

80097

District I

O. Box 1980, Hobbs, NM

District II

O. Drawer 100, Aztec, NM

District III

100 Rio Brazos Rd, Aztec, 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

DEPUTY OIL &amp; GAS INSPECTOR

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DEC 13 1996

**PIT REMEDIATION AND CLOSURE REPORT**

*Approved*

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

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility Or: THOMPSON LS 2A

Well Name

Location: Unit or Qtr/Qtr Sec D Sec 34 T 30N R 8W County SAN JUAN

Pit Type: Separator    Dehydrator    Other COMPRESSOR

Land Type: BLM X, State   , Fee   , Other   

Pit Location: Pit dimensions: length 19', width 13', depth 7'  
(Attach diagram)

Reference: wellhead X, other   

Footage from reference: 95'

Direction from reference: 13 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) 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) 0  
Greater than 1000 feet (0 points)

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: \_\_\_\_\_ Date Completed: 9-30-94

Remediation Method: Excavation ☒ Approx. cubic yards 27  
(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

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 7'

Sample date 9-30-94 Sample time \_\_\_\_\_

Sample Results

Benzene(ppm) 0.133

Total BTEX(ppm) 118.356

Field headspace(ppm) 1097

TPH 1500 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 10/5/94

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>80097</u> C.D.C. NO: <u>2056</u>
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FIELD REPORT: CLOSURE VERIFICATION	PAGE No: <u>1</u> of <u>1</u>
LOCATION: NAME: <u>THOMPSON</u> <u>LS</u> WELL #: <u>2A</u> PIT: <u>COMPRESSOR</u>	DATE STARTED: <u>9/22/94</u> DATE FINISHED: <u>9-30-94</u>
QUAD/UNIT: <u>D</u> SEC: <u>34</u> TWP: <u>30N</u> RNG: <u>8W</u> PM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u>	ENVIRONMENTAL SPECIALIST: <u>NV/RED</u>
QTR/FOOTAGE: <u>1130' FAL</u> / <u>845' FWC</u> CONTRACTOR: <u>MOSS</u>	

SOIL REMEDIATION: EXCAVATION APPROX. <u>30</u> FT. x <u>20</u> FT. x <u>11</u> FT. DEEP.
DISPOSAL FACILITY: <u>LANDFARMED ON-SITE</u> CUBIC YARDAGE: <u>250</u>
LAND USE: <u>RANGE</u> LEASE: <u>SF - 078385</u>

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>95</u> FEET <u>S/E</u> FROM WELLHEAD.
DEPTH TO GROUNDWATER: <u>&gt;100'</u> NEAREST WATER SOURCE: <u>&gt;1000'</u> NEAREST SURFACE WATER: <u>&gt;1000'</u>
NMOC D RANKING SCORE: <u>0</u> NMOC D TPH CLOSURE STD: <u>5000</u> PPM <u>ELEV 6343'</u> FORMATION: <u>MV</u>

SOIL AND EXCAVATION DESCRIPTION: 9-30-94 PIT NOW 20' x 30' x 11' DP. SIDE-WALLS BROWN TO GRAY SOFT SHALE, BOTTOM GRAY HARD SHALE, BEDROCK.  <u>BUDDY SAYS CLOSE IT.</u>	OK. YELL. ORANGE TO BROWN SILTY CLAY, SLIGHTLY PLASTIC, SLIGHTLY MOIST, FIRM TO STIFF, STRONG HC ODOR IN ALL OVM SAMPLES. BOTTOM CONSIST OF SOFT SHALE, OK. GRAY TO GRAYISH RED PURPLE IN COLOR.
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FIELD 418.1 CALCULATIONS

SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1130 (3) @ 4'	TPH-1150	5	20	10:1	225	9,200
(4) WS @ 7'	1167	10.0	20.0	100:10	76	1520

