

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

State of New Mexico
Energy, Minerals and Natural Resources Department

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

Prod
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: HUGHES C #4
Well Name
Location: Unit or Qtr/Qtr sec A sec 34 T 29N R 8W County SAN JUAN
Pit Type: Separator ABANDONED Dehydrator ☒ other
Land Type: BLM ☒ State Fee Other

Pit Location: Pit dimensions: length 28', width 16', depth 5'
(attach diagram) Reference: wellhead ☒, other
Footage from reference: 67'
Direction from reference: 3 Degrees East North
of
☒ West South ☒

Depth To Ground Water: Less than 50 feet (20 points)
(Vertical distance from 50 feet to 99 feet (10 points)
contaminants to seasonal Greater than 100 feet (0 Points) 0
high water elevation of
ground water)

Wellhead Protection Area: Yes (20 points)
(Less than 200 feet from a private No (0 points) 0
domestic water source, or; less than
1000 feet from all other water sources)

Distance To Surface Water: Less than 200 feet (20 points)
(horizontal distance to perennial 200 feet to 1000 feet (10 points) 0
rivers, ponds, rivers, streams, creeks,
irrigation canals and ditches) Greater than 1000 feet (0 points)

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: _____ Date Completed: 6/29/00
Remediation Method: Excavation ☒ Approx. cubic yards 60
(check all appropriate sections) Landfarmed ☒ Insitu Bioremediation _____
Other _____

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 3' (NORTH SIDEWALK)
Sample date 6/28/00 Sample time 0740

Sample Results

Benzene(ppm) 0.290
Total BTEX(ppm) 4.390
Field headspace(ppm) 210
TPH 434 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 6/29/00

SIGNATURE

B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
Environmental Coordinator

3004507715

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80767</u> C.D.C. NO: <u>7022</u>
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FIELD REPORT: CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: <u>HUGHES</u> C WELL #: <u>4</u> PIT: <u>ABAND - DEHY</u>	DATE STARTED: <u>6/28/00</u>
QUAD/UNIT: <u>A</u> SEC: <u>34</u> TWP: <u>29N</u> RNG: <u>8W</u> PM: <u>NM</u> CNTY: <u>ST</u> ST: <u>NM</u>	DATE FINISHED: _____
QTR/FOOTAGE: <u>990N/890E</u> HIRE CONTRACTOR: <u>P & S</u>	ENVIRONMENTAL SPECIALIST: <u>NV</u>

EXCAVATION APPROX. <u>28</u> FT. x <u>16</u> FT. x <u>5</u> FT. DEEP. CUBIC YARDAGE: <u>60</u>
DISPOSAL FACILITY: <u>ON-SITE</u> REMEDIATION METHOD: <u>LANDFARM</u>
LAND USE: <u>RANGE</u> LEASE: <u>5F-078049</u> FORMATION: <u>MV</u>

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>67</u> FT. <u>S3W</u> FROM WELL HEAD.
DEPTH TO GROUNDWATER: <u>>100'</u> NEAREST WATER SOURCE: <u>>1000'</u> NEAREST SURFACE WATER: <u>>1000'</u>
NMOC RANKING SCORE: <u>0</u> NMOC TPH CLOSURE STD: <u>5000</u> PPM
SOIL AND EXCAVATION DESCRIPTION:
CHECK ONE ☒ PIT ABANDONED ☐ STEEL TANK INSTALLED ☐ FIBERGLASS TANK INSTALLED
OVM CALIB. READ: <u>53.8</u> ppm
TIME: <u>0725</u> am/pm <u>6/28/00</u>

SIDEWALLS - PALE YELL. ORANGE TO DK. OLIVE GRAY (NORTH SIDEWALL ONLY) SILTY SAND
 WAS TO SLIGHTLY COHESIVE, SLIGHTLY MOIST TO MOIST, FIRM, STRONG HC
 ODOR DETECTED IN NORTH SIDEWALL OVM SAMPLE, ONLY!

BOTTOM - OLIVE GRAY BEDROCK (SANDSTONE), HARD, HC ODOR DETECTED.

