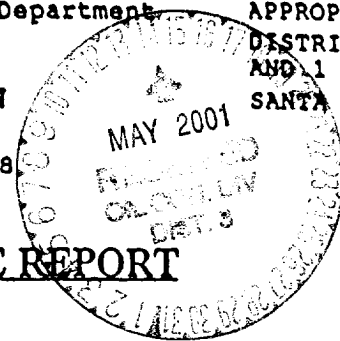


SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

OK-2 pits
Deht
sep



State of New Mexico
Energy, Minerals and Natural Resources Department

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

PIT REMEDIATION AND CLOSURE REPORT

District I
O. Box 1910, Hobbs, NM
District II
O. Drawer DD, Artesia, NM 88211
District III
O. Box Brazos Rd, Aztec, NM 87410

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

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility Or: ATLANTIC LS #4A
Well Name

Location: Unit or Qtr/Qtr Sec D Sec 25 T 34N R 10W County SAN JUAN

Pit Type: Separator ABANDONED Dehydrator ✓ Other

Land Type: BLM ✓, State, Fee, Other

Pit Location: Pit dimensions: length 41', width 33', depth 12'
(attach diagram)

Reference: wellhead X, other

Footage from reference: 51'

Direction from reference: 36 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) 0

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: _____ Date Completed: 7/5/00
Remediation Method: Excavation ☒ Approx. cubic yards 450
(check all appropriate sections) Landfarmed ☒ Insitu Bioremediation _____
Other _____

Remediation Location: Onsite _____ Offsite ☒ MYE GC B #1E (E-7-29-9)
(ie. landfarmed onsite, name and location of offsite facility) TRANSPORTED TO CROUCH MESA 3/01.

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 8' (SOUTH SIDEWALL)
Sample date 6/30/00 Sample time 0745

Sample Results

Benzene(ppm) _____
Total BTEX(ppm) _____
Field headspace(ppm) 52.3
TPH 5.8 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 7/5/00

SIGNATURE

B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
Environmental Coordinator

3004522506

CLIENT: AMOCOBLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199LOCATION NO: 80764C.D.C. NO: 6588

FIELD REPORT: CLOSURE VERIFICATION

PAGE No: 1 of 1LOCATION: NAME: ATLANTIC LS WELL #: 4A PIT: ABAND. DRY.DATE STARTED: 6/30/00QUAD/UNIT: D SEC: 25 TWP: 31N RNG: 10W PM: NM CNTY: ST ST: NM

DATE FINISHED: _____

QTR/FOOTAGE: 1070'2/925'W NNWN CONTRACTOR: P&SENVIRONMENTAL
SPECIALIST: NVEXCAVATION APPROX. 41 FT. x 33 FT. x 12 FT. DEEP. CUBIC YARDAGE: 450DISPOSAL FACILITY: NTE GC 8 #1E (E-7-29-9) REMEDIATION METHOD: COMPOSTEDLAND USE: RANGE LEASE: NM 013688 FORMATION: MUFIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 51 FT. S36E FROM WELL HEADDEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'NMOC RANKING SCORE: 0 NMOC TPH CLOSURE STD: 5000 PPM

CHECK ONE:

SOIL AND EXCAVATION

ELEV 6408'OVM CALIB. READ: 53.8 ppm☒ PIT ABANDONED

DESCRIPTION:

☐ STEEL TANK INSTALLEDTIME: 3:30 am (PM) 6/29/00☐ FIBERGLASS TANK INSTALLED

TOP 4' FROM GRADE CONSISTED ON PALE YELL. ORANGE SAND, NO APPARENT DISCOLORATION OBSERVED, BETWEEN 4-10' BELOW GRADE SIDEWALLS CONSISTED OF VARYING COLOR CLAY (CALICHE), SLIGHTLY MOIST TO MOIST, FIRM TO VERY STIFF, SLIGHT HC ODOR IN SOUTH SIDEWALL OVM SAMPLE ONLY.

BOTTOM - BEDROCK (SHALE), OLIVE TO MED. GRAY IN COLOR, HARD TO VERY HARD, NO APPARENT HC ODOR DETECTED IN OVM SAMPLE.

BEDROCK
Bottom

CLOSED

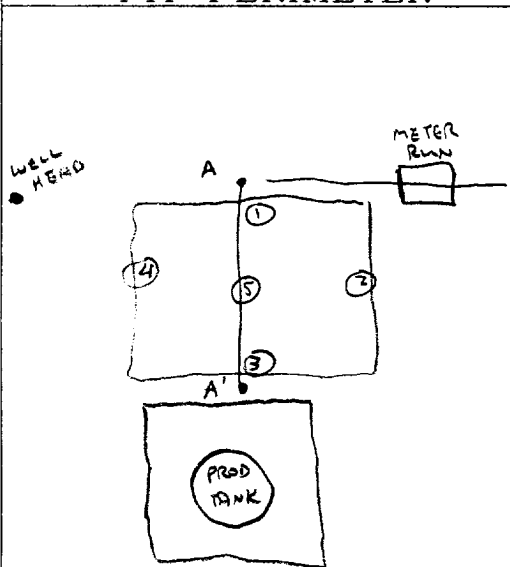
FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	ML. FREON	DILUTION	READING	CALC ppm
0745							

