

District I
P.O. Box 1980, Hobbes, NM

District II
P.O. Drawer DD, Artes, NM 88211

District III
1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resource Department

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

OCT - 7 1999

Blow - OK
Sep - OK
SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE
(Revised 3/9/94)

PIT REMEDIATION AND CLOSURE REPORT

DIST. 3

Operator: AMOCO PRODUCTION COMPANY Telephone: (505) 326-9219
Address: 200 AMOCO COURT, FARMINGTON, NM 87401
Facility Or: BELL FEDERAL GAS COM B #1E
Well Name _____
Location: Unit or Qtr/Qtr Sec SE/NW F Sec 11 T 30 R 13 County SAN JUAN
Pit Type: Separator _____ Dehydrator _____ Other BLOW DOWN
Land Type: BLM XX State _____ Fee _____ Other _____

Pit Location: Pit dimensions: Length 65 width 60 depth 5
(Attach diagram)
Reference: wellhead X Other _____ See Attached
Footage from reference: 138'
Direction from reference: 52 Degrees _____ East North _____
of
X 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)	<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: 05/20/94

Date Completed: 05/20/94

Remediation Method: Excavation XX Approx. cubic yards 722

Landfarmed _____ Insitu Bioremediation _____

Other _____

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

General Description of Remediation Action: _____
CONTAMINATION WAS REMEDIATED BY DILUTION AND AERATION.

Ground Water Encountered: No X Yes _____ Depth _____

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

Sample location See Attached

Sample depth 5

Sample date 05/20/94 Sample time 02:00:00

Sample Results

Benzene (ppm) _____

Total BTEX (ppm) _____

Field headspace (ppm) 0.0 e3' 715 11/18/97

TPH 3,480 681 215

Ground Water Sample: Yes _____ No XX (If yes, attach sample results)

I HEREBY CERTIFY THAT INFORMATION ABOVE IS TRUE AND COMPLETE
TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 11 1-11-95 1/20/98 715

SIGNATURE

BS Shaw

PRINTED NAME
AND TITLE

Environmental
Coordinator

Date Remediation Started: 05/20/94 Date Completed: 05/20/94
Remediation Method: Excavation XX Approx. cubic yards 722

Landfarmed _____ Insitu Bioremediation _____

Other _____

Remediation Location: Onsite XX Offsite _____
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CONTAMINATION WAS REMEDIATED BY DILUTION AND AERATION.

Ground Water Encountered: No X Yes _____ Depth _____

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

Sample location See Attached

Sample depth 5

Sample date 05/20/94 Sample time 02:00:00

Sample Results

Benzene (ppm) _____

Total BTEX (ppm) _____

Field headspace (ppm) 0.0 e3' nu 11/18/97

TPH 3,480 681 BLS

Ground Water Sample: Yes _____ No XX (If yes, attach sample results)