BEDROCK
BOTTOM

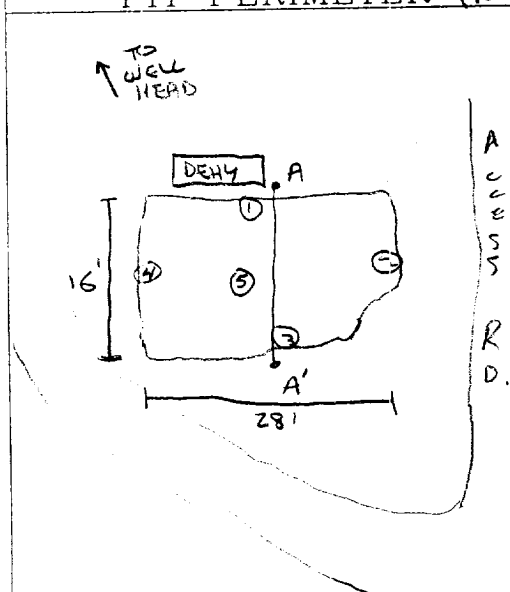
CLOSED

SS
SCALE
0 FT

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
0740							

PIT PERIMETER

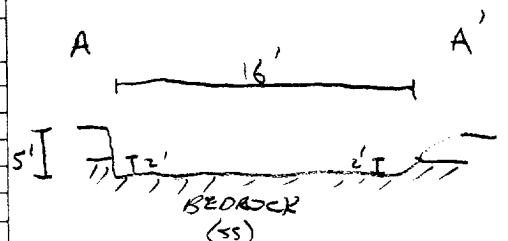
OVM
RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 3'	21.0
2 @ 3'	13.0
3 @ 3'	21.8
4 @ 3'	0.0
5 @ 5'	123.6

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
1 @ 3'	TPH (8015)	0740
"	BAV (8021)	"

PIT PROFILE



TRAVEL NOTES:

CALLOUT: 6/27/00 - MORN.ONSITE: 6/28/00 - MORN.

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

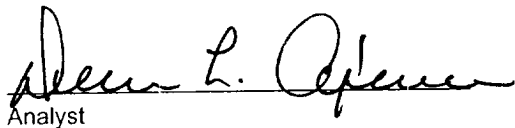
Client:	Blagg / Amoco	Project #:	403410
Sample ID:	1 @ 3'	Date Reported:	06-29-00
Laboratory Number:	H584	Date Sampled:	06-28-00
Chain of Custody No:	7022	Date Received:	06-28-00
Sample Matrix:	Soil	Date Extracted:	06-28-00
Preservative:	Cool	Date Analyzed:	06-29-00
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

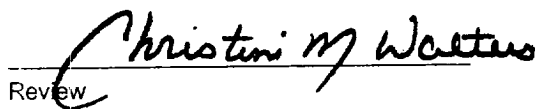
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	298	0.2
Diesel Range (C10 - C28)	136	0.1
Total Petroleum Hydrocarbons	434	0.1

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: **Hughes C #4 Abandoned Dehydrator Pit.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / Amoco	Project #:	403410
Sample ID:	1 @ 3'	Date Reported:	06-29-00
Laboratory Number:	H584	Date Sampled:	06-28-00
Chain of Custody:	7022	Date Received:	06-28-00
Sample Matrix:	Soil	Date Analyzed:	06-29-00
Preservative:	Cool	Date Extracted:	06-28-00
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	290	1.8
Toluene	1,400	1.7
Ethylbenzene	417	1.5
p,m-Xylene	1,560	2.2
o-Xylene	721	1.0
Total BTEX	4,390	

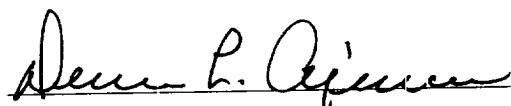
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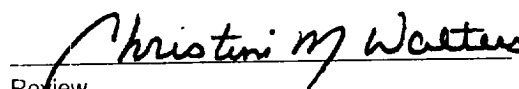
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	100 %
	Bromofluorobenzene	100 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Hughes C #4 Abandoned Dehydrator Pit.


Analyst


Review

CHAIN OF CUSTODY RECORD

7022

[illegible]

District I

P.O. Box 1980, Hobbs, NM

District II

P.O. Drawer DD, Artesia, NM 88211

District III

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 87504-2088

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DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORTOperator: Amoco Production Company Telephone: (505) - 326-9200Address: 200 Amoco Court, Farmington, New Mexico 87401Facility Or: HUGHES C #4
Well NameLocation: Unit or Qtr/Qtr Sec A Sec 34 T 29N R 8W County SAN JUANPit Type: Separator Dehydrator Other ABANDONED PRODUCTION TANKLand Type: BLM ✓, State , Fee , Other Pit Location: Pit dimensions: length 18', width 18', depth 3'
'Attach diagram)Reference: wellhead X, other Footage from reference: 66'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) 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
akes, 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): 0

Date Remediation Started: _____ Date Completed: 8/15/00

Remediation Method: Excavation ☒ Approx. cubic yards 36
 (Check all appropriate sections) Landfarmed _____ Insitu Bioremediation _____
 Other COMPOSTED

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. MV

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 3' (NORTH SIDEWALLS)Sample date 8/14/00 Sample time 1420

Sample Results

Benzene (ppm) _____

Total BTEX (ppm) _____

Field headspace (ppm) 16.3TPH 1.0 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 8/15/00

