

P. O. Box 1188 Houston, Texas 77251-1188

77251-1188 (713) 853-6161

January 24, 1995

Ms. Barbara Hoditschek New Mexico Environment Department Hazardous & Radioactive Materials Bureau 525 Camino de Los Marquez P.O. Box 26110 Santa Fe, NM 87502

RE: Report of Interim Corrective Measures Transwestern Pipeline Company Roswell Compressor Station Reporting Period: October 1, 1994 through December 31, 1994

Dear Ms. Hoditschek,

This letter report of interim corrective measures at the Roswell Station covers the calendar quarter of October 1994 through December 1994. In May 1994, Transwestern Pipeline Company (TPC) had obtained the services of a local contractor, Pool Environmental Drilling (Pool), to provide routine operations and maintenance services. Each month, Pool prepares and submits a spreadsheet report which details various information associated with the interim corrective measures system. A copy Pool's report, for each month within the reporting period is attached with this report.

| I. | Volume of Liquids Recovered (gallons) | During Reporting Period | To Date |
|-----|---|-------------------------|-------------|
| 1. | Phase Separated Hydrocarbons (PSH) | 1386 | 6,254 |
| 2. | Ground Water | 662 | 5,657 |
| 3. | PSH and Ground Water Combined | 2048 | 11,911 |
| II. | Accumulation Time for Recovered Liquids | | |
| 1. | Date liquids last removed from recovery tank | Octob | er 29, 1994 |
| 2. | Last day of reporting period | Decemb | er 31, 1994 |
| 3. | Accumulation time to last day of reporting period | bd | 63 days |

III. General Comments

On October 13, 1994, a technician with Marlin Environmental Products was on-site to inspect each recovery pump and make necessary repairs. The skimmer device on each pump was adjusted in order to minimize the collection of ground water. The contractor personnel responsible for routine operation and maintenance of the system were also trained to perform pump inspections and minor repairs.

No spills or leaks of recovered liquids were reported during the reporting period.

On December 1, 1994, TPC installed an upgradient monitor well (MW-6) approximately 500 feet southwest of the former surface impoundments. A ground water sample was collected from MW-6 and submitted for laboratory analysis. All existing on-site monitor wells were re-surveyed and tied to a common datum. The information obtained during installation of MW-6, the soil and ground water sample

analysis results, and the new survey information are included in the modified closure plan submitted to your attention on January 17, 1995.

On December 22, 1994, TPC collected ground water samples from the on-site deep observation well and an off-site well located just west of the facility. The results from laboratory analysis of the samples are included in the modified closure plan submitted to your attention on January 17, 1995.

The following comment is in regard to an event which occurred outside the reporting period but is significant enough to warrant noting at this time. On January 4, 1995, TPC removed the PSH skimmers from the recovery pumps set in wells MW-1 and RW-1. The purpose of this action was an attempt to more effectively remove liquids from these recovery points. As a result, approximately 1071 gallons of PSH and 158 gallons of water were recovered within a five day period (by January 9, 1995), the bulk of which was recovered from MW-1. The initial elevated recovery rate, however, has since stabilized at a rate much closer to the prior recovery rate. This action should have substantially reduced the thickness of PSH previously collected and measured in MW-1. More information regarding this issue will be available and presented in the next quarterly reporting period report.

If you have any questions regarding the content or format of this report, please contact me at (713) 646-7644 or George Robinson at (713) 646-7327.

NMOCD

Sincerely,

Bill Kendrick Projects Group Manager EOC Environmental Affairs

gcr/BK

cp w/enclosures:

Roger Anderson

Santa Fe, NM

Transwestern Pipline Facility Remediation System Maintenance Roswell, New Mexico

.

