

B0806

District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM 88211
District III
100 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department
outside
valhalla
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

PIT REMEDIATION AND CLOSURE REPORT

Operator: Amoco Production Company Telephone: (505) - 326-9200
Address: 200 Amoco Court, Farmington, New Mexico 87401
Facility Or: FLORENCE M #47A
Well Name _____
Location: Unit or Qtr/Qtr Sec J Sec 5 T 30N R 9W County SAN JUAN
Pit Type: Separator ___ Dehydrator ___ Other ABANDONED Blow
Land Type: BLM ☒, State ___, Fee ___, Other _____

Pit Location: Pit dimensions: length 30', width 36', depth 36'
(Attach diagram) Reference: wellhead ☒, other _____
Footage from reference: 114'
Direction from reference: 65 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

Date Remediation Started: _____ Date Completed: 11/3/00

Remediation Method: Excavation ☒ Approx. cubic yards 1,440
 (Check all appropriate sections) Landfarmed _____ Insitu Bioremediation _____
 Other COMPOSTED / STOCKPILED

Remediation Location: Onsite _____ Offsite NYE GC 8 #1E (E-7-29-9)
 (ie. landfarmed onsite, name and location of offsite facility) TRANSPORTED TO CROWH MESA 3/01. ^{9V}

General Description Of Remedial Action: _____
Excavation. Risk ASSESSED.

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 36' (PIT BOTTOM)
 Sample date 11/2/00 Sample time 1323
 Sample Results

Benzene (ppm) 1.045Total BTEX (ppm) 6.180Field headspace (ppm) 235TPH 6,870 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 11/3/00
 SIGNATURE B. Shaw PRINTED NAME AND TITLE Buddy D. Shaw
ENVIRONMENTAL COORDINATOR

3004522021

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80806</u> C.D.C. NO: <u>9361</u>																																
FIELD REPORT: CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>																																
LOCATION: NAME: <u>FLORANCE M</u> WELL #: <u>47A</u> PIT: <u>ABAND. 80W</u>		DATE STARTED <u>11-1-00</u>																																
QUAD/UNIT <u>J</u> SEC: <u>5</u> TWP: <u>30N</u> RNG: <u>9W</u> PM: <u>NM</u> CNTY: <u>ST</u> ST: <u>NM</u>		DATE FINISHED: _____																																
QTR/FOOTAGE: <u>150S5/1820E</u> NWSE CONTRACTOR: <u>PAUL & SON</u>		ENVIRONMENTAL SPECIALIST: <u>JCR</u>																																
EXCAVATION APPROX. <u>30'</u> FT. x <u>36'</u> FT. x <u>36'</u> FT. DEEP. CUBIC YARDAGE <u>1,440</u>																																		
DISPOSAL FACILITY: <u>NYE GC BIE (E-7-29-9)</u> REMEDIATION METHOD: <u>COMPOST/SP</u>																																		
LAND USE: <u>BLM</u> LEASE: <u>FED 82-078316</u> FORMATION: <u>MU</u>																																		
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>114</u> FT. <u>N65°E</u> FROM WELL-HEAD																																		
DEPTH TO GROUNDWATER: <u>>100</u> NEAREST WATER SOURCE: <u>>1000</u> NEAREST SURFACE WATER: <u>>1000</u>																																		
NMDCD RANKING SCORE: <u>0</u> NMDCD TPH CLOSURE STD: <u>5000</u> PPM		CHECK ONE <input checked="" type="checkbox"/> PIT ABANDONED <input type="checkbox"/> STEEL TANK INSTALLED <input type="checkbox"/> FIBERGLASS TANK INSTALLED																																
SOIL AND EXCAVATION DESCRIPTION:		OVM CALIB. READ. <u>131.1</u> ppm TIME: <u>1130</u> am/pm																																
<p>PIT SOILS ARE LIGHT YELLOW ORANGE SILT/SAND MIX FROM SURFACE TO TD. BLACK CONTAMINATION @ PIT BOTTOM, E SIDE & S SIDE, WITH STRONG HC ODOR. SAMPLE JET BLACK COLOR. NOT SATURATED.</p>																																		
<div style="border: 1px solid black; border-radius: 15px; padding: 5px; display: inline-block;">RISK ASSESSED</div>																																		
FIELD 418.1 CALCULATIONS																																		
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<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>SCALE</p> <div style="width: 20px; height: 10px; background-color: black; margin-bottom: 5px;"></div> <p>0 FT</p> <p>PIT PERIMETER</p> </div> <div style="width: 45%;"> <p>OVM RESULTS</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>SAMPLE ID</th> <th>FIELD HEADSPACE PID (ppm)</th> </tr> </thead> <tbody> <tr><td>1 @ C@36'</td><td>235</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> <p style="text-align: center;">A</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>SAMPLE ID</th> <th>ANALYSIS</th> <th>TIME</th> </tr> </thead> <tbody> <tr><td>C@36'</td><td>8015/8021</td><td>1323</td></tr> <tr><td colspan="3">BTEX PASSED</td></tr> <tr><td colspan="3">TPH FAILED</td></tr> </tbody> </table> </div> </div> <div style="width: 45%;"> <p>PIT PROFILE</p> </div>			SAMPLE ID	FIELD HEADSPACE PID (ppm)	1 @ C@36'	235	2 @		3 @		4 @		5 @		SAMPLE ID	ANALYSIS	TIME	C@36'	8015/8021	1323	BTEX PASSED			TPH FAILED										
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Well Name:

Well Site location:

Pit Type:

Producing Formation:

Pit Category:

Horizontal Distance to Surface Water:

Vicinity Groundwater Depth:

Florance M #47A

Unit J, Sec. 5, T30N, R9W

Abandoned Blow Pit

Mesa Verde

Non Vulnerable

> 1000 ft.

> 100 ft.

RISK ASSESSMENT (non-vulnerable area)

Pit remediation activities were terminated when trackhoe reached practical extent at 36 ft. below grade and for safety concerns.

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 (6,870 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 0.13 miles southwest of the nearest vulnerable area boundary (Crow Canyon wash).

(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

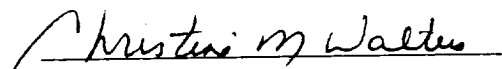
Client:	Blagg / BP AMOCO	Project #:	403410
Sample ID:	C @ 36'	Date Reported:	11-03-00
Laboratory Number:	18491	Date Sampled:	11-02-00
Chain of Custody No:	8361	Date Received:	11-03-00
Sample Matrix:	Soil	Date Extracted:	11-03-00
Preservative:	Cool	Date Analyzed:	11-03-00
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	6,438	0.2
Diesel Range (C10 - C28)	432	0.1
Total Petroleum Hydrocarbons	6,870	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: **Florance "M" #47A.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP AMOCO	Project #:	403410
Sample ID:	C @ 36'	Date Reported:	11-06-00
Laboratory Number:	18491	Date Sampled:	11-02-00
Chain of Custody:	8361	Date Received:	11-03-00
Sample Matrix:	Soil	Date Analyzed:	11-03-00
Preservative:	Cool	Date Extracted:	11-03-00
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	1,045	1.8
Toluene	1,190	1.7
Ethylbenzene	875	1.5
p,m-Xylene	900	2.2
o-Xylene	2,170	1.0
Total BTEX	6,180	

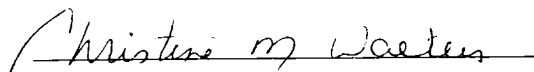
ND - Parameter not detected at the stated detection limit.


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: Florance "M" #47A.


Analyst


Review

08361

[illegible]