

Blow - OK - 12/14/01
Sep - 04

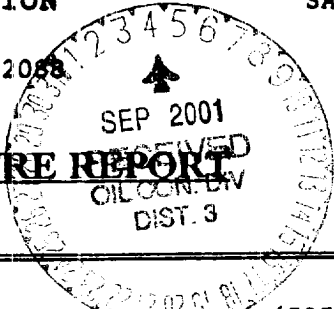
80181

District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM 88211
District III
1000 Rio Brazos Rd, Artesia, 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

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088



PIT REMEDIATION AND CLOSURE REPORT

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

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility Or: McCulley LS 4
Well Name

Location: Unit or Qtr/Qtr Sec K sec 14 T28N R 9W county SAN JUAN

Pit Type: Separator ___ Dehydrator ___ Other ABANDONED BLOW

Land Type: BLM X, State ___ , Fee ___ , Other ___

Pit Location: Pit dimensions: length 15', width 10', depth 8'
(Attach diagram) Reference: wellhead X, other ___

Footage from reference: 90'

Direction from reference: 23 Degrees X East North X
of
___ West South ___

Depth To Ground Water: Less than 50 feet (20 points)
(Vertical distance from 50 feet to 99 feet (10 points)
contaminants to seasonal Greater than 100 feet (0 Points) 0
high water elevation of ground water)

Wellhead Protection Area: Yes (20 points)
(Less than 200 feet from a private No (0 points) 0
domestic water source, or; less than 1000 feet from all other water sources)

Distance To Surface Water: Less than 200 feet (20 points)
(Horizontal distance to perennial 200 feet to 1000 feet (10 points) 0
lakes, ponds, rivers, streams, creeks, Greater than 1000 feet (0 points)

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: _____ Date Completed: 12/11/94

Remediation Method: Excavation Approx. cubic yards 80^{71V}
(Check all appropriate sections) Landfarmed ^{90V} Insitu Bioremediation _____
Other _____

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

General Description Of Remedial Action: _____
Excavation, CLOSE AS IS. NO REMEDIATION NECESSARY.^{71V}
NO SOIL WAS APPARENTLY REMOVED FROM PIT.^{90V}

DMOCD letter correspondence 11-25-96

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 9'
Sample date 12/10/94 Sample time 1115

Sample Results
Benzene (ppm) _____
Total BTEX (ppm) _____
Field headspace (ppm) 0.0
TPH 28 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 12/11/94
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>80181</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>McCULLY LS</u> WELL #: <u>4</u> PIT: <u>ABAN. BLOW</u>	DATE STARTED: <u>12/10/94</u> DATE FINISHED: _____
QUAD/UNIT: <u>K</u> SEC: <u>14</u> TWP: <u>28N</u> RNG: <u>9W</u> PM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u>	ENVIRONMENTAL SPECIALIST: <u>NV</u>
QTR/FOOTAGE: <u>NE 1/4 SW 1/4</u> CONTRACTOR: <u>P. VELASQUEZ</u>	

EXCAVATION APPROX. 15 FT. x 10 FT. x 8 FT. DEEP. CUBIC YARDAGE: 80^{yd}

DISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: LANDFARMED

LAND USE: RANGE LEASE: NM-04208 FORMATION: OK

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 90 FT. N23E FROM WELLHEAD.
DEPTH TO GROUNDWATER: 7100' NEAREST WATER SOURCE: 71000' NEAREST SURFACE WATER: 71000'

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

SOIL AND EXCAVATION DESCRIPTION:

CHECK ONE:

PIT ABANDONED

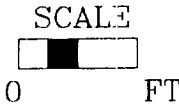
STEEL TANK INSTALLED

MOD. YELL. BROWN SAND, NON-COHESIVE, SLIGHTLY MOIST, FIRM, NO APPARENT HC OBOR IN ANY OVM SAMPLES.

