

3R - 212

REPORTS

DATE:

2000-1999



Certified Mail: #7000 1670 0012 7260 6739

February 26, 2001

Mr. William C. Olson
New Mexico Oil Conservation Division
1220 St. Francis Dr.
Santa Fe, NM 87504

RECEIVED

FEB 28 2001

ENVIRONMENTAL BUREAU
OIL CONSERVATION DIVISION

RE: 2000 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 sites that were identified during our pit closure project of 1994 / 1995.

Of the 32 reports (Volumes 1-4), EPFS hereby requests closure of six sites. The six 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". Four of the six sites were submitted in last years report and a decision has not been made on closure. The remaining two sites have been submitted in previous years and denied closure.

The Jaquez Com. C #1 and Jaquez Com. E #1 site is not included in with this years report and will be submitted by the required deadline of April 1, 2001

EPFS has also included for your information six Navajo sites in a separate binder.

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, appearing to read 'Scott T. Pope'.

Scott T. Pope P.G.
Senior Environmental Scientist

xc: Mr. Denny Foust, NMOCD, Aztec - w / enclosures; **Certified Mail # 7000 1670 0012 7260 6722**
Mr. Bill Liesse, BLM - w / enclosures (federal sites only), **Certified Mail # 7000 1670 0012 7260 6715**

SAN JUAN BASIN PIT CLOSURES
San Juan Basin, New Mexico

El Paso Field Services
Pit Project Groundwater Report
Annual Report
Volume III

March 2001

Prepared For

El Paso Field Services
Farmington, New Mexico

Project 62800398



EPFS GROUNDWATER PITS

2000 ANNUAL GROUNDWATER REPORT

LAT L-40 LINE DRIP

Meter/Line ID - LD174

SITE DETAILS

Legals - Twn: 28N Rng: 4W Sec: 13 Unit: H
NMOCD Hazard Ranking: 20 Land Type: FEDERAL
Operator: EL PASO FIELD SERVICES

PREVIOUS ACTIVITIES

Site Assessment: Feb-95 Test Excavation: Mar-95 Soil Boring: Sep-95
Monitor Well: Sep-95 Boreholes: Jul-00

2000 ACTIVITIES

Phase Separated Hydrocarbon (PSH) Removal - PSH removal from MW-1 continued in 2000.

Drilling - Additional monitor wells were attempted downgradient of MW-1 in July of 2000 and encountered auger refusal at 37-feet and 25-feet below ground surface.

SUMMARY TABLES

Groundwater levels and PSH recovery data are presented in Table 1.

SITE MAP

A site map is included as Figure 1.

GEOLOGIC LOGS AND WELL COMPLETION DIAGRAMS

Additional monitor wells downgradient of MW-1 were attempted during July 11, 2000 but encountered auger refusal at 25-feet and 37-feet below ground surface.

DISPOSITION OF GENERATED WASTES

The phase-separated hydrocarbons removed from MW-1 were disposed of at the EPFS Kutz Separator in Bloomfield, New Mexico.

ISOCONCENTRATION MAPS

Isoconcentration maps were not generated.

CONCLUSIONS

A total of 15.18 gallons of PSH has been recovered from MW-1 to date with approximately 2.25 gallons of the cumulative total removed in 2000. During 1999 more than five and a half gallons of PSH was removed from MW-1, indicating a reduction in PSH of more than 50 percent. The groundwater gradient has not yet been determined at this site.

The two additional downgradient wells, requested by NMOCD in correspondence dated July 28, 1999, were attempted on July 11, 2000. The first borehole was drilled to 37-feet below ground surface where refusal was encountered. The second borehole was drilled southwest of MW-1 to

EPFS GROUNDWATER PITS

2000 ANNUAL GROUNDWATER REPORT

25-feet below ground surface and encountered auger refusal. Groundwater appears to be localized to the former pit area. Soil samples were not taken during the drilling activities but monitoring was conducted using a photo-ionization detector (PID) and is recorded on the geologic logs in Attachment 1. Levels of hydrocarbons detected by the PID were minimal during the drilling of the first borehole and peaked at 340 parts per million at approximately 15-20 feet below ground surface in the second borehole. The field measurements recorded during drilling activities indicate potential horizontal migration but there is no evidence of vertical migration to groundwater.

