

Federal 1-30A Supplementary Well History (continued)

9/4/61 Spotted bridge plug, top drillable Baker magnesium @ 6035. Perforated 6015-6020, with 4 shots per foot. After perforating immediate pressure rise indicating communication with 2nd stage. Perforated 5967-5979 and 5945-5957 with 4 shots per foot. Fraced zone with 20,000# 20-40 sand, 20,000 gallons jelled water.

Dropped 20 balls immediately in attempt to seal off communicative perfs. Formation broke down @ 1500#. Treated @ 2000# @ 46 bbls per minute. Immediate shut-in pressure 1200#.

9/5/61 Well started kicking immediately after frac. Started blowing well through casing. Well gauged after flowing 6 hours 1,947 Mcf. Picked up tubing and bit. Set drilling head. Went in and cleaned out sand and bridge plug, set @ 6035. Came out of hole with tubing and bit. Laid down bit. Picked up 4' perfor joint and 4' pup joint w/bull plug. Ran 191 jts. 2-3/8" EOL tbg. with perforated joints and pup. Landed @ 6015. Nippled up well head. Laid flow line. Started flowing well. Well kicked off immediately. Flowed back head of water.

Shut well in for 2 hours. Pressure built to 1000#. Opened well and started flowing.

At one hour well gauged 2,400 Mcf.

Casing flowing pressure 700#.

Started making mist of water.