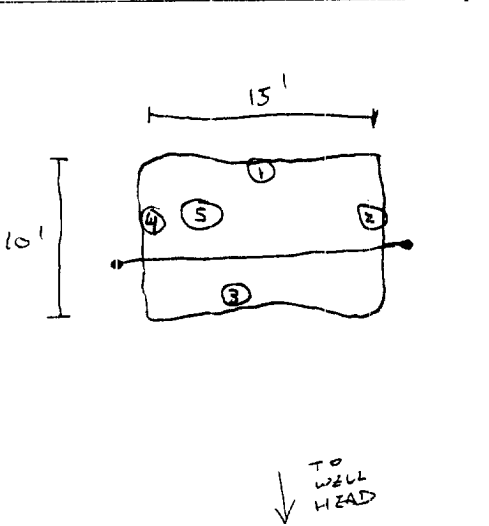
CLOSED

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No.	WEIGHT (g)	ml. FREON	DILUTION	READING	CALC. ppm
1115	⑤ @ 9'	TPH-1310	5	20	1:1	7	28



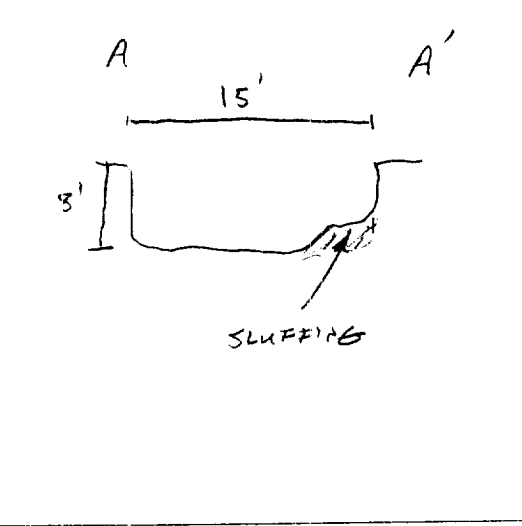
PIT PERIMETER



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PLO (ppm)
1 @ 5'	0.0
2 @ 6'	0.0
3 @ 4'	0.0
4 @ 5'	0.0
5 @ 9'	0.0

PIT PROFILE



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME

TRAVEL NOTES: CALLOUT: 12/6/94 ONSITE: 12/10/94

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: 5 @ 9'
Project Location: McCulley LS 4
Laboratory Number: TPH-1310

Project #:
Date Analyzed: 12-11-94
Date Reported: 12-11-94
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	28	20

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	2640	2640	0.00

*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 - B0181

Nelson Veliz
Analyst

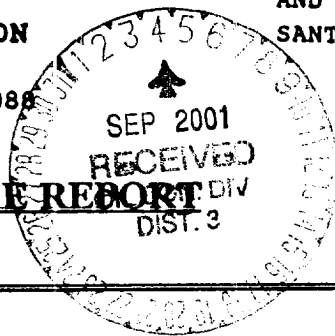
P. E. O'Neil
Review

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District III
1000 Rio Brazos Rd, Aztec, NM 87410

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Energy, Minerals and Natural Resources Department

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Santa Fe, New Mexico 87504-2088



PIT REMEDIATION AND CLOSURE REPORT

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

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility Or: McCULLY LS 4
Well Name

Location: Unit or Qtr/Qtr Sec K sec 14 T28N R 9W county SAN JUAN

Pit Type: ^{ABANDONED} Separator Dehydrator Other

Land Type: BLM , State , Fee , Other

Pit Location: Pit dimensions: length 17', width 13', depth 7'
(Attach diagram)

Reference: wellhead , other

Footage from reference: 110'

Direction from reference: 45 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) <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): 0

Date Remediation Started: _____ Date Completed: 12/11/94

Remediation Method: Excavation (Check all appropriate sections) Landfarmed ^{nv} Other _____
Approx. cubic yards 40 ^{nv} Insitu Bioremediation _____

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

General Description Of Remedial Action: _____
Excavation. CLOSE AS IS. NO REMEDIATION NECESSARY. ^{nv}
NO SOIL WAS APPARENTLY REMOVED FROM PIT. ^{nv}

Dmocs letter correspondence 11-25-96

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 12/10/94 Sample time 1130

Sample Results
Benzene(ppm) _____
Total BTEX(ppm) _____
Field headspace(ppm) 0.0
TPH ND 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 12/11/94
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>B0181</u> C.O.C. NO: _____
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FIELD REPORT: CLOSURE VERIFICATION PAGE No: 1 of 1

