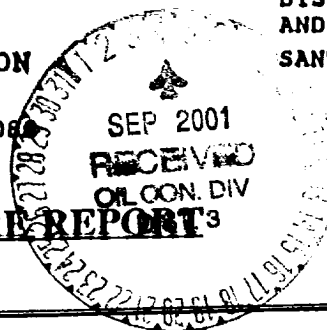


District I
O. Box 1980, Hobbs, NM
District II
O. Drawer DD, Artesia, NM 88211
District III
O. Rio Brazos Rd, Aztec, NM 87410

Blow - Aztec School
12/11/01
sep - OK
State of New Mexico
Energy, Minerals and Natural Resources Department
OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

80088
SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORT



Operator: Amoco Production Company Telephone: (505) - 326-9200
Address: 200 Amoco Court, Farmington, New Mexico 87401
Facility Or: ELLIOTT, A.L. C1
Well Name
Location: Unit or Qtr/Qtr Sec 8 Sec 15 T 29N R 9W County SAN JUAN
Pit Type: Separator Dehydrator Other BLOW
Land Type: BLM X, State , Fee , Other

Pit Location: Pit dimensions: length 17', width 30', depth 7'
(Attach diagram) Reference: wellhead X, other
Footage from reference: 225'
Direction from reference: 45 Degrees X East North X
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) 10
Greater than 1000 feet (0 points)

RANKING SCORE (TOTAL POINTS): 10

Date Remediation Started: _____ Date Completed: 9/13/94

Remediation Method: Excavation ☒ Approx. cubic yards 75
(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

Amocd letter correspondence 12-10-94

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 9/13/94 Sample time 1400

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) 150.8

TPH 33,200 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 9/14/94

SIGNATURE B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
ENVIRONMENTAL COORDINATOR

FIELD REPORT: CLOSURE VERIFICATION	PAGE No: <u>1</u> of <u>1</u>
------------------------------------	-------------------------------

LOCATION: NAME: <u>ELLIST, A.L.</u>	WELL #: <u>C1</u>	PIT: <u>BLOW</u>	DATE STARTED: <u>9/13/94</u>
QUAD/UNIT: <u>B</u>	SEC: <u>15</u>	TWP: <u>29N</u>	DATE FINISHED: <u>9/13/94</u>
QTR/FOOTAGE: <u>NW/4 NE/4</u>	CONTRACTOR: <u>P. VELASQUEZ</u>		ENVIRONMENTAL SPECIALIST: <u>NV</u>

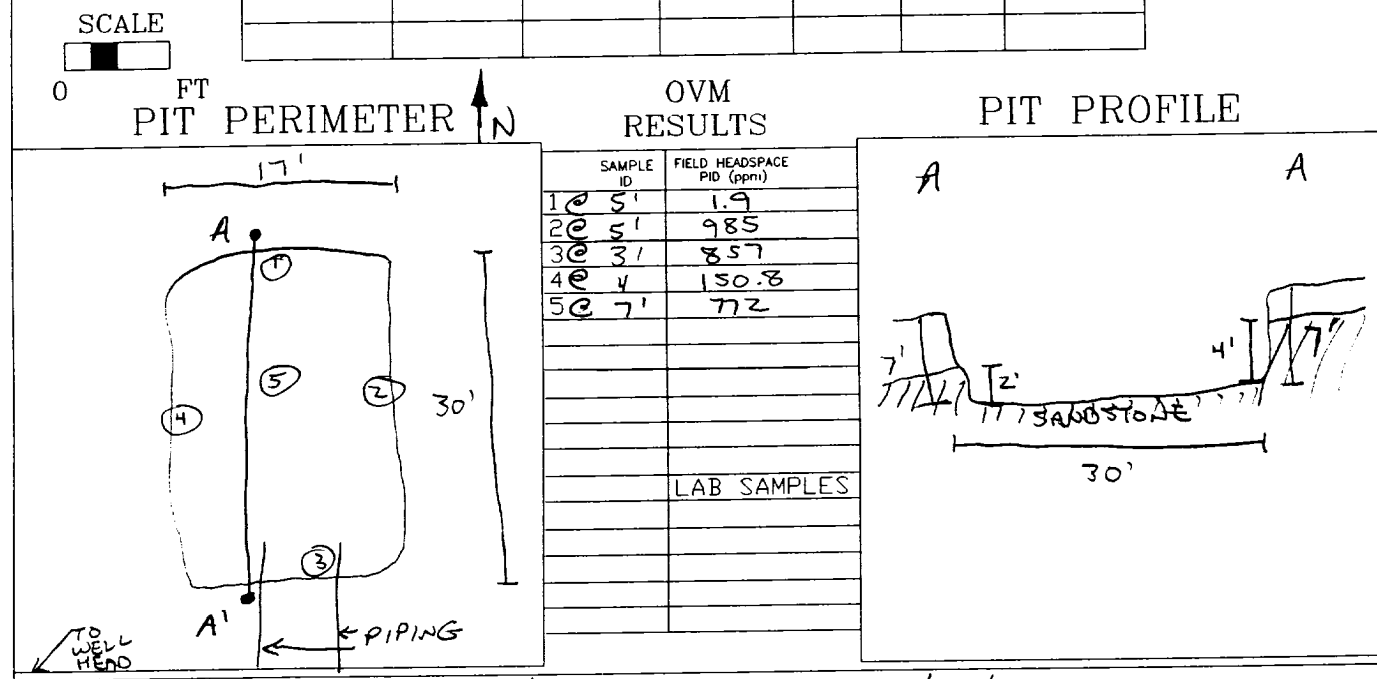
SOIL REMEDIATION: EXCAVATION APPROX. 17 FT. x 30 FT. x 7 FT. DEEP.
DISPOSAL FACILITY: LANDFARMED ON-SITE CUBIC YARDAGE: 75
LAND USE: RANGE LEASE: _____

