

OK-12/13/01

80043

District I

P.O. Box 1980, Hobbs, NM

District II

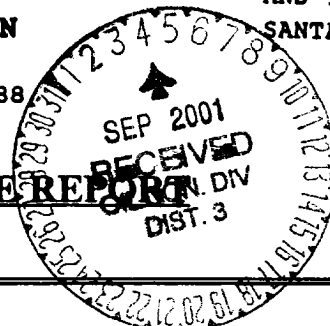
P.O. Drawer DD, Artesia, NM 88211

District III

1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICEPIT REMEDIATION AND CLOSURE REPORTOperator: Amoco Production Company Telephone: (505) - 326-9200Address: 200 Amoco Court, Farmington, New Mexico 87401Facility Or: WARREN #1
Well NameLocation: Unit or Qtr/Qtr Sec N Sec 25 T 28 N R 9 W County SAN JUANPit Type: Separator Dehydrator Other PROD. TANKLand Type: BLM X, State , Fee , Other Pit Location: Pit dimensions: length 50', width 30', depth 16'
(Attach diagram)Reference: wellhead X, other Footage from reference: 90Direction from reference: 0 Degrees 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) 10

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) 0RANKING SCORE (TOTAL POINTS): 10

Date Remediation Started: _____ Date Completed: 8-8-94

Remediation Method: Excavation X Approx. cubic yards 800
(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 BEDROCK BOTTOM

nmacd letter correspondence 12-12-96

Ground Water Encountered: No X 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 16'

Sample date 8-8-94 Sample time _____

Sample Results

Benzene (ppm) _____

Total BTEX (ppm) _____

Field headspace (ppm) 25

TPH 150 ppm

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 8/9/94

SIGNATURE

B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
Environmental Coordinator

RESULTS TO BOB McLOY 8-9-94 ALB

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80043</u> C.O.C. NO: _____
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FIELD REPORT: PIT CLOSURE VERIFICATION

LOCATION: NAME: <u>WARREN</u>	WELL #: <u>1</u>	PIT: <u>PROD.</u>	DATE STARTED: _____				
QUAD/UNIT: <u>N</u>	SEC: <u>25</u>	TWP: <u>28 N</u>	RNG: <u>9 W</u>	BM: <u>NM</u>	CNTY: <u>SJ</u>	ST: <u>NM</u>	DATE FINISHED: <u>8-8-94</u>
QTR/FOOTAGE: <u>SE/4 SW/4</u>	CONTRACTOR: <u>PAUL + SONS</u>	ENVIRONMENTAL SPECIALIST: <u>REG</u>					

SOIL REMEDIATION: EXCAVATION APPROX. 50 FT. x 30 FT. x 16 FT. DEEP.
DISPOSAL FACILITY: ON-SITE L.F. CUBIC YARDAGE: 800
LAND USE: RANGE LEASE: FED LEASE # 82-077112

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 90 FEET SOUTH FROM WELLHEAD.
DEPTH TO GROUNDWATER: >50' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'
NMCD RANKING SCORE: 10 NMCD TPH CLOSURE STD: 1000 PPM

SOIL AND EXCAVATION DESCRIPTION: BROWN TO GRAY/BROWN CLAYEY SAND TO ~ 10'
10' → BOTTOM IS A SILTY CLAY - VERY STIFF, TO HARD BOTTOM,
SLIGHT ROOF + STAIN IN NORTH-BOTTOM WALL.

215
BEDROCK
Bottom

FIELD 418.1 CALCULATIONS

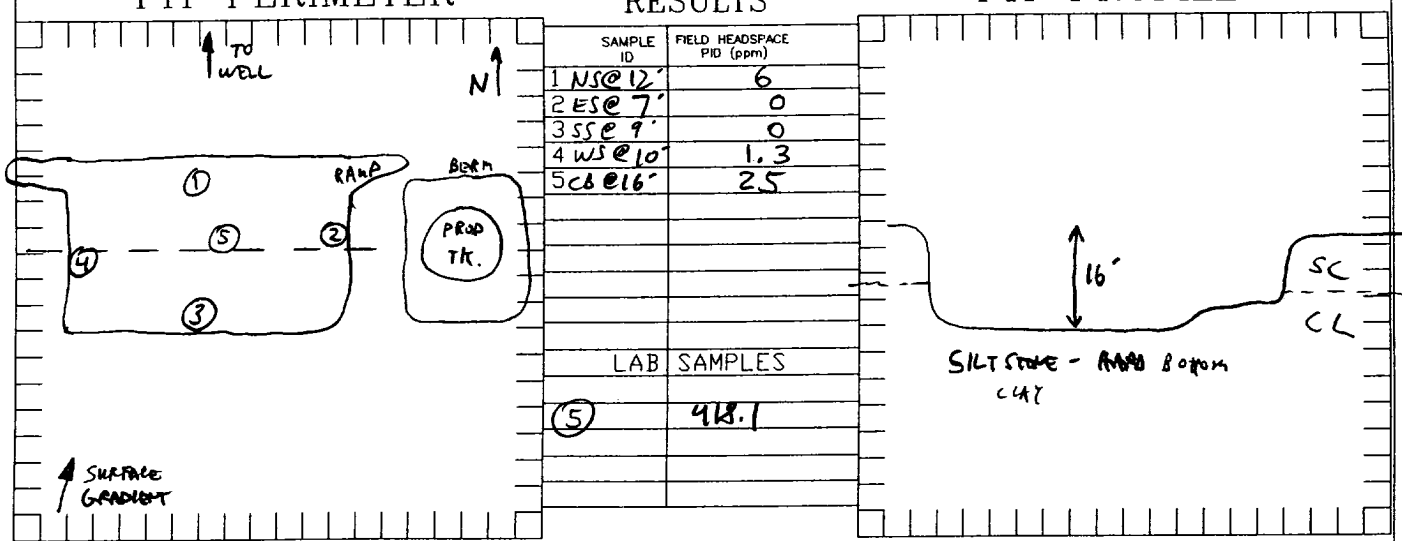
SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm

SCALE
0 10 20 FT

PIT PERIMETER

OVM RESULTS

PIT PROFILE



TRAVEL NOTES: CALLOUT: 8-8-94 ONSITE: 8-8-94 1130

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	Project #:	
Sample ID:	CB @ 16'	Date Analyzed:	8-09-94
Project Location:	Warren # 1	Date Reported:	8-09-94
Laboratory Number:	TPH-1062	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	150	20

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	5920	8160	27.45

*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: Production Tank Pit - B0043

Helen V. Kelly
Analyst

P. F. O'Neill
Review

CLIENT: <u>BP</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80043</u> C.D.C. NO: <u>8422</u>
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FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: <u>WARREN</u>	WELL #: <u>1</u>	PITS: <u>PROD. TANK</u>	DATE STARTED: <u>6/20/01</u>
QUAD/UNIT: <u>N</u> SEC: <u>25</u> TWP: <u>28N</u> RNG: <u>9W</u> PM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u>			DATE FINISHED: _____
QTR/FOOTAGE: _____		56/52 CONTRACTOR: <u>P & S</u>	ENVIRONMENTAL SPECIALIST: <u>NV</u>

SOIL REMEDIATION:

REMEDIATION SYSTEM: LANDFARM APPROX. CUBIC YARDAGE: 800
 LAND USE: RANGE - BLM LIFT DEPTH (ft): 0.5-1

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

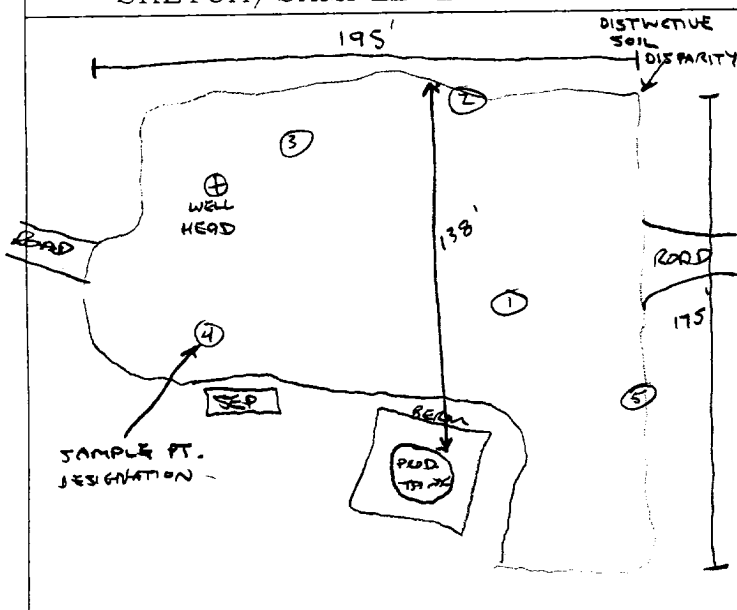
BASED ON SURROUNDING SOIL COLOR ADJACENT TO WELL PAD, EXCAVATED SOIL FROM PRODUCTION TANK HAS BEEN DISTRIBUTED OVER THE ENTIRE WELL PAD (VERY PALE ORANGE SILTY SAND ON WELL PAD COMPARED TO OK. YELL. ORANGE SAND IN SURROUNDINGS). NOW COHESIVE, DRY TO SLIGHTLY MOIST, FIRM TO DENSE, NO APPARENT/NOTICEABLE STAINING/DISCOLORATION OBSERVED. SAMPLE DEPTHS RANGED FROM 4" TO 8", 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: 52.7 ppm
 TIME: 0815 @ PM 6/20/01

OVM RESULTS

LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	0.8	LF-1	TPH (8013)	0945	4.4

SCALE

 0 FT

TRAVEL NOTES: CALLOUT: N/A ONSITE: 6/20/01

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

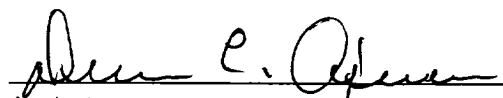
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	LF - 1	Date Reported:	06-25-01
Laboratory Number:	20114	Date Sampled:	06-20-01
Chain of Custody No:	8422	Date Received:	06-21-01
Sample Matrix:	Soil	Date Extracted:	06-24-01
Preservative:	Cool	Date Analyzed:	06-25-01
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

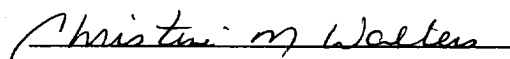
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	0.7	0.2
Diesel Range (C10 - C28)	3.7	0.1
Total Petroleum Hydrocarbons	4.4	0.1

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: **Warren #1 Landfarm. 5 Pt. Composite Sample.**


Analyst


Review

CHAIN OF CUSTODY RECORD

08422

Client / Project Name		Project Location		ANALYSIS / PARAMETERS									
BLAGE / BP		WARREN LANDFARM											
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	6/20/01	0845	20113	SOIL	1	✓							PRESERVED COOL
LF-1	6/20/01	0945	20114	SOIL	1	✓							WARREN A LS #1A
													WARREN #1
													5 PT. COMPOSITE
													SAMPLES
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time			
<i>Alphon V. J.</i>		6/21/01		1409		<i>Alphon V. J.</i>		6-21-01		1409			
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 ☒													