SCALE 0 5 10 FT

PIT PERIMETER

OVM RESULTS

PIT PROFILE

<p>TO WELL HEAD</p> <p>COMPR. PM.</p> <p>ADDITIONAL EXCAVATION 9-30-94</p>	<table border="1"> <thead> <tr> <th>SAMPLE ID</th> <th>FIELD HEADSPACE PHD (ppm)</th> </tr> </thead> <tbody> <tr><td>1 @ 4'</td><td>214.2</td></tr> <tr><td>2 @ 4'</td><td>253.6</td></tr> <tr><td>3 @ 4'</td><td>1025</td></tr> <tr><td>4 @ 4'</td><td>1020</td></tr> <tr><td>5 @ 7'</td><td>805</td></tr> <tr><td>9-30-94</td><td></td></tr> <tr><td>6 NS @ 7'</td><td>1035</td></tr> <tr><td>7 ES @ 7'</td><td>972</td></tr> <tr><td>8 SS @ 7'</td><td>979</td></tr> <tr><td>9 WS @ 7'</td><td>1097</td></tr> <tr><td>10 CB @ 11'</td><td>875</td></tr> <tr><td colspan="2">LAB SAMPLES</td></tr> <tr><td></td><td></td></tr> <tr><td>(9) WS @ 7'</td><td>875</td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </tbody> </table>	SAMPLE ID	FIELD HEADSPACE PHD (ppm)	1 @ 4'	214.2	2 @ 4'	253.6	3 @ 4'	1025	4 @ 4'	1020	5 @ 7'	805	9-30-94		6 NS @ 7'	1035	7 ES @ 7'	972	8 SS @ 7'	979	9 WS @ 7'	1097	10 CB @ 11'	875	LAB SAMPLES				(9) WS @ 7'	875					<p>19'</p> <p>7'</p> <p>SHALE BEDROCK</p>
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TRAVEL NOTES: CALLOUT: <u>9/19/94</u> ONSITE: <u>9/20/94</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  
Sample ID: 3 @ 4'  
Project Location: Thompson LS 2 A  
Laboratory Number: TPH-1150

Project #:  
Date Analyzed: 9-20-94  
Date Reported: 9-20-94  
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	9,000	200

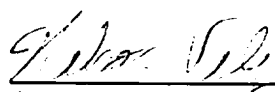
ND = Not Detectable at stated detection limits.

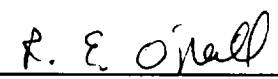
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	372	416	11.17

\*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: Compressor Pit - B0097

  
Analyst

  
Review

**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:	W Side @ 7'	Date Analyzed:	9-30-94
Project Location:	Thompson LS 2A	Date Reported:	9-30-94
Laboratory Number:	TPH-1167	Sample Matrix:	Soil

Parameter -----	Result, mg/kg -----	Detection Limit, mg/kg -----
Total Recoverable Petroleum Hydrocarbons	<b>1500</b>	<b>100</b>

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg -----	Duplicate TPH mg/kg -----	% *Diff. -----
	4,020	4,220	5

\*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: Compressor Pit - B0097

R. E. O'Neill  
Analyst

J. C. Blagg  
Review

OFF: (505) 325-8786



LAB: (505) 325-5667

**AROMATIC VOLATILE ORGANICS**

Attn: *R. E. O'Neill*  
Company: *Blagg Engineering*  
Address: *P.O. Box 87*  
City, State: *Bloomfield, NM 87413*

Date: 10/4/94  
Lab ID: 2056  
Sample ID: 3378  
Job No. 2-1000

Project Name: *Thompson LS # 2A*  
Project Location: *W Side @ 7' - Compressor Pit*  
Sampled by: REO Date: 9/30/94  
Analyzed by: DLA Date: 10/4/94  
Sample Matrix: *Soil*

Time: 10:30

**Aromatic Volatile Organics**

<b>Component</b>	<b>Measured Concentration ug/kg</b>	<b>Detection Limit Concentration ug/kg</b>
<i>Benzene</i>	133	0.2
<i>Toluene</i>	21,185	0.2
<i>Ethylbenzene</i>	3,160	0.2
<i>m,p-Xylene</i>	70,486	0.2
<i>o-Xylene</i>	23,392	0.2
<i>TOTAL 118,356 ug/kg</i>		

*ND - Not Detectable*

**Method** - SW-846 EPA Method 8020 Aromatic Volatile Organics by Gas Chromatography

Approved by:

Date:

*Jan 6x*  
*10/4/94*

P. O. BOX 2606 • FARMINGTON, NM 87499