

3R - 202

REPORTS

DATE:

1999 - 1998



Certified Mail: #Z 213 707 666 (Box 1 of 2)
#Z 213 707 664 (Box 2 of 2)

March 24, 2000

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

RECEIVED

MAR 23 2000

ENVIRONMENTAL BUREAU
OIL CONSERVATION DIVISION

RE: 1999 Pit Project Annual Groundwater Report

Dear Mr. Olson:

In accordance with reporting requirements, El Paso Field Services (EPFS) has enclosed annual updates for the 32 remaining groundwater impacted locations that were identified during our pit closure project of 1994 / 1995.

Of the 32 reports, EPFS hereby requests closure of 4 of these locations. The 4 sites EPFS is requesting closure on are presented in one separate binder entitled "San Juan Basin Pit Closures, El Paso Field Services, Pit Closure Reports".

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".

EPFS has also included for your information five Navajo sites in a separate binder and a separate report for the Bisti Flare Pit #1.

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

Sincerely,

A handwritten signature in black ink that reads 'Scott T. Pope' with a stylized 'P' and 'G' at the end.

Scott T. Pope P.G.
Senior Environmental Scientist

xc: Mr. Denny Foust, NMOCD, Aztec - w / enclosures; **Certified Mail # Z 213 707 667**
Mr. Bill Liesse, BLM - w / enclosures; **Certified Mail # Z 213 707 668**
Mr. John Jaquez, - w / Jaquez enclosures; **Certified Mail # Z 213 707 669**
Ms. Charmaine Tso, Navajo EPA - w / enclosures; **Certified Mail # Z 213 707 670**

bc: J. A. Lambdin w / enclosures

Philip Services Corp. – Cecil Irby, w / o enclosures

B. B. McDaniel / 24321 – NMOCD Regulatory w / o

SAN JUAN BASIN PIT CLOSURES
San Juan Basin, New Mexico

El Paso Field Services Pit Project Groundwater Report
Annual Report

March 2000

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MAR 29 2000

ENVIRONMENTAL BUREAU
OIL CONSERVATION DIVISION

Prepared For

El Paso Field Services
Farmington, New Mexico

Project 62800158



EPFS GROUNDWATER PITS 1999 ANNUAL GROUNDWATER REPORT

**JOHNSTON FEDERAL #6A
Meter/Line ID - 89232**

SITE DETAILS

Legals - Twn: 31N Rng: 9W Sec: 35 Unit: F
NMOCD Hazard Ranking: 40 Land Type: FEDERAL
Operator: BURLINGTON RESOURCES

PREVIOUS ACTIVITIES

Site Assessment: Aug-94 Excavation: Sep-94 (80 cy) Soil Boring: Aug-95
Monitor Well: Aug-95 Quarterly Sampling Initiated: Apr-96 PSH Removal Initiated: Jul-97

1999 ACTIVITIES

Phase Separated Hydrocarbon (PSH) Removal - PSH was not recovered in 1999.

Provided Operator with Site Data - EPFS has provided operator with all pertinent site data generated to date.

SUMMARY TABLES

Groundwater level data and PSH recovery data are presented in Table 2.

SITE MAP

A site map with the groundwater gradient is presented as Figure 1.

GEOLOGIC LOGS AND WELL COMPLETION DIAGRAMS

There were no drilling activities at this site in 1999.

DISPOSITION OF GENERATED WASTES

All recovered PSH has been disposed of at the EPFS Kutz Separator in Bloomfield, New Mexico.

ISOCONCENTRATION MAPS

None were generated for this site.

CONCLUSIONS

Groundwater gradient maps produced this year show the groundwater gradient is towards the north. As required by the OCD correspondence dated July 28, 1999, two additional monitor wells will be installed downgradient of MW-1.

Pertinent data from previous groundwater reports include the following: Based on groundwater levels collected from four groundwater monitor wells, the groundwater flows to the north-northeast on this site. Quarterly sampling was discontinued due to the presence of free product. All recovered PSH has been disposed of at the EPFS Kutz Separator in Bloomfield, New Mexico.

