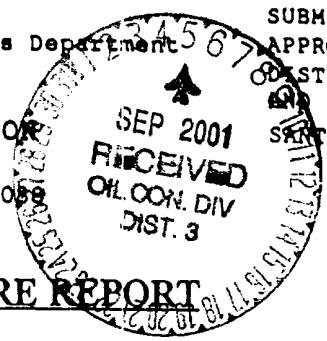


District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM 88211
District III
00 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

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DISTRICT OFFICE
1 COPY TO
SANTA FE OFFICE

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



ok
sent
sep

PIT REMEDIATION AND CLOSURE REPORT

Operator: Amoco Production Company Telephone: (505) - 326-9200

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility Or: RIOOLE # 1A
Well Name

Location: Unit or Qtr/Qtr sec E sec 21 T30N R9W county SAN JUAN

Pit Type: Separator Dehydrator Other ABANDONED PRODUCTION TANK

Land Type: BLM , State , Fee , Other

Pit Location: Pit dimensions: length NA, width NA, depth NA
(Attach diagram)

Reference: wellhead , other

Footage from reference: 110'

Direction from reference: 37 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)	<u>10</u>
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)	<u>0</u>
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)	<u>0</u>
RANKING SCORE (TOTAL POINTS):			<u>10</u>

B0807

ABAN. PROD. TANK

Date Remediation Started: _____ Date Completed: 11/7/00

Remediation Method: Excavation (Check all appropriate sections) Approx. cubic yards NA

Landfarmed _____ Insitu Bioremediation _____

Other CLOSE AS IS

Remediation Location: Onsite Offsite _____

(ie. landfarmed onsite, name and location of offsite facility)

General Description Of Remedial Action: _____

Excavation . BEDROCK BOTTOM.

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' (TRENCH BOTTOM)

Sample date 11/6/00 Sample time 1033

Sample Results

Benzene (ppm) _____

Total BTEX (ppm) _____

Field headspace (ppm) 0.0

TPH 4.2 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 11/7/00

SIGNATURE B. Shaw

PRINTED NAME AND TITLE

Buddy D. Shaw
ENVIRONMENTAL COORDINATOR

3004522121

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80807</u> C.D.C. NO: <u>8364</u>
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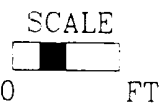
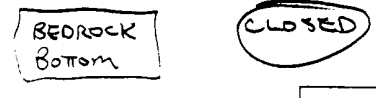
FIELD REPORT: CLOSURE VERIFICATION PAGE No: 1 of 1

LOCATION: NAME: <u>RIDDLE</u> WELL #: <u>1A</u> PIT: <u>PROD. TANK</u>	DATE STARTED: <u>11-3-00</u>
QUAD/UNIT: <u>E SEC: 21 TWP: 30N RNG: 9W PM: NMCNTY: SJST: NM</u>	DATE FINISHED: <u>11-6-00</u>
QTR/FOOTAGE: <u>1756'N/99'W SWNW</u> CONTRACTOR: <u>FLINT</u>	ENVIRONMENTAL SPECIALIST: <u>JCB</u>

~~EXCAVATION~~ PIT APPROX. 12 FT. x 12 FT. x 2 FT. DEEP. CUBIC YARDAGE: NA
DISPOSAL FACILITY: NONE REMEDIATION METHOD: NA
LAND USE: BLM RANGE LEASE: FED NMSF 030224 FORMATION: mu

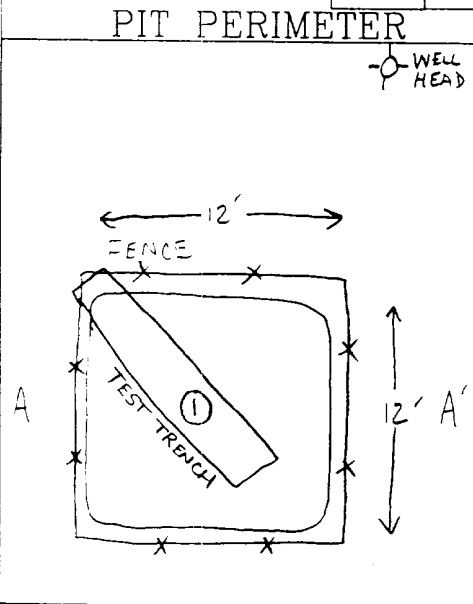
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 110 FT. S37°W FROM WELL HEAD
DEPTH TO GROUNDWATER: <100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'
NMOCB RANKING SCORE: 10 NMOCB TPH CLOSURE STD: 1000 PPM
SOIL AND EXCAVATION DESCRIPTION: DVM CALIB. READ: 131.4 ppm TIME: 1000 am pm
CHECK ONE:
 PIT ABANDONED
 STEEL TANK INSTALLED
 FIBERGLASS TANK INSTALLED

TEST TRENCH EXCAVATED IN PIT. NO HC ODOR OR STAIN IN PIT, OR TRENCH. SILTY/CLAYEY SAND, DARK YEL. ORANGE, MOIST, 11%_w MOIST. SANDSTONE BEDROCK @ BASE OF PIT.



