

District I

P.O. Box 1980, Hobbs, NM

District II

P.O. Drawer 88, Aztec, NM 88211

DEPT. OF OIL & GAS INSPECTOR

1000 Rio Brazos Rd., Aztec, NM 87410

DEC 03 1996

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

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

PIT REMEDIATION AND CLOSURE REPORT

*Approved*

Operator: Amoco Production Company Telephone: (505) -326-9200  
Address: 200 Amoco Court, Farmington, New Mexico 87401  
Facility Or: BACA GC A1  
Well Name \_\_\_\_\_  
Location: Unit or Qtr/Qtr Sec H Sec 26 T 29N R 10W County SAN JUAN  
Pit Type: Separator \_\_\_\_\_ Dehydrator ☒ Other \_\_\_\_\_  
Land Type: BLM \_\_\_\_\_, State \_\_\_\_\_, Fee \_\_\_\_\_, other Com. AGMT.

Pit Location: Pit dimensions: length 24', width 45', depth 10'  
(Attach diagram) Reference: wellhead ☒, other \_\_\_\_\_  
Footage from reference: 140'  
Direction from reference: 50 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) 20

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) 20

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) 10

RANKING SCORE (TOTAL POINTS): 50

Date Remediation Started: \_\_\_\_\_

Date Completed: 12/30/94Remediation Method: Excavation ☒  
(Check all appropriate sections)Landfarmed ☒Approx. cubic yards 300

Insitu Bioremediation \_\_\_\_\_

Other \_\_\_\_\_

Remediation Location:  
(ie. landfarmed onsite,  
name and location of  
offsite facility)Onsite ☒ Offsite \_\_\_\_\_

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 DocumentsMULTIPLE SAMPLESSample depth 6' + 10'Sample date 12-28-94

Sample time \_\_\_\_\_

Sample Results

Benzene(ppm) ND @ 6'Total BTEX(ppm) 0.0794 @ 6'Field headspace(ppm) 68 @ 10'TPH 40 ppm @ 10'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 12/30/94

SIGNATURE

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>80199</u> C.D.C. NO: _____
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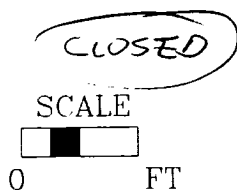
FIELD REPORT: CLOSURE VERIFICATION	PAGE No: <u>1</u> of <u>1</u>
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LOCATION: NAME: <u>BACA GC</u> WELL #: <u>A1</u> PIT: <u>DEHY</u> QUAD/UNIT: <u>H</u> SEC: <u>26</u> TWP: <u>29N</u> RNG: <u>10W</u> PM: <u>NM</u> CNTY: <u>ST. NM</u> QTR/FOOTAGE: <u>SE1/4 NE1/4</u> CONTRACTOR: <u>P. VELASQUEZ</u>	DATE STARTED: <u>12/28/94</u> DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST: <u>NV</u>
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EXCAVATION APPROX. <u>24</u> FT. x <u>45</u> FT. x <u>10</u> FT. DEEP.	CUBIC YARDAGE: <u>300</u>	
DISPOSAL FACILITY: <u>ON-SITE</u>	REMEDIATION METHOD: <u>LANDFARMED</u>	
LAND USE: <u>RANGE</u>	LEASE: <u>-</u>	FORMATION: <u>MV</u>

FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>140</u> FT. <u>550E</u> FROM WELLHEAD. DEPTH TO GROUNDWATER: <u>&lt;50'</u> NEAREST WATER SOURCE: <u>&lt;1000'</u> NEAREST SURFACE WATER: <u>&lt;1000'</u> NMOCB RANKING SCORE: <u>50</u> NMOCB TPH CLOSURE STD: <u>100</u> PPM
SOIL AND EXCAVATION DESCRIPTION:	CHECK ONE : <input type="checkbox"/> PIT ABANDONED <input checked="" type="checkbox"/> STEEL TANK INSTALLED

*MOSTLY OR. YELL. BROWN CLAY, HIGHLY PLASTIC SLIGHTLY MOIST TO MOIST FIRM TO STIFF, NO APPARENT HC ODOR IN ANY OF THE OVM SAMPLES.*



