

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 - 0  
Sep - OK

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

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

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

District III  
1000 Rio Brazos Rd, Aztec, NM 87410

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#1</u>		
Well Name _____		
Location: Unit or Qtr/Qtr Sec <u>NE/NE A</u> Sec <u>11</u> T <u>30</u> R <u>13</u> County <u>SAN JUAN</u>		
Pit Type: Separator _____ Dehydrator _____ Other <u>BLOW DOWN</u>		
Land Type: BLM <u>XX</u> State _____ Fee _____ Other _____		
Pit Location: (Attach diagram)	Pit dimensions: Length <u>50</u> width <u>45</u> depth <u>10</u>	See Attached
Reference:	wellhead _____ Other _____	
Footage from reference:	_____	
Direction from reference:	_____ Degrees _____ East North _____ _____ 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>10</u> <u>0</u> <u>BLS</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>10</u> <u>0</u> <u>BLS</u>

Date Remediation Started: 05/20/94 Date Completed: 05/20/94  
Remediation Method: Excavation XX Approx. cubic yards 833

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 10

Sample date 05/20/94 Sample time 10:00:00

Sample Results

Benzene (ppm) \_\_\_\_\_

Total BTEX (ppm) \_\_\_\_\_

Field headspace (ppm) 0 e 10' 11/3/97 915

TPH 681 e 10' 5/20/94

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 11/20/98 915

SIGNATURE B. Shaw

PRINTED NAME  
AND TITLE

Environmental  
Coordinator

Environmental  
Coordinator

# FINAL PIT CLOSURE SAMPLING REPORT

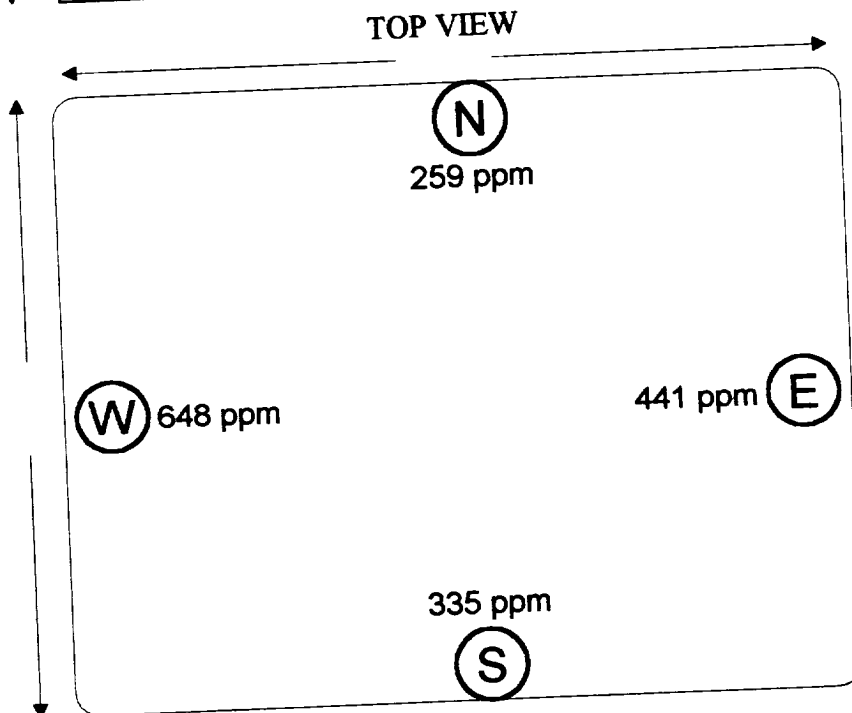
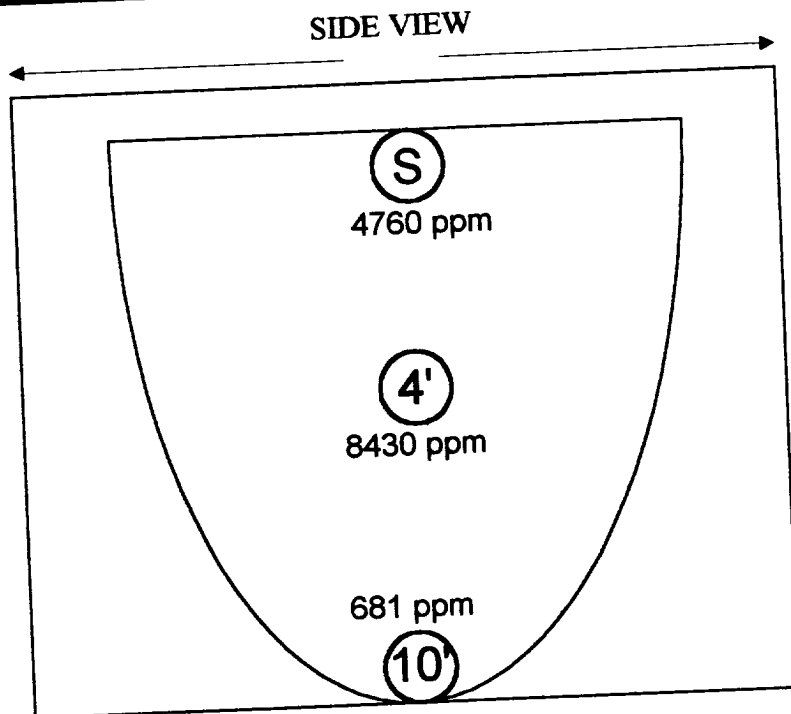
OPERATOR: AMOCO PRODUCTION COMPANY

