

3R - 198

REPORTS

DATE:

1998



Certified Mail: #Z 211 324 121

March 31, 1999

Mr. William C. Olson
New Mexico Oil Conservation Division
2040 S. Pacheco
Santa Fe, NM 87504

RECEIVED

APR 05 1999

RE: 1998 Pit Project Annual Groundwater Report

ENVIRONMENTAL BUREAU
OIL CONSERVATION DIVISION

Dear Mr. Olson:

In accordance with reporting requirements, El Paso Field Services (EPFS) has enclosed annual updates for the 49 remaining groundwater impacted locations that were identified during our pit closure project of 1994 / 1995.

Of the 49 reports, EPFS hereby requests closure of 18 of these locations. The 18 sites EPFS is requesting closure on are presented in 4 separate binders entitled "Final Closure Report for Groundwater Sites with Four Consecutive Quarters Below Standards".

The Jaquez Com. C #1 and Jaquez Com. E #1 site is included in a separate report which is entitled "Jaquez Com. C #1 and Jaquez Com. E #1 Annual Report for Soil and Groundwater Remediation".

If you have any questions concerning the enclosed reports or closure requests, please call me at (505) 599-2124.

Sincerely,

A handwritten signature in dark ink, appearing to read 'Scott T. Pope'.

Scott T. Pope P.G.
Senior Environmental Scientist

xc: Mr. Denny Foust, NMOCD, Aztec - w / enclosures; **Certified Mail # Z 211 324 122**
Mr. Bill Liesse, BLM - w / enclosures; **Certified Mail # Z 211 324 123**
Ms. Charmaine Tso, Navajo EPA - w / enclosures; **Certified Mail # Z 211 324 120**

SAN JUAN BASIN PIT CLOSURES
San Juan Basin, New Mexico

El Paso Field Services
Final Closure Report For Groundwater Sites With Four
Consecutive Quarters Below Standards

RECEIVED

December 1998

APR 05 1999

ENVIRONMENTAL BUREAU
OIL CONSERVATION DIVISION

Prepared For

El Paso Field Services
Farmington, New Mexico

Project 17520
Book 1



**EPFS GROUNDWATER PITS
1998 ANNUAL GROUNDWATER REPORT**

JOHN CHARLES #8
Meter/Line ID - 93126

RECEIVED

APR 05 1999

SITE DETAILS

Legals - Twn: 27N Rng: 9W
NMOCD Hazard Ranking: 40
Operator: TEXACO

Sec: 13 Unit: B
Land Type: NAVAJO

**ENVIRONMENTAL BUREAU
OIL CONSERVATION DIVISION**

PREVIOUS ACTIVITIES

Site Assessment: Jun-94

Excavation: Aug-94 (110 cy)

Re-Excavation: Nov-95 (272 cy)

Soil Boring: Feb-97

Monitor Well: Feb-97

Quarterly Sampling Initiated: June-97

1998 ACTIVITIES

Quarterly Groundwater Monitoring - Groundwater monitoring was performed on 3/26/98. Groundwater sampling was discontinued during USEPA and Navajo EPA review of a proposal to close the site.

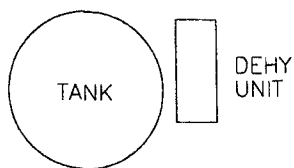
CONCLUSIONS

Groundwater samples have been below New Mexico State Groundwater Standards since quarterly sampling was initiated.

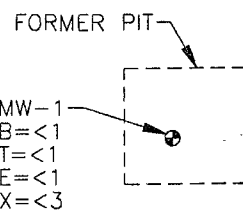
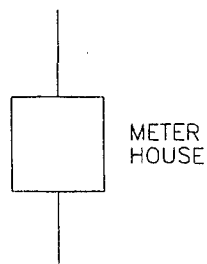
RECOMMENDATIONS

- Perform quarterly groundwater sampling until four successive quarterly sampling events are below New Mexico Groundwater Standards for BTEX.
- After four consecutive quarters below New Mexico Groundwater Standards are collected from MW-1, two temporary wells will be placed at down-gradient locations to collect at least one groundwater sample to show that contamination has not migrated (as per EPA request).

