

80813

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

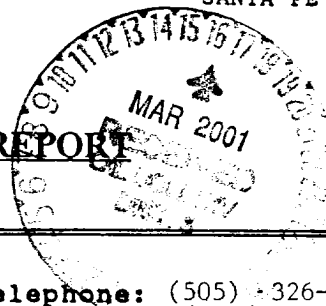
State of New Mexico
Energy, Minerals and Natural Resources Department

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

Risk
bedrock
9/12/01
OIL CONSERVATION DIVISION

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

PIT REMEDIATION AND CLOSURE REPORT



Operator: Amoco Production Company Telephone: (505) 326-9200
Address: 200 Amoco Court, Farmington, New Mexico 87401
Facility Or: SHAW GC #1
Well Name _____
Location: Unit or Qtr/Qtr Sec 8 Sec 14 T30N R9W County SAN JUAN
Pit Type: Separator ABANDONED Dehydrator ☒ Other _____
Land Type: BLM ☒, State _____, Fee _____, Other _____

Pit Location: Pit dimensions: length NA, width NA, depth NA
(Attach diagram) Reference: wellhead ☒, other _____
Footage from reference: 147'
Direction from reference: 25 Degrees East North ☒
of ☒ West South _____

Depth To Ground Water: Less than 50 feet (20 points)
(Vertical distance from 50 feet to 99 feet (10 points)
contaminants to seasonal Greater than 100 feet (0 Points) 0
high water elevation of
ground water)

Wellhead Protection Area: Yes (20 points) 0
(Less than 200 feet from a private No (0 points) _____
domestic water source, or; less than
1000 feet from all other water sources)

Distance To Surface Water: Less than 200 feet (20 points)
(Horizontal distance to perennial 200 feet to 1000 feet (10 points) 0
lakes, ponds, rivers, streams, creeks, Greater than 1000 feet (0 points) _____
irrigation canals and ditches)

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: _____ Date Completed: 11/21/00

Remediation Method: Excavation ☒ Approx. cubic yards NA
(Check all appropriate sections) Landfarmed _____ Insitu Bioremediation _____

Other CLOSE AS IS (BEDROCK IMMEDIATELY BELOW PIT DEPRESSION)

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

General Description Of Remedial Action: _____

Excavation BEDROCK BOTTOM. RISK ASSESSED. SAMPLE COLLECTED

FROM BEDROCK, THEREFORE NO TPH ANALYSIS WAS CONDUCTED.

Ground Water Encountered: No ☒ Yes _____ Depth _____

Final Pit: Sample location see Attached Documents

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

Sample depth 3' (TEST HOLE BOTTOM)

Sample date 11/21/00 Sample time 6905

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) 210.7

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 OF MY KNOWLEDGE AND BELIEF

DATE 11/21/00

SIGNATURE B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
ENVIRONMENTAL COORDINATOR