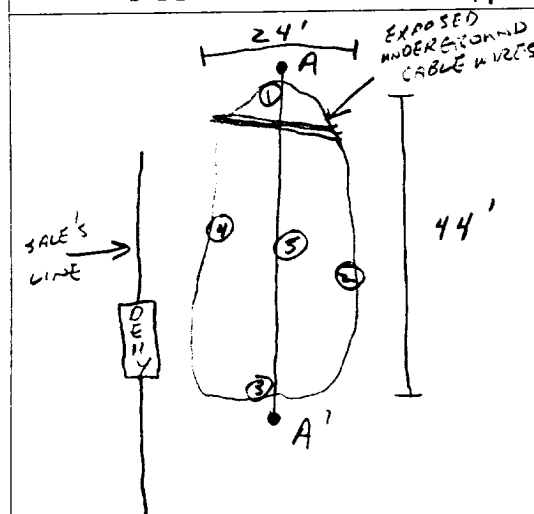
FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1330	(5) @ 10'	TPH-1338	5	30	1:1	10	40
1340	(1) @ 6'	TPH-1339	5	20	1:1	13	52

PIT PERIMETER

OVM RESULTS

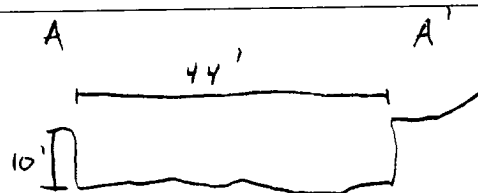
PIT PROFILE



SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 6'	319
2 @ 6'	159
3 @ 6'	0.0
4 @ 6'	0.0
5 @ 10'	68.0

LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
DEG'	BTEX	1340
PASSED		



TRAVEL NOTES:	CALLOUT: <u>12/28/94</u>	ONSITE: <u>12/28/94</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:	5 @ 10'	Date Analyzed:	12-29-94
Project Location:	Baca GC A 1	Date Reported:	12-29-94
Laboratory Number:	TPH-1338	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
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Total Recoverable Petroleum Hydrocarbons	40	20

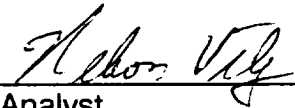
ND = Not Detectable at stated detection limits.

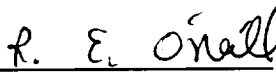
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	-----	-----	-----
	3560	3040	15.76

\*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: Dehydrator Pit - B0199

  
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  
Sample ID: 1 @ 6'  
Project Location: Baca GC A 1  
Laboratory Number: TPH-1339

Project #:  
Date Analyzed: 12-29-94  
Date Reported: 12-29-94  
Sample Matrix: Soil

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

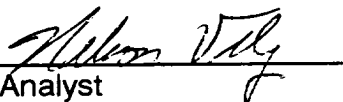
ND = Not Detectable at stated detection limits.

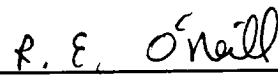
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	-----	-----	-----
	3560	3040	15.76

\*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: Dehydrator Pit - B0199

  
Analyst

  
Review

OFF: (505) 325-8786



LAB: (505) 325-5667

**AROMATIC VOLATILE ORGANICS**

Attn: *Nelson Velez*  
Company: *Blagg Engineering*  
Address: *P.O. Box 87*  
City, State: *Bloomfield, NM 87413*

Date: *12/30/94*  
Lab ID: *2519*  
Sample ID: *4554*  
Job No. *2-1000*

Project Name: *BACA GC A 1*  
Project Location: *1 @ 6' - Dehy Pit*  
Sampled by: *NV* Date: *12/28/94*  
Analyzed by: *DLA* Date: *12/30/94*  
Sample Matrix: *Soil*

Time: *13:40*

**Aromatic Volatile Organics**

<b>Component</b>	<b>Measured Concentration ug/kg</b>	<b>Detection Limit Concentration ug/kg</b>
<i>Benzene</i>	<i>ND</i>	<i>0.2</i>
<i>Toluene</i>	<i>ND</i>	<i>0.2</i>
<i>Ethylbenzene</i>	<i>ND</i>	<i>0.2</i>
<i>m,p-Xylene</i>	<i>79.4</i>	<i>0.2</i>
<i>o-Xylene</i>	<i>ND</i>	<i>0.2</i>
<i>TOTAL 79.4 ug/kg</i>		

*ND - Not Detectable*

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

Approved by: *Ja G*

Date: *12/30/94*

P. O. BOX 2606 • FARMINGTON, NM 87499