

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

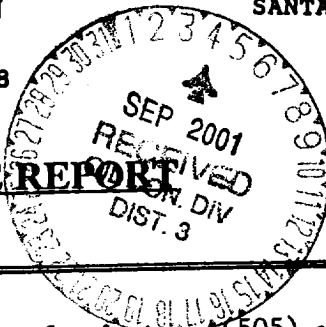
Deny OK - 12/13/01

State of New Mexico
Energy, Minerals and Natural Resources Department

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

80207
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: A. L. ELLIOTT A 4
Well Name
Location: Unit or Qtr/Qtr Sec F Sec 11 T 29N R 9W County SAN JUAN
Pit Type: Separator Dehydrator X Other
Land Type: BLM X, State , Fee , Other

Pit Location: Pit dimensions: length 26', width 32', depth 30'
(Attach diagram) Reference: wellhead X, other
Footage from reference: 90'
Direction from reference: 10 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)
Greater than 1000 feet (0 points) 0

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: _____ Date Completed: 1/25/95

Remediation Method: Excavation ☒ Approx. cubic yards 925
(Check all appropriate sections) Landfarmed ☒ Insitu Bioremediation _____
Other _____

Remediation Location: Onsite ☒ Offsite A.L. ELLIOTT D #2 (K-11-29-9)
(ie. landfarmed onsite, name and location of offsite facility)

General Description Of Remedial Action: _____
Excavation - BEDROCK BOTTOM.

Amold letter correspondence 7-25-90
Ground Water Encountered: No ☒ 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 26'

Sample date 1/24/95 Sample time 1010

Sample Results

Benzene(ppm) .0054

Total BTEX(ppm) 0.1263

Field headspace(ppm) 103.6

TPH 88 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 1/25/95

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>80207</u> C.O.C. NO: <u>2527</u>
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FIELD REPORT: CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>
LOCATION: NAME: <u>A.L. ELLIOTT</u> WELL #: <u>A4</u> PIT: <u>DEHY</u>		DATE STARTED: <u>1/24/95</u> DATE FINISHED: _____
QUAD/UNIT: <u>F</u> SEC: <u>11</u> TWP: <u>29N</u> RNG: <u>9W</u> PM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u>		ENVIRONMENTAL SPECIALIST: <u>NV</u>
QTR/FOOTAGE: <u>SE 1/4 NW 1/4</u> CONTRACTOR: <u>P. VELASQUEZ</u>		

EXCAVATION APPROX. 26 FT. x 32 FT. x 30 FT. DEEP. CUBIC YARDAGE: 925

DISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: LANDFARMED

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

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 90 FT. NIDE FROM WELLHEAD.

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

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

SOIL AND EXCAVATION DESCRIPTION:

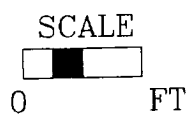
CHECK ONE:
☐ PIT ABANDONED
☒ STEEL TANK INSTALLED

OK. YELL. ORANGE TO MOD. YELL. BROWN SAND, NON-COHESIVE, SLIGHTLY MOIST, FIRM, SLIGHT HC ODOOR IN WEST SIDEWALL OVM SAMPLE.

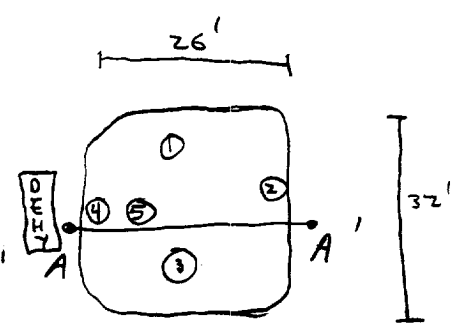
BOTTOM - SANDSTONE, SOFT TO DENSE, LT. OLIVE COLOR, STRONG HC ODOOR IN OVM SAMPLE.

