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GENERAL CORRESPONDENCE

YEAR(S):



P.O. Box 87, Bloomfield, New Mexico 87413 Phone: (505)632-1199 Fax: (505)632-3903



June 16, 2000

Mr. Bill Olson State of New Mexico Oil Conservation Division 2040 South Pacheco Santa Fe, NM 87505

RE: JAQUEZ GC C #1/E #1 - SUBSEQUENT REMEDIATION REPORT UNIT F, SEC. 6, T29N, R9W, SAN JUAN CO., N.M.

Dear Mr. Olson:

Blagg Engineering, Inc., on behalf of BP Amoco, respectfully submits the attached soil and groundwater documentation requested by the New Mexico Oil Conservation Division (NMOCD) as addressed in the letter dated May 16, 2000 (attached). The following statements disclose the findings for the pits in question:

Jaquez GC C # 1 Blow Pit -

Pit was site assessed only on June 22, 1992. Based on the laboratory analyses, subsurface soils and groundwater appear to meet the NMOCD standards for closure.

Jaquez GC E # 1 Blow Pit -

Pit was site assessed only on June 23, 1992. Based on the laboratory analyses, subsurface soils and groundwater appear to meet the NMOCD standards for closure.

Jaquez GC E # 1 Abandoned Compressor Pit -

Pit was site assessed only on March 17, 1993. Based on the laboratory analyses, subsurface soils and groundwater appear to meet the NMOCD standards for closure.

Jaquez GC E # 1 Abandoned Pit -

Pit was site assessed only on March 17, 1993. Due to the proximity of the pit in relations to the Jaquez residence, Mr. Jaquez requested Amoco not to remediate the soil and groundwater aggressively (i.e. excavation).

The following table discloses the laboratory results from the named pits:

Well Name	Pit Type	Sample ID	Sample Matrix	OVM (ppm)	Benz.	Tolu. (ppb)	Ethylben zene (ppb)	Total Xylene (ppb)	Total BTEX (ppb)	TPH (ppm)
C#1	BLOW	T2@ 5'	SOIL	1.0	ND	-	-	-	2013	14.1
	>>	T3@ 9'	GW		ND	ND	ND	ND	-	ND
E#1	ABAN.	T1@ 1.5'	SOIL	666	3720	-	-	-	165620	26200
	,,	T2@ 3'	SOIL	0.6	24.9	-	•	-	189	ND
	17	T2@ 4'	GW	0.0	0.4	1.8	1.2	10.5	-	ND
	15	T3@ 3'	SOIL	0.9	•	-		-	-	ND
	17	T3@ 3.5'	GW	0.4	1.8	2.9	3.3	4.0	_	ND
E#1	BLOW	T1@ 2'	SOIL	499	ND	-		-	567.7	68.0
	,,	T1@ 5'	GW	210	ND	40.1	ND	54.1	-	12.7
	>1	T2@ 5'	GW		10.0	35.1	ND	58.8	-	-
E#1	COMPR	T1@ 1.5'	SOIL	7.0	ND	-	-		226	42.5
	*>	T1@ 4'	GW	5.4	3.3	3.7	ND	9.9	•	0:8

OVM - organic vapor meter, Benz. - benzene, Tolu. - toluene, BTEX - benzene, toluene, ethylbenzene, and total xylenes, TPH - total petroleum hydrocarbons utilizing USEPA method 418.1, GW - groundwater, ND - non detect., ppm - parts per million, ppb - parts per billion.

In addressing NMOCD's second request for information, soils excavated from the Jaquez GC C # 1 abandoned & separator pits, along with the Jaquez GC E # 1 production tank pit were disposed at Amoco's Nye GC B # 1E well site (Unit F, Sec. 7, T29N, R9W). Request for closure of these soils will be presented with all documentation associated with the Nye GC B # 1E well site.

Based on the enclosed documentation, the soils and groundwater at the named pits appears to meet all criteria for permanent closure (except for Jaquez GC E #1 abandoned pit). Therefore, BP Amoco is requesting permanent closure status for all pits presented within this report with the exception of the aforementioned abandoned pit.