٠.

| Recovery Well Log Sheet | Month: | Dey: | ₩ell# | Product Level | Water Level | Pump # / MW # | Flow Rate | Cycle Time | Tank Recovered Fluid Level | Product | Water | Remarks: |
|--|--------|----------|-------|---------------|--------------|---------------|--------------------------------------|---------------------|--|--------------|--------------|--------------------------------------|
| Enron Roswell Remediation System Maintenance | Oct-94 | 1-Oct | | | | | | Pump on 20 sec. | | | | No Report |
| Transwestern Pipeline Facility | | 2-Oct | | | | | | ThreeCycle | | | | No Report |
| 6381 North Main Street | | 3-Oct | | | | | | Pump off 4 sec. | | | | Pumps 1,2,3,4 On, No spills or leaks |
| Roswell, New Mexico 88201 | | 4-Oct | | | | Pump 4 / MW-1 | Trace/60sec. | Vacuum On 10 sec. | | | | Pumps 1,2,3,4 On, No spills or leaks |
| | | 5-Oct | | | | Pump 1 / RW-1 | Trace/60sec. | Cycle delay 60 sec. | | | | Pumps 1,2,3,4 On, No spills or leaks |
| Prepared By: Pool Environmental Drilling, Inc. | | 6-Oct | | | | Pump 3 / MW-2 | 50ml | per 60 seconds | | | | Pumps 1,2,3,4 On, No spills or leaks |
| 712 E. College Street, P.O. Box 604 | | 7-Oct | | | | Pump 2/MW-1B | Trace/60sec. | | | 2* | Unknown | Pumps 1,2,3,4 On, No spills or leaks |
| Roswell, New Mexico 88202-0604 | | 8-Oct | | | | | | | | | | No Report |
| 505) 622-4859 | | 9-Oct | | | | | | | | | | No Report |
| Clayton M. Barnhill (505) 622-2012 | | 10-0ct | | | | | | | | | | Pumps 1,2,3,4 On, No spills or leaks |
| Consulting Geologist | | 10/11/94 | | | | | 1 | | ************************************** | | | Pumps 1,2,3,4 On, No spills or leaks |
| | | 12-Oct | | | | | | | | | 1 | Pumps 1,2,3,4 On, No spills or leaks |
| | | 13-Oct | RW-1 | No Product | 38.9' | Pump 1/RW-1 | Trace/ 2000 Se | ec. | | 3" | Unknown | Pumps 1,2,3,4 On, No spills or leaks |
| | | 14-Oct | MW-18 | 59.3' | 61.11' | Pump 2/MW-1B | 50 ML/ 60 sec | | | | | Pumps 1,2,3,4 On, No spills or leaks |
| | | 15-Oct | MW-2 | 58.10' | 61.1' | Pump 3/MW-2 | 20 ML/ 120 | ic. | | | | Pumps 1,2,3,4 On, No spills or leaks |
| | | 16-Oct | MW-1 | 48,5' | 59.0' | Pump 4/MW-1 | 120 ML/ 1000 | sec. | | | | No Report |
| | | 17-Oct | | | | | | | | | | Pumps 1,2,3,4 On, No spills or leaks |
| | | 18-Oct | | | | | | | | | 1 | Pumps 1,2,3,4 On, No spills or leaks |
| | | 19-Oct | | | | | | | | | | Pumps 1,2,3,4 On, No spills or leaks |
| | | 20-0ct | | | | | | | | 9" | All Product? | Pumps 1,2,3,4 On, No spills or leaks |
| | | 21-0ct | | | | | | | 1 | | | Pumps 1,2,3,4 On, No spills or leaks |
| | | 22-Oct | | | | Pump 1/RW-1 | Trace/ 2000 Se | ec. | 1 | | | Pumps 1,2,3,4 On, No spills or leaks |
| | | 23-Oct | | | | Pump 2/MW-1B | 50 ML/ 60 sec | | | | | No Report |
| ······ | | 24-Oct | 1 | | | Pump 3/MW-2 | 20 ML/ 120 se | | 1 | | - | Pumps 1,2,3,4 On, No spills or leaks |
| | | 25-Oct | | | | Pump 4/MW-1 | 120 ML/ 180s | | | | | Pumps 1,2,3,4 On, No spills or leaks |
| | | 26-Oct | | | 1 | | 1 | 1 | | | | Pumps 1,2,3,4 On, No spills or leaks |
| | | 27-Oct | | | | | | | | | | Pumps 1,2,3,4 On, No spills or leaks |
| | | 28-Oct | | | | | | | | | | Pumps 1,2,3,4 On, No spills or leaks |
| | | 29-Oct | | | Each Pump | Pump 1/RW-1 | Trace/1000 Se | | 1 | 1' 2" | No Water? | Pumps 1,2,3,4 On, No spills or leaks |
| | | 30-Oct | | | Measured for | Pump 2/MW-1B | 250 ML/ 600 Sec. 100 ML/ 300 Sec. | | | | | No Report |
| | | 31-Oct | | | 5 cycles | Pump 3/MW-2 | | | | | | Pumps 1,2,3,4 On, No spills or leaks |
| | | | | | | Pump 4/MW-1 | 600 ML/900 Sec. | | | | | |
| | | | | | | | | 1 | 1 | | | |
| | | | | | | | 1 | | 1 | | 1 | |
| | | 1 | | | | 1 | 1 | 1 | | 1 | 1 | |
| | | | | | | 1 | 1 | + | 1 | | | 1 |
| | | - | | | 1 | 1 | 1 | Totals: | 14 inches | 14 inches | 07 | Skimmers appear to be working |
| | | | | | | | | | 1 | | 1 | recovering free product only. |
| | | | | | | - | 1 | 1 | | · • | 1 | |
| | | | | | | 1 | 1 | 1 | | | | |
| | | | | | | + | | + | 31.5 gallons / inch of tank volume | 441 gallons | 1 | |
| | | | | | | | + | | | 14.2 gal/day | | |

