

District I

P.O. Box 1000, 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 DepartmentSUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

DEPUTY OIL & GAS INSPECTOR - OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DEC 03 1996

PIT REMEDIATION AND CLOSURE REPORT

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

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility Or: FLORANCE 119
Well Name

Location: Unit or Qtr/Qtr Sec A Sec 22 T9N R9W county SAN JUAN

Pit Type: Separator Dehydrator Other BLOW

Land Type: BLM X, State, Fee, Other

Pit Location: Pit dimensions: length 20', width 20', depth 20'
(Attach diagram)

Reference: wellhead X, other

Footage from reference: 96'

Direction from reference: 75 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)RECEIVED
NOV - 8 1994Yes (20 points) 0
No (0 points)OIL CON. DIV.
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)
Greater than 1000 feet (0 points) 0

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: 10-4-94 Date Completed: 10-31-94

Remediation Method: Excavation ☒ Approx. cubic yards 250
 (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: Sample location see Attached Documents

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

Sample depth 20' + 10'

Sample date 10-31-94 Sample time _____
10-4-94

Sample Results

Benzene(ppm) 0.018 @ 10'

Total BTEX(ppm) 18.651 @ 10'

Field headspace(ppm) 185 @ 20', 1336 @ 10'

TPH 3120 @ 10' + 26 @ 20'
 (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 11/3/94

SIGNATURE B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
ENVIRONMENTAL COORDINATOR

RESULTS TO EARL R. 8-31-94 REO

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80112</u> C.D.C. NO: <u>2058</u>
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FIELD REPORT: CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>
LOCATION: NAME: <u>FLORANCE</u> WELL #: <u>119</u> PIT: <u>BLON</u>		DATE STARTED: <u>10/4/94</u> DATE FINISHED: <u>10-31-94</u>
QUAD/UNIT: <u>A</u> SEC: <u>22</u> TWP: <u>29N</u> RNG: <u>9W</u> PM: <u>NM</u> CNTY: <u>ST</u> ST: <u>NM</u>		ENVIRONMENTAL SPECIALIST: <u>NV/REO</u>
QTR/FOOTAGE: <u>NE/4 NE/4</u> - CONTRACTOR: <u>MOSS</u>		

SOIL REMEDIATION: EXCAVATION APPROX. 20 FT. x 20 FT. x 20 FT. DEEP.
DISPOSAL FACILITY: LANDFARMED ON-SITE CUBIC YARDAGE: 250
LAND USE: RANGE LEASE: 82-080246

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 96 FEET S75E FROM WELLHEAD.
DEPTH TO GROUNDWATER: 7100' NEAREST WATER SOURCE: 71000' NEAREST SURFACE WATER: 71000'
NMCD RANKING SCORE: 0 NMCD TPH CLOSURE STD: 5,000 PPM FORMATION: DK

SOIL AND EXCAVATION DESCRIPTION:
10-31-94 EXCAVATION CONTINUED VERTICALLY.
PIT ABANDONED

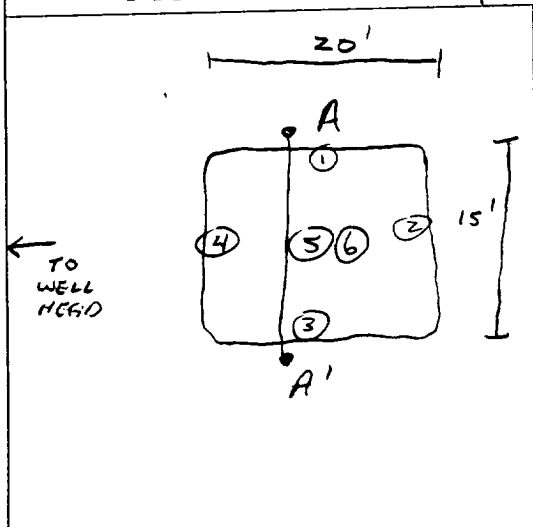
DK, YELL. ORANGE SAND w/ SOME GRAVEL, NON-COHESIVE, SLIGHTLY MOIST FIRM, STRONG HC ODOR IN NORTH, SOUTH SIDEWALLS & BOTTOM DUM SAMPLES.