ADDRESS: 200 AMOCO COURT FARMINGTON, NM

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

PIT TYPE: BLOW PIT      LEGALS: NE/NE SEC11 T30N R13W

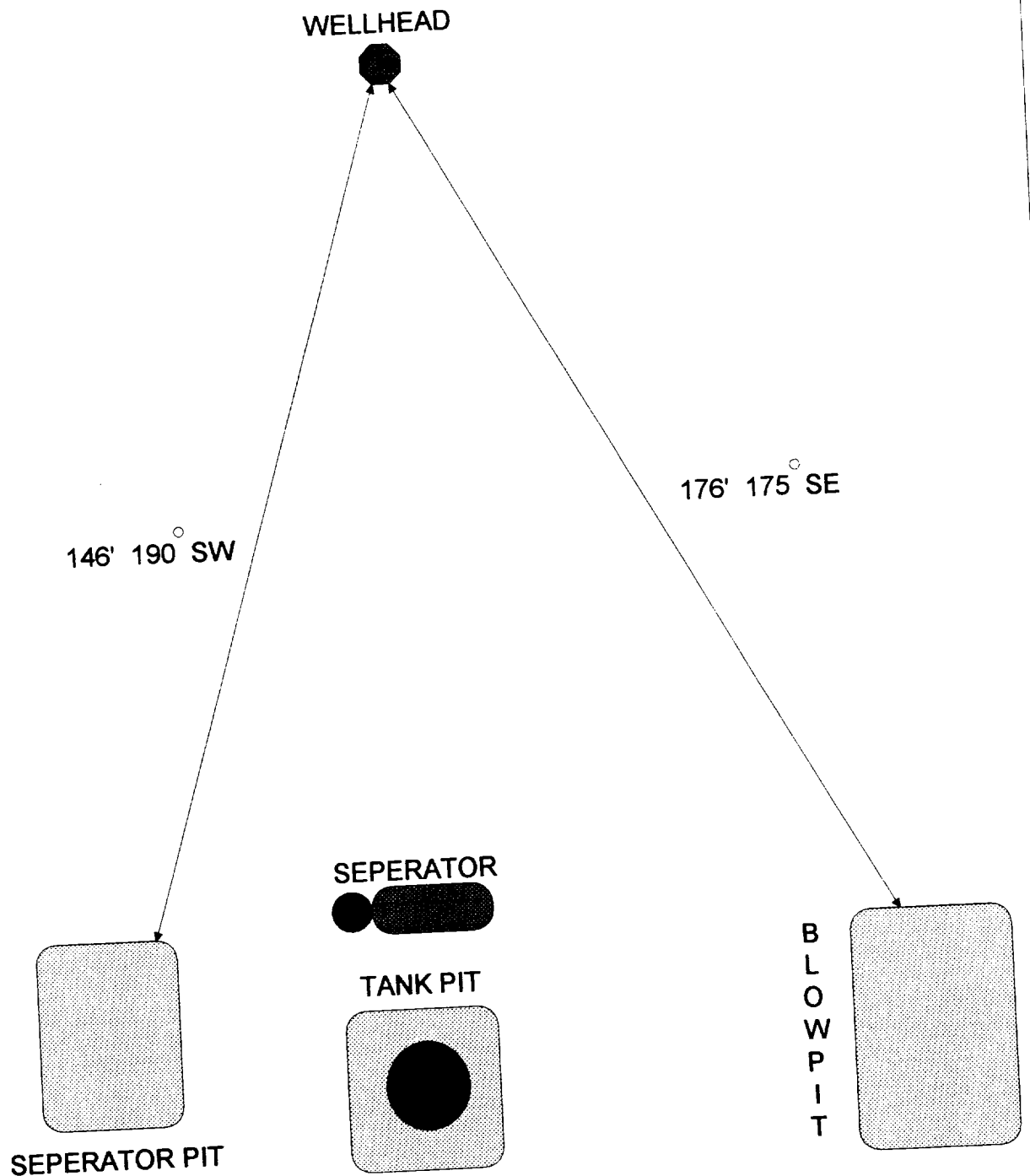
DEPTH	TPH/PPM
SURFACE	4760
4'	8430
8'	1990
10'	681
	0.0
10'	0.0



