

District I

P.O. Box 1980, Hobbs, NM

District II

P.O. Drawer 90, Lordsburg, NM 87011

District III

DEPUTY OIL & GAS INSPECTOR

1000 Rio Grande Rd., Alamogordo, NM 88001

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

80185  
SUBMIT 1 COPY TO  
APPROPRIATE  
DISTRICT OFFICE  
AND 1 COPY TO  
SANTA FE OFFICE

DEC 03 1996

**PTT REMEDIATION AND CLOSURE REPORT**

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

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility Or: C.A. McADAMS C1  
Well Name

Location: Unit or Qtr/Qtr Sec P Sec 5 T 27N R 10W County SAN JUAN

Pit Type: Separator    Dehydrator    other BLOW

Land Type: BLM X, State   , Fee   , Other   

Pit Location: Pit dimensions: length 28', width 22', depth 9'  
(Attach diagram)

Reference: wellhead X, other   

Footage from reference: 360'

Direction from reference: 50 Degrees    East North X  
of  
X 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) 0  
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) 0

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DIST. 3

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) 0  
Greater than 1000 feet (0 points)   

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: \_\_\_\_\_ Date Completed: 12/12/94

Remediation Method: Excavation ☒ Approx. cubic yards 90  
 (Check all appropriate sections) Landfarmed \_\_\_\_\_ Insitu Bioremediation \_\_\_\_\_

Other COMPOSTED

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 5'

Sample date 12/12/94 Sample time 410

Sample Results

Benzene(ppm) \_\_\_\_\_

Total BTEX(ppm) \_\_\_\_\_

Field headspace(ppm) 17.8

TPH 60 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 12/12/94

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>60185</u> C.D.C. NO: _____
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FIELD REPORT: CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>
LOCATION: NAME: <u>C.D. DEERHORN</u> WELL #: <u>1</u> PIT: <u>BLOW</u>	DATE STARTED: <u>12/12/94</u> DATE FINISHED: _____	
QUAD/UNIT: <u>P SEC 5 TWP 27N RNG 10W PM-MN CNTY: ST. COOK</u>	ENVIRONMENTAL SPECIALIST: <u>NV</u>	
QTR/FOOTAGE: <u>SE 1/4 SE 1/4</u> CONTRACTOR: <u>EPC</u>		

EXCAVATION APPROX. 23 FT. x 22 FT. x 9 FT. DEEP. CUBIC YARDAGE: 90  
DISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: COMPOSTED  
LAND USE: RANGE LEASE: SF-077491 FORMATION: PK

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 360 FT. NSW FROM WELLHEAD.  
DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'  
NMCD RANKING SCORE: 0 NMCD TPH CLOSURE STD: 5000 PPM

SOIL AND EXCAVATION DESCRIPTION:

OK YELL. DRUDGE TO MOD. YELL. BROWN (S. DEERHORN) MED. LT. GRAY (BOTTOM) SAND,  
NON-COHESIVE, SLIGHTLY MOIST, FIRM TO DENSE, STRONG HC IN BOTTOM 500  
F. H. L.

BOTTOM - SANDSTONE, HARD.

CHECK ONE:  
☒ PIT ABANDONED  
☐ STEEL TANK INSTALLED

SCALE

0 FT

FIELD 418.1 CALCULATIONS

TIME	SAMPLE ID	LAB No.	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1410	2 @ 5'	TPH-1319	5	20	1:1	15	60

PIT PERIMETER

28'

1 2 3 4 5

A' TO WELL HEAD

OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 2'	0.0
2 @ 5'	17.8
3 @ 6'	0.0
4 @ 7'	0.0
5 @ 9'	371

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME

PIT PROFILE

28'

9'

6'

BEDROCK

TRAVEL NOTES: CALLOUT: 12/9/94 ONSITE: 12/12/94

**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  
Sample ID: 2 @ 5'  
Project Location: C.A. McAdams C 1  
Laboratory Number: TPH-1319

Project #:  
Date Analyzed: 12-12-94  
Date Reported: 12-12-94  
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	60	20

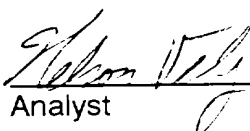
ND = Not Detectable at stated detection limits.

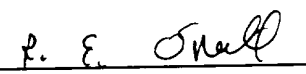
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% * Diff.
	2640	2640	0.00

\* 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: Blow Pit - B0185

  
Analyst

  
Review

80185

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 87504-2088

SUBMIT 1 COPY TO  
APPROPRIATE  
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: C A. McADAMS C1  
Well NameLocation: Unit or Qtr/Qtr Sec P Sec 5 T 27N R 10W County SAN JUANPit Type: Separator ☒ Dehydrator ☐ Other ☐Land Type: BLM ☒, State ☐, Fee ☐, Other ☐Pit Location: Pit dimensions: length 19', width 16', depth 13'  
(Attach diagram)Reference: wellhead ☒, other ☐Footage from reference: 120'Direction from reference: 26 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) 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: 12/12/94  
135

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

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 8'