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 225 FEET N45E FROM WELLHEAD.
DEPTH TO GROUNDWATER: 7100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: <1000'
NMOC D RANKING SCORE: 10 NMOC D TPH CLOSURE STD: 1000 PPM FORMATION: mv

SOIL AND EXCAVATION DESCRIPTION: DUM SAMPLES VARYING IN COLOR RANGING FROM DR. YELL. DRANGE (NORTH SIDEWALL) TO DR. MED. GRAY. EXCAVATION MOSTLY IN SANDSTONE (SEE PIT PROFILE). NEARLY ALL SANDSTONE DISCOLORED WITHIN EXCAVATION.

CLOSED
DUE
TO
SANDSTONE

SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
④ @ 4'	TPH-1135	5	20	100:1	83	33,200



TRAVEL NOTES: CALLOUT: 9/12/94 ONSITE: 9/13/94

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: Elliott, A.L. C 1
Laboratory Number: TPH-1135

Project #:
Date Analyzed: 9-13-94
Date Reported: 9-13-94
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	33,200	2,000

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	49200	46000	6.72

*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: Blow Pit - B0088


Analyst


Review

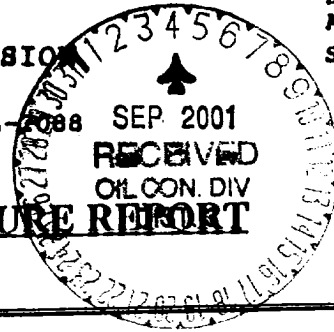
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District III
000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

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

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



PIT REMEDIATION AND CLOSURE REPORT

Operator: Amoco Production Company Telephone: (505) - 326-9200
Address: 200 Amoco Court, Farmington, New Mexico 87401
Facility Or: ELLIOTT, A. L. C1
Well Name
Location: Unit or Qtr/Qtr Sec B Sec 15 T 29N R 9W County SAN JUAN
Pit Type: Separator ☒ Dehydrator ☐ Other ☐
Land Type: BLM ☒ State ☐ Fee ☐ Other ☐

Pit Location: Pit dimensions: length 15', width 18', depth 6'
(Attach diagram) Reference: wellhead ☒, other ☐
Footage from reference: 9.5'
Direction from reference: 75 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) 10

RANKING SCORE (TOTAL POINTS): 10

Date Remediation Started: _____ Date Completed: 9/13/94

Remediation Method: Excavation ☒ Approx. cubic yards 30
(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 12-10-96
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 3'
Sample date 9/13/94 Sample time 1305

Sample Results

Benzene(ppm) _____
Total BTEX(ppm) _____
Field headspace(ppm) 20.8
TPH 36 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 9/14/94
SIGNATURE B. Shaw PRINTED NAME AND TITLE Buddy D. Shaw Environmental Coordinator

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 @ 3'
Project Location: Elliott, A.L. C 1
Laboratory Number: TPH-1134

Project #:
Date Analyzed: 9-13-94
Date Reported: 9-13-94
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	36	20

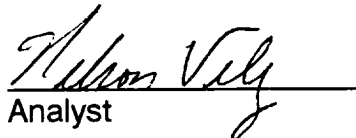
ND = Not Detectable at stated detection limits.