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

AMOCO PRODUCTION COMPANY

BELL FEDERAL GC B#1



CLIENT: AMOCOBLAGG ENGINEERING, INC.  
P.O. BOX 87, BLOOMFIELD, NM 87413  
(505) 632-1199LOCATION NO: WEEC.D.C. NO: 5429

## FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: BELL FEDERAL GC B WELL #: 1 PITS: BLOW  
QUAD/UNIT: A SEC: 11 TWP: 30N RNG: 13W PM: Nm CNTY: ST ST: NM  
DTP/FOOTAGE: NE 1/4 NE 1/4 CONTRACTOR: WHOLE EARTHDATE STARTED: 11/8/97

DATE FINISHED: \_\_\_\_\_

ENVIRONMENTAL  
SPECIALIST: NU/EP

SOIL REMEDIATION:

REMEDATION SYSTEM: DILUTED & AERATEDAPPROX. CUBIC YARDAGE: 833LAND USE: RANGELIFT DEPTH (ft): NA

## FIELD NOTES &amp; REMARKS:

DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'NMOC RANKING SCORE: 0 NMOC TPH CLOSURE STD: 5000 PPM

BORING CONDUCTED @ PIT CENTER ACCORDING TO PIT CLOSURE RECORD REACHED 10' DEPTH FROM GRADE, NO DISCOLORATION OR HC ODOR OBSERVED THROUGHOUT BORING, CONDUCTED 2 OTHER BORINGS @ 4' DEPTHS NEAR PIT AREA PERIMETERS (COLLECTED 2 SAMPLE PTS. FROM TOTAL DEPTHS OF BOTH BORINGS), COLLECTED 1 SAMPLE PT. USING HAND AUGER IN PIT AREA (2' DEPTH FROM GRADE), COLLECTED 5 PT. COMPOSITE FOR LAB ANALYSIS OF SUPPOSEDLY DILUTED & AERATED SOIL PLACED BACK INTO EXCAVATED AREA, SOIL MOSTLY DK. YELL. BROWN SAND.

