

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 87508-2088

OIL CON. DIV.
DIST. 3

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

PIT REMEDIATION AND CLOSURE REPORT

Operator: AMOCO PRODUCTION COMPANY Telephone: (505) 326-9216
Address: 200 AMOCO COURT, FARMINGTON, NM 87401
Facility Or: BELL FEDERAL GAS CoM A#1
Well Name NW
Location: Unit or Qtr Qtr Sec NE f Sec 12 T 30 R 13 County SAN JUAN
Pit Type: Separator _____ Dehydrator _____ Other BLOW DOWN
Land Type: BLM XX State _____ Fee _____ Other COM. AGMT.

Pit Location: (Attach diagram) Pit dimensions: Length 45 width 45 depth 5
Reference: wellhead XX Other _____
Footage from reference: 195'
Direction from reference: 216° Degrees _____ East North _____
of
South 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: 05/11/94 Date Completed: 05/13/94
Remediation Method: Excavation XX Approx. cubic yards 375

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 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 5

Sample date 05/12/94 Sample time 11:00:00

Sample Results

Benzene (ppm) _____

Total BTEX (ppm) _____

Field headspace (ppm) 0.0 @ 3 1/2' 9/15 11/10/97

TPH 118 @ 4'

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 07/24/94

SIGNATURE Buddy Shaw

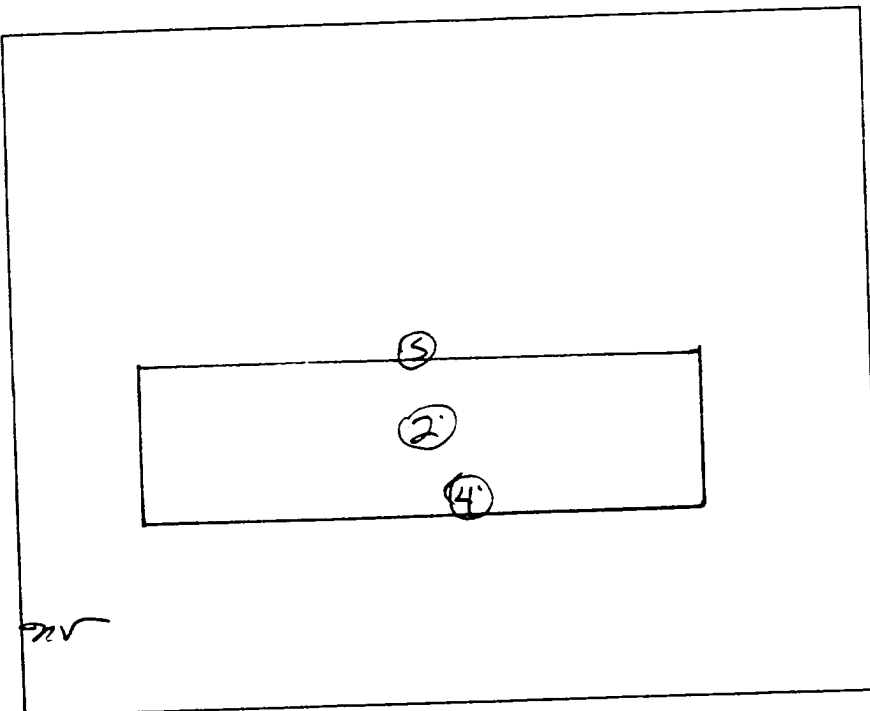
PRINTED NAME BUDDY SHAW E.C.
AND TITLE

FINAL PIT CLOSURE SAMPLING REPORT

Operator: AMOCO PRODUCTION COMPANY Telephone: (505) 326-9216
 Address: 200 AMOCO COURT, FARMINGTON, NM 87401
 Facility Or: BELL FEDERAL GAS UNIT A#1
 Well Name _____
 Location: Unit or Qtr Qtr Sec NE/NE Sec 12 T 50 R 13 County SAN JUAN