Page 1

Transwestern Pipline Facility Remediation System Maintenance Roswell, New Mexico

.

.

| Recovery Well Log Sheet | Month: | Day: | Well# | Product Level | Water Level | Pump # / MW # | How Rate | Cycle Time | Tank Recovered Fluid Level | Product | Water | Remarks: |
|--|-------------|---|------------|---------------|-------------|---------------|------------------|------------|------------------------------------|-------------|--------------|---|
| Enron Roswell Remediation System Maintenance | Nov-94 | 1-Nov | | | | | | | | 1 | | Pumps 1,2,3,4 On, No spills or leaks |
| Transwestern Pipeline Facility | | 2-Nov | | | | Pump 1/RW-1 | Trace/ 2000 Se | <u>,</u> | | | | Pumps 1,2,3,4 On, No spills or leaks |
| 5381 North Main Street | | 3-Nov | | | | Pump 2/MW-1B | 50 ML/ 60 sec. | | | | | Pumps 1,2,3,4 On, No spills or leaks |
| Roswell, New Mexico 88201 | | 4-Nov | | | | Pump 3/MW-2 | 20 ML/ 120 sec | | | | | Pumps 1,2,3,4 On, No spills or leaks |
| | | 5-Nov | | | - | Pump 4/MW-1 | 120 ML/ 1000 e | ec. | | | | Pumps 1,2,3,4 On, No spills or leaks |
| Prepared By: Pool Environmental Drilling, Inc. | | 6-Nov | | | | | | | | | | Pumps 1,2,3,4 On, No spills or leaks |
| 712 E. College Street, P.O. Box 604 | | 7-Nov | | | | | | | 1' 2" | ? | 1' 2" | Pumps 1,2,3,4 On, No spills or leaks |
| Roswell, New Mexico 88202-0604 | | 8-Nov | | | | | | | | | | Pumps 1,2,3,4 On, No spills or leaks |
| 505) 622-4859 | | 9-Nov | | | | | | •• | | | | Pumps 1,2,3,4 On, No spills or leaks |
| Clayton M. Barnhill (505) 622-2012 | | 10-Nov | | | | | | | | | | Pumps 1,2,3,4 On, No spills or leaks |
| Consulting Geologist | | 11-Nov | | | | | | - | | | | Pumps 1,2,3,4 On, No spills or leaks |
| | | 12-Nov | 1 | | | 1 | | | | | 1 | Pumps 1,2,3,4 On, No spills or leaks |
| | | 13-Nov | 1 | | | 1 | 1 | ····· | | | 1 | Pumps 1,2,3,4 On, No spills or leaks |
| ······································ | | 14-Nov | 1 1 | | | | | | 1'4" | 2* | 1' 2" | Pumps 1,2,3,4 On, No spills or leaks |
| | | 15-Nov | 1 1 | | † | Pump 1/RW-1 | Trace/1000 Sec | | | | † | Pumps 1,2,3,4 On, No spills or leaks |
| | | 16-Nov | | | | Pump 2/MW-1B | 125 ML/ 600 Se | | | | 1 | Pumps 1,2,3,4 On, No spills or leaks |