If you have questions, please contact either myself or Jeffrey C. Blagg. Thank you for your cooperation and assistance.

Sincerely,

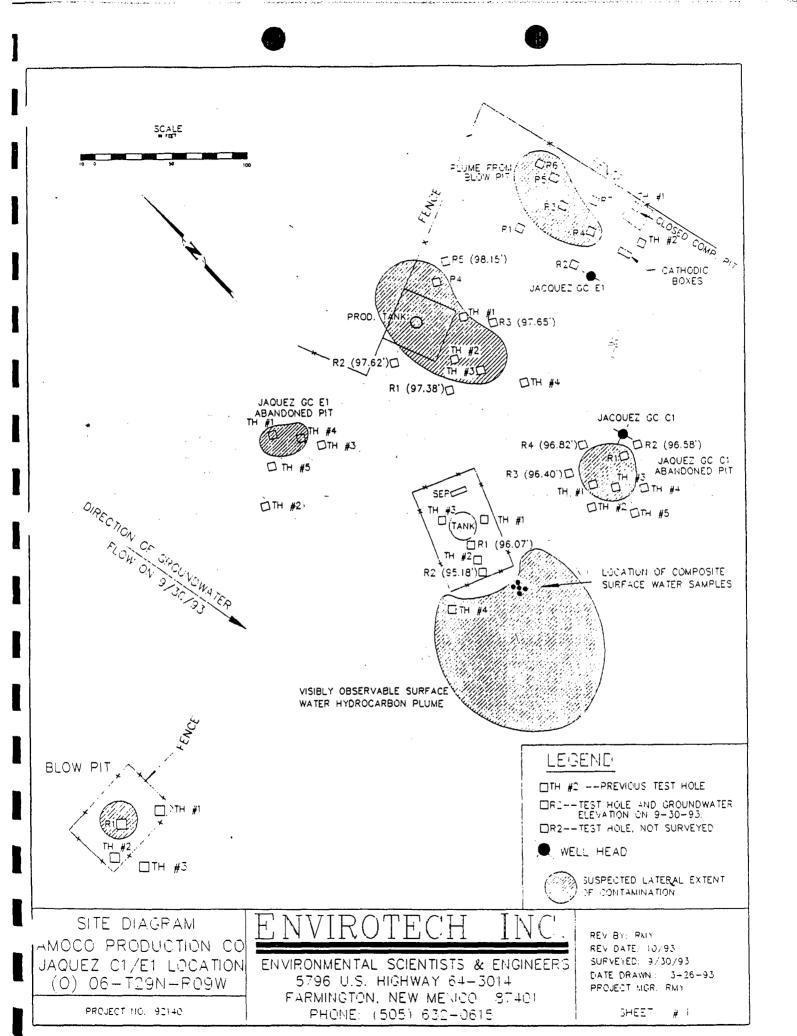
BLAGG ENGINEERING, INC.

Nelson Velez

Staff Geologist

Denny Foust, Environmental Geologist, New Mexico Oil Conservation Division, Aztec, NM Buddy Shaw, Environmental Coordinator, BP Amoco, Farmington, NM (without attachment)

NV/nv





STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

2040 S. PACHECO SANTA FE, NEW MEXICO 87505 (505) 827-7131

May 16, 2000

CERTIFIED MAIL RETURN RECEIPT NO. 5051-3099

Mr. B.D. Shaw
BPAmoco
200 Amoco Court
Farmington, New Mexico 87401

RE: GROUND WATER CONTAMINATION AND PIT CLOSURE REPORTS JAQUEZ COM C#1 AND E#1 WELL SITES

Dear Mr. Shaw:

The New Mexico Oil Conservation Division (OCD) has reviewed BPAmoco's January 26, 2000 "JAQUEZ GC C#1/E#1 – SOIL AND GROUNDWATER REMEDIATION REPORT, UNIT F, SEC. 6, T29N, R9W, SAN JUAN CO., N.M." which was submitted on behalf of BPAmoco by their consultant Blagg Engineering, Inc. This document contains the results of BPAmoco's investigation, remediation and monitoring actions related to BPAmoco's former production pits at the Jaquez Com C#1 & E#1 wells sites north of Blanco, New Mexico.