RECOMMENDATIONS

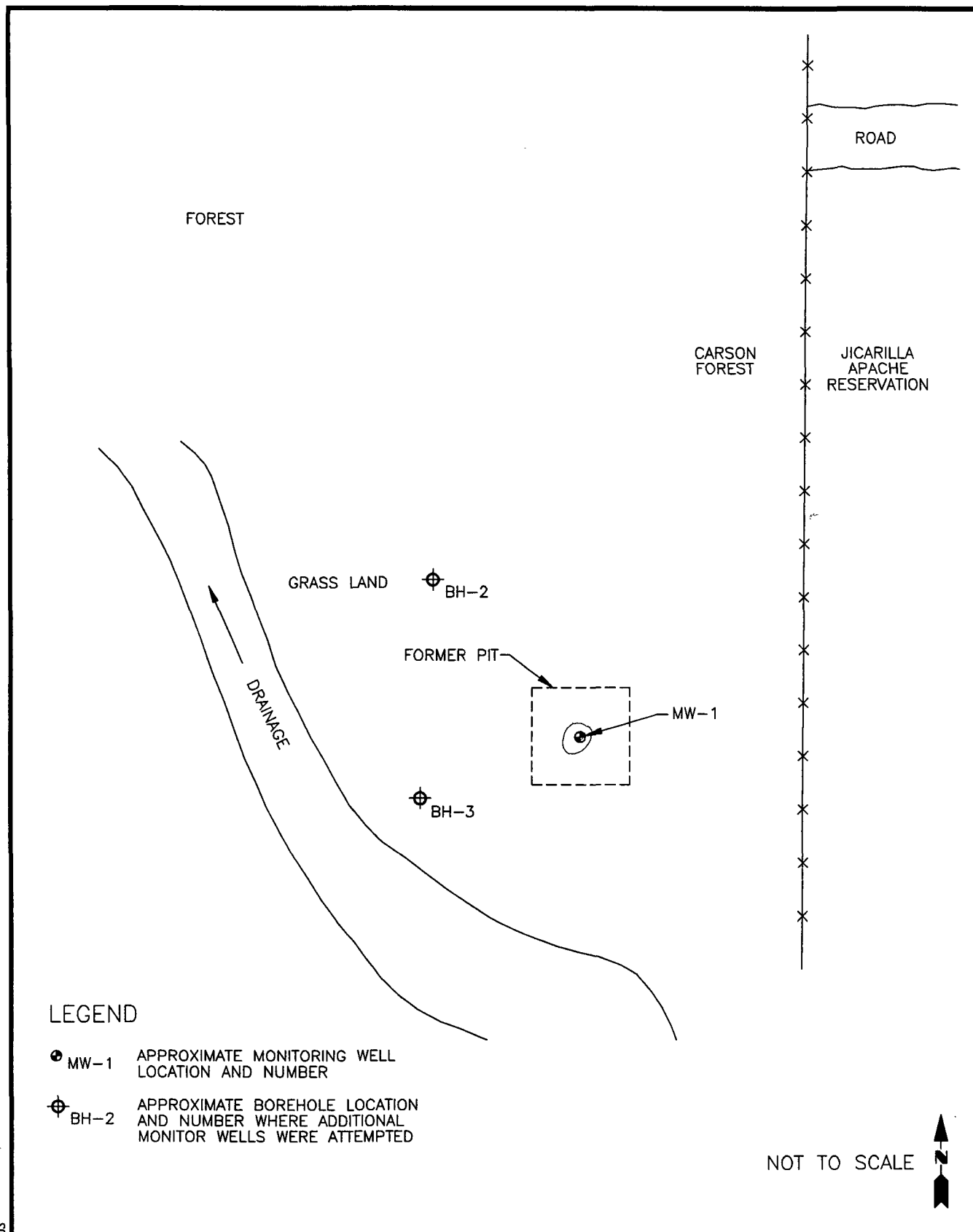
- Following removal of product, sample annually until BTEX levels are near New Mexico groundwater standards, then sample quarterly for closure.