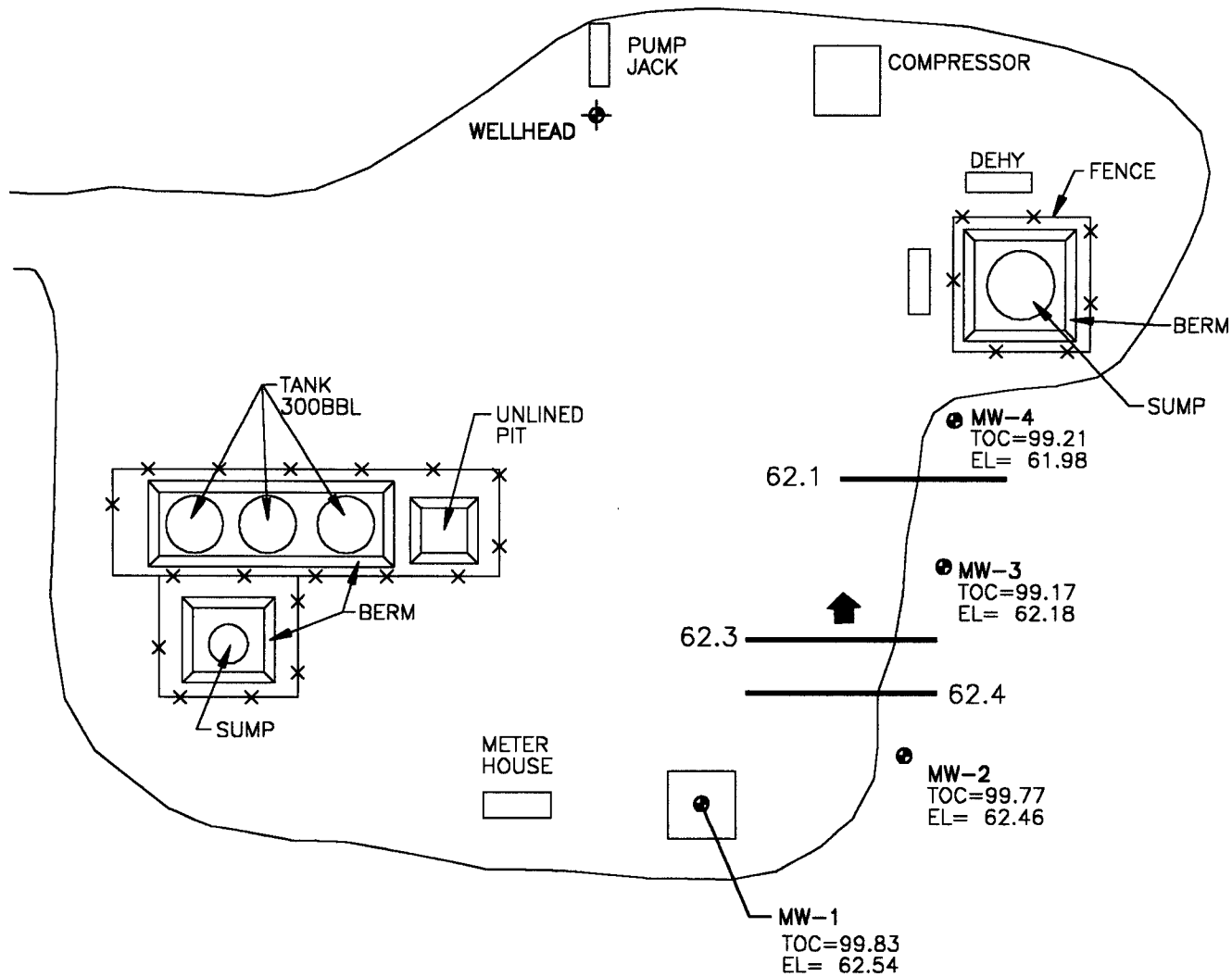
Groundwater samples collected from MW-1 have historically been in excess of New Mexico Groundwater Standard for BTEX since quarterly sampling was initiated. Groundwater samples

EPFS GROUNDWATER PITS 1999 ANNUAL GROUNDWATER REPORT

collected from two down-gradient monitor wells (MW-3 and MW-4) have historically been in excess of standards for benzene. MW-2, which is slightly down to crossgradient has been below New Mexico Groundwater Standards for BTEX since quarterly sampling was initiated.

RECOMMENDATIONS

- Perform product removal at MW-1 as needed.
- Following completion of product removal initiate sampling in monitor well MW-1 on an annual basis.
- Sample monitor wells MW-2, MW-3 and MW-4 annually.
- Install additional monitor well and sample annually.
- EPFS will continue to work with the operator at this site.