SCALE

0 FT

PIT PERIMETER

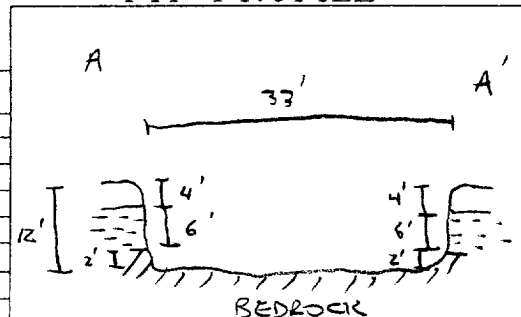
OVM
RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 8'	0.0
2 @ 8'	0.0
3 @ 8'	52.3
4 @ 8'	5.8
5 @ 12'	0.0

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
3 @ 8'	TPH (8015)	0745

PIT PROFILE



TRAVEL NOTES:

CALLOUT: 6/29/00 - noonONSITE: 6/30/00 - morn.

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

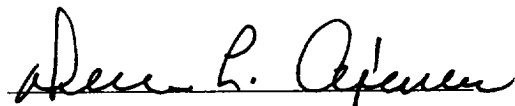
Client:	Blagg / BP Amoco	Project #:	403410
Sample ID:	3 @ 8'	Date Reported:	07-05-00
Laboratory Number:	H642	Date Sampled:	06-30-00
Chain of Custody No:	6589	Date Received:	06-30-00
Sample Matrix:	Soil	Date Extracted:	07-03-00
Preservative:	Cool	Date Analyzed:	07-05-00
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

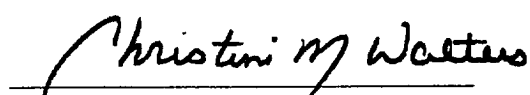
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	5.8	0.1
Total Petroleum Hydrocarbons	5.8	0.1

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: Atlantic LS #4A Abandoned Dehydrator Pit.


Analyst


Review

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

Lot/Lct II
2. Driver DD, Aleria, NM 88211

Act III
 1000 Brazos Rd. Aztec, NM 87410

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: ATLANTIC LS # 4A
Well Name

Location: Unit or Qtr/Qtr Sec D Sec 25 T 31N R 10W County SAN JUAN

Pit Type: ^{ABANDONED} Separator ☒ Dehydrator ☐ Other ☐

Land Type: BLM ☒, State ☐, Fee ☐, Other ☐

Site Location: Pit dimensions: length 24', width 17', depth 9'
(attach diagram)

Reference: wellhead X, other

Footage from reference: 102'

Direction from reference: 74 Degrees East North
 ✓ 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)

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)

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)

RANKING SCORE (TOTAL POINTS):

Date Remediation Started: _____ Date Completed: 7/5/00Remediation Method: Excavation ☒ Approx. cubic yards 100Check all appropriate sections) Landfarmed ☒ Insitu Bioremediation _____

Other _____

Remediation Location: Onsite _____ Offsite ☒ NYE GC B #1E (E-7-29-9)(ie. landfarmed onsite, name and location of offsite facility) TRANSPORTED TO CROUCH MESA 3/01.

General Description Of Remedial Action: _____

Excavation. ~~BEFORE~~ 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' (WEST SIDEWALK)Sample date 6/30/00 Sample time 0820

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) 63.9TPH 5.9 ppmGround 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 7/5/00SIGNATURE B. ShawPRINTED NAME
AND TITLEBuddy D. Shaw
Environmental Coordinator

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80764</u> C.D.C. NO: <u>6589</u>
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FIELD REPORT: CLOSURE VERIFICATION	PAGE No: <u>1</u> of <u>1</u>
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LOCATION: NAME: <u>ATLANTIC LS</u> WELL #: <u>49</u> PIT: <u>ABAND. SEP.</u>	DATE STARTED: <u>6/30/00</u>
QUAD/UNIT: <u>D</u> SEC: <u>25</u> TWP: <u>31N</u> RNG: <u>10W</u> PM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u>	DATE FINISHED: _____
QTR/FOOTAGE: <u>1070'N/925'W</u> NUNNO CONTRACTOR: <u>P & S</u>	ENVIRONMENTAL SPECIALIST: <u>NV</u>

EXCAVATION APPROX. <u>24</u> FT. x <u>17</u> FT. x <u>9</u> FT. DEEP. CUBIC YARDAGE: <u>100</u>
DISPOSAL FACILITY: <u>NYE & BATE (E-7-29-9)</u> REMEDIATION METHOD: <u>COMPOSTED</u>
LAND USE: <u>RANGE</u> LEASE: <u>NM 013688</u> FORMATION: <u>MU</u>

FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>102</u> FT. <u>S74W</u> FROM WELL HEAD
DEPTH TO GROUNDWATER: <u>>100'</u>	NEAREST WATER SOURCE: <u>>1000'</u> NEAREST SURFACE WATER: <u>>1000'</u>
NMCD RANKING SCORE: <u>0</u>	NMCD TPH CLOSURE STD: <u>500</u> PPM
SOIL AND EXCAVATION DESCRIPTION:	☒ CHECK ONE ☒ PIT ABANDONED ☐ STEEL TANK INSTALLED ☐ FIBERGLASS TANK INSTALLED
	DVM CALIB. READ. <u>53.8</u> ppm TIME: <u>3:30</u> am/pm <u>6/29/00</u>

TOP 3' FROM GRADE CONSISTED OF PALE YELL. ORANGE SAND NO APPARENT DISCOLORATION OBSERVED, BETWEEN 3-9' BELOW GRADE CONSISTED OF VARYING COLOR CLAY (CAUICHE), SLIGHTLY MOIST, FIRM TO VERY STIFF, SLIGHT HC ODOR DETECTED IN WEST SIDEWALL, OUM SAMPLE ONLY.

BOTTOM - BEDROCK (SHALE), OLIVE TO MED. GRAY IN COLOR, HARD TO VERY HARD, NO APPARENT HC ODOR DETECTED IN OUM SAMPLE.

BEDROCK
BOTTOM

CLOSED

SCALE

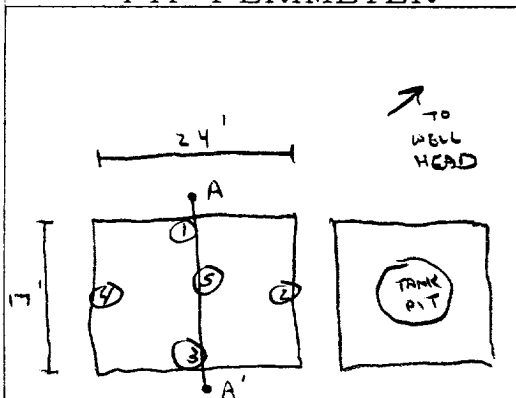


0 FT

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
0820							

PIT PERIMETER



OVM
RESULTS

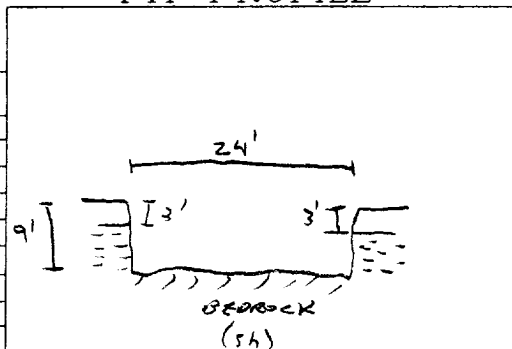
SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 5'	0.0
2 @ 5'	2.2
3 @ 5'	10.1
4 @ 5'	63.9
5 @ 9'	0.0

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
4 @ 5'	TPH (8015)	0820

PAIRED

PIT PROFILE



TRAVEL NOTES:	CALLOUT: <u>6/29/00 - MORN.</u>	ONSITE: <u>6/30/00 - MORN.</u>
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EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

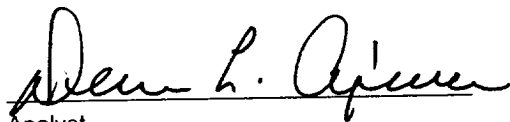
Client:	Blagg / BP Amoco	Project #:	403410
Sample ID:	4 @ 5'	Date Reported:	07-05-00
Laboratory Number:	H643	Date Sampled:	06-30-00
Chain of Custody No:	6589	Date Received:	06-30-00
Sample Matrix:	Soil	Date Extracted:	07-03-00
Preservative:	Cool	Date Analyzed:	07-05-00
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

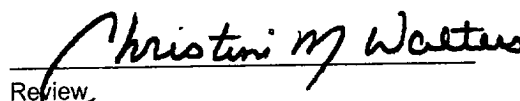
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	5.9	0.1
Total Petroleum Hydrocarbons	5.9	0.1

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: **Atlantic LS #4A Abandoned Separator Pit.**


Analyst


Review

CHAIN OF CUSTODY RECORD

656

Client / Project Name		Project Location		ANALYSIS / PARAMETERS											
BAGG / BP AND CO		ATLANTA LS #4A													
Sampler: NJV		Client No. 403410		No. of Containers		PH (8015)								Remarks	
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix											
(3) C 8'	6/30/00	0745	H 642	SOIL	1	✓									ABANDONED DEMONSTRATOR PIT
(4) C 5'	6/30/00	0820	H 643	SOIL	1	✓									ABANDONED DEMONSTRATOR PIT
															BOTH SAMPLES
															PRESERV. - COOL
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time					
John V. [Signature]		6/30/00		1050		[Signature]		6/30/00		1050					
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time					
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time					

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	✓		