EPFS Groundwater Report
2000 Annual Report

Table 1

March 2001

Meter/Line #	Location/Line Name	Date	MW	Depth to Product	Depth to Water	Product Thickness	Volume Removed Gallons	Cumulative Gallons
LD174	LAT. L-40 LINE DRIP	2/15/00	1	38.64	39.1	0.54	0.75	13.68
LD174	LAT. L-40 LINE DRIP	7/10/00	1	38.3	39.2	0.9	0.25	13.93
LD174	LAT. L-40 LINE DRIP	1/2/01	1	37.95	39.08	1.13	1.25	15.18



LEGEND

- MW-1 APPROXIMATE MONITORING WELL LOCATION AND NUMBER
- ⊕ BH-2 APPROXIMATE BOREHOLE LOCATION AND NUMBER WHERE ADDITIONAL MONITOR WELLS WERE ATTEMPTED

NOT TO SCALE

COL 628 00219AH-003



TITLE:

LAT L-40 LINE DRIP
LD174
JANUARY 22, 2001

DWN:
TMM
CHKD:
LW
DATE:
1/31/01

DES.:
CC
APPD:
MN
REV.:
0

PROJECT NO.: 62800219
EPFS GW PITS

FIGURE 1

ATTACHMENT 1

DRILLING RECORDS

RECORD OF SUBSURFACE EXPLORATION

Philip Environmental Services Corporation

4000 Monroe Road
Farmington, New Mexico 87401
(505) 326-2262 FAX (505) 326-2388

Borehole # 1701-02 #1

Well #

Page 1 of 1

Project Name EPFS Drilling
Project Number 62800219 Cost Code 35
Project Location T28-R4-S13-H

Elevation _____
Borehole Locatio LAT L-40 Line Drip
GWL Depth _____
Logged By J. Wagnon
Drilled By K. Padilla
Date/Time Started 07/10/00
Date/Time Completed NOT COMPLETE. REFUSAL
At 37'

Well Logged By J. Wagnon
Personnel On-Site R. Lefebvre
Contractors On-Site None
Client Personnel On-Site None

Drilling Method 4 1/4 ID HAS
Air Monitoring Method PID

Depth (Feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description Classification System: USCS	USCS Symbol	Depth Lithology Change (feet)	Air Monitoring Units: NDU BZ BH S	Drilling Conditions & Blow Counts
0								
5								
0952	1	5-7	10"	0-7' VERY COMPACT, DRY FINE-MED BROWN SAND (-) CLAY.			0.4 ppm	20 COUNTS
10								
1005	2	10-12	9"	7-12' VERY COMPACT DRY, FINE-MED GREY SAND			0.4 ppm	50 COUNTS
15								
11/00	3	15-17	10"	12-17' VERY COMPACT, DRY FINE-MED BROWN (-) GREEN SAND, (-) CLAY.			16.5 ppm	34 COUNTS
20								
0933	4	20-22	5"	17-22' BROWN-GREY FINE-MED, DRY SAND. (-) CALICHE LENSES.			1.0 ppm	50 COUNTS
25								
0951	5	25-27	0"	22-27' NO RECOVERY				50 COUNTS ADDED 4 gal H2O
30								
1005	6	30-32	3"	27-32' REDDISH- BROWN, FINE-MED LOOSE SAND.			0.9 ppm	33 COUNTS VERY SLOW + DIFFICULT.
35								
	7			37' DRY, XTALLINE, HARD MED GREY SAND. REFUSAL. BEDROCK(?)			0.8 ppm	
40								

Comments: Refusal at 37'. Will try drilling just SW of MW-01.

Geologist Signature

J. Wagnon

RECORD OF SUBSURFACE EXPLORATION

Philip Environmental Services Corporation

4000 Monroe Road
Farmington, New Mexico 87401
(505) 326-2262 FAX (505) 326-2388

Borehole # ~~ADD-02~~ BH-2
Well # _____
Page 1 of _____

Project Name EPFS Drilling
Project Number 62800219 Cost Code 35
Project Location T28-R4-S13-H

Elevation _____
Borehole Location LAT L-40 Line Drip
GWL Depth _____
Logged By J. Wagnon
Drilled By K. Padilla
Date/Time Started 07/10/00 7/11/00
Date/Time Completed NOT COMPLETE; REFUSAL AT 25'

Well Logged By J. Wagnon
Personnel On-Site R. Lefebvre
Contractors On-Site None
Client Personnel On-Site None
Drilling Method 4 1/4 ID HAS-HSA
Air Monitoring Method PID