FIELD 418.1 CALCULATIONS

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

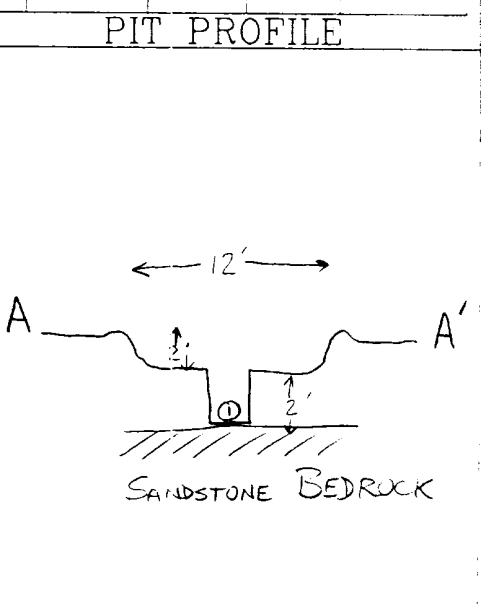


OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 024'	0.0
2 @	
3 @	
4 @	
5 @	

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
024'	TPH (8015)	1033
PASSED		



TRAVEL NOTES: CALLOUT: 0730 11/6/00 ONSITE: 0945 11/6/00

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

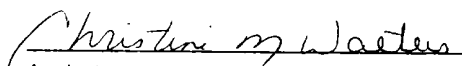
Client:	Blagg / BP AMOCO	Project #:	403410
Sample ID:	Tank C @ 4'	Date Reported:	11-07-00
Laboratory Number:	18497	Date Sampled:	11-06-00
Chain of Custody No:	8364	Date Received:	11-06-00
Sample Matrix:	Soil	Date Extracted:	11-07-00
Preservative:	Cool	Date Analyzed:	11-07-00
Condition:	Cool and Intact	Analysis Requested:	8015 TPH


Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	2.7	0.2
Diesel Range (C10 - C28)	1.5	0.1
Total Petroleum Hydrocarbons	4.2	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: Riddle 1A.


Analyst

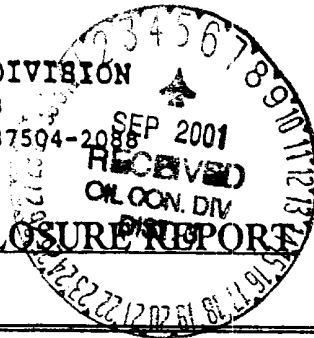

Review

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

State of New Mexico
 Energy, Minerals and Natural Resources Department

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 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: (505) - 326-9200
 Address: 200 Amoco Court, Farmington, New Mexico 87401
 Facility Or: RIDDLE # 1A
 Well Name _____
 Location: Unit or Qtr/Qtr sec E sec 21 T30N R 9W County SAN JUAN
 Pit Type: ^{ABANDONED} Separator Dehydrator Other _____
 Land Type: BLM , State , Fee , Other _____

Pit Location: Pit dimensions: length NA, width NA, depth NA
 (Attach diagram) Reference: wellhead , other _____
 Footage from reference: 90'
 Direction from reference: 15 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)	<u>10</u>
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)	<u>0</u>
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)	<u>0</u>
RANKING SCORE (TOTAL POINTS):			<u>10</u>

Date Remediation Started: _____ Date Completed: 11/7/00

Remediation Method: Excavation (Check all appropriate sections) Landfarmed _____ Insitu Bioremediation _____
Approx. cubic yards NA
Other CLOSE AS IS.

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

General Description Of Remedial Action: _____
Excavation. NO REMEDIATION NECESSARY. BEDROCK BOTTOM.