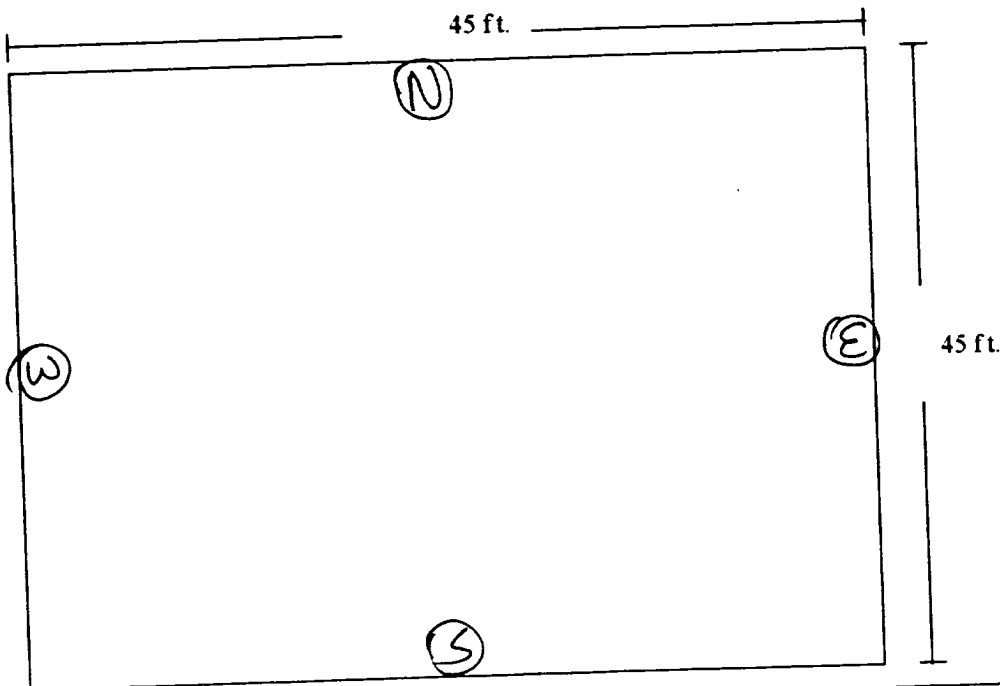
SIDE VIEW

Depth	TPH
Surface	188 ppm
2 ft.	127 ppm
4 ft.	118 ppm
6 ft.	ppm
8 ft.	ppm
10 ft.	ppm
12 ft.	ppm
14 ft.	ppm
16 ft.	ppm
18 ft.	ppm
20 ft.	ppm
5' ft.	39 ppm
3 1/2 ft.	0.0 ppm
ft.	ppm



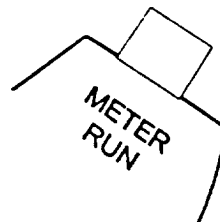
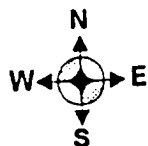
TOP VIEW

North Side	56 ppm
East Side	92 ppm
South Side	75 ppm
West Side	64 ppm



PIT LOCATION DIAGRAM

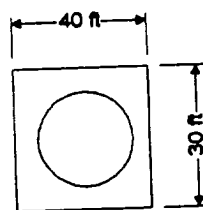
Operator: AMOCO PRODUCTION CO. Telephone: (505) 326-9219
Address: 200 AMOCO COURT, FARMINGTON, NM 87401
Well Name: BELL FEDERAL GAS UNIT A#1
Location: Unit or Qtr/Qtr Sec _____ Sec _____ T _____ R _____ County _____



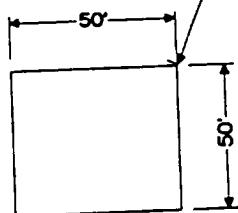
WELL HEAD

195'

