

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
DEPUTY OIL & GAS INSPECTOR

SEP 11 9 1996

PIT REMEDIATION AND CLOSURE REPORT

Hypocrite

Operator: <u>Amoco Production Company</u>		Telephone: <u>(505) - 326-9200</u>
Address: <u>200 Amoco Court, Farmington, New Mexico 87401</u>		
Facility Or: <u>NEIL A* 7A</u> Well Name		
Location: Unit or Qtr/Qtr Sec <u>D</u> Sec <u>33</u> T <u>32N</u> R <u>11W</u> County <u>SAN JUAN</u>		
Pit Type: Separator <u> </u> Dehydrator <u>X</u> Other <u> </u>		
Land Type: BLM <u>X</u> , State <u> </u> , Fee <u> </u> , Other <u> </u>		
Pit Location: Pit dimensions: length <u>70'</u> , width <u>45'</u> , depth <u>20'</u> (Attach diagram) Reference: wellhead <u>X</u> , other <u> </u> Footage from reference: <u>50</u> Direction from reference: <u>60</u> Degrees <u>X</u> East North <u>X</u> of <u> </u> West South <u> </u>		
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)	<u>0</u>
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)	<u>0</u>
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)	<u>0</u>
RANKING SCORE (TOTAL POINTS):		<u>0</u>

Date Remediation Started: _____ Date Completed: 2-21-95

Remediation Method: Excavation X Approx. cubic yards 2000
 (Check all appropriate sections) Landfarmed X Insitu Bioremediation _____
 Other _____

Remediation Location: Onsite X Offsite _____
 (ie. landfarmed onsite, name and location of offsite facility)

General Description Of Remedial Action: _____

Excavation

Ground Water Encountered: No X 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 14' + 16'

Sample date 2-21-95 Sample time _____

Sample Results

Benzene(ppm) 0.282 @ 16'

Total BTEX(ppm) 0.44 @ 16'

Field headspace(ppm) 720 @ 14', 819 @ 16'

TPH 82 @ 16', 1084 @ 14' (ppm)

Ground Water Sample: Yes _____ No X (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 2-24-95

SIGNATURE

Buddy D. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
Environmental Coordinator

CLIENT: <u>AMO Co</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>BC 225</u> C.O.C NO: <u>2627</u>
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FIELD REPORT: PIT CLOSURE VERIFICATION

LOCATION: NAME: <u>NEIL LS</u> WELL #: <u>7A</u> PIT: <u>DEHY</u>	DATE STARTED: <u>2-21-95</u>
QUAD/UNIT: <u>D SEC 33 TWP 32 N RNG 11 W BM NM CNTY: SJ ST: NM</u>	DATE FINISHED: _____
OTF/FOOTAGE: <u>800' FWL, 1180' FWL</u> CONTRACTOR: <u>MOSS</u>	ENVIRONMENTAL SPECIALIST: <u>REC</u>

EXCAVATION APPROX. <u>45'</u> FT. x <u>70'</u> FT. x <u>20'</u> FT. DEEP. CUBIC YARDS: <u>2000</u>
DISPOSAL FACILITY: <u>ON-SITE</u> REMEDIATION METHOD: <u>LANDFARM</u>
LAND USE: <u>RANGE</u> LEASE: <u>SF-078051</u> FORMATION: <u>PC/MV</u>

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 50 FEET N60°E FROM WELLHEAD.

DEPTH TO GROUNDWATER: >100 NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'

NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5000 PPM

SOIL AND EXCAVATION DESCRIPTION: PIT DISPOSITION: ABANDONED

PIT EXCAVATED TO SANDSTONE ON NORTH, CLAY TO SOUTH.

SIGNALS STAINED + SOUP - LATERAL EXCAVATION LIMITED DUE TO EQUIPMENT.

FIELD 418.1 CALCULATIONS

SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
WS@16'	1379	10.0	20.0	-	41	82
SS@14'	1380	10.0	20.0	-	542	1084