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 5' (TRENCH BOTTOM)
Sample date 11/6/00 Sample time 1015

Sample Results
Benzene (ppm) _____
Total BTEX (ppm) _____
Field headspace (ppm) 0.0
TPH 4.0 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 11/7/00
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>80807</u> COC NO: <u>8364</u>
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FIELD REPORT: CLOSURE VERIFICATION PAGE No: 1 of 1

LOCATION: NAME: <u>RIDDLE</u> WELL #: <u>1A</u> PIT: <u>SEP</u>	DATE STARTED: <u>11-3-00</u>
QUAD/UNIT: <u>E SEC: 21 TWP: 30N RNG: 9W PM: NMCNTY: SJ ST: NM</u>	DATE FINISHED: <u>11-6-00</u>
QTR/FOOTAGE <u>1756N/891W</u> SWNW CONTRACTOR: <u>FLINT</u>	ENVIRONMENTAL SPECIALIST: <u>JCB</u>

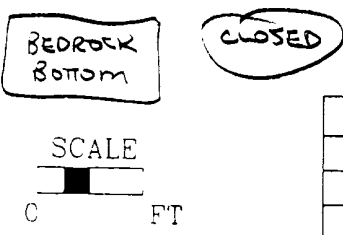
PIT EXCAVATION APPROX. 12 FT. x 12 FT. x 3 FT. DEEP. CUBIC YARDAGE NA
DISPOSAL FACILITY: NONE REMEDIATION METHOD: NA
LAND USE: BLM RANGE LEASE: FED. NMSF 090224 FORMATION: MU

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 90 FT. S15°E FROM WELL HEAD
DEPTH TO GROUNDWATER: <100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'

NMCD RANKING SCORE: <u>10</u> NMCD TPH CLOSURE STD: <u>1000</u> ppm	CHECK ONE <input checked="" type="checkbox"/> PIT ABANDONED <input type="checkbox"/> STEEL TANK INSTALLED <input type="checkbox"/> FIBERGLASS TANK INSTALLED
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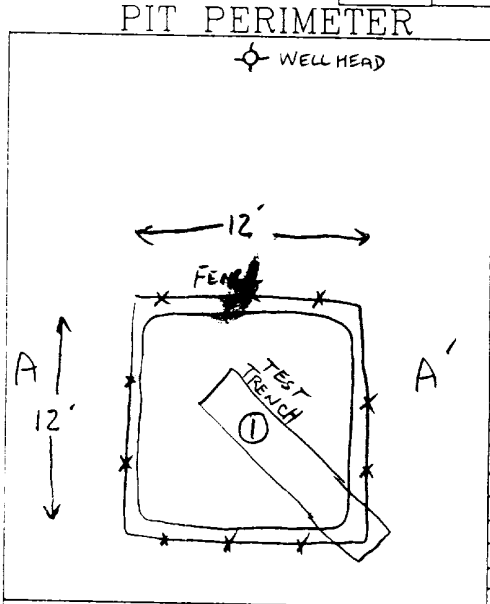
SOIL AND EXCAVATION DESCRIPTION: OVM CALIB. READ 131.4 ppm
TIME: 10:00 am pm

TEST TRENCH EXCAVATED IN PIT. NO HC ODOR OR STAIN IN PIT OR TRENCH. SOIL TYPE CLAYEY SAND, DARK ORANGE YELLOW, MOIST, COHESIVE, HEAVY PLASTIC. SANDSTONE BEDROCK @ BASE OF PIT.



FIELD 418.1 CALCULATIONS

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

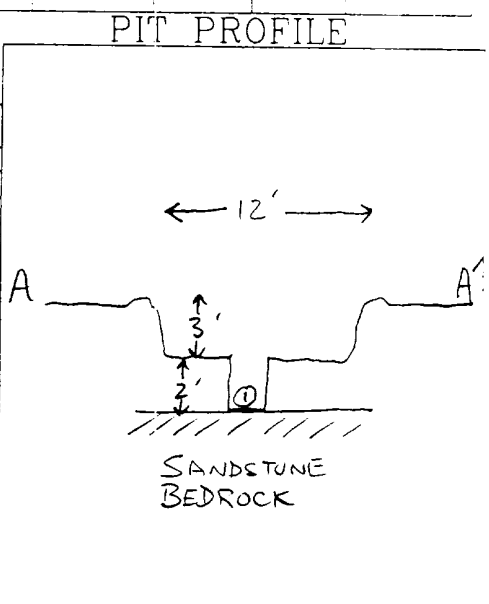


OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 0.5'	0.0
2 @	
3 @	
4 @	
5 @	

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
C@5'	TPH (9015)	1015
(PASSED)		



TRAVEL NOTES: CALLOUT: 0730 11/6/00 ONSITE: 0945 11/6/00

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

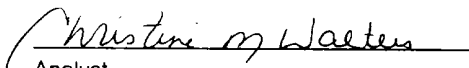
Client:	Blagg / BP AMOCO	Project #:	403410
Sample ID:	Separator C @ 5'	Date Reported:	11-07-00
Laboratory Number:	18496	Date Sampled:	11-06-00
Chain of Custody No:	8364	Date Received:	11-06-00
Sample Matrix:	Soil	Date Extracted:	11-07-00
Preservative:	Cool	Date Analyzed:	11-07-00
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	4.0	0.1
Total Petroleum Hydrocarbons	4.0	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: **Riddle 1A.**


Analyst


Review

