

3R - 212

**ANNUAL
MONITORING
REPORT**

02/21/2005



Via Federal Express

February 21, 2005

Mr. Ed Martin
New Mexico Oil Conservation Division
1220 St. Francis Dr.
Santa Fe, NM 87504

RE: 2004 Pit Project Annual Groundwater Report

Dear Mr. Martin:

In accordance with reporting requirements, El Paso Field Services (EPFS) has enclosed annual reports for the 20 remaining groundwater impacted sites that were identified during our pit closure project of 1994 / 1995.

EPFS has organized the 20 Annual Reports (Volumes 1, 2 and 3) by land type. Volume 1 contains Annual Reports for sites found on Federal land. Volume 2 contains Non Federal land sites and Volume 3 contains one site on Navajo land. EPFS understands closure of groundwater sites on Navajo lands falls under jurisdiction of the Navajo Nation Environmental Protection Agency; however, the Navajo site report is included for your information.

If you have any questions concerning the enclosed reports, please call me at (719) 520-4433.

Sincerely,

A handwritten signature in black ink, appearing to read "Scott T. Pope".

Scott T. Pope P.G.
Senior Environmental Scientist

xc: Mr. Denny Foust, NMOCD, Aztec - w / enclosures; **Federal Express**
Mr. Bill Liesse, BLM - w / enclosures (federal sites only), **Federal Express**
Dr. Ted Helfgott, Enterprise - w / enclosures (Enterprise sites only), **Federal Express**
Groundwater Pit File w / o enclosures
Pam Anderson - MWH, w / o enclosures
Inside Pocket of Each Volume of Report

EPFS GROUNDWATER SITES
2004 ANNUAL GROUNDWATER REPORT

3R212

Lat L-40
Meter Code: LD174

SITE DETAILS

Legal Description: Town: 28N Range: 4W Sec: 13 Unit: H
NMOCD Haz 20 Land Type: Federal Operator: EPFS
Ranking:

PREVIOUS ACTIVITIES

Site Assessment: 2/95 Excavation: 3/95 Soil Boring: 9/95
Monitor Well: 9/95 Geoprobe: NA Additional MWs: *
Downgradient MWs: * Replace MW: NA Quarterly Initiated: NA
ORC Nutrient Injection: NA Re-Excavation: NA PSH Removal Initiated: 1/98
Annual Initiated: NA Quarterly Resumed: NA

* Attempts were made to install additional monitoring wells at this site during July 2000.
All efforts were met with refusal.

SUMMARY OF 2004 ACTIVITIES

MW-1: Quarterly free-product recovery and water level monitoring were performed.

Site-Wide Activities: Due to inclement weather, EPFS was unable to gain access to the site in January 2004. A technology review and data assessment were performed to evaluate free-product removal protocol and methodologies for sites with free-product.

SITE MAP

A site map (2004) is attached in Figure 1.

SUMMARY TABLES AND GRAPHS

- Historical analytical data and groundwater elevation data are presented graphically in Figure 2.
- Free-product recovery data from 2004 are summarized in Table 1, and historic data are presented graphically in Figure 3.
- Field documentation is presented in Attachment 1.

**EPFS GROUNDWATER SITES
2004 ANNUAL GROUNDWATER REPORT**

**Lat L-40
Meter Code: LD174**

GEOLOGIC LOGS AND WELL COMPLETION DIAGRAMS

No subsurface activities were performed at this site during 2004.

DISPOSITION OF GENERATED WASTES

All phase-separated hydrocarbons were disposed of at the EPFS Kutz Separator located in Bloomfield, New Mexico.

ISOCONCENTRATION MAPS

No isoconcentration maps were prepared for this site, however, the attached site map presents the water level data collected during 2004.

