

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

Risk - non vulnerable
80127

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

PTT REMEDIATION AND CLOSURE REPORT

Derived 12/5/15 due to TPH + BTEX

Operator:	Amoco Production Company	Telephone:	(505) - 326-9200
Address:	200 Amoco Court, Farmington, New Mexico 87401		
Facility Or: Well Name	P.O. PIPKIN S		
Location: Unit or Qtr/Qtr Sec	A	Sec	7 T27N R10W County SAN JUAN
Pit Type: Separator	X	Dehydrator	Other
Land Type: BLM	X	State	Fee Other
Pit Location: (Attach diagram)	Pit dimensions: length 22', width 14', depth 11'		
	Reference: wellhead X, other		
	Footage from reference: 114'		
	Direction from reference: 73 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)	0
	No	(0 points)	
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: 10/20/94

Remediation Method: Excavation ☒ Approx. cubic yards 90
 (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, RISK ASSESSED.

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 8'
 Sample date 10/20/94 Sample time 1050

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) 1547

TPH 10,880 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 10/20/94 5/25/98 91V

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>80127</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>P.O. PIPKIN</u> WELL #: <u>5</u> PIT: <u>SEP</u>	DATE STARTED: <u>10/20/94</u> DATE FINISHED: _____
QUAD/UNIT: <u>A</u> SEC: <u>7</u> TWP: <u>27N</u> RNG: <u>10W</u> PM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u>	ENVIRONMENTAL SPECIALIST: <u>NV</u>
QTR/FOOTAGE: <u>NE/4</u> <u>NE/4</u> CONTRACTOR: <u>EPC</u>	

EXCAVATION APPROX <u>22</u> FT. x <u>14</u> FT. x <u>11</u> FT. DEEP. CUBIC YARDAGE: <u>90</u>
DISPOSAL FACILITY: <u>ON-SITE</u> REMEDIATION METHOD: <u>COMPOSTED</u>
LAND USE: <u>RANGE</u> LEASE: <u>SF-077875</u> FORMATION: <u>DK</u>

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>114</u> FT. <u>S73E</u> FROM WELLHEAD.
DEPTH TO GROUNDWATER: <u>>100'</u> NEAREST WATER SOURCE: <u>>1000'</u> NEAREST SURFACE WATER: <u>>1000'</u>
NMOOD RANKING SCORE: <u>0</u> NMOOD TPH CLOSURE STD: <u>5000</u> PPM

CHECK ONE:
<input checked="" type="checkbox"/> PIT ABANDONED
<input type="checkbox"/> STEEL TANK INSTALLED

SOIL AND EXCAVATION DESCRIPTION:

VARIOUS COLOR SILTY CLAY RANGING FROM MOD. YELL. BROWN (WEST SIDEWALL ONLY), LT. GRAY (SOUTH SIDEWALL) OLIVE GRAY (NORTH & EAST SIDEWALL), TO DK. GRAY/BLACK (BOTTOM), SLIGHTLY PLASTIC, SLIGHTLY MOIST, STIFF, STRONG HC odor in OUM samples w/ HIGH READING. EXCAVATION TERMINATED DUE TO UNDERGROUND PIPING SURROUNDING PIT.

CONDITIONAL CLOSURE

RISK ASSESSED 410

FIELD 418.1 CALCULATIONS

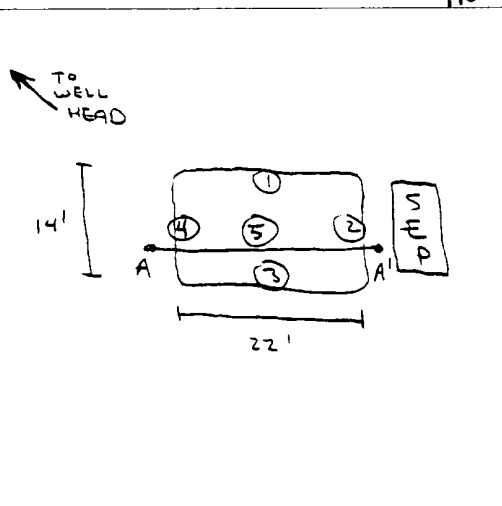
TIME	SAMPLE I.D.	LAB No.	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1050	1@8'	TPH-1205	5	20	10.1	272	10,880