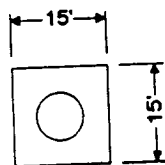
SEPARATOR
TANK PIT



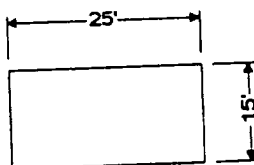
BLOWDOWN
PIT



BLOW TANK
PIT



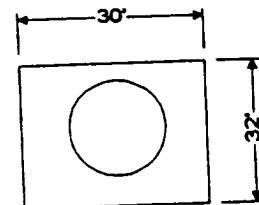
SEPARATOR
PIT



SEPARATOR



STORAGE
TANK



CLIENT: AMOCOBLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199LOCATION NO: WEEC.D.C. NO: 5430

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: BELL FEDERAL GC A WELL #: (PITS: BLWQUAD/UNIT: B SEC: 12 TWP: 30N RNG: 13W PM: NM CNTY: ST ST: NMQTR/FOOTAGE: NW/4 NE/4 CONTRACTOR: WHOLE EARTHDATE STARTED: 11/8/97

DATE FINISHED: _____

ENVIRONMENTAL SPECIALIST: NOV/JCB

SOIL REMEDIATION:

REMEDICATION SYSTEM: DILUTED & AERATEDAPPROX. CUBIC YARDAGE: 375LAND USE: RANGELIFT DEPTH (ft): NA

FIELD NOTES & REMARKS:

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

SAMPLED USING HAND AUGER ONLY, COMPETENT SANDSTONE ENCOUNTERED @ 3'-3 1/4' BELOW GRADE @ 3 DIFFERENT LOCATIONS WITHIN PIT AREA (ACCORDING TO PIT CLOSURE RECORD), SOIL MOSTLY OK. YELL. BROWN SAND, NO DISCOLORATION OR HC ODOR OBSERVED @ ANY OF THE BORINGS OR SAMPLING PTS. COLLECTED 5 PT. COMPOSITE FOR LAB ANALYSIS OF SUPPOSEDLY DILUTED & AERATED MATERIAL 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

PIT LOCATION
195' 536W F2/W.H.

OVM RESULTS

LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
DA-1	0.0	DA-1	TPH (8015)	1200	ND
⑤C3 1/2'	0.0				

SCALE



0 FT

TRAVEL NOTES:

CALLOUT: NAONSITE: 11/8/97

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

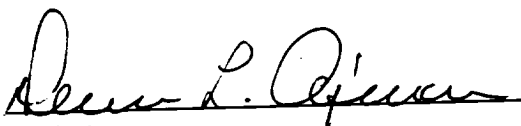
Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	DA - 1	Date Reported:	11-10-97
Laboratory Number:	C478	Date Sampled:	11-08-97
Chain of Custody No:	5430	Date Received:	11-10-97
Sample Matrix:	Soil	Date Extracted:	11-10-97
Preservative:	Cool	Date Analyzed:	11-10-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

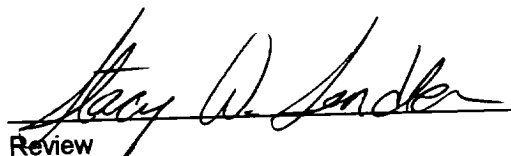
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

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 A #1 Blow Pit. 5 Pt. Composite.**


Analyst


Review

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

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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
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Santa Fe, New Mexico 87504-2088

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SANTA FE OFFICE
(Revised 3/9/94)