| | | 17-Nov | | | | Pump 3/MW-2 | 125 ML/ 300 S | | | | + | Pumps 1,2,3,4 On, No spills or leaks |
| | | 18-Nov | | | | Pump 4/MW-1 | 250ML/900 Sec | | | | † | Pumps 1,2,3,4 On, No spills or leaks |
| | * * * * * * | 19-Nov | | | | | 2000.000 | | | | | Pumps 1,2,3,4 On, No spills or leaks |
| | | 20-Nov | | | | | | | | | + | Pumps 1.2.3.4 On. No spills or leaks |
| | | 21-Nov | 1 1 | | | | | | | | , | Pumps 1,2,3,4 On, No spills or leaks |
| | | 22-Nov | | | | Pump 1/8W-1 | Trace/ 2000 Se | | | | | Pumps 1,2,3,4 On, No spills or leaks |
| | | 23-Nov | | | | Pump 2/MW-1B | 50 ML/ 60 sec. | | | | | Pumps 1,2,3,4 On, No spills or leaks |
| | | 24-Nov | 1 | | | Pump 3/MW-2 | 20 ML/ 120 sec. | | | | | Pumps 1,2,3,4 On, No spills or leaks |
| | | 25-Nov | | | | Pump 4/MW-1 | 120 ML/ 120 sec. | | | | | Pumps 1,2,3,4 On, No spills or leaks |
| | | 26-Nov | | | | | TEO INE OUSEC. | | | + | ··· | Pumps 1,2,3,4 On, No spills of leaks |
| | | 27-Nov | | | | | | | 2' 7" | 1' 8" | | Pumps 1,2,3,4 On, No spills of leaks |
| · · · · · · · · · · · · · · · · · · · | | 28-Nov | RW-1/p1 | 39' 3 1/2 " | 39' 5" | | | | 2 / | 10 | | Pumps 1,2,3,4 On, No spills or leaks |
| | | 29-Nov | MW-1B/p2 | 59' 7 1/2" | 59' 81/2" | | | | | | | Pumps 1,2,3,4 On, No spills of leaks |
| | | 30-Nov | MW-2/p3 | 59' 7" | 59' 8" | | | | | -+ | + | Pumps 1,2,3,4 On, No spills or leaks |
| | | 00 1101 | MW-1/p4 | 48' 11 1/2" | 59' 4" | | | | | | | Fullips 1,2,3,4 OII, NO spills of leaks |
| | | <u> </u> | 14144-17p4 | 40 11 1/2 | 53 4 | | | | | _ | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | I | | | | | | | _ | | |
| | | l | <u></u> ∤ | | | | | | | | | |
| | | | | ··· ·· ··· | | | | T | 04/ | 20 | 11 : | |
| | | | | | | | | Totals: | 31inches | 20 inches | 11 inches | |
| | | · · · · · — · — · — · — · — · — · — · — | | | | -+ | + | | | | | |
| | | | | | <u> </u> | | | | | | <u> </u> | |
| | | | ł | | | | - + | | | 1 | | |
| | | l | | | ļ | | | | 31.5 gallons / inch of tank volume | 630 gallons | | |
| | I | | L | | | 1 | 1 | | 976 gallons/32.5 gallons per day | [21 gal/day | 11.5 gal/day | <u> </u> |

Page 1

r

Transwestern Pipline Facility Remediation System Maintenance Roswell, New Mexico

. .