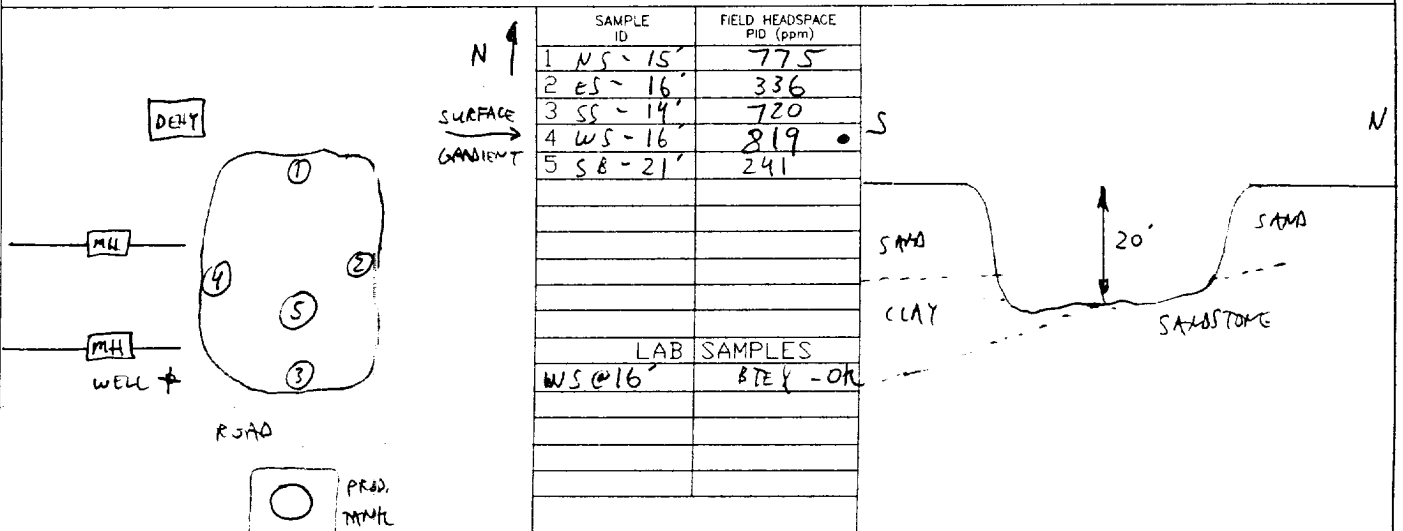
CLOSE PIT

CLAY
SCALE SAND
0 20 40 FT

PIT PERIMETER

OVM RESULTS

PIT PROFILE



TRAVEL NOTES: CALLOUT: 2-21-95 ONSITE: 2-21-95 0930

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 @ 16'	Date Analyzed:	2-21-95
Project Location:	Neil LS 7A	Date Reported:	2-21-95
Laboratory Number:	TPH-1379	Sample Matrix:	Soil

Parameter -----	Result, mg/kg -----	Detection Limit, mg/kg -----
Total Recoverable Petroleum Hydrocarbons	82	10

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg -----	Duplicate TPH mg/kg -----	% *Diff. -----
	4,760	4,400	8

*Administrative Acceptance limits set at 30%.

Method: Modified Method 418.1, Petroleum Hydrocarbons, Total
Recoverable, Chemical Analysis of Water and Waste,
USEPA Statet No.4551, 1978

Comments: Dehydrator Pit - B0225

R E O'Neil
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:	S. Side @ 14'	Date Analyzed:	2-21-95
Project Location:	Neil LS 7A	Date Reported:	2-21-95
Laboratory Number:	TPH-1380	Sample Matrix:	Soil

Parameter -----	Result, mg/kg -----	Detection Limit, mg/kg -----
Total Recoverable Petroleum Hydrocarbons	1,100	10

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg -----	Duplicate TPH mg/kg -----	% *Diff. -----
	4,760	4,400	8

*Administrative Acceptance limits set at 30%.

Method: Modified Method 418.1, Petroleum Hydrocarbons, Total
Recoverable, Chemical Analysis of Water and Waste,
USEPA Statute No. 4551, 1978

Comments: Dehydrator Pit - B0225

R. E. O'Neil
Analyst

Review

OFF: (505) 325-8786

ON SITE
TECHNOLOGIES, LTD.

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: *2/23/95*
COC No. *2627*
Sample ID: *5265*
Job No. *2-1000*

Project Name: *Neil LS #7A*
Project Location: *W. S. @ 16' - Dehy. Pit*
Sampled by: *REQ* Date: *2/21/95*
Analyzed by: *DLA* Date: *2/23/95*
Sample Matrix: *Soil*

Time: *10:30*

Aromatic Volatile Organics

Component	Measured Concentration ug/kg	Detection Limit Concentration ug/kg
<i>Benzene</i>	<i>282.3</i>	<i>0.2</i>
<i>Toluene</i>	<i>15.3</i>	<i>0.2</i>
<i>Ethylbenzene</i>	<i>16.2</i>	<i>0.2</i>
<i>m,p-Xylene</i>	<i>125.9</i>	<i>0.2</i>
<i>o-Xylene</i>	<i>ND</i>	<i>0.2</i>
	<i>TOTAL 439.6 ug/kg</i>	

ND - Not Detectable

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

Approved by: *JaHy*
Date: *2/23/95*