3004509526

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80813</u> C.D.C. NO: _____																																
FIELD REPORT: CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>																																
LOCATION: NAME: <u>SHAW GC</u> WELL #: <u>1</u> PIT/ABAND. <u>DEHY.</u>		DATE STARTED: <u>11/21/00</u>																																
QUAD/UNIT: <u>B SEC. 14 TWP 30N RNG. 9W</u> PM: <u>NM</u> CNTY: <u>ST</u> ST: <u>NM</u>		DATE FINISHED: _____																																
QTR/FOOTAGE: <u>1105'N/1650'E</u> NAME CONTRACTOR: <u>FUNT</u>		ENVIRONMENTAL SPECIALIST: <u>NV</u>																																
EXCAVATION APPROX. <u>NA</u> FT. x <u>NA</u> FT. x <u>NA</u> FT. DEEP. CUBIC YARDAGE <u>NA</u>																																		
DISPOSAL FACILITY: <u>ON-SITE</u> REMEDIATION METHOD: <u>CLOSE AS IS</u>																																		
LAND USE: <u>RANGE</u> LEASE: <u>1408001532</u> FORMATION: <u>MV</u>																																		
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>147</u> FT. <u>N25W</u> FROM WELL-HEAD																																		
DEPTH TO GROUNDWATER: <u>2100'</u> NEAREST WATER SOURCE: <u>21000'</u> NEAREST SURFACE WATER: <u>21000'</u>																																		
NMOC D RANKING SCORE: <u>0</u> NMOC D TPH CLOSURE STD: <u>5000</u> PPM																																		
<div style="display: flex; justify-content: space-between;"> <div> SOIL AND EXCAVATION DESCRIPTION: </div> <div> <input checked="" type="checkbox"/> CHECK ONE <input checked="" type="checkbox"/> PIT ABANDONED <input type="checkbox"/> STEEL TANK INSTALLED <input type="checkbox"/> FIBERGLASS TANK INSTALLED </div> </div>																																		
OVM CALIB. READ. <u>53.4</u> ppm TIME: <u>1000</u> <u>am</u> / <u>11/20/00</u>																																		
<p>SAMPLE COLLECTED FROM BEDROCK, THEREFORE NO TPH ANALYSIS WAS CONDUCTED, PK. YEL. ORANGE TO MOD. YEL. BROWN BEDROCK (SANDSTONE), VERY HARD, NO OBVIOUS STAINING OBSERVED, HC ODDOR DETECTED IN OVM SAMPLE.</p> <p style="text-align: center; border: 1px solid black; padding: 5px;">BEDROCK IMMEDIATELY BELOW PIT DEPRESSION</p> <div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px; margin-right: 10px;">BEDROCK BOTTOM</div> <div style="border: 1px solid black; border-radius: 50%; padding: 5px;">RISK ASSESSED</div> </div> <div style="display: flex; align-items: center;"> <div style="margin-right: 20px;"> (55) SCALE 0 FT </div> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <caption>FIELD 418.1 CALCULATIONS</caption> <thead> <tr> <th>TIME</th> <th>SAMPLE I.D.</th> <th>LAB No:</th> <th>WEIGHT (g)</th> <th>mL. FREON</th> <th>DILUTION</th> <th>READING</th> <th>CALC. ppm</th> </tr> </thead> <tbody> <tr><td>0905</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table> </div>			TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm	0905																							
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PIT PERIMETER 		PIT PROFILE <div style="border: 1px solid black; padding: 10px; height: 150px; text-align: center; vertical-align: middle;">NOT APPLICABLE</div>																																
OVM RESULTS <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>SAMPLE ID</th> <th>FIELD HEADSPACE PID (ppm)</th> </tr> </thead> <tbody> <tr><td>1 @ 3'</td><td>210.7</td></tr> <tr><td>2 @</td><td></td></tr> <tr><td>3 @</td><td></td></tr> <tr><td>4 @</td><td></td></tr> <tr><td>5 @</td><td></td></tr> </tbody> </table>		SAMPLE ID	FIELD HEADSPACE PID (ppm)	1 @ 3'	210.7	2 @		3 @		4 @		5 @		LAB SAMPLES <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>SAMPLE ID</th> <th>ANALYSIS</th> <th>TIME</th> </tr> </thead> <tbody> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> </tbody> </table>	SAMPLE ID	ANALYSIS	TIME																	
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TRAVEL NOTES: CALLOUT: <u>11/26/00 - AFTER</u> ONSITE: <u>11/21/00 - MORN.</u>																																		

Well Name:	Shaw GC #1
Well Site location:	Unit B, Sec. 14, T30N, R9W
Pit Type:	Dehydrator 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 trackhoe encountered competent sandstone at 3 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 sandstone 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 0.54 miles southwest of the nearest vulnerable area boundary (Pump Canyon wash).

(Refer to Archuleta 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 sandstone bottom creates enough of a impermeable barrier as to subdue impact to groundwater below it (please refer to AMOCO's 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.