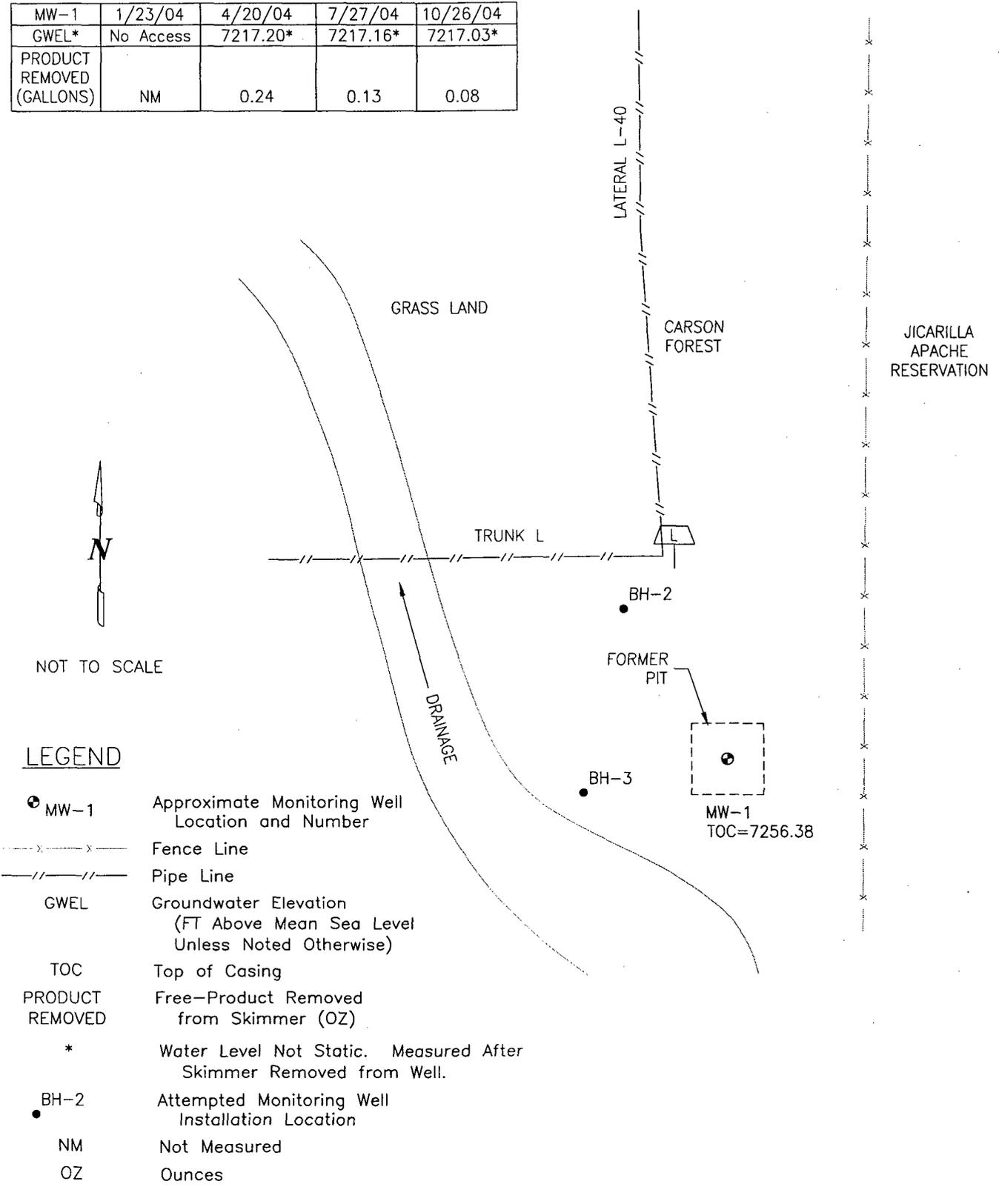
CONCLUSIONS

- Attempts were made to install additional monitoring wells at this site during July 2000. All efforts were met with drilling refusal.
- Free-product recovery efforts at MW-1 resulted in removal of approximately 0.45 gallons of free-phase hydrocarbons during 2004 bringing the cumulative total recovered to date to approximately 25.9 gallons since 2000. Free-product removal in 2003 totaled 1.3 gallons, compared to 0.45 gallons in 2004, demonstrating that product accumulation is decreasing.
- Based on the technology review and free-product removal data for this site, it was concluded that the passive skimmer should continue to be operated in MW-1.

RECOMMENDATIONS

- EPFS will continue quarterly free-product recovery at MW-1 using the passive skimmer; however, the frequency of monitoring will be adjusted based on the amount of product recovered during the monitoring visits.
- Once free-product recovery efforts are completed at MW-1, this well will be sampled on an annual basis until sample results approach closure criteria. The well will then be scheduled for quarterly sampling until closure criteria are met.

MW-1	1/23/04	4/20/04	7/27/04	10/26/04
GWEL*	No Access	7217.20*	7217.16*	7217.03*
PRODUCT REMOVED (GALLONS)	NM	0.24	0.13	0.08



LEGEND

- MW-1 Approximate Monitoring Well Location and Number
- x---x--- Fence Line
- /// Pipe Line
- GWEL Groundwater Elevation (FT Above Mean Sea Level Unless Noted Otherwise)
- TOC Top of Casing
- PRODUCT REMOVED Free-Product Removed from Skimmer (OZ)
- * Water Level Not Static. Measured After Skimmer Removed from Well.
- BH-2 Attempted Monitoring Well Installation Location
- NM Not Measured
- OZ Ounces

LATERAL L-40 LINE DRIP, LD 174
2004

GROUNDWATER SITES
EL PASO FIELD SERVICES

FIGURE 1

1c1140...dwg

TABLE 1
SUMMARY OF FREE-PRODUCT REMOVAL DURING 2004
LAT L-40 (METER #LD174)

Site Name	Monitoring Well	Removal Date	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Product Thickness (feet)	Volume of Product Removed (gallons)	Cumulative Volume of Product Removed (gallons)
Lat L-40	MW-1	4/20/04	NA	39.18	0.00	0.24	25.71
Lat L-40	MW-1	7/27/04	NA	39.22	0.00	0.13	25.83
Lat L-40	MW-1	10/26/04	NA	39.35	0.00	0.08	25.91

MW-1 contains a passive skimmer. Volume of product removed is from skimmer. Water levels and product thickness' measured following removal of passive skimmer.

FIGURE 2
HISTORIC BTEX CONCENTRATIONS AND GROUNDWATER ELEVATIONS
LAT L40
MW-1