FIELD 418.1 CALCULATIONS

SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1210 ① @ 10'	TPH-1174	5	20	10:1	78	3,120
1215 ⑤ @ 14'	TPH-1175	5	20	10:1	174	6,960
12/31 ⑧ @ 20'	1241	10.0	20.0	-	13	26

SCALE
0 12/31 FT

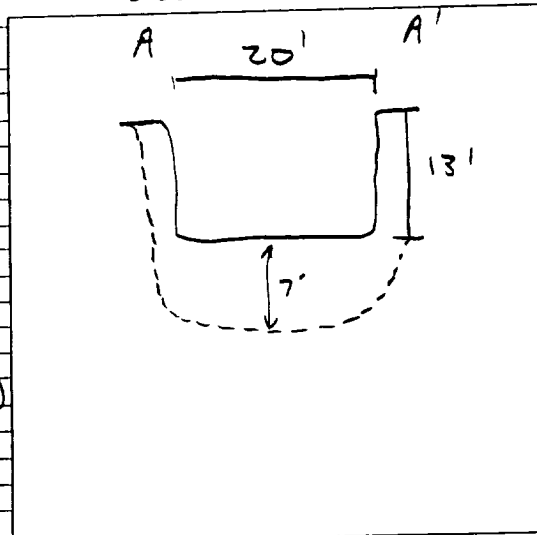
PIT PERIMETER



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 10'	1336
2 @ 10'	22.4
3 @ 10'	1109
4 @ 9'	65.0
5 @ 14'	765
6 @ 20'	185
LAB SAMPLES	
① @ 10'	RTX (8020)
	PASSED

PIT PROFILE



TRAVEL NOTES: CALLOUT: 10/4/94 ONSITE: 10/4/94

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: 1 @ 10'
Project Location: Florance 119
Laboratory Number: TPH-1174

Project #:
Date Analyzed: 10-05-94
Date Reported: 10-05-94
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	3,100	200

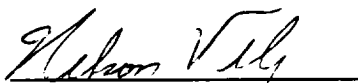
ND = Not Detectable at stated detection limits.

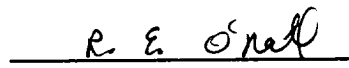
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	4020	4220	4.85

*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 - B0112


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: 10/6/94
Lab ID: 2058
Sample ID: 3440
Job No. 2-1000

Project Name: *Florance 119*
Project Location: *1 @ 10' - Blow Pit*
Sampled by: NV Date: 10/5/94
Analyzed by: DLA Date: 10/6/94
Sample Matrix: *Soil*

Time: 12:10

Aromatic Volatile Organics

Component	Measured Concentration ug/kg	Detection Limit Concentration ug/kg
<i>Benzene</i>	18	0.2
<i>Toluene</i>	741	0.2
<i>Ethylbenzene</i>	525	0.2
<i>m,p-Xylene</i>	14,181	0.2
<i>o-Xylene</i>	3,187	0.2
TOTAL 18,651 ug/kg		

ND - Not Detectable

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

Approved by: 

Date: 10/6/94

P. O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

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: 5 @ 14'
Project Location: Florance 119
Laboratory Number: TPH-1175

Project #:
Date Analyzed: 10-05-94
Date Reported: 10-05-94
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	7,000	200

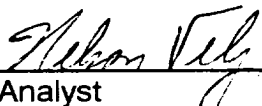
ND = Not Detectable at stated detection limits.

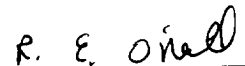
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	4020	4220	4.85

*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 - B0112


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: C Bottom @ 20'
Project Location: Florance 119
Laboratory Number: TPH-1241

Project #:
Date Analyzed: 10-31-94
Date Reported: 10-31-94
Sample Matrix: Soil

Parameter -----	Result, mg/kg -----	Detection Limit, mg/kg -----
Total Recoverable Petroleum Hydrocarbons	26	10

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg -----	Duplicate TPH mg/kg -----	% *Diff. -----
	3,400	2,920	15

*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 Blow Pit - B0112

R. E. O'Neil
Analyst

Nelson Vily
Review