.

| Recovery Well Log Sheet | Month: | Day: | Weil # | Product Level | Water Level | Pump # / MW # | Flow Rate | Cycle Time | Tank Recovered Ruid Lavel | Product | Water | Bemarke: | Inspector | Time |
|--|--------|------------------|---------------------|---------------|-------------|-----------------------------|------------------|------------|------------------------------------|--------------|--------------|--------------------------------------|-----------|---------------------------------------|
| Erron Roswell Remediation System Maintenance | Dec-94 | 1-Dec | | | | Pump 1/RW-1 | Trace/ 2000 Se | | 2' 7" | 1' 8" | 117 | Pumps 1,2,3,4 On, No spills or leaks | CMB | 4-4:30 p.m. |
| Transwestern Pipeline Facility | | 2-Dec | | | | Pump 2/MW-1B | 50 ML/ 60 sec. | | | | | Pumps 1,2,3,4 On, No spills or leaks | CMB | 8:30-8:45 a.m. |
| 6381 North Main Street | | 3-Dec | | | | Pump 3/MW-2 | 20 ML/ 120 | c. | | | | Pumps 1,2,3,4 On, No spills or leaks | CMB | 10:20-10:30 a.m. |
| Roswell, New Mexico 88201 | | 4-Dec | | | | Pump 4/MW-1 | 120 ML/ 60sec | | | | | Pumps 1,2,3,4 On, No spills or leaks | CMB | 11:15-11:30 a.m. |
| | | 5-Dec | | | | | | | | | | Pumps 1,2,3,4 On, No spills or leaks | JNH | 4:20-4:35 p.m. |
| Prepared By: Pool Environmental Drilling, Inc. | | 8-Dec | | | | | | | | | | Pumps 1,2,3,4 On, No spills or leaks | JNH | 4:35-4:50 p.m. |
| 712 E. College Street, P.O. Box 604 | | 7-Dec | 1 | | | | | | | | | Pumps 1,2,3,4 On, No spills or leaks | JNH | 10:55-11:10 a.m. |
| Roswell, New Mexico 88202-0604 | | 8-Dec | | · · · | | | | | | | | Pumps 1,2,3,4 On, No spills or leaks | JNH | 4:40-4:55 p.m. |
| (505) 622-4859 | | 9-Dec | | | | | | | | 1 | | Pumps 1,2,3,4 On, No spills or leaks | JNH | 4:35-4:50 p.m. |
| Clevton M. Barnhill (505) 622-2012 | | 10-Dec | | | | | | | | | | Pumps 1,2,3,4 On, No spills or leaks | CMB | 6:00-6:15 p.m. |
| Consulting Geologist | | 11-Dec | | | | | | | | | | Pumps 1,2,3,4 On, No spills or leaks | CMB | 3:30-3:45 p.m. |
| | | 12-Dec | | | | | | | 3' 1" | 2' 1" | 1' | Pumps 1,2,3,4 On, No spills or leaks | CMB | 3:00-3:30 p.m. |
| | | 13-Dec | | | | | | | | | | No Report | CMB | No Report |
| | | 14-Dec | | | | Pump 1/RW-1 | 25ML/60 Sec. | | | | | Pumps 1,2,3,4 On, No spills or leaks | CMB | 9:00-9:41 a.m. |
| | | 15-Dec | | | | Pump 2/MW-1B | 10 ML/ 120 | ¢. | | 1 | | Pumps 1,2,3,4 On, No spills or leaks | CMB | 3:00-3:22 p.m. |
| | | 16-Dec | 1 1 | | | Pump 3/MW-2 | Trace/ 60 sec. | 1 | | | | Pumps 1,2,3,4 On, No spills or leaks | CMB | 9:45-10:05 a.m. |
