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DISTRICT OFFICE  
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SANTA FE OFFICE

District I  
O. Box 100 Hobbs, NM  
District II  
O. Box 100 Hobbs, NM  
District III  
100 Rio Brazos Rd, Albuquerque, NM 87104

State of New Mexico  
Energy, Minerals and Natural Resources Department  
DEPUTY OIL & GAS INSPECTOR  
OIL CONSERVATION DIVISION  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

DEC 13 1996

Operator: Amoco Production Company Telephone: (505) - 326-9200  
Address: 200 Amoco Court, Farmington, New Mexico 87401  
Facility Or: P.O. PIPKIN #2  
Well Name \_\_\_\_\_  
Location: Unit or Qtr/Qtr Sec L Sec 8 T27N 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 3', depth 9'  
(Attach diagram) Reference: wellhead X, other \_\_\_\_\_  
Footage from reference: 300'  
Direction from reference: 40 Degrees X East North \_\_\_\_\_  
West of 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) 0

RANKING SCORE (TOTAL POINTS): 10

Date Remediation Started: \_\_\_\_\_ Date Completed: 9/21/94

Remediation Method: Excavation ☒ Approx. cubic yards 160  
(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

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 6'  
Sample date 9/21/94 Sample time 1218

Sample Results

Benzene(ppm) \_\_\_\_\_  
Total BTEX(ppm) \_\_\_\_\_  
Field headspace(ppm) 27.8  
TPH 1304 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 9/21/94

SIGNATURE B. Shaw

PRINTED NAME  
AND TITLE

Buddy D. Shaw  
ENVIRONMENTAL COORDINATOR

TRAVEL NOTES: CALLOUT: 9/20/94 ONSITE: 9/21/94

**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: 3 @ 6'  
Project Location: P. O. Pipkin # 2  
Laboratory Number: TPH-1153

Project #:  
Date Analyzed: 9-21-94  
Date Reported: 9-21-94  
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	1,300	20

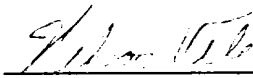
ND = Not Detectable at stated detection limits.

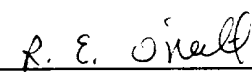
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	372	416	11.17

\*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 - B0100

  
\_\_\_\_\_  
Analyst

  
\_\_\_\_\_  
Review

District I  
O. Box 1980, Hobbs, NM  
District II  
O. Drawer DD, Artesia, NM 88211  
District III  
100 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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**PTT REMEDIATION AND CLOSURE REPORT**

Operator: Amoco Production Company Telephone: (505) - 326-9200  
Address: 200 Amoco Court, Farmington, New Mexico 87401  
Facility Or: P.O. PIPKIN #2  
Well Name  
Location: Unit or Qtr/Qtr Sec L Sec 8 T 27 N R 10 W County SAN JUAN  
Pit Type: Separator    Dehydrator    Other ABANDONED  
Land Type: BLM X, State   , Fee   , Other   

Pit Location: Pit dimensions: length 9', width 9', depth 7'  
(Attach diagram) Reference: wellhead X, other     
Footage from reference: 187'  
Direction from reference: 65 Degrees X 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) 0

RANKING SCORE (TOTAL POINTS): 10

Date Remediation Started: \_\_\_\_\_ Date Completed: 9/21/94

Remediation Method: Excavation ☒ Approx. cubic yards 2  
(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: CLOSE AS IS  
Excavation

Ground Water Encountered: No ☒ Yes \_\_\_\_\_ Depth \_\_\_\_\_

Final Pit:

Closure Sampling:

(if multiple samples, attach sample results and diagram of sample locations and depths)

Sample location see Attached Documents

Sample depth 4'

Sample date 9/21/94 Sample time 1320

Sample Results

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

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

Field headspace(ppm) 37.8

TPH 860 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 9/21/94

SIGNATURE

B. D. Shaw

PRINTED NAME  
AND TITLE

Buddy D. Shaw  
ENVIRONMENTAL COORDINATOR

TRAVEL NOTES.      CALLOUT: 9/20/94      ONSITE: 9/21/94

**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: 4 @ 4'  
Project Location: P. O. Pipkin # 2  
Laboratory Number: TPH-1154

Project #:  
Date Analyzed: 9-21-94  
Date Reported: 9-21-94  
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
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Total Recoverable Petroleum Hydrocarbons	<b>860</b>	<b>20</b>

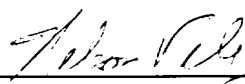
ND = Not Detectable at stated detection limits.


QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	-----	-----	-----
	372	416	11.17

\*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: Abandoned Pit - B0100

  
\_\_\_\_\_  
Analyst

  
\_\_\_\_\_  
Review



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## PIT REMEDIATION AND CLOSURE REPORT

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

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility Or: P.O. PIPKIN #2  
Well Name

Location: Unit or Qtr/Qtr Sec L Sec 8 T 27N R 10W County SAN JUAN

Pit Type: Separator ☒ Dehydrator ☐ Other ☐

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

Pit Location: Pit dimensions: length 28', width 28', depth 13'  
(Attach diagram) Reference: wellhead ☒, other ☐

Footage from reference: 140'

Direction from reference: 85 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) 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) 0  
Greater than 1000 feet (0 points) 0

RANKING SCORE (TOTAL POINTS): 10

Date Remediation Started: \_\_\_\_\_ Date Completed: 9/21/94

Remediation Method: Excavation ☒ Approx. cubic yards 260  
(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

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 13'  
Sample date 9/21/94 Sample time 1350

Sample Results

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

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

Field headspace(ppm) 160.1

TPH 52 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 9/21/94

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>80100</u> C.O.C. NO: _____
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## FIELD REPORT: CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: P.O. PIPKIN WELL #: 2 PIT: SEP  
QUAD/UNIT: L SEC: 8 TWP: 27N RNG: 10W PM: Nm CNTY: SJ ST: Nm  
QTR/FOOTAGE: NW/4 SW/4 CONTRACTOR: EPC

DATE STARTED: 9/21/94  
DATE FINISHED: \_\_\_\_\_

ENVIRONMENTAL SPECIALIST. NV

SOIL REMEDIATION: EXCAVATION APPROX. 28' FT. x 28' FT. x 13' FT. DEEP.  
DISPOSAL FACILITY: COMPOSTED ON-SITE CUBIC YARDAGE: 760  
LAND USE: RANGE LEASE: SF - 077875

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 140 FEET N85E FROM WELLHEAD.  
DEPTH TO GROUNDWATER: <100 NEAREST WATER SOURCE: >1000 NEAREST SURFACE WATER: <1000  
NMOCD RANKING SCORE: 10 NMOCD TPH CLOSURE STD: 1000 PPM FORMATION: DIC

## SOIL AND EXCAVATION DESCRIPTION:

CLOSED  
DUE TO  
SNOW

DESCRIPTION:  
DR. YELL. BROWN SILTY CLAY SLIGHTLY PLASTIC, SLIGHTLY  
MOIST, STIFF, NO APPARENT HC LOOK IN 'SADEWILL  
OUM SAMPLES.  
BOTTOM: DR. GRAY TO BLACK SHALE, SOFT, SLIGHTLY HC  
LOOK IN OUM SAMPLE.

FIELD 418.1 CALCULATIONS

FIELD 481 CALCULATIONS						
SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
50131	TPH-1155	5	20	1:1	13	52

SCALE

0 FT

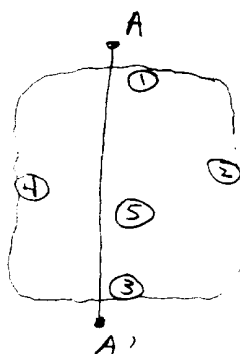
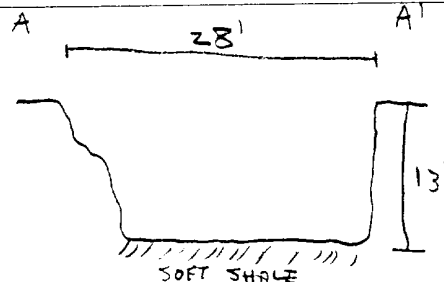
PIT PERIMETER

## OVM RESULTS

PIT PROFILE

↑ TO WELL HEAD

540

[illegible]

TRAVEL NOTES.

CALLOUT: 9/20/94      ONSITE: 9/21/94

**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	Project #:	
Sample ID:	5 @ 13'	Date Analyzed:	9-21-94
Project Location:	P. O. Pipkin # 2	Date Reported:	9-21-94
Laboratory Number:	TPH-1155	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	52	20

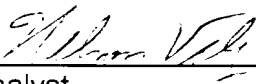
ND = Not Detectable at stated detection limits.

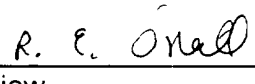
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	372	416	11.17

\*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 - B0100

  
Analyst

  
Review