I HEREBY CERTIFY THAT INFORMATION ABOVE IS TRUE AND COMPLETE
TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 11

SIGNATURE

1-11-95
1/20/98 nu
BS Shaw

PRINTED NAME
AND TITLE

ENVIRONMENTAL
Coordinator

FINAL PIT CLOSURE SAMPLING REPORT

OPERATOR: AMOCO PRODUCTION COMPANY

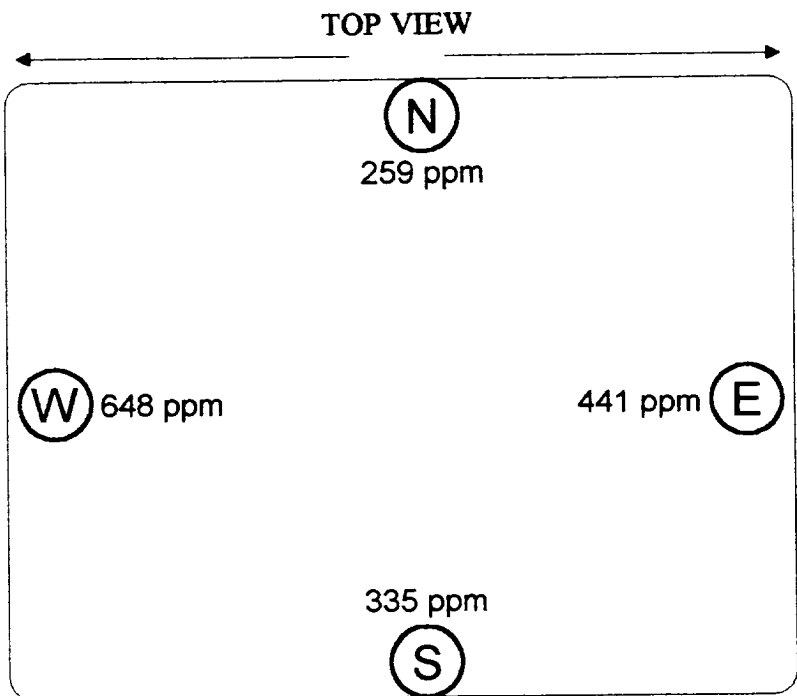
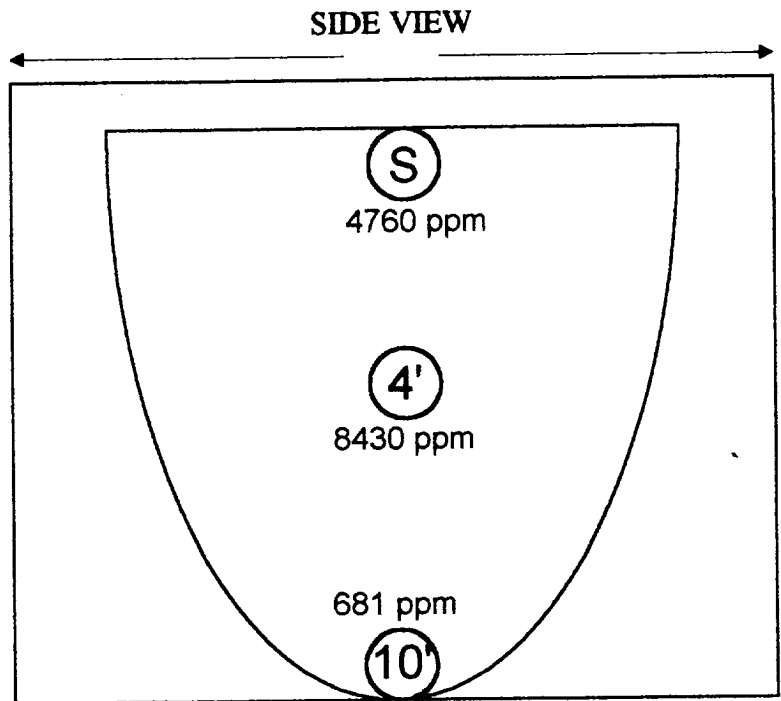
ADDRESS: 200 AMOCO COURT FARMINGTON, NM