PIT REMEDIATION AND CLOSURE REPORT

Operator: <u>AMOCO PRODUCTION COMPANY</u>		Telephone: <u>(505) 326-9216</u>	
Address: <u>200 AMOCO COURT, FARMINGTON, NM 87401</u>			
Facility Or: <u>BELL FEDERAL GAS</u> ^{C2M} WELL A#1			
Well Name			
Location: Unit or Qtr Qtr Sec <u>NE/NE</u> Sec <u>12</u> T <u>30</u> R <u>13</u> County <u>SAN JUAN</u>			
Pit Type: Separator <u>XX</u> Dehydrator <u> </u> Other <u> </u>			
Land Type: BLM <u>XX</u> State <u> </u> Fee <u> </u> Other <u> </u>			
Pit Location: (Attach diagram)		Pit dimensions: Length <u>21</u> width <u>33</u> depth <u>12</u>	
Reference:		wellhead <u>XX</u> Other <u> </u>	
Footage from reference:		<u>158'</u>	
Direction from reference:		<u>160°</u> Degrees <u> </u> East North <u> </u> of <u> </u> West South <u>EAST</u>	
Depth To Ground Water: (Vertical Distance from contaminants to seasonal high water elevation of ground water)		Less than 50 feet 50 feet to 99 feet Greater than 100 feet	(20 points) (10 points) (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 No	(20 points) (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 200 feet to 1000 feet Greater than 1000 feet	(20 points) (10 points) (0 points) <u> 0 </u>
RANKING SCORE (TOTAL POINTS): <u> 0 </u>			

Date Remediation Started: 05/11/94 Date Completed: 05/13/94
Remediation Method: Excavation XX Approx. cubic yards 308

Landfarmed _____ Insitu Bioremediation _____

Other _____

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

General Description of Remediation Action: _____
CONTAMINATED SOIL WAS REMEDIATED BT 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 _____

Sample date 05/11/94

Sample time 11:00

Sample Results

Benzene (ppm) _____

Total BTEX (ppm) _____

Field headspace (ppm) 0.0 e 5' n5 11/20/97

TPH 300 e 6' n5

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 07/07/94 11/20/98 n5

SIGNATURE

Buddy Shaw

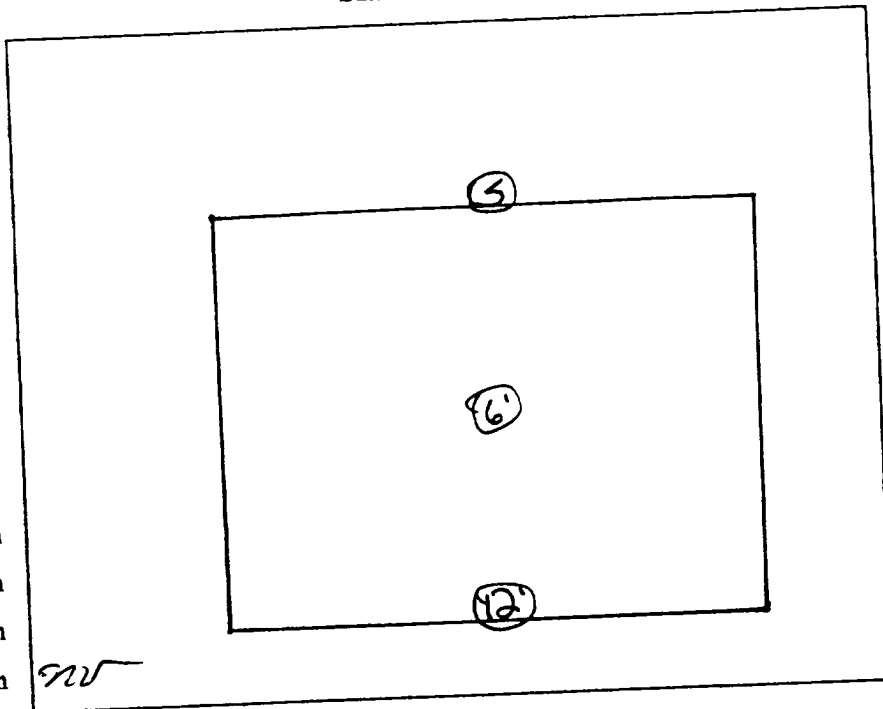
PRINTED NAME BUDDY SHAW EH&S
AND TITLE

FINAL PIT CLOSURE SAMPLING REPORT

Operator: AMOCO PRODUCTION COMPANY Telephone: (505) 326-9216
 Address: 200 AMOCO COURT, FARMINGTON, NM 87401
 Facility Or: BELL FEDERAL GAS UNIT A#1
 Well Name _____
 Location: Unit or Qtr/Qtr Sec NE/NE Sec 12 T 30 R 13 County SAN JUAN