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1010	④ @ 26'	TPH-1353	5	20	1:1	22	88



PIT PERIMETER



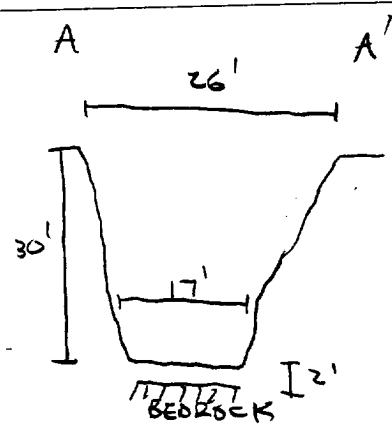
OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 25'	0.0
2 @ 24'	0.0
3 @ 23'	0.0
4 @ 26'	103.6
5 @ 32'	395

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
1/24/95	BTEX	1010
PASSED		

PIT PROFILE



TRAVEL NOTES: CALLOUT: 1/23/95 ONSITE: 1/24/95

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 @ 26'
Project Location: A.L. Elliott A 4
Laboratory Number: TPH-1353

Project #:
Date Analyzed: 01-24-95
Date Reported: 01-24-95
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	88	20

ND = Not Detectable at stated detection limits.

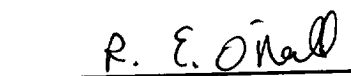
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	512	472	8.13

*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: Dehydrator Pit - B0207


Analyst


Review

OFF: (505) 325-8786

ON SITE
TECHNOLOGIES, LTD.

LAB: (505) 325-5667

AROMATIC VOLATILE ORGANICS

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

Date: *1/25/95*
Lab ID: *2527*
Sample ID: *4871*
Job No. *2-1000*

Project Name: *A. L. Elliott A 4*
Project Location: *4 @ 26' - Dehy. Pit*
Sampled by: *NV* Date: *1/24/95*
Analyzed by: *DLA* Date: *1/25/95*
Sample Matrix: *Soil*

Time: *10:10*

Aromatic Volatile Organics

Component	Measured Concentration ug/kg	Detection Limit Concentration ug/kg
<i>Benzene</i>	<i>5.4</i>	<i>0.2</i>
<i>Toluene</i>	<i>6.3</i>	<i>0.2</i>
<i>Ethylbenzene</i>	<i>3.4</i>	<i>0.2</i>
<i>m,p-Xylene</i>	<i>94.9</i>	<i>0.2</i>
<i>o-Xylene</i>	<i>16.3</i>	<i>0.2</i>
	TOTAL <i>126.3 ug/kg</i>	

ND - Not Detectable

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

Approved by:

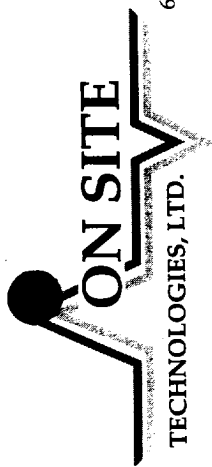
Date:

DLA
1/25/95

P. O. BOX 2606 • FARMINGTON, NM 87499

— TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT —

CHAIN OF CUSTODY RECORD



657 W. Maple • P. O. Box 2606 • Farmington NM 87499
LAB: (505) 325-5667 • FAX: (505) 325-6256

Date: 1/24/95

80207

[illegible]

CLIENT: <u>BP</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	(80207) LOCATION NO: <u>-</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> D WELL #: <u>2</u> PITS: <u>DENY.</u> QUAD/UNIT: <u>K</u> SEC: <u>11</u> TWP: <u>29N</u> RNG: <u>9W</u> PM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u> QTR/FOOTAGE: <u>NE/SW</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:

REMEDIATION SYSTEM: <u>LANDFARM</u>	APPROX. CUBIC YARDAGE: <u>925</u>
LAND USE: <u>RANGE - BLM SF-078132</u>	LIFT DEPTH (ft): <u>1-1.5</u>

FIELD NOTES & REMARKS:

DEPTH TO GROUNDWATER: <50' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: <1000'

NMDCD RANKING SCORE: 30 NMDCD TPH CLOSURE STD: 100 PPM P.C. - 1/24/95 (A#4)