The OCD has the following comments and requests for information regarding the above referenced document:

- 1. The report does not contain pit closure documentation on the 2 blow pits, compressor pit or the Jaquez GC E#1 abandoned pit. Please provide this information.
- 2. The report does not contain information on the completion of the landfarming of contaminated soils that were excavated from the site. Please provide this information.

The OCD requires that BPAmoco provide the above information to the OCD Santa Fe Office by June 16, 2000 with a copy provided to the OCD Aztec District Office.

If you have any questions or comments, please call me at (505) 827-7154.

Sincerely,

William C. Olson

Hydrologist

Environmental Bureau

xc:

OCD Aztec District Office

Jeff Blagg, Blagg Engineering, Inc.

John Jaquez

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STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

2040 S. PACHECO SANTA FE, NEW MEXICO 87505 (505) 827-7131

December 21, 1999

CERTIFIED MAIL RETURN RECEIPT NO. Z-274-520-744

Mr. B.D. Shaw Amoco Production Company 200 Amoco Court Farmington, New Mexico 87401

RE: GROUND WATER CONTAMINATION
JAQUEZ COM C#1 AND E#1 WELL SITES

Dear Mr. Shaw:

The New Mexico Oil Conservation Division (OCD) is currently working with El Paso Field Services (EPFS) to remediate contaminated soil and ground water related to EPFS's fromer dehydration pits at the Jaquez Com C#1 & E#1 wells sites north of Blanco, New Mexico.

A review of the OCD's files shows that Amoco Production Company (Amoco) has also conducted soil and ground water remdial actions at the site. While Amoco supplied the OCD with some initial reports on Amoco's soil and ground water actions, the OCD has no record of receiving any correspondence from Amoco since June 29, 1994. Therefore, the OCD requires that Amoco submit a comprehensive report on all soil and ground water investigation and remedial actions at the Jaquez Com C#1 and E#1 well sites. The report shall be submitted to the OCD Santa Fe Office by February 2, 2000 with a copy provided to the OCD Aztec District Office.

If you have any questions or comments, please call me at (505) 827-7154.

Sincerely.

William C. Olson

Hydrologist

Environmental Bureau

xc: OCD Aztec District Office

Jeff Blagg, Blagg Engineering, Inc.

John Jaquez

STATE OF NEW MEXICO



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



BRUCE KING GOVERNOR

April 22, 1993

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87504 (505) 627-5800

ANITA LOCKWOOD CABINET SECRETARY

CERTIFIED MAIL RETURN RECEIPT NO. P-667-242-340

Mr. B.D. Shaw
Amoco Production Company
200 Amoco Court
Farmington, New Mexico 87401

RE: JAQUEZ WELL SITE REMEDIATION REQUEST

Dear Mr. Shaw:

The New Mexico Oil Conservation Division (OCD) is in the process of reviewing Amoco's April 13, 1993 "JAQUEZ WELLSITE REMEDIATION REQUEST". This document states that Amoco has identified contaminated soils and ground water associated with some of the unlined production pits at the Jaquez GC E#1 and Jaquez GC C#1 well sites north of Blanco, New Mexico. The request recommended certain remedial actions be taken to mitigate contamination at the site.

The OCD has the following comments and requests for information regarding the above referenced request:

- OCD approval of the closure of the "Jaquez GC E#1 compressor Abandoned Pit (Pit #94807) was requested due to the lack of contaminants found in the pit. However, the results of the pit assessment were not included. Please provide OCD with the results of the pit assessment.
- 2. The request suggests insitu bioremediation or excavation and landfarming of the contaminated soils at the "Jaquez GC C#1 Closed Blow Pit (Pit#94338) Area #2". Specific OCD approval of these remediation techniques for this pit is not required because these techniques are covered under Amoco's March 1, 1993 "AMOCO PIT CLOSURE PLAN" which was approved by OCD on March 30, 1993.
- 3. Amoco documented soil and ground water contamination associated with "Jaquez GC C#1 - Production Pit (Pit #94808) Area #2, Jaquez GC E#1 - Blow Pit 2 (Pit #94345) and Jaquez GC

