80799

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

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

Did not determine vertical extent
Not vulnerable area

PIT REMEDIATION AND CLOSURE REPORT

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

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility Or: Well Name: ELLIOTT EE B #13

Location: Unit or Qtr/Qtr Sec B Sec 34 T 30N R 9W County SAN JUAN

Pit Type: Separator ABANDONED ✓ Dehydrator ___ Other ___

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

Pit Location: (Attach diagram)

Pit dimensions: length 23', width 26', depth 12'

Reference: wellhead X, other ___

Footage from reference: 117'

Direction from reference: 71 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)	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) No (0 points)	0
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)	0
	RANKING SCORE (TOTAL POINTS):	0

80799 ABAN. SEP. PIT

Date Remediation Started: _____ **Date Completed:** 10/13/00

Remediation Method: (Check all appropriate sections) Excavation ✓ Approx. cubic yards 250

Landfarmed ___ Insitu Bioremediation ___

Other COMPOSTED

Remediation Location: (ie. landfarmed onsite, name and location of offsite facility) Onsite ___ Offsite NYE GC B #1E (E-7-29-9)

TRANSPORTED TO CROUCH MESA 3/01. NM

General Description Of Remedial Action:

Excavation. RISK ASSESSED.

Ground Water Encountered: No ✓ Yes ___ Depth _____

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

Sample location see Attached Documents

Sample depth 14' (PIT BOTTOM)

Sample date 10/11/00 Sample time 1420

Sample Results

Benzene(ppm) 0.117

Total BTEX(ppm) 13.410

Field headspace(ppm) 386

TPH 6,050 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 10/13/00

SIGNATURE B J Shaw

PRINTED NAME AND TITLE Buddy D. Shaw, Environmental Coordinator

CLIENT: AMOCO

BLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199

LOCATION NO: 80799
C.O.C. NO: 8245

FIELD REPORT: CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: ELLIOTT EE B WELL #: 13 PIT: ABAN. SEP
QUAD/UNIT: B SEC: 34 TWP: 30N RNG: 9W PM: NM CNTY: SJ ST: NM
QTR/FOOTAGE: 1113'N/1453'E NWNE CONTRACTOR: FLINT

DATE STARTED: 10/11/00
DATE FINISHED:
ENVIRONMENTAL SPECIALIST: NV

EXCAVATION APPROX. 23 FT. x 26 FT. x 12 FT. DEEP. CUBIC YARDAGE: 250
DISPOSAL FACILITY: NYE GC B IE (E-7-29-9) REMEDIATION METHOD: COMPOSTED
LAND USE: RANGE LEASE: SF 078139 FORMATION: PC

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 117 FT. S71E FROM WELLHEAD.
DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'
NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5000 PPM

CHECK ONE:
✓ PIT ABANDONED
___ STEEL TANK INSTALLED
___ FIBERGLASS TANK INSTALLED

OVM CALIB. READ. 50.5 ppm
TIME: 12:50 am/pm 10/11/00

SOIL AND EXCAVATION DESCRIPTION:

OK. YELL. ORANGE TO MOD. YELL. BROWN SAND, NON COHESIVE, SLIGHTLY MOIST (SIDEWALLS) TO MOIST (PIT BOTTOM) LOOSE TO FIRM, DISCOLORATION (LT. GRAY) OBSERVED ON ALL SIDEWALLS BETWEEN 8-10' BELOW GRADE, STRONG HC ODOR DETECTED IN PIT BOTTOM OVM SAMPLE ONLY.