| | | 17-Dec | t t | - A.Y. | | Pump 4/MW-1 | Trace/ 2000 ce | C., | | | _ | Pumps 1,2,3,4 On, No spills or leaks | CMB | 10:00-10:20 a.m. |
| | | 18-Dec | 1 1 | | | 1 4111 | | T | | | | Pumps 1,2,3,4 On, No spills or leaks | CMB | 1:30-1:50 p.m. |
| | | 19-Dec | | | | | | | | | | Pumps 1,2,3,4 On, No spills or leaks | CMB | 6:30-6:45 p.m. |
| | | 20-Dec | ++ | | | | | | | | | Pumps 1,2,3,4 On, No spills or leaks | CMB | 5:30-5:45 p.m. |
| | | 21-Dec | + + | | | | | | | | | Shut off Pumps for Aquifer Sampling | CMB | 7:30-7:50 a.m. |
| | | 21-Dec | ++ | | | | | | | | | Shut off Pumps for Aquifer Sampling | CMB | 8:00a.m5:00p.m |
| | | 23-Dec | <u>↓ </u> | | | | | | | | | Pumps 1,2,3,4 On, No spills or leaks | CMB | 2:40-2:50 p.m |
| | | 23-Dec | | | | | | | | | | Pumps 1,2,3,4 On, No spills or leaks | CMB | 1:00-1:15 p.m |
| | | 25-Dec | ├ ──- · | | | | | | | | | Pumps 1,2,3,4 On, No spills or leaks | CMB | 1:30-1:45 p.m |
| | | 25-Dec | łł | | | | | | | 1 | | Pumps 1,2,3,4 On, No spills or leaks | CMB | 10:15-10:30a.m. |
| | | 27-Dec | + | | | | | | | 1 | | Pumps 1,2,3,4 On, No spills or leaks | CMB | 7:45 - 8:00 p.m. |
| | | 27-Dec | ++ | | | | + | | | | | Pumps 1,2,3,4 On, No spills or leaks | CMB | 9:00 - 9:15 p.m. |
| | | 29-Dec | + + | | | | | | | + | | Pumps 1,2,3,4 On, No spills or leaks | CMB | 7:00 - 7:20 a.m. |
| | | 29-Dec 30-Dec | ++ | | | | | | 4' 3" | 2' 6" | 1' 9" | Pumps 1,2,3,4 On, No spills or leaks | CMB | 10:00-11:30 a.m. |
| | | 31-Dec | RW-1/p1 | 38' 10" | 38' 11" | Pump 1/RW-1 | 25ML/60 Sec. | | 43 | 2.0 | | | 1 | |
| | | 31-0-60 | MW-1/p1 MW-1B/p2 | 59' 1* | 59' 1.5" | Pump 2/MW-18 | 10 ML/ 120 se | I | | | | | + | |
| | | | MW-1B/p2 MW-2/p3 | No Product | 59'1.5' | Pump 2/MW-18 Pump 3/MW-2 | Trace/ 60 sec. | c. | | | | | 1 | |
| | | | MW-1/p4 | 48' 6.5" | 59' 1" | | Trace/ 2000 sec. | | | + | | | | · · · · · · · · · · · · · · · · · · · |
| | | | MW-1/p4 | 48. 0.5. | 59.1. | Pump 4/MW-1 | 11ace/ 2000 se | C | | | | | 1 | |
| | | | + + | | | | | | | | | | | |
| | | | + + | | | + | | Totals: | 20 inches | 10 inches | 10 inches | | | |
| | | | łł- | | | | | 101813: | 20 inches | iv inches | 10 inches | | - | |
| | | | 1 | | | | | | | | | | | |
| | | | ↓ | | | | | | | | | | | |
| | | | 1 | | | | | | | | OIF | | - | |
| | | | | | | | | | 31.5 gallons / inch of tank volume | 315 gallons | | | | |
| | | | | | | | | 1 | 630 gallons/20.3 gallons per day | 10.2 gal/day | 10.2 gal/day | | | |

Page 1