WELL NAME
OR FACILITY: BELL FEDERAL GAS COM B #1E

PIT TYPE: BLOW PIT LEGALS: SE/SE SEC.10 T30N R13W

DEPTH	TPH/PPM
SURFACE	4760
4'	8430
8'	1990
10'	681
	0.0
3'	0.0

9/15



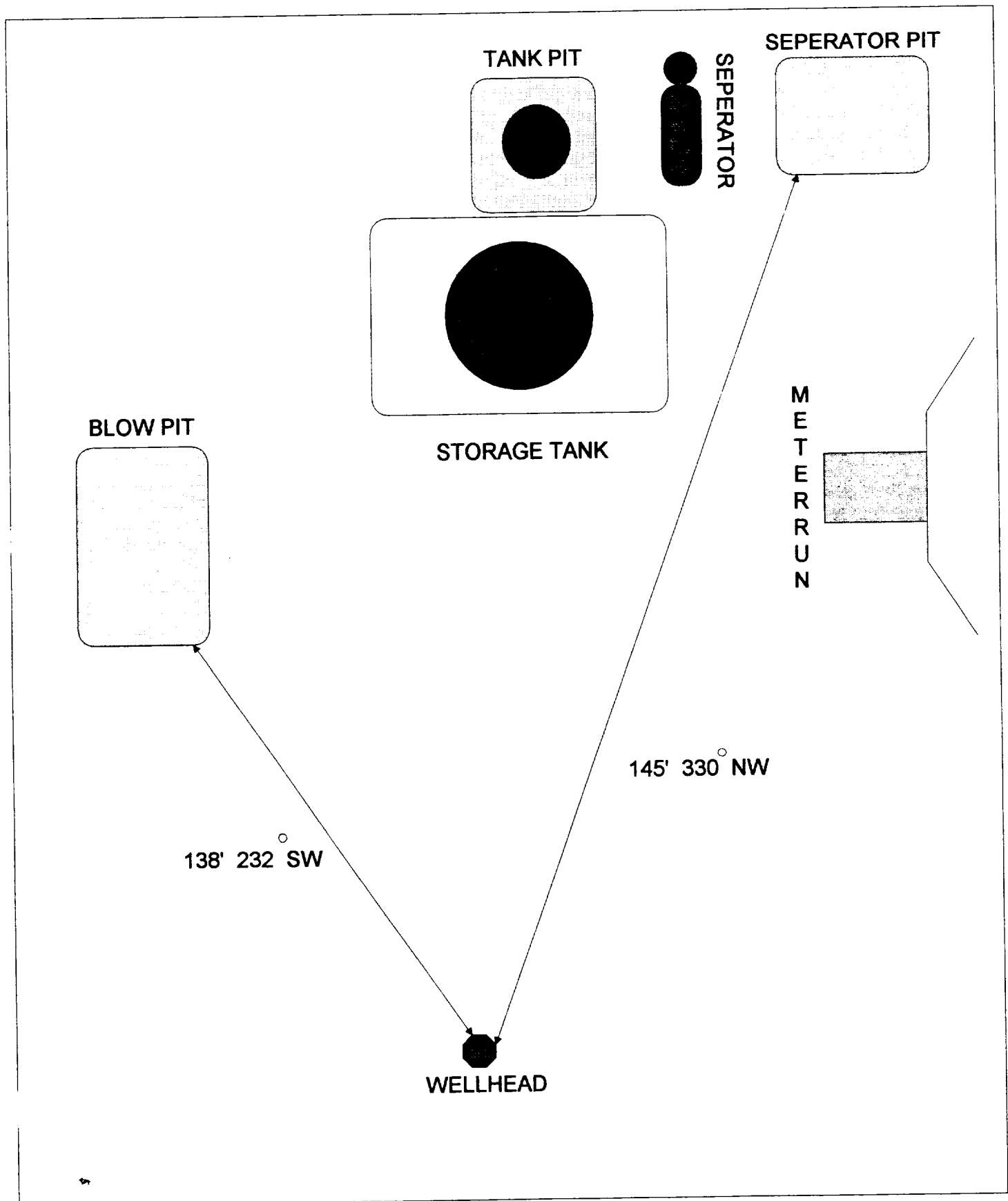
WALL	DEPTH	TPH
NORTH	8'	259
WEST	8'	648
SOUTH	8'	335
EAST	8'	441

THE HISTORY OF THE UNITED STATES

The history of the United States is a story of growth, struggle, and achievement. From the first settlers to the present day, the nation has faced countless challenges and overcome them through the courage and ingenuity of its people. The story begins with the early explorers and settlers who sought new lands and opportunities. They faced harsh conditions and dangers, but they persevered and built a new life in a new world. The story continues through the years of colonialism, the American Revolution, and the early years of the republic. It is a story of the founding of a new nation, of the struggle for independence, and of the establishment of a new government. The story is one of the triumph of the human spirit over adversity, of the power of the American dream, and of the enduring values of freedom, justice, and equality. The history of the United States is a story that inspires and motivates, a story that reminds us of our place in the world and the responsibilities we have to our fellow citizens. It is a story that we must all know and understand, for it is the story of our nation and of our future.

