

OPERATOR: Union Oil Company of California
LEASE: Windmill Federal
WELL NO.: 1
POOL: Wildcat
LOCATION: Section 5, Unit Letter J.
Township 10 South, Range 31 East,
Chaves County, New Mexico

DRILL STEM TESTS

- D.S.T. No. 1 - 9,983' to 10,014' - Atoka Sand - Opened tool for 15 minute pre-flow, good blow, no gas to surface. Closed tool for 1 hour I.S.I.P. Opened tool for 1 hour with good blow, no gas to surface. Closed tool for 3 hour F.S.I.P. Pulled tool, recovered 121' of slightly gas cut drilling mud. 15 minute I.F.P. 60#-72#, 1 hour I.S.I.P. 231#, 1 hour F.F.P. 60#-72#, 3 hour F.S.I.P. 931#, I.H.P. 5314#, F.H.P. 5314#, Bottom Hole Temperature 166 degrees.
- D.S.T. No. 2 - 10,250' to 10,275' - Opened tool for 15 minute pre-flow, good blow. Closed tool for 1 hour I.S.I.P. Opened tool for 90 minutes, good blow with gas to surface in 15 minutes at rate of 95 MCF/D to 56 MCF/D at end of test. Pulled tool, recovered 95' of drilling mud. 15 minute I.F.P. 98#-115#, 1 hour I.S.I.P. 3003#, 90 minute F.F.P. 47#-68#, 4-1/2 hour F.S.I.P. 3129#, I.H.P. 5440#, Bottom Hole Temperature 172 degrees.

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