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Transwestern Pipeline Company
TECHNICAL OPERATIONS
P. O. Box 1717 • Roswell, New Mexico 88202-1717

file

July 26, 1993

XI

Mr. Edward Horst
Program Manager
Hazardous and Radioactive Materials Bureau
New Mexico Environment Department
525 Camino de los Marquez
Santa Fe, New Mexico 87502

Dear Mr. Horst:

Enclosed find a copy of a letter report describing remediation activities at Transwestern Pipeline Company's Roswell, New Mexico Compressor Station. This report describes Transwestern's initial efforts to remove the contaminated liquids from the upper perched zone.

Additional product recovery wells have been recently installed in this upper perched zone to expedite the removal process. This information will be forwarded to your agency as it is received.

Sincerely,

Larry Campbell

Larry Campbell
Division Environmental Specialist

xc: Greg McIlwain
Lou Soldano
Raymond Hollon
file

ENRON
PIPELINE & LIQUIDS GROUP

P. O. Box 1188 Houston, Texas 77251-1188 (713) 646-7000

July 12, 1993

Mr. Larry Campbell
Compliance Environmentalist
Transwestern Pipeline Company
6381 N. Main St.
Roswell, NM 88201

RE: Installation of a liquid recovery pump in well MW-1 at the Transwestern Pipeline Company Compressor Station No. 9 (Roswell, NM).

Dear Mr. Campbell,

Group Technical Services (GTS) installed a liquid recovery pump in well MW-1 at the Transwestern Pipeline Company Compressor Station No. 9 (Roswell, NM) on May 21, 1993 for the purpose of recovering free phase hydrocarbon. The details of the installation are as follows:

The primary objective was to initiate free phase hydrocarbon recovery from MW-1. The reason for initiating free phase hydrocarbon recovery was twofold: first, recovering liquids from this well prevents the continued migration of free phase hydrocarbon from the uppermost perched zone to the lower perched zone, and second, removing free phase hydrocarbon is a necessary step in cleaning up the lower perched zone. A secondary objective is to gather information regarding the potential free phase hydrocarbon recovery rate. This information is essential to designing an effective full scale recovery system.

The recovery pump that was installed is a Purge Master HR4500LB gas displacement pump. The controller is a Pulse Link L360. The pump and controller require a minimum of 4 SCFM of air at 100 psig. Other associated equipment includes an air filter, well cap, exhaust valve, and discharge and air tubing. This equipment has been purchased through QED Environmental Systems.

The pump was initially installed such that the pump inlet was at the hydrocarbon/water interface (61 ft. below TOC). However, due to insufficient recovery rate, the pump inlet was lowered to approximately 24 inches below the initial hydrocarbon/water interface (63 ft. below TOC). The exhaust valve was placed at 35 ft. above the pump intake. The pump has continued to operate on a 24 hour/day basis since it was first installed. Total recovery as of June 23, 1993 (33 days operating) was approximately 930 gallons of liquid (100% hydrocarbon, no water). Recovered liquids are stored in a 10,000 gallon tank that is located near the recovery well. The liquids will periodically be removed from the storage tank and properly disposed of by Transwestern Pipeline Company.

The following figure illustrates the placement of the recovery pump:

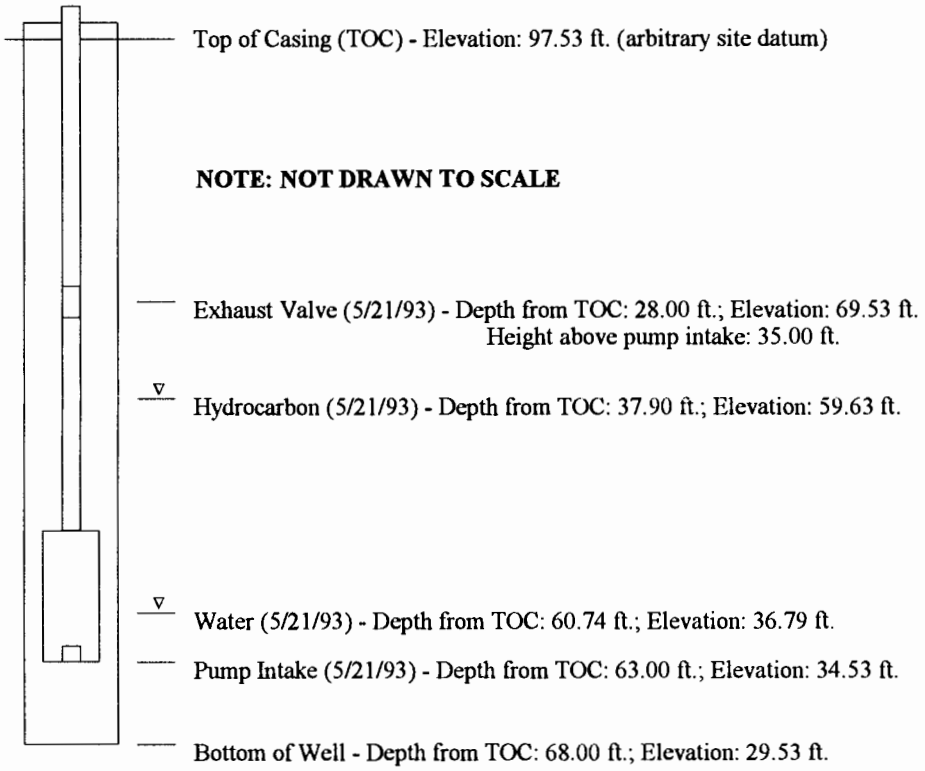

Figure 1: Monitoring Well Schematic Diagram with Recovery Pump Installed

Sincerely,

James C. Robinson
Contract Environmental Engineer
ENRON Pipeline and Liquids Group
Group Technical Services
Environmental Affairs Department
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Houston, TX 77251-1188
(713) 646-7696

cc:

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