AMOCO PRODUCTION COMPANY

BELL FEDERAL GC B #1E



CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>WEE</u> C.D.C. NO: <u>5434</u>
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FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: <u>BELL FEDERAL GC B</u> WELL #: <u>1E</u> PITS: <u>BLW</u>	DATE STARTED: <u>11/18/97</u> DATE FINISHED: _____
QUAD/UNIT: <u>F</u> SEC: <u>11</u> TWP: <u>30N</u> RNG: <u>13W</u> PM: <u>NM</u> CNTY: <u>ST</u> ST: <u>NM</u>	ENVIRONMENTAL SPECIALIST: <u>NW/EP</u>
DTP/FOOTAGE: <u>SE/4</u> <u>NW/4</u> CONTRACTOR: <u>WHOLE EARTH</u>	

SOIL REMEDIATION:

REMEDICATION SYSTEM: DILUTION & AERATION

APPROX. CUBIC YARDAGE: 722

LAND USE: RANGE

LIFT DEPTH (ft): NA

FIELD NOTES & REMARKS:

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

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

BORING CONDUCTED @ PIT CENTER ACCORDING TO PIT CLOSURE RECORD, ENCOUNTERED COMPETENT SANDSTONE @ 3' BELOW GRADE, SOIL CONSISTED OF OK. YELL. BROWN SAND, NO DISCOLORATION OR HC ODOR OBSERVED WITHIN BORING OR @ ANY OF THE 4 HAND AUGER SAMPLING PTS (1'-2' DEPTHS BELOW GRADE), COLLECTED 5 PT. COMPOSITE FOR LAB ANALYSIS OF SUPPOSEDLY DILUTED & AERATED SOIL PLACED BACK INTO EXCAVATED AREA

FIELD 418.1 CALCULATIONS

SAMP. TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	ML. FREON	DILUTION	READING	CALC. ppm

SKETCH/SAMPLE LOCATIONS


SEE SITE MAP

OVM RESULTS

LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
DA-1	0.0	DA-1	TPH (8015)	1045	ND
(5) @ 3'	0.0				

SCALE

0  FT

TRAVEL NOTES:

CALLOUT: NA

ONSITE: 11/18/97

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

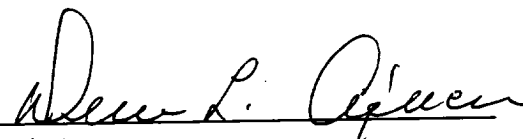
Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	DA - 1	Date Reported:	11-20-97
Laboratory Number:	C524	Date Sampled:	11-18-97
Chain of Custody No:	5434	Date Received:	11-19-97
Sample Matrix:	Soil	Date Extracted:	11-19-97
Preservative:	Cool	Date Analyzed:	11-19-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

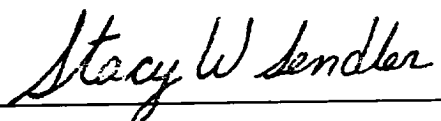
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Bell Federal GC B #1E Blow Pit. 5 Pt. Composite.**


Analyst


Review

District I
P.O. Box 1980, Hobbes, NM

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District III
1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resource Department

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

SUBMIT 1 COPY TO
APPROPRIATE
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AND 1 COPY TO
SANTA FE OFFICE
(Revised 3/9/94)

PIT REMEDIATION AND CLOSURE REPORT

Operator: <u>AMOCO PRODUCTION COMPANY</u>		Telephone: <u>(505) 326-9219</u>	
Address: <u>200 AMOCO COURT, FARMINGTON, NM 87401</u>			
Facility Or: <u>BELL FEDERAL GAS COM B #1E</u>			
Well Name _____			
Location: Unit or Qtr/Qtr Sec <u>SE/NW</u> Sec <u>11</u> T <u>30</u> R <u>13</u> County <u>SAN JUAN</u>			
Pit Type: Separator <u>XX</u> Dehydrator _____ Other _____			
Land Type: BLM <u>XX</u> State _____ Fee _____ Other _____			
Pit Location: Pit dimensions: Length <u>40</u> width <u>35</u> depth <u>20</u> (Attach diagram)			
Reference:		wellhead <u>X</u> Other _____	See Attached
Footage from reference:		<u>145'</u>	
Direction from reference:		<u>30</u> Degrees	_____ East North <u>X</u> of <u>X</u> 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): <u>0</u>			

Date Remediation Started: 05/19/94

Date Completed: 05/20/94

Remediation Method: Excavation XX Approx. cubic yards 1037

Landfarmed _____ Insitu Bioremediation _____

Other _____

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

General Description of Remediation Action: _____
CONTAMINATION WAS REMEDIATED BY DILUTION AND AERATION.

