

STERLING DRILLING CO.

BOX 129

STERLING, KANSAS 67579

February 7, 1981

Mayhew "A" 3-4

Location - 330' FSL 330' FWL S/2 Lot 2, Sec. 4-26-16
Edwards County, Kansas

Elevation - 2076' GL. 2085' KB.

Surface casing - 8 5/8" set at 445' with 400 sacks cement

Long String - 4 1/2", 10.5#, 8rd casing set at 4545' with 225 sks

R.T.D. 4550'

P.B.D. 4524'

Ran Bond Log 1-30-81. By Dresser Atlas

- 2-4-81: Moved in Gable Well Service and rigged up. Swabbed well down 1800'. Rigged up Dresser Atlas and perforated 4 holes per foot. 4431' - 35' at 10:10 AM. Finish swabbing hole down. Left bottom at 11:15 AM. Ran swab in 20 minutes. Recovered just enough fluid to cover tools. No show. Rigged up Halliburton and acidized with 250 gallons MCA and 750 gallons NE acid 15%. Hole did not load at 6 B.P.M. and fluid was down hole 1350' when started to swab at 1:00 PM. Total load 100 barrels. Left bottom at 2:15 PM. Recovered 58.34 barrels. Lack 41.66 barrels. 1st. 30 minutes 2.34 barrels, good show oil, 1500' gas ahead pull. 2nd 30 minutes 2.34 barrels, 9" overall, 5" oil, 2000' gas ahead pull. 3rd 30 minutes 1.75 barrels 8 1/2" overall, 2 1/2" oil, 2200' gas ahead pull. 4th 30 minutes 1.75 barrels, 9" overall, 3" oil, 2200' gas ahead pull. 5th 30 minutes, 1.17 barrels, 9" overall, 4 1/2" oil, 2200' gas ahead pull. Left orbit valve open part way to tank at 5:00 PM. Still lack 32.51 barrels of acid load.
- 2-5-81: Well gassing at 6:30 AM. Ran swab 2800' down to fluid or 1631' above perforation. 1200' oil, 431' acid load water. Rigged up Halliburton and fractured well with 571 barrels gelled salt water and 10,000# 20-40 and 10,000# 10-20 sand. Max. pressure 1400#. Job completed at 11:33 AM. Instant shut down 400#; 300# in 5 minutes, on vac in 10 minutes. Will start swabbing back at 3:00 PM. 1900' down to fluid. Swabbed back 51.36 barrels. 1st hour show gas fluid level 2,000' down. 2nd hour 47.35 barrels. Fluid level 2200'. Show gas. No show of oil. Drained tank down to 2' 2". Swabbed out 98.71 barrels. Lack 472.29 barrels. Left 5 1/2" orbit partly open to swab tank.
- 2-6-81: Well gassing some at bleeder at 6:45 AM. Ran swab 1500' down to fluid. No show oil on top fluid at 7:15 AM. Trace oil on 3rd pull. Fluid is gassy. 1st. hour 45.34 barrels, fluid level 2200'. 2nd hour 57.17 barrels, Swabbing from 2600', better show oil. 3rd hour 57.17 barrels, swabbing from 2600' 6 1/2" fluid 1" oil at 10:00 AM. 4th hour 59.22 barrels, swabbing from 2600'. 5th hour 60.28 barrels, swabbing from 2600'. 6th. I was relieved by Poole at 2:00 PM. He will have the rest of the information. Well kicked off flowing through casing. Hooked to Halliburton tank so could flow over night.

Olin Kelso
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