B0738

District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM 88211
trict 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

Risk
bedrock

MAY 2001

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 GC G #1A

Location: Unit or Qtr/Qtr Sec F Sec 33 T 30N R 9W County SAN JUAN

Pit Type: Separator ✓ Dehydrator ___ Other ___

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

Pit Location: (Attach diagram)
Pit dimensions: length 17', width 19', depth 10'
Reference: wellhead X, other ___
Footage from reference: 147'
Direction from reference: 8 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

B0738 SEP. PIT

Date Remediation Started: _____ **Date Completed:** 5/2/00

Remediation Method: (Check all appropriate sections) Excavation ✓ Approx. cubic yards 100

Landfarmed ___ Insitu Bioremediation ___

Other COMPOSTED

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

TRANSPORTED TO CROUCH MESA 3/01. NU

General Description Of Remedial Action:

Excavation, MOSTLY BEDROCK, THEREFORE NO TPH ANALYSIS WAS CONDUCTED. RISK ASSESSED - LATERALLY LIMITED. VERTICAL EXTENT ESTABLISHED.

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 6' (EAST SIDEWALL)

Sample date 5/2/00 Sample time 0850

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) 123.9

TPH NA

Ground Water Sample: Yes ___ No ✓ (If yes, attach sample results)

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

DATE 5/2/00

SIGNATURE BJ Shaw

PRINTED NAME AND TITLE Buddy D. Shaw Environmental Coordinator

CA 1408011688 3004522195

CLIENT: AMOCO

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

LOCATION NO: 80738
C.O.C. NO: _____

FIELD REPORT: CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: ELLIOTT GC 6 WELL #: 1A PIT: SEP
QUAD/UNIT: F SEC: 33 TWP: 30N RNG: 9W PM: NM CNTY: SJ ST: NM
QTR/FOOTAGE: 1780'N / 1670'W SE NW CONTRACTOR: P&S

DATE STARTED: 5/2/00
DATE FINISHED: _____
ENVIRONMENTAL SPECIALIST: NV

EXCAVATION APPROX. 17 FT. x 19 FT. x 10 FT. DEEP. CUBIC YARDAGE: 100
DISPOSAL FACILITY: NYE GC BME (E-7-29-9) REMEDIATION METHOD: COMPOSTED
LAND USE: RANGE LEASE: - FORMATION: MV

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 147 FT. N8E 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. 52.3 ppm
TIME: 8:15 (am)/pm 5/2/00

SOIL AND EXCAVATION DESCRIPTION:

MOSTLY MED. GRAY SHALE BEDROCK, VERY FRIABLE NEAR GROUND SURFACE TO VERY HARD @ PIT BOTTOM, HC ODOR DETECTED IN EAST SIDEWALL OVM SAMPLE ONLY ONE TO MAJORITY OF EXCAVATION BEING BEDROCK, NO TPH ANALYSIS WAS CONDUCTED.

MOSTLY BEDROCK

RISK ASSESSED

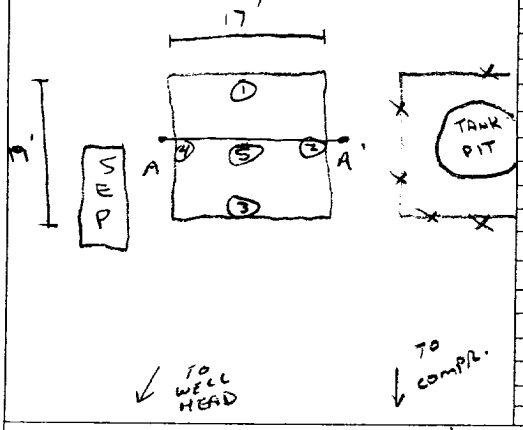
5h

SCALE
0 FT

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
0850							

PIT PERIMETER



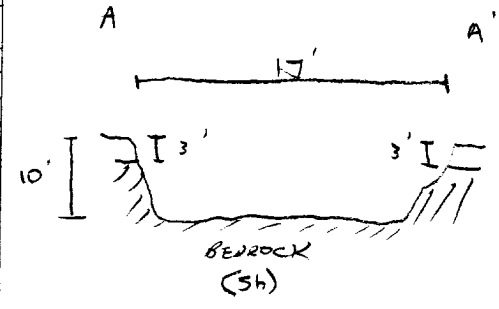
OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 5'	0.0
2 @ 6'	123.9
3 @ 5'	5.5
4 @ 6'	0.0
5 @ 10'	0.0

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME

PIT PROFILE



TRAVEL NOTES: CALLOUT: 4/28/00 - FRI. ONSITE: 5/2/00 - MON.

Well Name:	**Elliott GC G #1A**
Well Site location:	Unit F, Sec. 33, T30N, R9W
Pit Type:	Separator Pit
Producing Formation:	Mesa Verde
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 encountered competent shale at 10 feet below grade.

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 shallow shale bedrock.

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 0.40 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 lateral impact from the earthen pit is very limited and that the shale bottom creates enough of a impermeable barrier as to subdue impact to groundwater below it (please refer to BP AMOCO's (formerly Amoco Production Company) report "Post Excavation Pit Closure Investigation Summary, July, 1995", with cover letter dated November 30, 1995). BP AMOCO therefore request pit closure approval on this location.