WASH



WELLHEAD



LEGEND

● MW-1 APPROXIMATE MONITORING WELL
LOCATION AND NUMBER

B BENZENE (ug\L)
T TOLUENE (ug\L)
E ETHYL BENZENE (ug\L)
X XYLENE (ug\L)

ug\L MICROGRAMS PER LITER

NOT TO SCALE



COL 17520AM-001



TITLE:

JOHN CHARLES #8
METER 93126
3/25/98

DWN:

TMM

DES.:

CC

CHKD:

CC

APPD:

DATE:

3/3/99

REV.:

0

PROJECT NO.:

17520

EPFS GW PITS

FIGURE 1

EPFS Groundwater Pits
1998 Groundwater Report

TABLE 1

Sample #	Meter/Line #	Site Name	Sample Date	MW #	Project	Benzene (PPB)	Toluene (PPB)	Ethyl Benzene (PPB)	Total Xylenes (PPB)	Total BTEX
980258	93126	John Charles #8	03/26/98	1	Sample 4 - 4th Qtr	< 1	< 1	< 1	< 3	< 6

**1998 GROUNDWATER
ANALYTICAL**

Site Name JOHN CHARLES #8

Well Number MW-1

Meter Code 93126

Development Criteria

- | | |
|-------------------------------------|--|
| <input checked="" type="checkbox"/> | 3 to 5 Casing Volumes of Water Removal |
| <input type="checkbox"/> | Stabilization of Indicator Parameters |
| <input type="checkbox"/> | Other |

Methods of Development

- | | | | |
|-------------|--------------------------|--------------------------|-------------------------------------|
| Pump | <input type="checkbox"/> | Bailer | <input type="checkbox"/> |
| Centrifugal | <input type="checkbox"/> | Bottom Valve | <input checked="" type="checkbox"/> |
| Submersible | <input type="checkbox"/> | Double Check Valve | <input type="checkbox"/> |
| Peristaltic | <input type="checkbox"/> | Stainless-steel Kemmerer | <input type="checkbox"/> |

Water Volume Calculation

Initial Depth of Well (feet) 42.80

Initial Depth to Water (feet) 31.75

Height of Water Column in Well (feet) 11.05

44 Diameter (inches): Well Gravel Pack

44 Diameter (inches): Well Gravel Pack

44 Diameter (inches): Well Gravel Pack

Item	Water Volume in Well		Gallons to be Removed
	Cubic Feet	Gallons	
Well Casing		7.3	21.9
Gravel Pack			
Drilling Fluids			
Total			

Water Removal Data

[illegible]

Comments: A SAMPLE WAS COLLECTED FOR PH IN THE CAR. CAB PH WAS 7.34

Developer's Signature *Dennis Bird*

Date 3-26-98

Reviewer

Chas. Hall

Date _____

4/3/98



FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	N/A	980258
MTR CODE SITE NAME:	93126	John Charles #8
SAMPLE DATE TIME (Hrs):	3/26/98	1351
PROJECT:	Sample 4 4th Quarter	
DATE OF BTEX EXT. ANAL.:	3/27/98	3/27/98
TYPE DESCRIPTION:	MW-1	Water

Field Remarks:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q		
BENZENE	< 1	PPB				
TOLUENE	< 1	PPB				
ETHYL BENZENE	< 1	PPB				
TOTAL XYLENES	< 3	PPB				
TOTAL BTEX	< 6	PPB				

--BTEX is by EPA Method 8020 --

The Surrogate Recovery was at 100.9 % for this sample All QA/QC was acceptable.
DF = Dilution Factor Used

Narrative:

Approved By:

Date:

4/3/98

980258BTEXMW, 3/31/98

CHAIN OF CUSTODY RECORD

Project No.	Project Name	Type and No. of Sample Containers		Requested Analysis	Remarks
MC # 93136 <td>Donnie Bird <td colspan="2">Date: 3-26-78 <td></td> <td></td> </td></td>	Donnie Bird <td colspan="2">Date: 3-26-78 <td></td> <td></td> </td>	Date: 3-26-78 <td></td> <td></td>			
Samplers: (Signature) <i>Donnie Bird</i>		Sample Number			
DATE 3-26-78	Time	Comp.	GRAB		
1351		X			
3-26-78		980758		5-1405 X	JOHN CHARLES #8 MW-1
<div> <div>Relinquished by: (Signature)</div> <div>Received by: (Signature)</div> </div> <div> <div>Relinquished by: (Signature)</div> <div>Received by: (Signature)</div> </div> <div> <div>Relinquished by: (Signature)</div> <div>Received by: (Signature)</div> </div>					
Carrier Co:		Carrier Phone No.		Date Results Reported / by: (Signature)	