Ground Water Encountered: No X Yes _____ Depth _____

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

Sample location See Attached

Sample depth 20

Sample date 05/20/94 Sample time 08:00:00

Sample Results

Benzene (ppm) _____

Total BTEX (ppm) _____

Field headspace (ppm) 0.0 @ 5' 90 11/18/97

TPH 461-846 BAS

Ground Water Sample: Yes _____ No XX (If yes, attach sample results)

I HEREBY CERTIFY THAT INFORMATION ABOVE IS TRUE AND COMPLETE
TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 11-11-95 11/20/98 905

SIGNATURE

B. Shaw

PRINTED NAME
AND TITLE

Environmental
Coordinator

Environmental
Coordinator

FINAL PIT CLOSURE SAMPLING REPORT

OPERATOR: AMOCO PRODUCTION COMPANY

ADDRESS: 200 AMOCO COURT FARMINGTON, NM

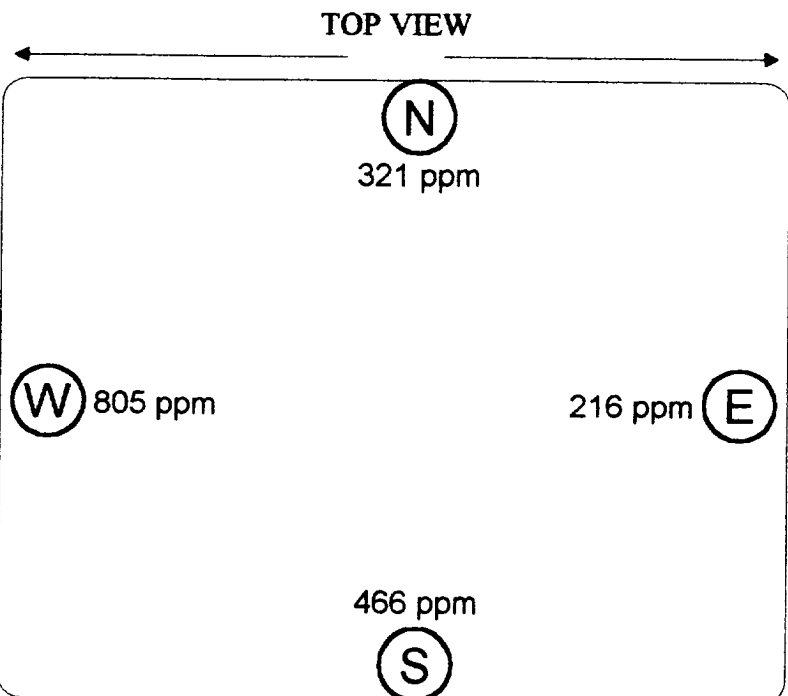
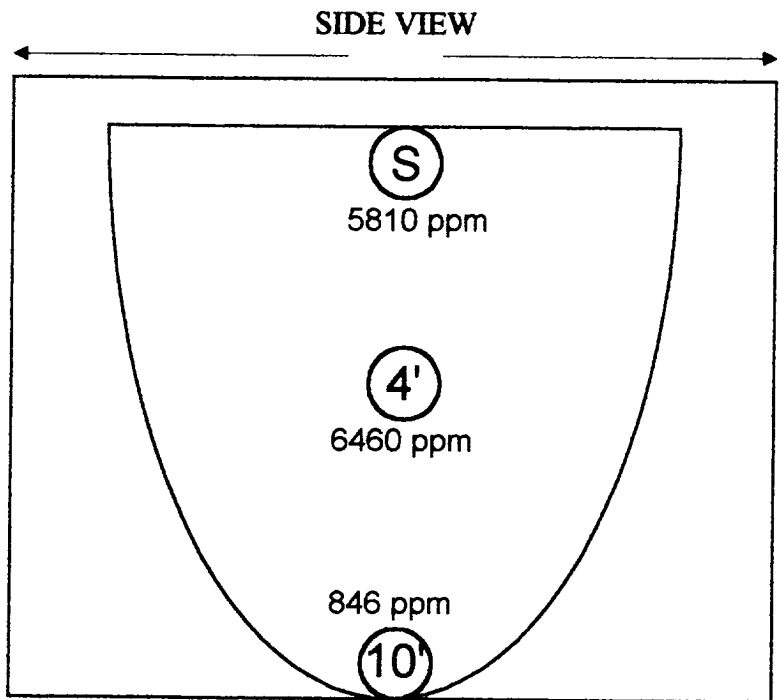
WELL NAME

