

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

Groundwater in btm pit 32' - analysis mislabeled
Approved 12/20/01
State of New Mexico
Energy, Minerals and Natural Resources Department

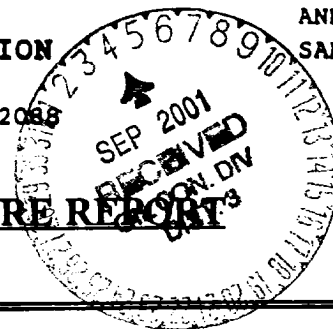
B0006

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

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

**PIT REMEDIATION AND CLOSURE REPORT**

Operator: AMOCO PRODUCTION COMPANY Telephone: 326-9200
Address: 200 AMOCO COURT, FARMINGTON, NM 87401
Facility Or: HEATH, W.D. AS
Well Name _____
Location: Unit or Qtr/Qtr Sec P Sec 7 T 29N R 9W County SAN JUAN
Pit Type: Separator _____ Dehydrator _____ other BLOW
Land Type: BLM ☒, State _____, Fee _____, Other _____

Pit Location: Pit dimensions: length 40', width 50', depth 32'
(Attach diagram) Reference: wellhead ☒, other _____
Footage from reference: 50'
Direction from reference: 55 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) 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: 6/7/94

Remediation Method: Excavation ☒
(Check all appropriate sections)

Approx. cubic yards 1800 2400 ⁷⁵

Landfarmed ☒

Insitu Bioremediation _____

Other _____

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

General Description Of Remedial Action: _____

Ground Water Encountered: No _____ Yes ☒ Depth 32'

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

Sample location SEE " CLOSURE VERIFICATION " SHEET

Sample depth @ GW (32')

Sample date 6/7/94 Sample time 1305

Sample Results

Benzene(ppm) .0038

Total BTEX(ppm) .0038

Field headspace(ppm) 1.2

TPH _____

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 6/13/94

SIGNATURE B. Shaw

PRINTED NAME
AND TITLE

Buddy D Shaw
Environmental Coordinator

ONSITE: 6/7/94

**ON SITE
TECHNOLOGIES, LTD.**

AROMATIC VOLATILE ORGANICS

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

Date: 6/8/94
Lab ID: 1645
Sample ID: 1561
Job No. 2-1000

Project Name: *Heath, W. D. A5*
Project Location: *5 @ GW (32') Blow Pit*

Sampled by: NV Date: 6/7/94 Time: 13:05

Analyzed by: dla Date: 6/8/94

Sample Matrix: *SOIL WATER 7/12/17/01 (NOTE COCK)*

Aromatic Volatile Organics

Component	**Measured Concentration ug/L
Benzene	3.8
Toluene	ND
Ethylbenzene	ND
m,p-Xylene	ND
o-Xylene	ND
TOTAL	3.8 ug/L

ND - Not Detectable

** - Method Detection Limit, 2 ug/L

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

Approved by: *[Signature]*

Date: 6/8/94

CHAIN OF CUSTODY RECORD

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Date:

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1 of

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

80006

Purchase Order No.:		Reference No.:		Name: <u>VERNON WELLS</u> Title: <u>IC</u>	
SEND INVOICE TO		Name		Company	
Company		Address		Mailing Address	
Address		City, State, Zip		City, State, Zip	
City, State, Zip		Telephone No.		Telephone No.	
Special Instructions:		Name		Date/Time	
Sampler:		Company		Date/Time	
Sample Identification		Composite/Grab		Date/Time	
DATE/TIME SAMPLED		PRESERVATIVES		Date/Time	
152260 (32') - show pit 1645-1561		1645-1561		Date/Time	
Relinquished by:		Date/Time		Date/Time	
Relinquished by:		Date/Time		Date/Time	
Relinquished by:		Date/Time		Date/Time	
Method of Shipment:		Date/Time		Date/Time	
Authorized by:		Date		Date	
Client Signature		Must Accompany Request		Date	

Distribution:	White – On Site	Yellow – LAB	Pink – Sampler	Goldenrod – Client
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CLIENT: <u>BP</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80006</u> C.O.C. NO: <u>8412</u>
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FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: <u>HEATH WD</u> A WELL #: <u>5</u> PITS: <u>Blow + SEP.</u>	DATE STARTED: <u>6/5/01</u> DATE FINISHED: _____
QUAD/UNIT: <u>P</u> SEC: <u>17</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: _____ CONTRACTOR: <u>P+S</u>	

SOIL REMEDIATION: 1925	
REMEDIATION SYSTEM: <u>LANDFARM</u>	APPROX. CUBIC YARDAGE: <u>1440</u>
LAND USE: <u>RANGE-BLM</u> SF-076337	LIFT DEPTH (ft): <u>1</u>

FIELD NOTES & REMARKS:

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

NMOC D RANKING SCORE: 20 NMOC D TPH CLOSURE STD: 100 PPM P.C. - 6/7/94

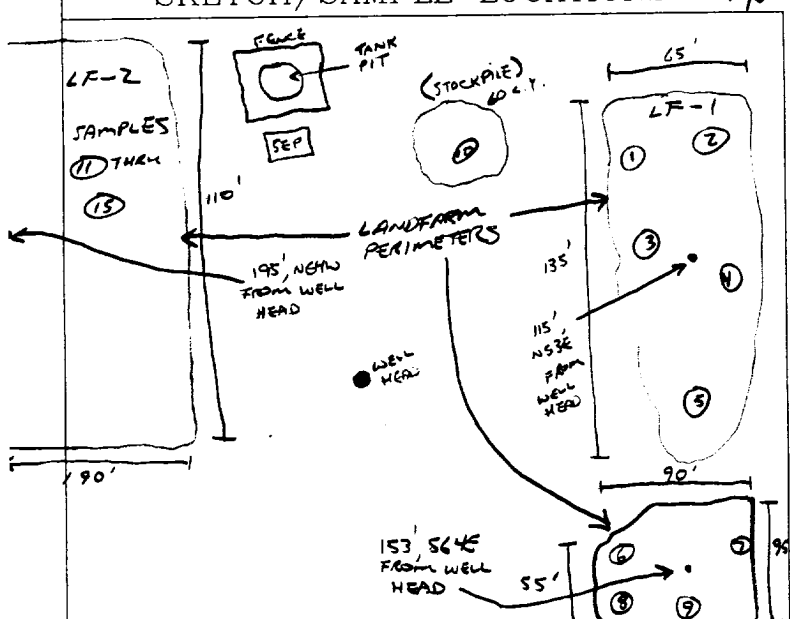
MUD. YELL. ORANGE SAND WITH SOME GRAVEL EXPOSED @ GROUND SURFACE PARTICULARLY @ LF-2, NON COHESIVE, DRY TO SLIGHTLY MOIST, LOOSE TO FIRM, NO APPARENT DISCOLORATION/STAINING OBSERVED OR HC ODOR DETECTED @ ANY OF THE SAMPLE PTS. OR OVM SAMPLES, SAMPLE DEPTHS RANGE FROM 4"-8", COLLECTED 5 FT. COMPOSITE SAMPLES FOR LAB ANALYSIS, STOCKPILE SAMPLE PT. ⑩ INCLUDED IN LF-3 5 FT. COMPOSITE.

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. 52.3 ppm
 TIME: 0805 am 6/5/01

OVM RESULTS

LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	0.0	LF-1	TPH (8015)	0830	NO
LF-2	0.9	LF-2	TPH (8015)	0930	1.0
LF-3	1.4	LF-3	TPH (8015)	1030	44.7

SCALE

 0 FT

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

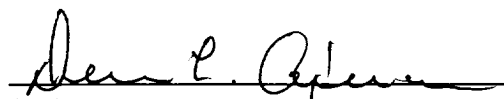
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	LF - 1	Date Reported:	06-07-01
Laboratory Number:	19981	Date Sampled:	06-05-01
Chain of Custody No:	8412	Date Received:	06-05-01
Sample Matrix:	Soil	Date Extracted:	06-06-01
Preservative:	Cool	Date Analyzed:	06-07-01
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

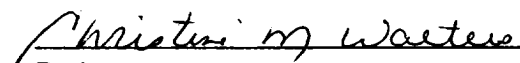
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.1

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: Heath, WD Lease A #5 Landfarm 5 Pt. Composite.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

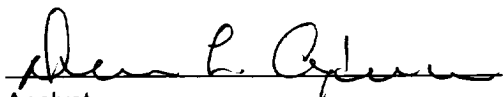
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	LF - 2	Date Reported:	06-07-01
Laboratory Number:	19982	Date Sampled:	06-05-01
Chain of Custody No:	8412	Date Received:	06-05-01
Sample Matrix:	Soil	Date Extracted:	06-06-01
Preservative:	Cool	Date Analyzed:	06-07-01
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

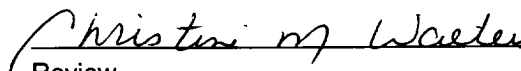
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	1.0	0.1
Total Petroleum Hydrocarbons	1.0	0.1

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: **Heath, WD Lease A #5 Landfarm 5 Pt. Composite.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

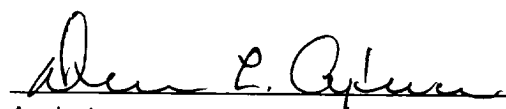
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	LF - 3	Date Reported:	06-07-01
Laboratory Number:	19983	Date Sampled:	06-05-01
Chain of Custody No:	8412	Date Received:	06-05-01
Sample Matrix:	Soil	Date Extracted:	06-06-01
Preservative:	Cool	Date Analyzed:	06-07-01
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

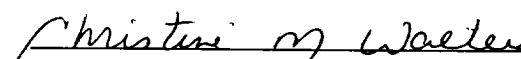
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	0.7	0.2
Diesel Range (C10 - C28)	44.0	0.1
Total Petroleum Hydrocarbons	44.7	0.1

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: Heath, WD Lease A #5 Landfarm 5 Pt. Composite.


Analyst


Review

CHAIN OF CUSTODY RECORD

08412

Client / Project Name		Project Location		ANALYSIS / PARAMETERS											
BLAGG 18P		LANDFARMS													
Sampler: NTV		Client No.													
		94034-010													
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TPH (8015)							Remarks		
LF-1	6/5/01	0830	1981	SOIL	1	✓							ALL SAMPLES		
LF-2	6/5/01	0930	1982	SOIL	1	✓							PRESERVED COOL		
LF-3	6/5/01	1030	1983	SOIL	1	✓							HEATH WD A #5		
LF-1	6/5/01	1130	1984	SOIL	1	✓							" " "		
LF-1	6/5/01	1230	1985	SOIL	1	✓							" " "		
													HEATH WD A #7		
													HEATH WD A #14		
													ALL SAMPLES		
													5 FT. COMPOSITE		
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time					
<i>Heather V. [Signature]</i>		6/5/01		1345		<i>Heather L. [Signature]</i>		6-5-01		1345					
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		✓