

August 29, 1983

File: SJO-421-WF

Re: 4-Point AOF Test
Federal "CW" Com No. 1
Sec. 3, T-23-S, R-34-E
Lea County, New Mexico

United States Department of the Interior
Bureau of Land Management
Roswell District Office
P. O. Drawer 1857
Roswell, NM 88201

Gentlemen:

In reference to the Four Point Test conducted on our Federal "CW" Com No. 1, located in Unit P, Section 3, T-23-S, R-34-E, Lea County, New Mexico, please note that the first and third points do not fall on the 45° line used to calculate the AOF of 1562 MCFD (see attached graph). We feel that these points are erroneous due to liquid since the well did make 20 bbls of condensate during the test. It is our conclusion that re-running the test would produce similar results. It is also concluded that the CAOF of this test based on the second and fourth points is representative of this well's potential based on previous flow test data. Using a static BHP of 6907 psia, an average flow rate of 1400 MCFD with an extrapolated flowing BHP of 1000psi from a corresponding flowing tubing pressure of 650 psi through a 19/64" choke, 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 1431 MCFD.

Yours very truly,

by
J. J. OLSEN

Attachments

RER/ksm
PPOSW1-B

RECEIVED
SEP 14 1983
O.C.D.
HOBBS OFFICE