STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE

TONEY ANAYA
GOVERNOR

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AZTEC, NEW MEXICO 87410
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June 3, 1985

Mr. Jeff Taylor
Oil Conservation Division
P.O. Box 2088
Santa Fe, NM 87501

Re: Manvar Mining
Manvar #1 A-20-14N-7W

Dear Jeff:

The referenced well was spud November 11, 1983. Insufficient surface pipe and improper cementing methods were used and fresh water estimated at 37 GPM broke to surface outside surface pipe. Manvar drilled the hole to TD, ran 4 1/2" casing to 1200 feet and cemented it with 25 sacks of cement, with water still flowing unchecked. On January 4, 1984, they squeezed the bradenhead with an unknown amount on cement. This was unsuccessful.

A hearing was called on May 9, 1984, and Manvar Mining and Ohio Casualty Insurance Company, were directed to plug and abandon the well in accordance with a Division approved plugging program, or to properly case and cement the well and return it to active drilling, or production status, on or before May 21, 1984. Manvar mining did not comply.

We moved an Odeco Inc. rig on location on June 1, 1984. On July 2, we went in hole with tubing to TD (1274) and set a cement plug 1274'-1054' with 20 sacks of Class A cement. Came out of hole with tubing and perforated 4 1/2" casing, 710'-720' with 2 shots/ft. Had immediate fresh water flow estimated at 30 GPM up casing. Did not communicate with surface flow. Squeezed perfs with 150 sacks of Class B cement with 3% CaCl2. Waited on cement 3 hours. Went in hole with wire line and tagged top of cement at 564'. Perforated casing 390'-400' with 2 shots/ft. Got a heavy water flow estimated at 100-200 GPM up casing. Flow was communicating with surface flow. Squeezed bradenhead with 250 sacks of Class B cement with 3% CaCl2. Left water flow going up casing. Surface flow was shut off. Left bradenhead shut in and casing flowing overnight. Returned at 7:00 AM on June 3. Surface flow still shut off. Shut in casing. Flow still shut off after 2 hours. Ran 2 3/8" tubing and a homemade packer to 180'. Filled tubing anulus with 17 sacks of Class A cement. Left well for a water well for the Lee Ranch.

After about one week, water reportedly broke to the surface in several places around the well.

On May 21, 1985, Frank Chavez and I inspected the site and found a heavy water flow surfacing in several places around the perimeter of the location.

On May 28, 1985, I accompanied Doyle Baxter with Odeco Inc., to the well and squeezed the perfs with 265 sacks of Class B cement with 3% $CaCl_2$. Cement did not circulate. Water flow appeared to be abating rapidly. Returned to well on May 29, and pressured up on perfs to 250 Psi. Held pressure for 15 minutes. Water flow was down to less than 1/2 gallon a minute and still abating. I believe it will eventually dry up completely.

Yours truly,

Charles Gholson
Oil & Gas Inspector

CG/dj

xc: Richard Stamets
Well File
Operator File