SCALE
0 FT

PIT PERIMETER

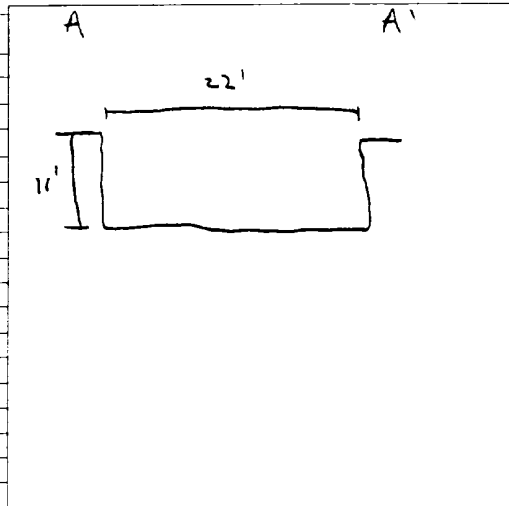
OVM RESULTS

PIT PROFILE



SAMPLE ID	FIELD HEADSPACE PID (ppm)
1@8'	1547
2@7'	1322
3@8'	2.8
4@8'	1.2
5@11'	721

LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME



TRAVEL NOTES: CALLOUT: <u>10/20/94</u> ONSITE: <u>10/20/94</u>
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Well Name:

Well Site location:

Pit Type:

Producing Formation:

Pit Category:

Horizontal Distance to Surface Water:

Vicinity Groundwater Depth:

Pipkin P.O. #5

Unit A. Sec. 7. T27N. R10W

Separator Pit

Basin Dakota

Non Vulnerable

> 1000 ft.

> 100 ft.

RISK ASSESSMENT (non-vulnerable area)

Pit remediation activities were terminated when trackhoe reached practical extent for abandoned pit at 11 ft. below grade and for safety concerns (underground piping and surface equipment).

No past or future threat to surface water or groundwater is likely based on the following considerations:

1. Groundwater levels located on or close to the well pad are estimated to be at a much greater depth below presumed shallow sandstone bedrock (based on informal site observation of adjacent sandstone outcrop).
2. Topographic information does not indicate off site lateral fluid migration near the earthen pit.
3. Daily discharge into the earthen pit has been terminated (pit abandoned). Prior discharge into the pit is believed to be under 5 barrels per day.
4. Well site located within the **non-vulnerable area** and is approximately 0.38 miles north northeast of the nearest vulnerable area boundary (East Fork Kutz wash).

(Refer to East Fork Kutz Canyon Quadrangle, New Mexico - Rio Arriba County, 7.5 Minute Series (Topographic), provisional edition 1985, (vulnerable area boundary developed by Mr. William C. Olson, Hydrogeologist, Environmental Bureau, New Mexico Oil Conservation Division).

Based upon the information given, we conclude that the subsurface vertical and lateral contamination is limited and impact to groundwater is very unlikely. AMOCO requests pit closure approval on this location.

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:	1 @ 8'	Date Analyzed:	10-20-94
Project Location:	P.O. Pipkin 5	Date Reported:	10-20-94
Laboratory Number:	TPH-1205	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
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Total Recoverable Petroleum Hydrocarbons	10,900	200

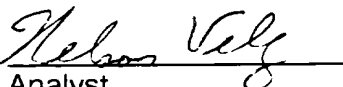
ND = Not Detectable at stated detection limits.

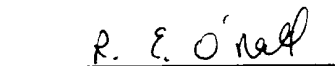
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% * Diff.
	-----	-----	-----
	1024	1044	1.93

* 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 - B0127


Analyst


Review

BLAGG ENGINEERING, INC.

P.O. Box 87, Bloomfield, New Mexico 87413

Phone: (505)632-1199 Fax: (505)632-3903

Field TPH-Worksheet

Max Characters:

Client:

Amoco

Project #:

Sample ID:

1 @ 8'

Date Analyzed:

10-20-94

Project Location:

P.O. Pipkin 5

Date Reported:

10-20-94

Laboratory Number:

TPH-1205

Sample Matrix:

Soil

Sample Weight:

5.00 grams

Volume Freon:

20.00 mL

Dilution Factor:

10 (unitless)

TPH Reading:

272 mg/kg

TPH Result:

10880.0 mg/kg

Reported TPH Result:

10900 mg/kg

Actual Detection Limit:

200.0 mg/kg

Reported Detection Limit:

200 mg/kg

QA/QC:

Original
TPH mg/kg

Duplicate
TPH mg/kg

%
Diff.

