







**Amoco Production Company (USA)**

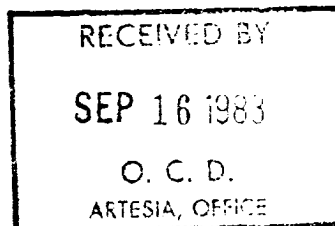
Post Office Box 68  
Hobbs, New Mexico 88240

S. J. Okerson  
District Superintendent

September 14, 1983

File: SJ0-443-WF

Re: Four-Point AOF Test  
State "MT" Com No. 1  
Sec. 1, T-27-S, R-28-E  
Eddy County, New Mexico



New Mexico Oil Conservation Division  
Artesia Sub District  
P. O. Drawer DD  
Artesia, NM 88210

Gentlemen:

In reference to the Four Point Test conducted on our State "MT" Com No. 1, located in Unit I, Section 1, T-17-S, R-28-E, Eddy County, New Mexico, please note that this test appears erroneous due to freezing of the choke and test equipment and due to liquid production and that the CAOF of 528 MCFD is not representative of the subject well's absolute open flow. Though this test is not representative, it is concluded that re-running the test is not necessary to arrive at a representative CAOF for the subject well. The State "MT" Com No. 1 was flow tested through a separator and orifice flow test meter from July 17 through 19, 1983 at stabilized rate of 60 BCPD, 0 BWPD and 1740 MCFD through a 12/64" choke at 575 psi FTP followed by a BHP-Dip in survey of 3015 psia. Using the static BHP of 3015 psia, the stabilized flow rate of 1740 MCFD, an extrapolated flowing BHP of 733 psia from a corresponding flowing tubing pressure of 575 psi through a 12/64" and assuming laminar flow ( $n = 1$ ), in the Fetkovich equation  $[Q = C (P_c^2 - P_w^2)^n]$ , the CAOF in this well is 1849 MCFD.

Yours very truly,

*S. J. Okerson* *AN*

Attachments

mailed a  
copy of this  
to Shogner in SF  
for calculations

Les.