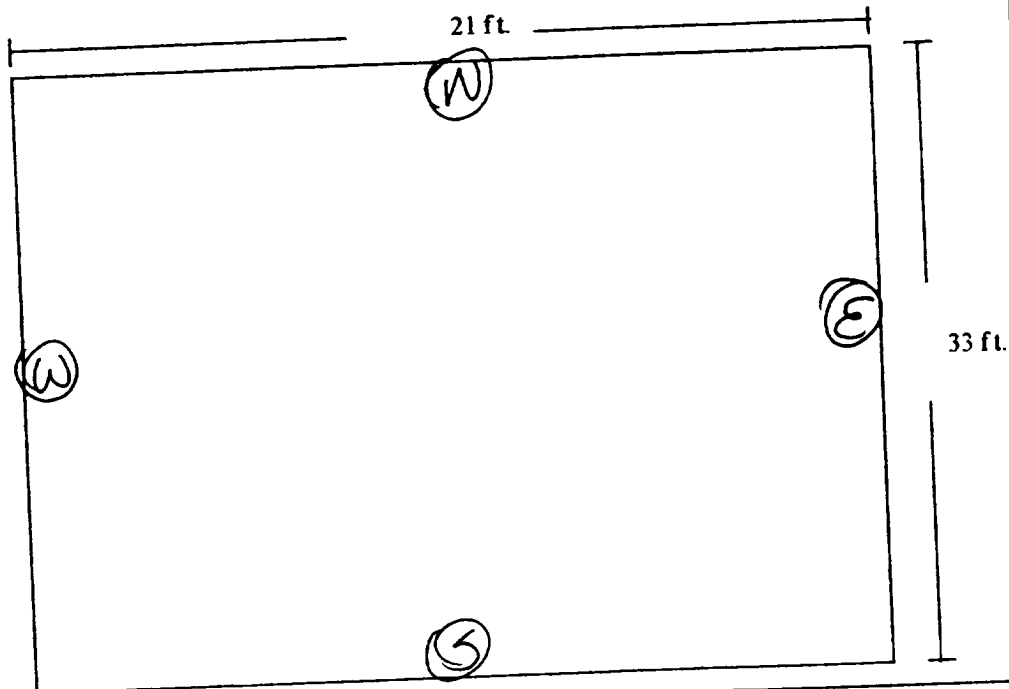
Depth	TPH
Surface	219 ppm
2 ft.	567 ppm
4 ft.	265 ppm
6 ft.	300 ppm
8 ft.	178 ppm
10 ft.	135 ppm
12 ft.	38 ppm
14 ft.	ppm
16 ft.	ppm
18 ft.	ppm
20 ft.	ppm
ft.	ppm
ft.	ppm
5 ft.	<u>0.0</u> = 0.0 ppm

SIDE VIEW



TOP VIEW

North Side	66 ppm
East Side	27 ppm
South Side	34 ppm
West Side	45 ppm



PIT LOCATION DIAGRAM

Operator: AMOCO PRODUCTION CO.

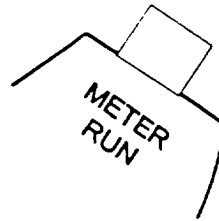
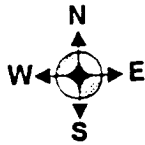
Telephone: (505) 326-9219

Address: 200 AMOCO COURT, FARMINGTON, NM 87401

Facility Or: BELL FEDERAL GAS UNIT A#1

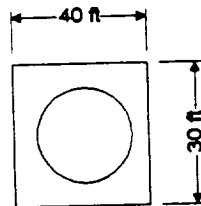
Well Name _____

Location: Unit or Qtr/Qtr Sec _____ Sec _____ T _____ R _____ County _____

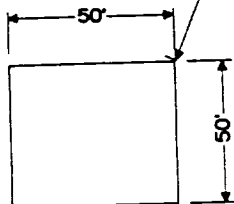


195'