OR FACILITY: BELL FEDERAL GAS COM B #1E

PIT TYPE: SEPERATOR

LEGALS: SE/SE SEC.10 T30N R13W

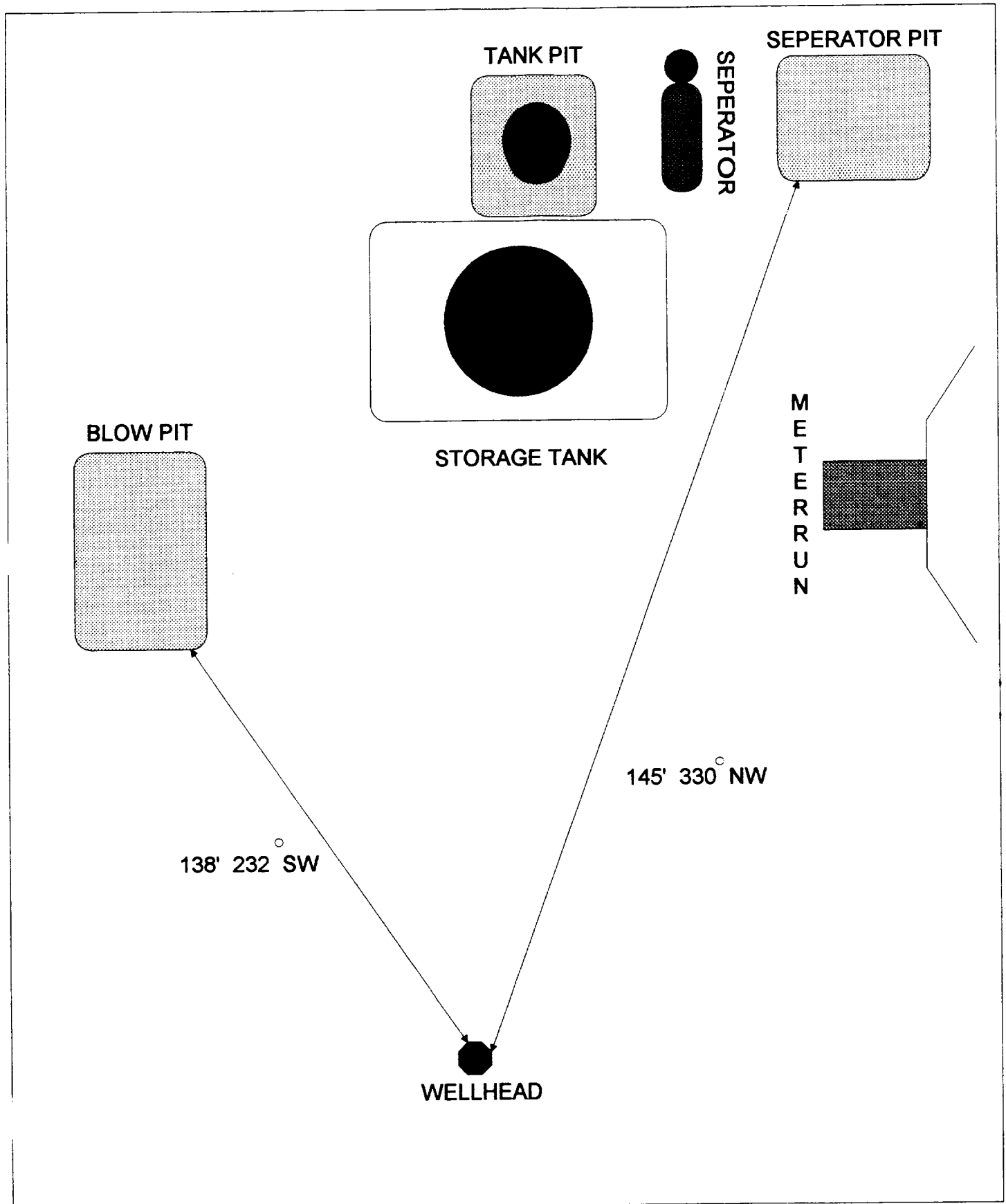
DEPTH	TPH/PPM
SURFACE	5810
4'	6460
8'	2210
10'	846
	0.0m
5'	0.0