LEGEND

- MW-1 MONITORING WELL NUMBER AND APPROXIMATE LOCATION
- TOC TOP OF CASING ELEVATION
- EL GROUNDWATER ELEVATION
- ▲ GROUNDWATER GRADIENT
- 61.1 GROUNDWATER POTENTIOMETRIC SURFACE

NOT TO SCALE



COL 17520AV-007



TITLE:
JOHNSTON FEDERAL #6A
METER 89232
DECEMBER 8, 1999

DWN: CJG	DES.: CC
CHKD: CC	APPD:
DATE: 03/20/00	REV.: 0

PROJECT NO.: 17520
EPFS GW PITS

FIGURE 1

TABLE 2

Meter/Line #	Location/Line Name	Date	MW	Depth to Product	Depth to Water	Product Thickness	Volume Removed Gallons	Cumulative Gallons
89232	Johnston Federal #6A	02/23/99	1	36.97	37.31	0.34	0.00	0.00
89232	Johnston Federal #6A	12/08/99	1	37.64	37.64	0.00	0.00	0.00



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

ENVIRONMENTAL BUREAU
OIL CONSERVATION DIVISION

RE: 1998 Pit Project Annual Groundwater Report

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

December 1998

Prepared For

El Paso Field Services
Farmington, New Mexico

Project 17520
Book 1



EPFS GROUNDWATER PITS

1998 ANNUAL GROUNDWATER REPORT

JOHNSTON FEDERAL #6A
Meter/Line ID - 89232

SITE DETAILS

Legals - Twn: 31N Rng: 9W Sec: 35 Unit: F
NMOCD Hazard Ranking: 40 Land Type: FEDERAL
Operator: BURLINGTON RESOURCES

PREVIOUS ACTIVITIES

Site Assessment: Aug-94 Excavation: Sep-94 (80 cy) Soil Boring: Aug-95
Monitor Well: Aug-95 Quarterly Sampling Initiated: Apr-96 PSH Removal Initiated: Jul-97

1998 ACTIVITIES

Phase Separated Hydrocarbon (PSH) Removal - Groundwater level data and PSH recovery data are presented in Table 2. A site map is presented as Figure 1.

Provided Operator with Site Data - EPFS has provided operator with all pertinent site data generated to date.

CONCLUSIONS

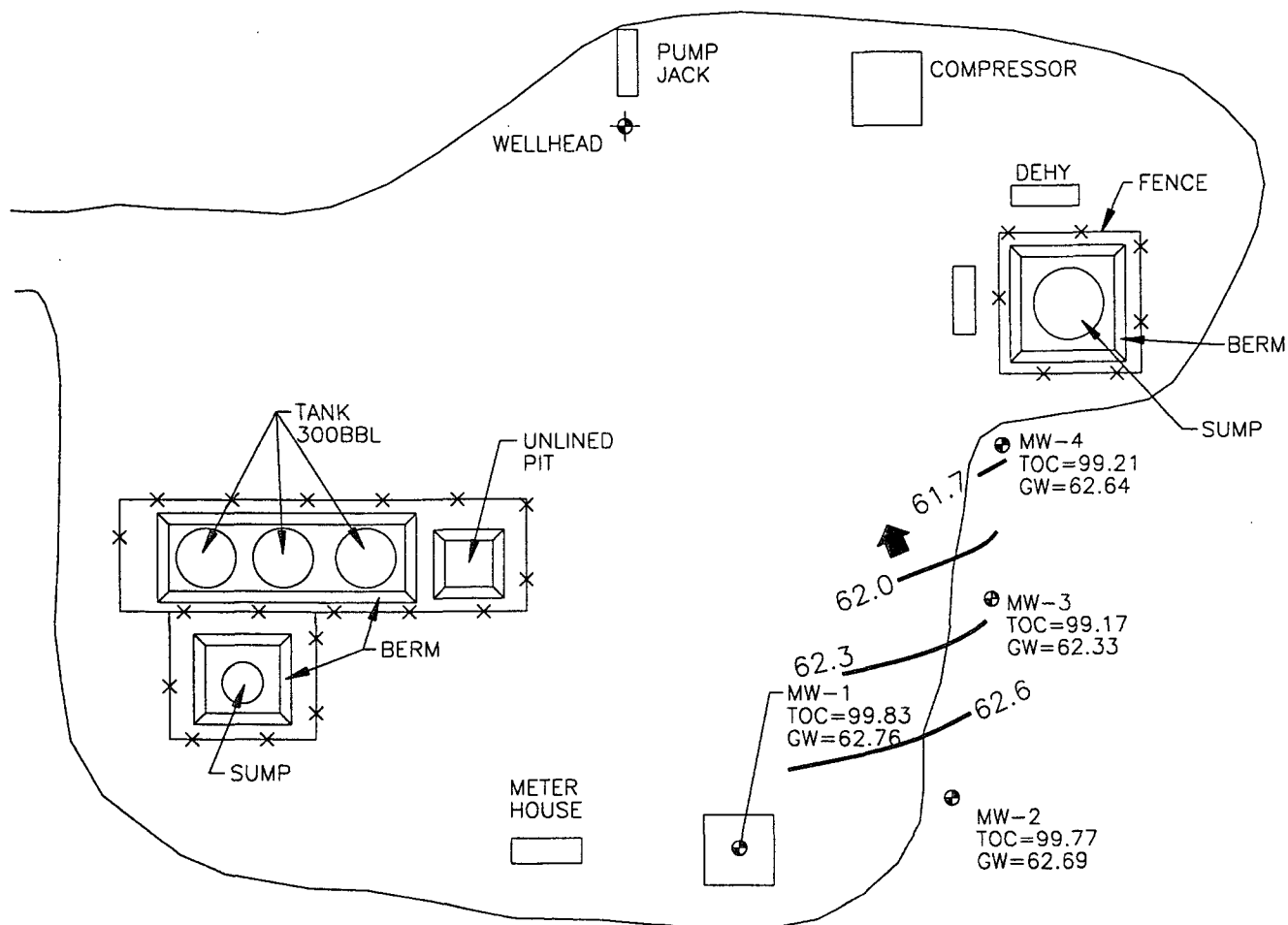
Quarterly sampling was discontinued due to the presence of free product. A total of 1.5 gallons of PSH has been recovered from MW-1 to date. A total of 1 gallon of PSH was recovered from MW-1 this year. Up to 0.7 feet of product was measured in MW-1 this year. All PSH has been disposed of at the EPFS Kutz Separator in Bloomfield, NM.