LOCATION: NAME: <u>McCULLY LS</u> WELL #: <u>4</u> PIT: <u>ASAP: SEP</u>	DATE STARTED: <u>12/10/94</u> DATE FINISHED: _____
QUAD/UNIT: <u>K SEC: 14 TWP: 28N RNG: 9W PM: NM CNTY: SJ ST: NM</u>	ENVIRONMENTAL SPECIALIST: <u>NV</u>
QTR/FOOTAGE: <u>NE/4 SW/4</u> CONTRACTOR: <u>P. VELASQUEZ</u>	

EXCAVATION APPROX. 17 FT. x 13 FT. x 7 FT. DEEP. CUBIC YARDAGE: 40 ^{cu yd}

DISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: CLOSE AS IS AND LANDFILL

LAND USE: RANGE LEASE: NM-04208 FORMATION: DK

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 110 FT. N45E FROM WELLHEAD.
DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'

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

SOIL AND EXCAVATION DESCRIPTION:

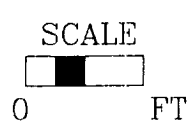
CHECK ONE:
 PIT ABANDONED
 STEEL TANK INSTALLED

MOD. YELL. BLOWN SAND, NON-COHESIVE, SLIGHTLY MOIST, FIRM, NO APPARENT HC IN ANY OUM SAMPLES.

CLOSED

FIELD 4181 CALCULATIONS

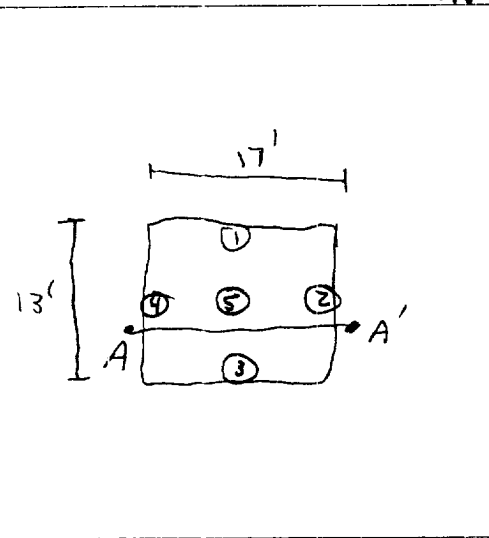
TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	ML. FREON	DILUTION	READING	CALC. ppm
1130	⑤ E 8'	TPH-1311	5	20	1:1	2	ND



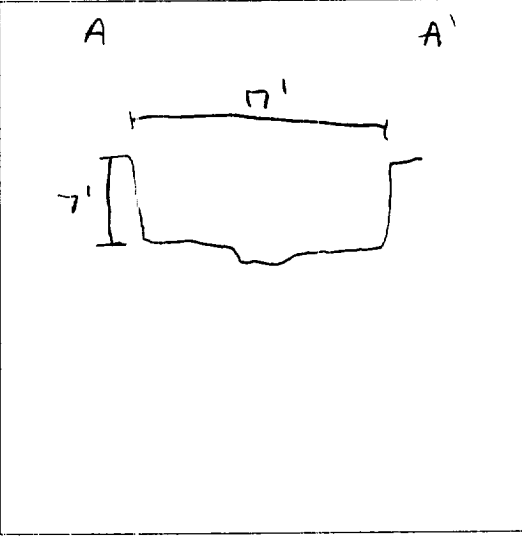
PIT PERIMETER

OVN RESULTS

PIT PROFILE



SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 4'	0.0
2 @ 3'	0.0
3 @ 3'	0.0
4 @ 5'	0.0
5 @ 8'	0.0



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME

TRAVEL NOTES: CALLOUT: 12/6/94 ONSITE: 12/10/94

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	Project #:	
Sample ID:	5 @ 8'	Date Analyzed:	12-11-94
Project Location:	McCulley LS 4	Date Reported:	12-11-94
Laboratory Number:	TPH-1311	Sample Matrix:	Soil

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

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	2640	2640	0.00

*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 Separator Pit - B0181

Nelson Vely
Analyst

R. E. O'Neil
Review