SOIL ASSUMED FROM NEARBY ELLIOTT, A.L. A #4 WELL SITE

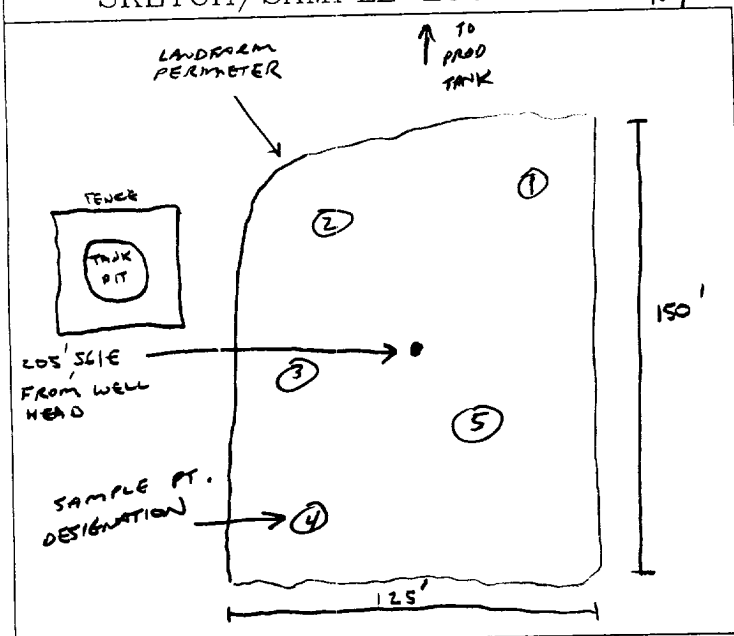
OR. YELL. ORANGE SAND, NON COHESIVE, DRY TO SLIGHTLY MOIST, LOOSE TO FIRM, NO APPARENT STAINING/DISCOLORATION OBSERVED OR HC ODR DETECTED @ ANY OF THE SAMPLE PTS. OR OVM SAMPLE, SAMPLING DEPTHS RANGED FROM 6"-1', COLLECTED 5 FT. COMPOSITE SAMPLE FOR LAB ANALYSIS.

CLOSED

FIELD 418.1 CALCULATIONS

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

SKETCH/SAMPLE LOCATIONS N ↑



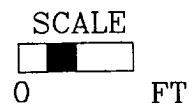
OVM CALIB. READ: 53.0 ppm
 TIME: 0800 @ pm 5/30/01

OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
LF-1	0.0

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	TPH (8015)	1230	ND



ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

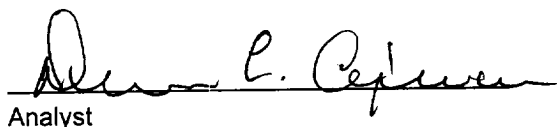
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	LF - 1	Date Reported:	05-31-01
Laboratory Number:	19943	Date Sampled:	05-30-01
Chain of Custody No:	8408	Date Received:	05-30-01
Sample Matrix:	Soil	Date Extracted:	05-30-01
Preservative:	Cool	Date Analyzed:	05-31-01
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

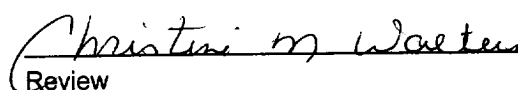
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.1

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. D #2 Landfarm 5 Pt. Composite.


Analyst


Review

CHAIN OF CUSTODY RECORD

08408

Client / Project Name		Project Location		ANALYSIS / PARAMETERS									
BAGG-18P		LANDFILLS											
Sampler: NJV		Client No. 94034-010											
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TPH (gals)							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#24
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)	<i>John V. J.</i>	Date	5/30/01	Time	1457	Received by: (Signature)	<i>Christina Walter</i>	Date	5-30-01	Time	1457		
Relinquished by: (Signature)						Received by: (Signature)							
Relinquished by: (Signature)						Received by: (Signature)							
ENVIROTECH INC. 5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615													
Sample Receipt													
										Y	N	N/A	
										Received Intact			
										Cool - Ice/Blue Ice			