Pertinent data from the 1997 groundwater report includes the following: Based on groundwater levels collected from four groundwater monitor wells, the groundwater flows to the north-northeast on this site.

Groundwater samples collected from MW-1 have been in excess of New Mexico Groundwater Standard for BTEX since quarterly sampling was initiated. Groundwater samples collected from two down-gradient monitor wells (MW-3 and MW-4) are in excess of standards for benzene. MW-2, which is slightly down to cross-gradient has been below New Mexico Groundwater Standards for BTEX since quarterly sampling was initiated.

RECOMMENDATIONS

- EPFS proposes to conduct no further actions at this site, until the operator commences with remediation of their production pit.
- Continue product removal at MW-1 as needed.
- Following completion of product removal initiate sampling on an annual basis.
- EPFS will continue to work with the operator at this site.



LEGEND

- MW-1 APPROXIMATE MONITORING WELL LOCATION AND NUMBER
- TOC TOP OF CASING ELEVATION
- GW GROUNDWATER POTENTIOMETRIC SURFACE
- ➔ GROUNDWATER GRADIENT
- 61.1 GROUNDWATER POTENTIOMETRIC SURFACE

NOT TO SCALE



COL 17520AV-004



TITLE:
JOHNSTON FEDERAL #6A
METER 89232
2/23/99

DWN: TMM	DES.: CC
CHKD: CC	APPD:
DATE: 3/22/99	REV.: 0

PROJECT NO.: 17520
EPFS GW PITS

FIGURE 2

TABLE 2

Meter/Line #	Location/Line Name	Date	MW	Depth to Product	Depth to Water	Product Thickness	Volume Removed	Cumulative
89232	Johnston Federal #6A	2/26/98	1	36.97	37.67	0.70	0.00	0.00
89232	Johnston Federal #6A	2/27/98	1	38.31	38.32	0.01	1.00	1.50
89232	Johnston Federal #6A	03/02/98	1	0.00	38.25	0.00	0.00	1.50
89232	Johnston Federal #6A	03/06/98	1	0.00	38.25	0.00	0.00	1.50
89232	Johnston Federal #6A	03/09/98	1	38.34	38.35	0.01	0.00	1.50
89232	Johnston Federal #6A	03/12/98	1	38.25	38.26	0.01	0.00	1.50
89232	Johnston Federal #6A	03/17/98	1	0.00	38.36	0.00	0.00	1.50
89232	Johnston Federal #6A	03/26/98	1	0.00	38.32	0.00	0.00	1.50
89232	Johnston Federal #6A	04/09/98	1	0.00	38.48	0.00	0.00	1.50
89232	Johnston Federal #6A	04/15/98	1	37.97	37.98	0.01	0.00	1.50