Depth (Feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description Classification System: USCS	USCS Symbol	Depth Lithology Change (feet)	Air Monitoring Units: NDU BZ BH S	Drilling Conditions & Blow Counts
0								
5	1	5-10	12"	0-7' VERY DENSE RED-BROWN FINE-MED (-) CLAY, (-) CALICHE DRY.	SAND		4.1 PPM	37 COUNTS AT 6' DRILLING BECAME SLOW + TIGHT.
10	2	10-15	9"	7-12' DENSE, DRY BROWN-GREY FINE SAND UPPER 2" CLAYEY			181 PPM	50 COUNTS PID AT AUGER = 100 PPM DRILLING IS HARDER THAN AT PREVIOUS LOCATION.
15	3	15-20	9"	12-17' TOP 4" VERY DENSE GREY FINE, DRY SAND, BOTTOM 5" LOOSE MOIST BROWN FINE-MED SAND WITH HC ODOR.			340 PPM	50 COUNTS INITIAL SAMPLE PPM=627 DRILL GRINDING HARD
20	4	20-25	8"	17-22' LOOSE, BROWN FINE-MED SAND, SLIGHTLY MOIST, HC ODOR			101 PPM	50 COUNTS
25	5	25-30	9"	22-27' TOP 4" DRY FINE GREY SAND, BOTTOM 5" FINE-MED BROWN LOOSE DRY SAND.			346 PPM	50 COUNTS
30				REFUSAL AT 25'				
35								
40								

Comments: Refusal at 25' at 1245. Will pull out.

Geologist Signature Jean Wagnon



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

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MAR 29 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 dark ink that reads "Scott T. Pope".

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

LAT L-40 LINE DRIP
Meter/Line ID - LD174

SITE DETAILS

Legals - Twn: 28N Rng: 4W Sec: 13 Unit: H
NMOCD Hazard Ranking: 20 Land Type: FEDERAL
Operator: EL PASO FIELD SERVICES

PREVIOUS ACTIVITIES

Site Assessment: Feb-95 Test Excavation: Mar-95 Soil Boring: Sep-95
Monitor Well: Sep-95

1999 ACTIVITIES

Phase Separated Hydrocarbon (PSH) Removal - PSH removal from MW-1 continued in 1999 with the removal of 5.58 gallons.

Additional Monitor Wells - Well locations were staked for additional monitor wells and the United States Forest Service recently approved drilling the additional wells. We have requested access to cross Jicarilla owned land. We are still waiting for the Jicarilla Tribe to grant us access to the site.

SUMMARY TABLES

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

SITE MAP

A site map 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

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

ISOCONCENTRATION MAPS

None generated for this site.

CONCLUSIONS

A total of 12.93 gallons of PSH have been recovered from MW-1 and removed from the site to date. A total of 5.58 gallons of PSH was removed from the site in 1999. The PSH has been disposed of at the EPFS Kutz Separator in Bloomfield, New Mexico. The groundwater gradient has not yet been determined at this site.

Pertinent data from past groundwater reports includes the following: Quarterly groundwater samples have been over standards since sampling was initiated. In addition, product has been measured in MW-1.

FOREST

ROAD

CARSON
FOREST

JICARILLA
APACHE
RESERVATION

GRASS LAND X

FORMER PIT

MW-1

LEGEND

- MW-1 MONITORING WELL NUMBER AND APPROXIMATE LOCATION
- X APPROXIMATE LOCATION OF PROPOSED MONITOR WELLS

NOT TO SCALE



COL 17520AH-003



TITLE:

LAT L-40 LINE DRIP
LD174
12/14/98

DWN:

CJG

DES.:

CC

PROJECT NO.:

17520

CHKD:

CC

APPD:

DATE:

02/18/00

REV.:

0

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
LD174	Lat. L-40 Line Drip	01/19/99	1	37.76	38.14	0.38	0.25	7.60
LD174	Lat. L-40 Line Drip	02/25/99	1	37.27	38.07	0.80	0.33	7.93
LD174	Lat. L-40 Line Drip	06/08/99	1	37.09	39.61	2.52	1.25	9.18
LD174	Lat. L-40 Line Drip	06/09/99	1	35.86	39.17	3.31	0.00	9.18
LD174	Lat. L-40 Line Drip	09/16/99	1	37.36	38.76	1.40	1.00	10.18
LD174	Lat. L-40 Line Drip	10/12/99	1	37.38	38.20	0.82	1.50	11.68
LD174	Lat. L-40 Line Drip	10/28/99	1	37.85	39.48	1.63	0.50	12.18
LD174	Lat. L-40 Line Drip	11/04/99	1	37.46	38.02	0.66	0.50	12.68
LD174	Lat. L-40 Line Drip	12/15/99	1	38.75	39.26	0.51	0.25	12.93