WALL	DEPTH	TPH
NORTH	7'	321
WEST	7'	805
SOUTH	7'	466
EAST	7'	216

AMOCO PRODUCTION COMPANY

BELL FEDERAL GC B #1E



CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>WEE</u> C.O.C. NO: <u>5434</u>
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FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: <u>BELL FEDERAL GC</u> 8 WELL #: <u>1E</u> PITS: <u>SEP.</u> QUAD/UNIT: <u>F</u> SEC: <u>11</u> TWP: <u>30N</u> RNG: <u>13W</u> PM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u> QTP/FDOTAGE: <u>SE1/4 NW1/4</u> CONTRACTOR: <u>WHOLE EARTH</u>	DATE STARTED: <u>11/18/97</u> DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST: <u>W/EP</u>
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SOIL REMEDIATION:

REMEDIATION SYSTEM: DILUTION & AERATION
 LAND USE: RANGE

APPROX. CUBIC YARDAGE: 1,037
 LIFT DEPTH (ft): NA

FIELD NOTES & REMARKS:

DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'
 NMOC RANKING SCORE: 0 NMOC TPH CLOSURE STD: 5000 PPM
 CONDUCTED 2 BORINGS W/IN PIT AREA (ACCORDING TO PIT CLOSURE RECORD), ENCOUNTERED COMPETENT SANDSTONE @ 5' & 6' BELOW GRADE, SOIL MOSTLY DR. YELL. BROWN SAND, NO DISCOLORATION OR HC ODOR OBSERVED, COLLECTED 3 SAMPLE PTS. USING HAND AUGER IN PIT AREA (2-3' DEPTHS BELOW GRADE), COLLECTED 5 PT. COMPOSITE FOR LAB ANALYSIS OF SUPPOSEDLY DILUTED & AERATED SOIL, PLACED BACK INTO EXCAVATED AREA.

FIELD 418.1 CALCULATIONS

SAMP. TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm

SKETCH/SAMPLE LOCATIONS

SEE SITE MAP

OVM RESULTS

LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
DA-1	0.0	DA-1	TPH (8015)	1000	ND
Se 5'	0.0				

SCALE



0 FT

TRAVEL NOTES:

CALLOUT: NA

ONSITE: 11/18/97

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

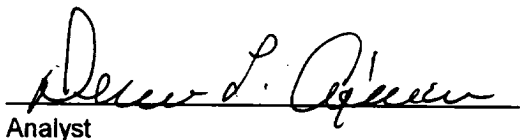
Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	DA - 1	Date Reported:	11-20-97
Laboratory Number:	C523	Date Sampled:	11-18-97
Chain of Custody No:	5434	Date Received:	11-19-97
Sample Matrix:	Soil	Date Extracted:	11-19-97
Preservative:	Cool	Date Analyzed:	11-19-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

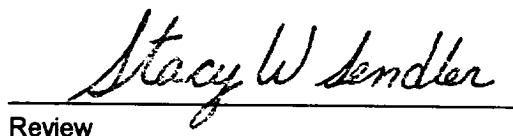
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Bell Federal GC B #1E Separator Pit. 5 Pt. Composite.**


Analyst


Review

CHAIN OF CUSTODY RECORD

Client/Project Name			Project Location			ANALYSIS/PARAMETERS									
Sampler: (Signature)			Chain of Custody Tape No.			Remarks									
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers										
DA-1	11/18/97	1000	C523	SOIL	1	✓							SEPARATOR PIT		
DA-1	11/18/97	1045	C524	SOIL	1	✓							BLOW PIT		
Sample received cool & intact													BOTH SAMPLES		
													RESERVED - COOL &		
													ARE 5 FT.		
													COMPOSITES		
Relinquished by: (Signature)			Date	Time	Received by: (Signature)					Date	Time				
Relinquished by: (Signature)			11/19/97	0805	Received by: (Signature)					11-19-97	0801				
Relinquished by: (Signature)					Received by: (Signature)										

Ref CXC'S 5431, 5433, 5434, 5435,
5436, 5437

ENVIROTECH INC.
5796 U.S. Highway 64-3014
Farmington, New Mexico 87401
(505) 682-0615