## FIELD 418.1 CALCULATIONS

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

## SKETCH/SAMPLE LOCATIONS

PIT LOCATION  
176' SSE FR L.W.H.

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)	1110	ND
⑤ @ 10'	0.0				

SCALE



0

FT

TRAVEL NOTES:

CALLOUT: NAONSITE: 11/8/97

EPA METHOD 8015 Modified  
Nonhalogenated Volatile Organics  
Total Petroleum Hydrocarbons

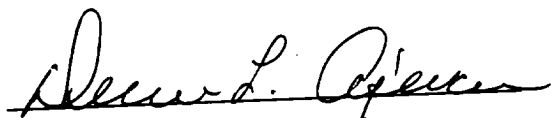
Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	DA - 1	Date Reported:	11-10-97
Laboratory Number:	C477	Date Sampled:	11-08-97
Chain of Custody No:	5429	Date Received:	11-10-97
Sample Matrix:	Soil	Date Extracted:	11-10-97
Preservative:	Cool	Date Analyzed:	11-10-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

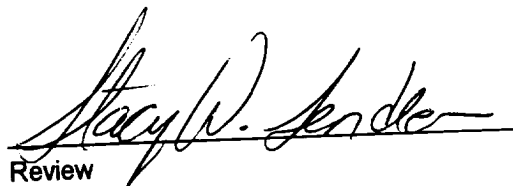
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste,  
SW-846, USEPA, July 1992.

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

  
Analyst

  
Review

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

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

**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 #1</u>		
Well Name _____		
Location: Unit or Qtr/Qtr Sec <u>NE/NE</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: (Attach diagram)	Pit dimensions: Length <u>21</u> width <u>17</u> depth <u>10</u>	See Attached
Reference:	wellhead <u>X</u> Other <u>176' 25</u>	
Footage from reference:	<u>4</u> Degrees	<u>X</u> East North _____ of _____ West South <u>X</u>
Direction from reference:		
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>10</u> <u>BSS</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>10</u> <u>BSS</u>



Date Remediation Started: 05/19/94

Date Completed: 05/20/94

Remediation Method:

Excavation

XX

Approx. cubic yards

132

Landfarmed

Insitu Bioremediation

Other

Remediation Location:

(ie. landfarmed onsite,  
name and location of  
offsite facility)

Onsite

XX

Offsite

General Description of Remediation Action:

CONTAMINATION WAS REMEDIATED BY DILUTION AND AERIATION.

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 10

Sample date 05/19/94

Sample time 04:00:00

Sample Results

Benzene (ppm)

Total BTEX (ppm)

Field headspace (ppm) 0.0 @ 7' 11/21/97

TPH 846 @ 10' 5/20/94

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

915

SIGNATURE

B. Shaw

PRINTED NAME  
AND TITLE

Environmental  
Coordinator

Date Remediation Started: 05/19/94 Date Completed: 05/20/94  
Remediation Method: Excavation XX Approx. cubic yards 132

