 FT. DEEP. CUBIC YARDS: 2500
DISPOSAL FACILITY: ON SITE REMEDIATION METHOD: LANDFARM
LAND USE: RANGE LEASE: 078132 FORMATION:

FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>100</u> FEET <u>S45°E</u> FROM WELLHEAD.		
DEPTH TO GROUNDWATER: <u>< 50'</u>	NEAREST WATER SOURCE: <u>> 1000'</u>	NEAREST SURFACE WATER: <u>> 1000'</u>	
NMOC D RANKING SCORE: <u>20</u>	NMOC D TPH CLOSURE STD: <u>100</u> PPM		

SOIL AND EXCAVATION DESCRIPTION: PIT DISPOSITION: ABANDONED
LARGE, DEEP EXCAVATION - SILTY SANDS, MOIST, BROWN. - NO ODOOR / STAIN.

FIELD 418.1 CALCULATIONS

SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
NB @ 30'	1234	10.0	20.0	-	4	ND

CLOSE ALT

SCALE

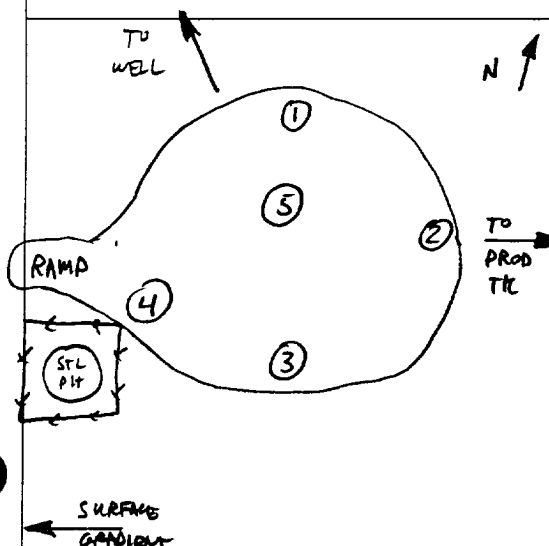
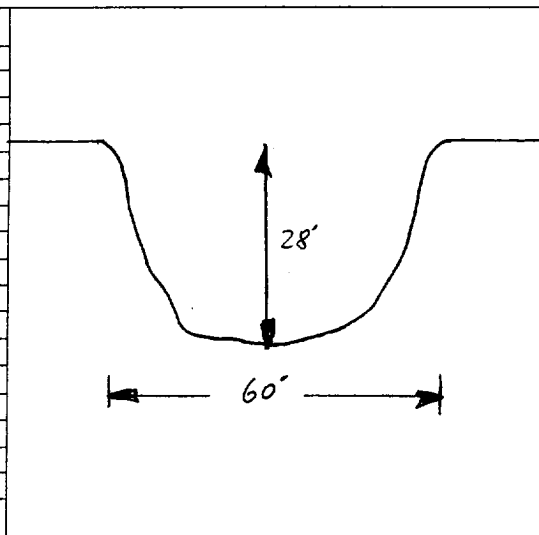


0 10 20 FT

PIT PERIMETER

OVM RESULTS

PIT PROFILE

[illegible]

TRAVEL NOTES: CALLOUT: 10-28-94 ONSITE: 10-28-94 0800

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: N Bottom @ 30'
Project Location: A.L. Elliott B 2A
Laboratory Number: TPH-1234

Project #:
Date Analyzed: 10-28-94
Date Reported: 10-28-94
Sample Matrix: Soil

Parameter -----	Result, mg/kg -----	Detection Limit, mg/kg -----
Total Recoverable Petroleum Hydrocarbons	ND	10

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg -----	Duplicate TPH mg/kg -----	% *Diff. -----
	3,400	2,920	15

*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 - B0139

R. E. O'Neil
Analyst

Nikolas Vely
Review

CLIENT: <u>BP</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80139</u> C.O.C. NO: <u>8408</u>
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FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: <u>ELLIOTT, A.L.</u> B WELL #: <u>2A</u> PITS: <u>SEP.</u> QUAD/UNIT: <u>0</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> QTR/FOOTAGE: <u>SW/SE</u> CONTRACTOR: <u>P & S</u>	DATE STARTED: <u>5/30/01</u> DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST: <u>NV</u>
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SOIL REMEDIATION:

REMEDICATION SYSTEM: <u>LANDFARM</u>	APPROX. CUBIC YARDAGE: <u>1350</u>
LAND USE: <u>RANGE - BLM</u> <u>SF-078132</u>	LIFT DEPTH (ft): <u>1-2</u>

FIELD NOTES & REMARKS:

DEPTH TO GROUNDWATER: < 50' NEAREST WATER SOURCE: > 1000' NEAREST SURFACE WATER: < 1000'
 NMOCB RANKING SCORE: 30 NMOCB TPH CLOSURE STD: 100 PPM P.C. - 10/28/94

OK. YELL. ORANGE TO MOD. YELL. BROWN SAND, NON COHESIVE, SLIGHTLY MOIST, LOOSE TO FIRM, NO APPARENT DISCOLORATION/STAINING OBSERVED OR HC odor DETECTED @ ANY OF THE SAMPLE PTS. OR DUM SAMPLES, COLLECTED 2 - 5 FT. COMPOSITE SAMPLES 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