Mr. B.D. Shaw April 22, 1993 Page 2

C#1 - Separator Pit (Pit #94344)" and suggested certain remedial techniques. The concepts for ground water remediation are acceptable. However, the results of soil and ground water contaminant assessments and a remediation work plan providing specific construction details were not included with the request. Please provide OCD with the soil and ground water results of these pit assessments and a detailed work plan for ground water remediation.

Please be aware that OCD has required that El Paso Natural Gas Company (EPNG) perform an investigation of the extent of ground water contamination related to EPNG's disposal activities at the Jaquez well sites. OCD will require Amoco to determine the extent of ground water contamination related to Amoco's disposal activities, if, Amoco has not already made this determination.

Submission of the above information will allow OCD to complete a review of your remediation request.

If you have any questions, please contact me at (505) 827-5885.

Sincerely

William C. Olson

Hydrogeologist

Environmental Bureau

xc: OCD Aztec Office

Bill Olson



OIL GONSERV. ON DIVISION Southern

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'93 APR 19 AM 9 15

Rockies

San Juan Operations Center

April 13, 1993

NMOCD 1000 Rio Brazos Road Aztec, New Mexico 87410

File: BDS-17-986

APR1 5 1993

OIL CON. DIV. DIST. 3

Jaquez Wellsite Remediation Request

Attached is Amoco Production Company's request for remediation methods and techniques for the above subject site. We would like to begin as soon as possible. Thank you for your consideration.

B. D. Shaw

Environmental Coordinator

cc: EPNG-Farmington, NM John Jaquez-Canutillo, TX

Bill Olson - OCD Environmental Bureau

Remediation Plan

Jaquez GC E1 - compressor Abandoned Pit (Pit # 94807)

The TPH and total BTEX results for soil did not exceed the regulatory standards. The BTEX results for groundwater was well below the current regulatory limits. Amoco suggests the pit be approved as closed.

Jaquez GC C1 - Production Pit (Pit # 94808) AREA #2

The TPH and total BTEX results for soil exceed the regulatory standards. The BTEX results for groundwater also exceed the current regulatory limits.

Amoco suggests the following:

- 1. Air sparging to abate the contamination in both soil and groundwater.
- Add microbes.

Jaquez GC C1 - Closed Blow Pit (Pit # 94338) Area #2

Amoco suggests the following:

1. Bioremediation in-situ or excavation and landfarming of the areas highlighted on the attached Site Diagram.

Jaquez GC E1 - Blow Pit 2 (Pit #94345) and Jaquez GC C1 - Separator Pit (Pit # 94344)

Amoco suggests the following:

- Discontinue discharge into the Blow Pit if still active, remove fluids from pit area, and backfill.
- 2. Replace existing tank with another double bottom steel tank. Due to lab analyses conducted on the groundwater during the pit assessment (6/23/92), we also recommend installing a monitor well as close to the new tank installation as possible in the suspected down gradient groundwater flow. Also add microbes to water area.

Clean Up Standards

The maximum allowable concentration for hydrocarbon contamination of soils as outlined in the New Mexico Oil Conservation Division, Guidelines for Surface Impoundment Closures (February, 1993) are summarized in Table 1.

The current maximum allowable concentrations for groundwater contamination as outlined by the State of New Mexico Water Quality Control Commission (August 18, 1991) are summarized and reported in Table 1.

Table 1

HYDROCARBON SOIL & GROUNDWATER CONTAMINATION STANDARDS
STATE OF NEW MEXICO

<u>Parameter</u>	soil (ug/kg)	groundwater (ug/1)
Benzene Tolene Ethylbenzene Total Xylene Total Aromatics	10,000 - - - 50,000	10 750 750 620 -
Total Petroleum Hydrocarbons	soil (mg/kg) 100	-

Note: ug/kg-parts per billion mg/kg-parts per million