Landfarmed \_\_\_\_\_ Insitu Bioremediation \_\_\_\_\_

Other \_\_\_\_\_

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

Onsite XX Offsite \_\_\_\_\_

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 10

Sample date 05/19/94 Sample time 04:00:00

Sample Results

Benzene (ppm) \_\_\_\_\_

Total BTEX (ppm) \_\_\_\_\_

Field headspace (ppm) 0.0 @ 7' 11/21/97 915

TPH 846 @ 10' 5/20/94

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 1/20/98 915

SIGNATURE

BJ Shaw

PRINTED NAME  
AND TITLE

Environmental  
Coordinator

# FINAL PIT CLOSURE SAMPLING REPORT

OPERATOR : AMOCO PRODUCTION COMPANY

ADDRESS : 200 AMOCO COURT FARMINGTON, NM

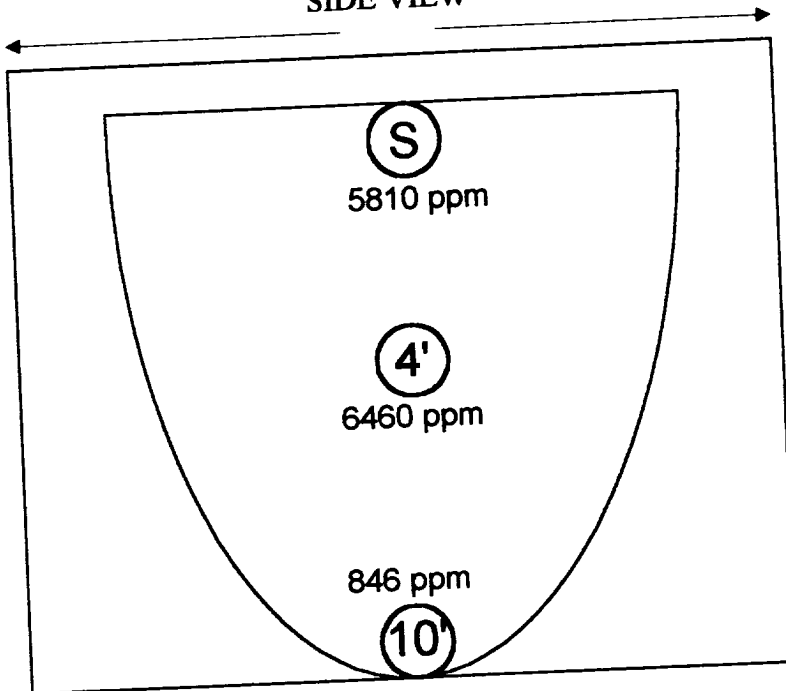
WELL NAME  
OR FACILITY : BELL FEDERAL GAS COM #B1

PIT TYPE : SEPERATOR LEGALS : NE/NE SEC11 T30N R13W

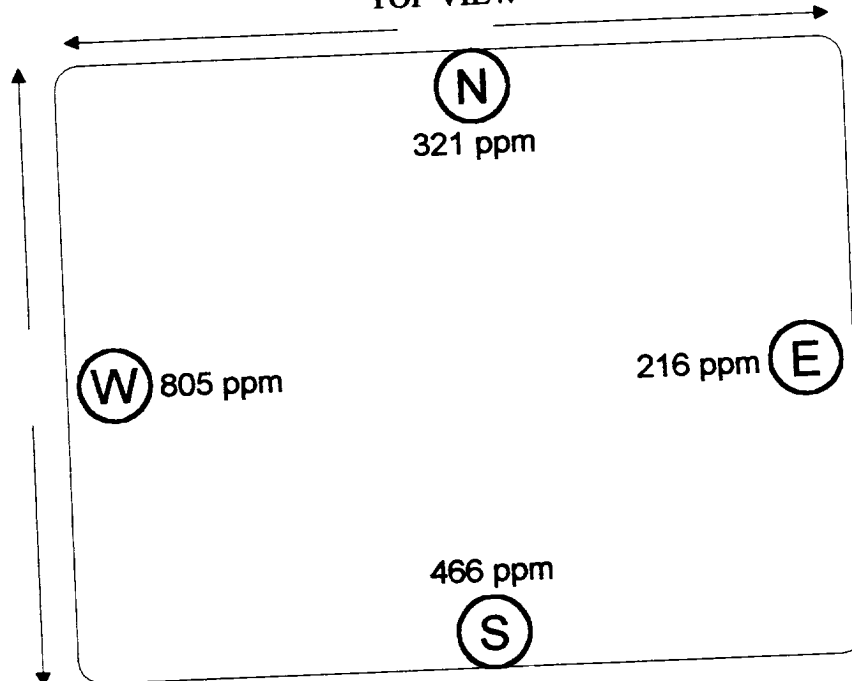
DEPTH	TPH/PPM
SURFACE	5810
4'	6460
8'	2210
10'	846
	0.0m
7'	0.0