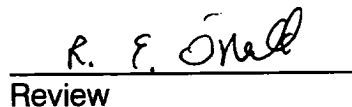
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	49200	46000	6.72

*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 - B0088


Analyst


Review

CLIENT: <u>BP</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>B0088</u> C.D.C. NO: <u>8408</u>
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FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: <u>ELLIOTT, A.L.</u> C WELL #: <u>1</u> PITS: <u>BLOW, SEP.</u> QUAD/UNIT: <u>B</u> SEC: <u>15</u> TWP: <u>29N</u> RNG: <u>9W</u> PM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u> QTR/FOOTAGE: <u>nw/NE</u> CONTRACTOR: <u>P+S</u>	DATE STARTED: <u>5/30/01</u> DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST: <u>NV</u>
--	---

SOIL REMEDIATION:

REMEDICATION SYSTEM: <u>LANDFARM</u>	APPROX. CUBIC YARDAGE: <u>105</u>
LAND USE: <u>RANGE-BLM SF-078132</u>	LIFT DEPTH (ft): <u>2'</u>

FIELD NOTES & REMARKS:

DEPTH TO GROUNDWATER: <100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'
 NMOC D RANKING SCORE: 10 NMOC D TPH CLOSURE STD: 1000 PPM P.C. - 9/13/94

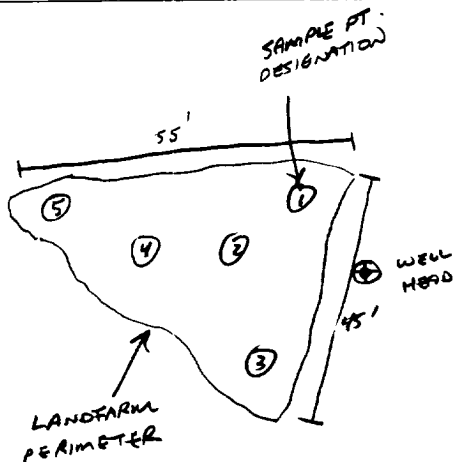
MED. YELL. BROWN SAND WITH SOME MED. GRAY FRIABLE SANDSTONE FRAGMENTS, NON COHESIVE, DRY TO SLIGHTLY MOIST, FIRM TO LOOSE, NO NOTICEABLE STAINING/DISCOLORATION OBSERVED OR HC DOOR DETECTED @ ANY OF THE SAMPLE PTS. OR OVM SAMPLE SAMPLING DEPTH RANGED FROM 6"-18", COLLECTED 5 PT. COMPOSITE SAMPLE FOR LAB ANALYSIS.

CLOSED

FIELD 418.1 CALCULATIONS

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

SKETCH/SAMPLE LOCATIONS



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)	1330	ND

SCALE

0 FT

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

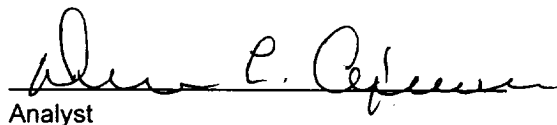
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	LF - 1	Date Reported:	05-31-01
Laboratory Number:	19944	Date Sampled:	05-30-01
Chain of Custody No:	8408	Date Received:	05-30-01
Sample Matrix:	Soil	Date Extracted:	05-30-01
Preservative:	Cool	Date Analyzed:	05-31-01
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

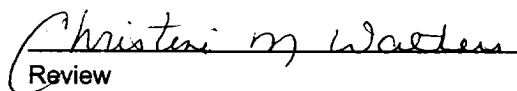
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.1

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. C #1 Landfarm 5 Pt. Composite.


Analyst


Review

08408

Client / Project Name			Project Location		LANDFARMS										ANALYSIS / PARAMETERS									
BAGG / 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	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#Z							
																	ELLIOTT, A.L. C#1							
																	ALL SAMPLES							
																	PRESERVED COOL							
Relinquished by: (Signature)			[Signature]			Date	Time	Received by: (Signature)			Date			Time										
Relinquished by: (Signature)			[Signature]			5/30/01	1457	Christina Walter			5-30-01			1457										
Relinquished by: (Signature)			[Signature]					Received by: (Signature)																
Relinquished by: (Signature)			[Signature]					Received by: (Signature)																
Sample Receipt																								
Y N N/A																								
Received Intact																								
Cool - Ice/Blue Ice																								

ENVIROTECH INC.

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