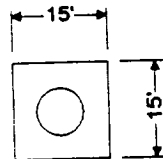
SEPARATOR
TANK PIT



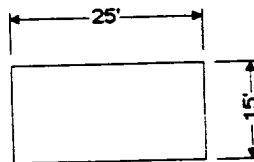
BLOWDOWN
PIT



BLOW TANK
PIT



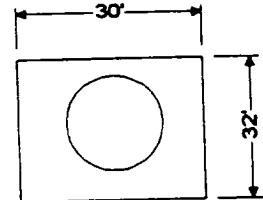
SEPARATOR
PIT



SEPARATOR



STORAGE
TANK



CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION: <u>WEE</u> C.D.C. NO: <u>5437</u>
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FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: <u>BELL FEDERAL GC A</u> WELL #: <u>1</u> PITS: <u>SEP</u>	DATE STARTED: <u>11/18/97</u> DATE FINISHED: <u></u>
QUAD/UNIT: <u>B</u> SEC: <u>12</u> TWP: <u>30N</u> RNG: <u>13W</u> PM: <u>NM</u> CNTY: <u>ST</u> ST: <u>NM</u>	ENVIRONMENTAL SPECIALIST: <u>NV/EP</u>
QTP/FOOTAGE: <u>NW/4</u> <u>DE/4</u> CONTRACTOR: <u>WHOLE EARTH</u>	

SOIL REMEDIATION:

REMEDICATION SYSTEM: DILUTED & AERATED APPROX. CUBIC YARDAGE: 308
LAND USE: RANGE LIFT DEPTH (ft): NA

FIELD NOTES & REMARKS:

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

SAMPLED USING HAND AUGER ONLY, COMPETENT SANDSTONE ENCOUNTERED @ 3' BELOW GRADE @ 4 DIFFERENT LOCATIONS WITH PIT AREA (ACCORDING TO PIT CLOSURE RECORD). SOIL MOSTLY OR. YELL. BROWN SAND, NO DISCOLORATION OR HC ODOR OBSERVED @ ANY OF THE BORINGS OR SAMPLING PTS. 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

PIT LOCATION
158' S20E FR. 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)	130	ND
DE3'	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
Sample ID: DA - 1
Laboratory Number: C528
Chain of Custody No: 5437
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

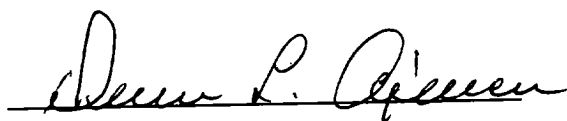
Project #: 04034-10
Date Reported: 11-20-97
Date Sampled: 11-18-97
Date Received: 11-19-97
Date Extracted: 11-19-97
Date Analyzed: 11-19-97
Analysis Requested: 8015 TPH

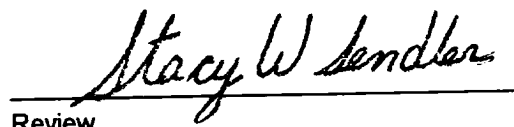
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

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 A #1 Separator Pit. 5 Pt. Composite.


Analyst


Review

CHAIN OF CUSTODY RECORD

Client/Project Name BUSE / Amoco			Project Location SENACTOR PIT			ANALYSIS/PARAMETERS					
Sampler: (Signature) <i>Michael Vel</i>			Chain of Custody Tape No. 04034-10								
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	Remarks					
DA-1	11/18/97	1310	CS28	SOIL	1						
<p style="text-align: center;">Sample received cool in heat</p>						TPH (8015)					
						RESERV. - COOL					
						5 AT. COMPOSITE					
Relinquished by: (Signature) <i>Michael Vel</i>			Date 11/19/97	Time 0805	Received by: (Signature) <i>R. Ojeda</i>			Date 11/19/97	Time 0805		
Relinquished by: (Signature)					Received by: (Signature)						
Relinquished by: (Signature)					Received by: (Signature)						

Rel. COCIS 5431, 5433, 5434, 5435, 5436, 5437, ENVIROTECH INC.

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

[illegible]