SIGNATURE

B. ShawPRINTED NAME
AND TITLEBuddy D. Shaw
Environmental Coordinator

CLIENT: AMOCOBLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199LOCATION NO: 80767C.D.C. NO: 8125

FIELD REPORT: CLOSURE VERIFICATION

PAGE No: 1 of 1LOCATION: NAME: HUGHES C WELL #: 4 PIT: PROD. TANKDATE STARTED: 8/14/00QUAD/UNIT: A SEC. 34 TWP: 29N RNG: 8W PM: NM CNTY: SJ ST: NMDATE FINISHED: 8/14/00QTR/FOOTAGE: NW/4 NE/4 CONTRACTOR: PAUL & SONENVIRONMENTAL
SPECIALIST: JCBEXCAVATION APPROX. 18 FT. x 18 FT. x 3 FT. DEEP. CUBIC YARDAGE 36DISPOSAL FACILITY: NYE GC BIE (E-7-29-9) REMEDIATION METHOD: LANDFARM/COMPOSTLAND USE: BLM RANGE LEASE: NMSF 078049 FORMATION: MVFIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 66 FT. N55°W FROM WELL HEADDEPTH TO GROUNDWATER: >100 NEAREST WATER SOURCE: >1000 NEAREST SURFACE WATER: >1000NMOC RANKING SCORE: 0 NMOC TPH CLOSURE STD: 5000 PPM

CHECK ONE:

SOIL AND EXCAVATION

OVM CALIB. READ: 130.0 PPM☒ PIT ABANDONED

DESCRIPTION:

TIME: 1400 am/pm☐ STEEL TANK INSTALLED☐ FIBERGLASS TANK INSTALLED

SURFACE TO 3' BGS: CLAYEY SAND, YELLOW TAN, MOIST, COHESIVE, NO HC ODOR OR STAIN.

@ 3' BGS: SANDSTONE BEDROCK, NON FRIABLE, MINOR HC ODOR ON SURFACE.

CLOSED

FIELD 418.1 CALCULATIONS

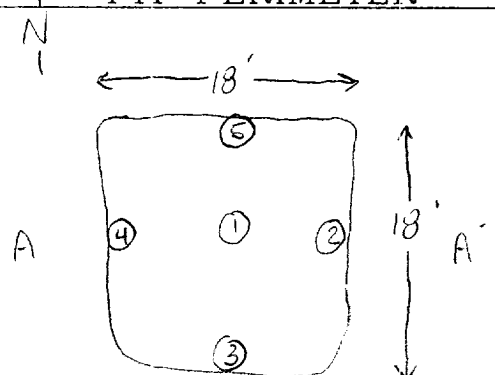
TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm

SCALE



0 FT

PIT PERIMETER

OVM
RESULTS

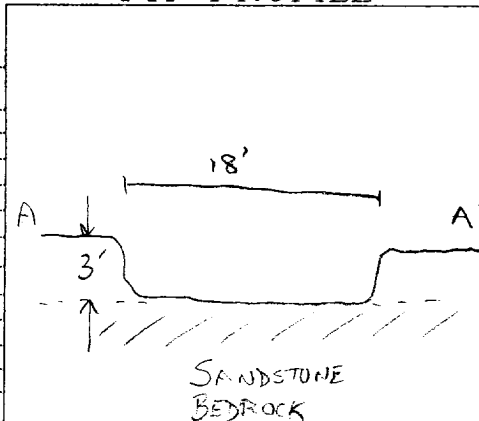
SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 3'	16.3
2 @ 3'	0.4
3 @ 3'	8.6
4 @ 3'	4.7
5 @ 3'	1.1

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
1 @ 3'	TPH 8015	1420

PASSED

PIT PROFILE



TRAVEL NOTES:

CALLOUT: _____

ONSITE _____

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

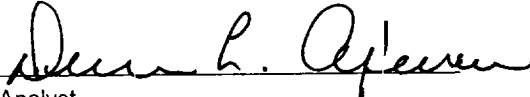
Client:	Blagg / BP Amoco	Project #:	403410
Sample ID:	Tank Drain C @ 3'	Date Reported:	08-15-00
Laboratory Number:	H911	Date Sampled:	08-14-00
Chain of Custody No:	8125	Date Received:	08-15-00
Sample Matrix:	Soil	Date Extracted:	08-15-00
Preservative:	Cool	Date Analyzed:	08-15-00
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

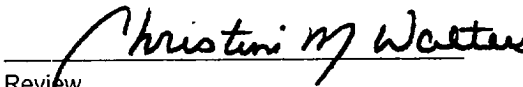
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	1.0	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	1.0	0.1

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: **Hughes "C" #4.**


Analyst


Review

0812

ENVIROTECH INC.

5796 U.S. Highway 64
Farmington, New Mexico 87401
(505) 632-0615