1024

1044

1.93

Comments:

*****Max Characters*****

Comments:

Separator Pit - B0127

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80127</u> C.D.C. NO: _____
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FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: <u>P.O. PIRKIN</u>	WELL #: <u>5</u>	PITS: <u>SEP, BLOW</u>	DATE STARTED: <u>1-25-96</u>
QUAD/UNIT: <u>A</u> SEC: <u>7</u> TWP: <u>27N</u> RNG: <u>10W</u> PM: <u>NM</u> CNTY: <u>ST</u> ST: <u>NM</u>	DATE FINISHED: _____		
GTR/FOOTAGE: <u>NE 1/4 NW 1/4</u>	CONTRACTOR: <u>EPC</u>		
			ENVIRONMENTAL SPECIALIST: <u>NV</u>

SOIL REMEDIATION:

REMEDICATION SYSTEM: <u>COMPOSTED</u>	APPROX. CUBIC YARDAGE: <u>440</u>
LAND USE: <u>RANGE</u>	LEASE: <u>SF - 077875</u>

FIELD NOTES & REMARKS:

DEPTH TO GROUNDWATER: 2100' NEAREST WATER SOURCE: 21000' NEAREST SURFACE WATER: 21000'

NMOOD BANKING SCORE: 0 NMOOD TPH CLOSURE STD: 5000 PPM

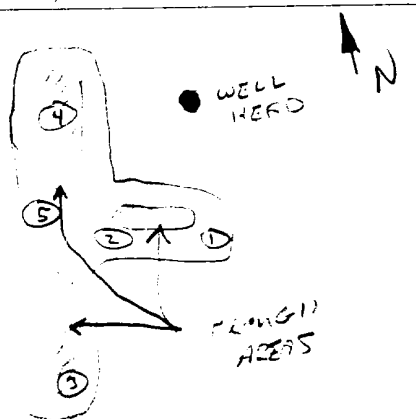
COMPOST PILE MOSTLY OK. YELL. ORANGE TO BROWN SAND, NO APPARENT HC OOR IN OVM SAMPLE. 5 PT. COMPOSITE COLLECTED. TOP OF PILE TROUGHED (ASSUMED EPC APPLIED BIOTREATMENT IN ADDITION TO COMPOST MATERIAL)

FIELD 4181 CALCULATIONS

CLOSE C.P.

SAMPLE ID	LAB NO.	WEIGHT (g)	ML. FREON	DILUTION	READING	CALC. ppm

SKETCH/SAMPLE LOCATIONS



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE FID (ppm)
<u>POPS-CPI</u>	<u>0.5</u>

LAB SAMPLES

SAMPLE ID	ANALYSIS
<u>POPS-CPI</u>	<u>TPH (8015)</u>

= NJ

SCALE



0 FT

TRAVEL NOTES

CALLOUT: 1-25-96 MORN. ONSITE: 1-25-96 AFTER.

TOTAL VOLATILE PETROLEUM HYDROCARBONS
Gasoline Range Organics**Blagg Engineering, Inc.**

Project ID: APC
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Report Date: 02/06/96
Date Sampled: 01/25/96
Date Received: 01/25/96
Date Extracted: 01/25/96
Date Analyzed: 01/27/96

Sample ID	Lab ID	Concentration (mg/kg)	Detection Limit (mg/kg)
POP 5 - CP 1	2525	ND	17.3

ND- Analyte not detected at the stated detection limit.

Quality Control:	<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptance Limits</u>
	Trifluorotoluene	89%	50 - 150%

Reference: Method for the Determination of Gasoline Range Organics,
State of Tennessee, Department of Environment and Conservation, Division
of Underground Storage Tanks.

Comments: POP 5 - CP 1


Analyst


Review

Blagg Engineering, Inc.

Report Date: 02/06/96
Date Sampled: 01/25/96
Date Received: 01/25/96
Date Extracted: 01/25/96
Date Analyzed: 01/28/96

Sample ID	Lab ID	Concentration (mg/kg)	Detection Limit (mg/kg)
POP 5 - CP1	2525	ND	17.6

ND- Analyte not detected at the stated detection limit.

Quality Control:	Surrogate	% Recovery	Acceptance Limits
	o - Terphenyl	90%	50 - 150%

Reference: EPA Method 8015A, modified. "Nonhalogenated Volatile Organics by Gas Chromatography." Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Ed, Final Update I, July, 1992. USEPA.

Comments: P.O. 2/11/14 5


Analyst

Review