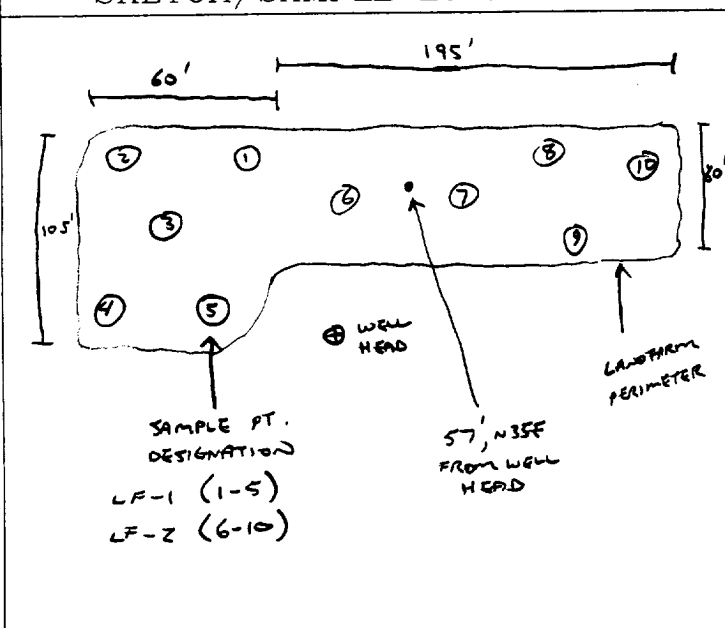
OVM CALIB. READ. 53.0 ppm
 TIME: 0800 @ pm 5/30/01

OVM RESULTS

LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	0.0	LF-1	TPH (8015)	0930	ND
LF-2	0.0	LF-2	TPH (8015)	1030	0.8

SCALE



TRAVEL NOTES: CALLOUT: N/A ONSITE: 5/30/01

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

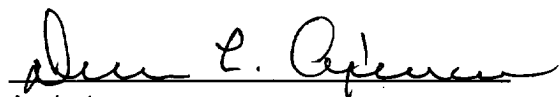
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	LF - 1	Date Reported:	05-31-01
Laboratory Number:	19940	Date Sampled:	05-30-01
Chain of Custody No:	8408	Date Received:	05-30-01
Sample Matrix:	Soil	Date Extracted:	05-30-01
Preservative:	Cool	Date Analyzed:	05-31-01
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

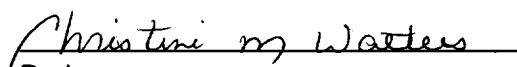
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.1

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. B #2A Landfarm 5 Pt. Composite.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

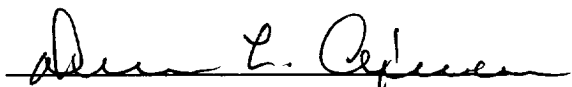
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	LF - 2	Date Reported:	05-31-01
Laboratory Number:	19941	Date Sampled:	05-30-01
Chain of Custody No:	8408	Date Received:	05-30-01
Sample Matrix:	Soil	Date Extracted:	05-30-01
Preservative:	Cool	Date Analyzed:	05-31-01
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

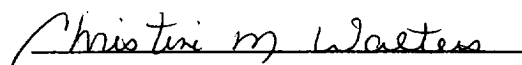
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	0.8	0.1
Total Petroleum Hydrocarbons	0.8	0.1

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. B #2A Landfarm 5 Pt. Composite.


Analyst


Review

CHAIN OF CUSTODY RECORD

08408

Client / Project Name		Project Location		ANALYSIS / PARAMETERS																					
BAGG-1BP		LANDFILLS																							
Sampler: NJV		ELL107T, A.L. LEASE																							
Client No. 94034-010		Lab Number		Sample Matrix		No. of Containers		TPH (8015)				Remarks													
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TPH (8015)																			
LF-1	5/30/01	0930	19940	SOIL	1	✓							ALL SAMPLES												
LF-2	5/30/01	1030	19941	SOIL	1	✓							5 PT. COMPOSITE												
LF-1	5/30/01	1130	19942	SOIL	1	✓							ELLIOTT, A.L. B#2A												
LF-1	5/30/01	1230	19943	SOIL	1	✓							" " "												
LF-1	5/30/01	1330	19944	SOIL	1	✓							ELLIOTT, A.L. B#4												
													ELLIOTT, A.L. D#2												
													ELLIOTT, A.L. C#1												
													ALL SAMPLES												
													PRESERVED COOL												
Relinquished by: (Signature)	5/30/01	1457	Received by: (Signature)	5/30/01	1457	Time	Date	Received by: (Signature)	5/30/01	1457	Date	Time													
Relinquished by: (Signature)			Received by: (Signature)					Received by: (Signature)																	
Relinquished by: (Signature)			Received by: (Signature)					Received by: (Signature)																	
ENVIROTECH INC. 5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615																									
Sample Receipt																									
<table border="1"> <tr> <td>Y</td> <td>N</td> <td>N/A</td> </tr> <tr> <td>✓</td> <td></td> <td></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																							
✓																									
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