Sample date 12/12/94 Sample time 1335

#### Sample Results

Benzene (ppm) \_\_\_\_\_

Total BTEX (ppm) \_\_\_\_\_

Field headspace (ppm) 411

TPH 11,680

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 12/12/94

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>4185</u> C.D.C. NO: _____
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FIELD REPORT: CLOSURE VERIFICATION	PAGE No: <u>1</u> of <u>1</u>
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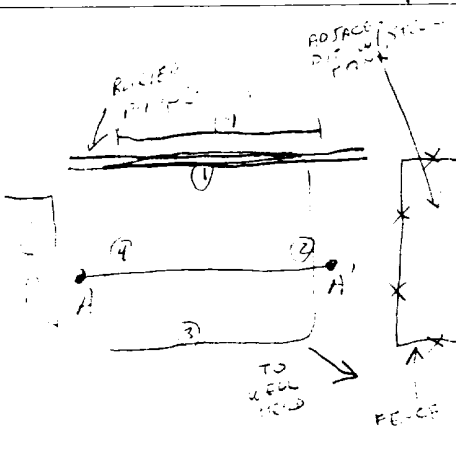
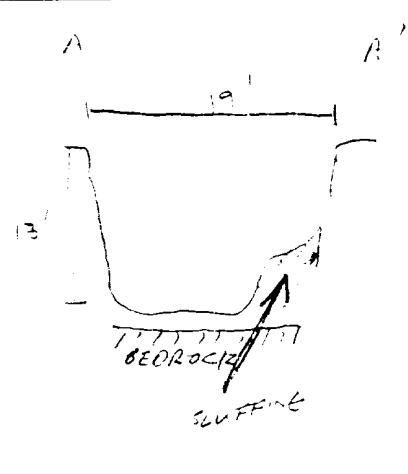
LOCATION: NAME: <u>C. A. McADAMS</u> WELL #: <u>C1</u> PIT: <u>SEP</u>	DATE STARTED: <u>12/12/94</u> DATE FINISHED: _____
QUAD/UNIT: <u>P</u> SEC: <u>5</u> TWP: <u>27S</u> RNG: <u>13E</u> PM: <u>NM</u> CNTY: <u>ST</u> ST: <u>NM</u>	ENVIRONMENTAL SPECIALIST: <u>LV</u>
QTR/FOOTAGE: <u>SE/4</u> <u>SE/4</u> CONTRACTOR: <u>EPC</u>	

EXCAVATION APPROX. <u>19</u> FT. x <u>16</u> FT. x <u>13</u> FT. DEEP. CUBIC YARDAGE: <u>135</u>
DISPOSAL FACILITY: <u>ON-SITE</u> REMEDIATION METHOD: <u>COMPOSTED</u>
LAND USE: <u>RANGE</u> LEASE: <u>5F-077491</u> FORMATION: <u>DK</u>

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>120</u> FT. <u>N20W</u> FROM WELLHEAD.
DEPTH TO GROUNDWATER: <u>2100'</u> NEAREST WATER SOURCE: <u>21000'</u> NEAREST SURFACE WATER: <u>21000'</u>
NMOSD PARKING SCORE: <u>0</u> NMOSD TPH CLOSURE STD: <u>5000</u> PPM

SOIL AND EXCAVATION DESCRIPTION:	<input type="checkbox"/> CHECK ONE <input checked="" type="checkbox"/> PIT ABANDONED <input type="checkbox"/> STEEL TANK INSTALLED
MOD. YELL. BROWN (NORTH & EAST SIDEWALLS), OLIVE GRAY (SOUTH & WEST SIDEWALLS) LT. GRAY (BOTTOM) SAND, 1.0M - COHESIVE, SLIGHTLY MOIST, FIRM, TEXTURE MC 20-25 IN SOUTH, WEST SIDEWALLS, & BOTTOM. MOUNTAIN SANDSTONE, HARD	

CONDITIONAL CLOSURE  SCALE  0 FT	FIELD 418.1 CALCULATIONS							
	TIME	SAMPLE ID	LAB No.	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1335	3E8	411-1318	5	20	10.1	292	11,680	

PIT PERIMETER 	OVM RESULTS <table border="1"> <thead> <tr> <th>SAMPLE ID</th> <th>FIELD HEADSPACE P.D. (ppm)</th> </tr> </thead> <tbody> <tr><td>1E9'</td><td>0.0</td></tr> <tr><td>2E8'</td><td>0.0</td></tr> <tr><td>3E8'</td><td>411</td></tr> <tr><td>4E9'</td><td>168</td></tr> <tr><td>5E14'</td><td>468</td></tr> </tbody> </table>	SAMPLE ID	FIELD HEADSPACE P.D. (ppm)	1E9'	0.0	2E8'	0.0	3E8'	411	4E9'	168	5E14'	468	PIT PROFILE 	
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1E9'	0.0														
2E8'	0.0														
3E8'	411														
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LAB SAMPLES <table border="1"> <thead> <tr> <th>SAMPLE ID</th> <th>ANALYSIS</th> <th>TIME</th> </tr> </thead> <tbody> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> </tbody> </table>	SAMPLE ID	ANALYSIS	TIME												
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TRAVEL NOTES: CALLOUT: <u>12/9/94</u> ONSITE: <u>12/12/94</u>
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# 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:	3 @ 8'	Date Analyzed:	12-12-94
Project Location:	C.A. McAdams C 1	Date Reported:	12-12-94
Laboratory Number:	TPH-1318	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
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Total Recoverable Petroleum Hydrocarbons	11,700	200

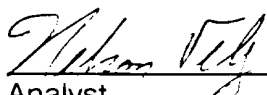
ND = Not Detectable at stated detection limits.


QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% * Diff.
	-----	-----	-----
	2640	2640	0.00

\*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: Separator Pit - B0185

  
\_\_\_\_\_  
Analyst

  
\_\_\_\_\_  
Review