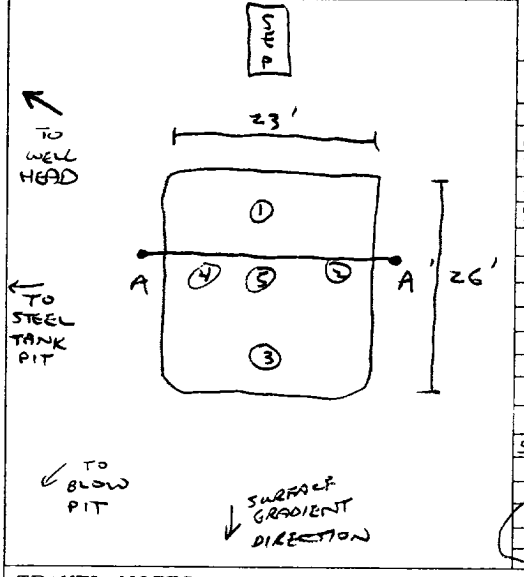
RISK ASSESSED

FIELD 418.1 CALCULATIONS

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

SCALE
0 FT

PIT PERIMETER



OVM RESULTS

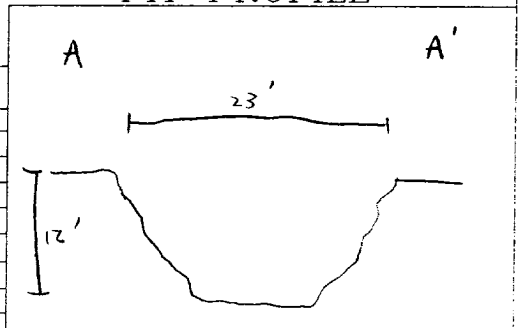
SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 8'	0.0
2 @ 8'	0.0
3 @ 7'	0.0
4 @ 8'	0.0
5 @ 14'	386

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
5 @ 14'	TPH (8015)	1420
"	BTEX (8021)	"

TPH - FAILED
BTEX - PASSED

PIT PROFILE



TRAVEL NOTES: CALLOUT: 10/11/00 - MORN. ONSITE: 10/11/00 - AFTER.

Well Name:	**Elliott EE B #13**
Well Site location:	Unit B, Sec. 34, T30N, R9W
Pit Type:	Abandoned Separator Pit
Producing Formation:	Pictured Cliffs
Pit Category:	Non Vulnerable
Horizontal Distance to Surface Water:	> 1000 ft.
Vicinity Groundwater Depth:	> 100 ft.

RISK ASSESSMENT (non-vulnerable area)

Pit remediation activities were terminated when backhoe reached practical extent at12 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 the pit bottom, in which only the total petroleum hydrocarbons (TPH) analysis (6,050 parts per million or ppm) failed regulatory standards (5,000 ppm).

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 0.07 miles north of the nearest vulnerable area boundary (tributary dry wash to the San Juan River).

(Refer to Turley Quadrangle, New Mexico - San Juan 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 TPH contamination is limited and impact to groundwater is very unlikely. BP AMOCO requests pit closure approval on this location.

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	Blagg / BP	Project #:	403410
Sample ID:	5 @ 14'	Date Reported:	10-13-00
Laboratory Number:	18336	Date Sampled:	10-11-00
Chain of Custody No:	8245	Date Received:	10-12-00
Sample Matrix:	Soil	Date Extracted:	10-13-00
Preservative:	Cool	Date Analyzed:	10-13-00
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	**4,030**	**0.2**
Diesel Range (C10 - C28)	**2,020**	**0.1**
Total Petroleum Hydrocarbons	**6,050**	**0.1**

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: **Elliott EE B #13 Abandoned Separator Pit.**

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP	Project #:	403410
Sample ID:	5 @ 14'	Date Reported:	10-13-00
Laboratory Number:	18336	Date Sampled:	10-11-00
Chain of Custody:	8245	Date Received:	10-12-00
Sample Matrix:	Soil	Date Analyzed:	10-13-00
Preservative:	Cool	Date Extracted:	10-13-00
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**117**	**1.8**
Toluene	**4,100**	**1.7**
Ethylbenzene	**1,900**	**1.5**
p,m-Xylene	**3,740**	**2.2**
o-Xylene	**3,550**	**1.0**
Total BTEX	**13,410**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	**100 %**
	Bromofluorobenzene	**100 %**

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Elliott EE B #13 Abandoned Separator Pit.**

Analyst

Review

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CHAIN OF CUSTODY RECORD

08245

Client / Project Name	Project Location	ANALYSIS / PARAMETERS
BLAGG/ BP	ELLIOTT EE B #13	
Sampler: NJV	Client No. 403410	

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	BTEX (8021)	TPH (8015)					Remarks
(5) @ 11'	10/11/00	1325	18335	SOIL	1	✓	✓					ABANDONED BLOW PIT
(5) @ 14'	10/11/00	1420	18336	SOIL	1	✓	✓					ABANDONED SEPARATOR PIT
												BOTH SAMPLES
												PRESERV. - COOL

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Thom Vaf	10/12/00	1319	Wendi L. Clemmons	10-12-00	1319
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

ENVIROTECH INC.

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

Sample Receipt	Y	N	N/A
Received Intact	✓		
Cool - Ice/Blue Ice	✓		