92.5'

SIDE VIEW



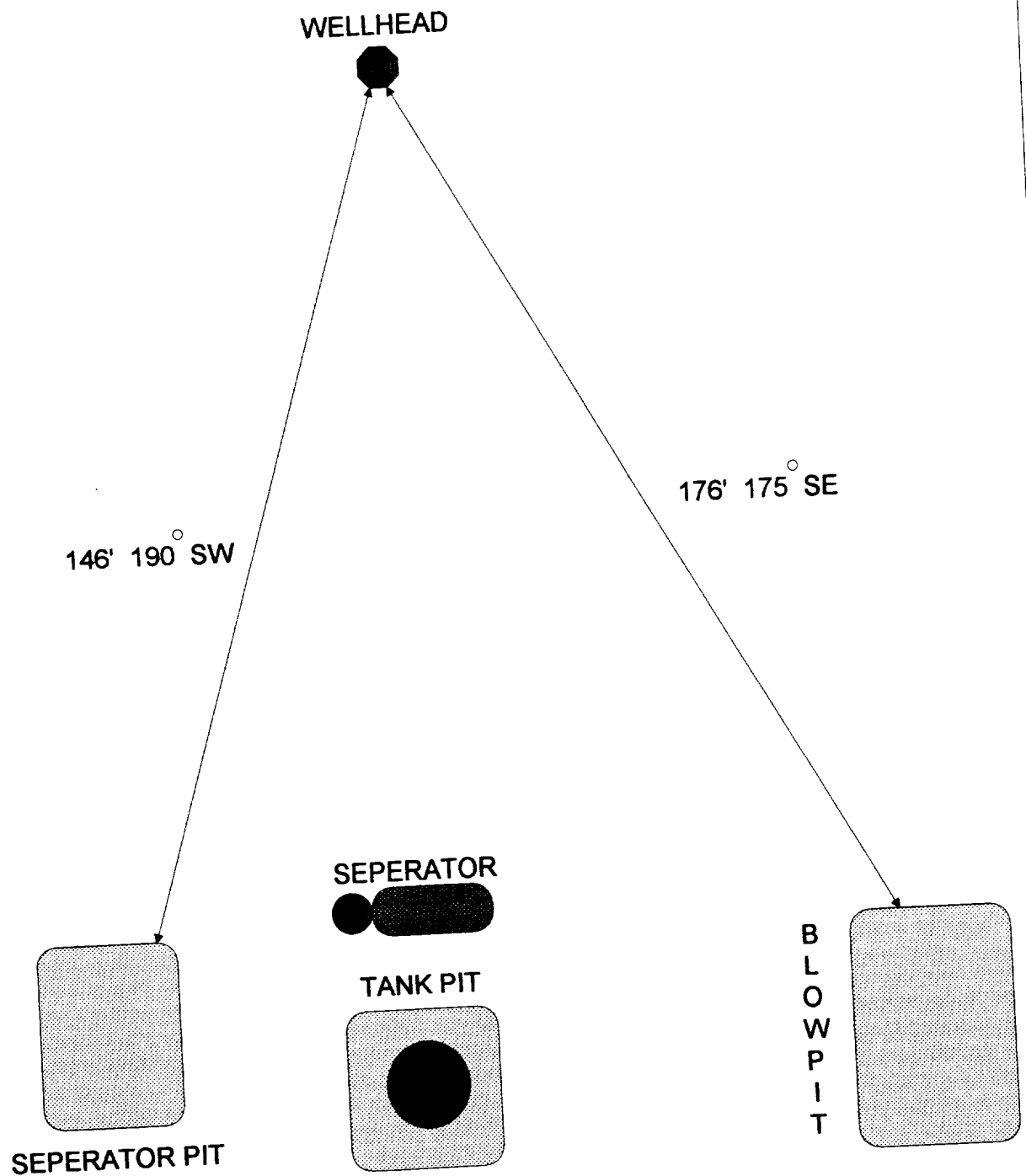
TOP VIEW



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

AMOCO PRODUCTION COMPANY

BELL FEDERAL GC B#1



CLIENT: AMOCOBLAGG ENGINEERING, INC.  
P.O. BOX 87, BLOOMFIELD, NM 87413  
(505) 632-1199LOCATION NO: WEE  
C.O.C. NO: 5578

## FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME BELL FED. GC B WELL #: 1 PITS: SEP  
QUAD/UNIT: A SEC: 11 TWP: 30N RNG: 13W PM: NM CNTY: SJ ST: NM  
DTP/FOOTAGE: NE 1/4 NE 1/4 CONTRACTOR: WHOLE EARTHDATE STARTED: 11/21/97  
DATE FINISHED: \_\_\_\_\_ENVIRONMENTAL  
SPECIALIST: NW/JCB

SOIL REMEDIATION:

REMEDICATION SYSTEM: DILUTION & AERATIONAPPROX. CUBIC YARDAGE: 132LAND USE: RANGELIFT DEPTH (ft): NA

## FIELD NOTES &amp; REMARKS:

DEPTH TO GROUNDWATER: 2100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5000 PPM

BORING CONDUCTED @ PIT CENTER ACCORDING TO PIT CLOSURE RECORD, ENCOUNTERED COMPETENT SANDSTONE @ 7' BELOW GRADE, SOIL MOSTLY OK. YELL. BROWN SAND, NO DISCOLORATION OR HC ODOR OBSERVED THROUGHOUT BORING, COLLECTED 2 SAMPLE PTS. FROM BORING @ 3' & 5' DEPTHS BELOW GRADE, COLLECTED 3 SAMPLE PTS. USING HAND AUGER IN PIT AREA (1' TO 2' DEPTHS BELOW GRADE), COLLECTED 5 PT. COMPOSITE FOR LAB ANALYSIS OF SUPPOSEDLY DILUTED & AERATED SOIL PLACED BACK INTO EXCAVATED AREA, UNABLE TO COLLECTED SUFFICIENT AMOUNT OF SOIL FROM BORING TOTAL DEPTH FOR OVM SAMPLE.

## 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

SAMPLE ID	FIELD HEADSPACE PID (ppm)
DA-1	0.0
⑤ e7'	0.0

## LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME	RESULTS
DA-1	TAH (8015)	1210	ND

SCALE



0

FT

TRAVEL NOTES:

CALLOUT: NAONSITE: 11/21/97

EPA METHOD 8015 Modified  
Nonhalogenated Volatile Organics  
Total Petroleum Hydrocarbons

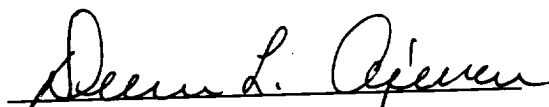
Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	DA - 1	Date Reported:	11-26-97
Laboratory Number:	C555	Date Sampled:	11-21-97
Chain of Custody No:	5578	Date Received:	11-24-97
Sample Matrix:	Soil	Date Extracted:	11-24-97
Preservative:	Cool	Date Analyzed:	11-25-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

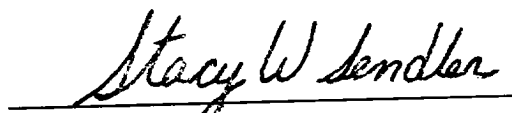
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

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 #1 Separator Pit. 5 Pt. Composite.

  
Analyst

  
Review

**ENVIROTECH INC.**  
5796 U.S. Highway 64-3014  
Farmington, New Mexico 87401  
(505) 632-0615

**(505) 632-0615**