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Petroleum Geologist

W.F.

9-15-1976

SE SE SW

Douglas

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Rec'd
May 5, 1977
K.S. Geol. Surv.
Lawrence,
KS

KOEPEL 1 HIRD

SE SE SW

Section 9-T15S-R19E

Douglas County, Kansas

Completion Data

API # 15-045-20043

d 10508

Rotary total depth 1656 ground level. 4 1/2" casing set at 1652 with 25 sacks of cement.

11-15-76. Moved in Lewis Long completion tools, Ralph Jardot, driller. Rigged up. Swabbed load, drilled cement.

11-16-76. Drilled plug and shoe, cleaned out to bottom, bailed slight show of oil.

11-17-76. 30' of fillup overnight (30' of rotary mud and water). Dumped 100 gallons of 15% HCl Acid and loaded hole with water, let set 2 hours, swabbed and bailed hole dry - some acid recovered (not spent).

11-18-76. 30' of fillup (10 gallons oil, balance mud). Drilled to 1658 1/2 (2 1/2') in Sandy Dolomite and Chert with fair shows top 2' - tested for 2 hours, recovered 15 gallons fluid, trace of oil.

11-19-76. 5 gallons fluid in hole (4 gallons oil and 1 gallon mud). Pumped in 250 gallons mud acid at 400% maximum pressure, rate 3 barrels per minute. Let set 1 hour, swabbed hole dry - tested 16 gallons fluid/hour (12 gallons oil, 4 gallons water. Shut down over weekend.

11-22-76. 65 hour fillup was 550' of fluid (300' oil and 250' acid water) oil checked at 17.2 gravity, and water would break out at 110°. Acidized with 1500 gallons 20% HCl acid. Broke at 500% and treated at 400% with rate of 6 barrels per minute and at 200% with rate of 4 barrels per minute. Let set 2 hours, swabbed hole, bailed 9 gallons fluid (4 gallon oil-5 gallons water every 4 minutes.)

11-23-76. 14 hour fillup 685' (200' oil and 485' oil cut acid water - slightly salty). Swabbed hole dry - bailed at rate 10 gallons fluid every 4 minutes (5 gallons oil and 5 gallons water) let hole set 1 hour, swabbed out 70' of fillup (estimated 50% oil).

11-24-76. Checked total fillup (943'). Rigged down and moved off. Will run rods and tubing and pump into temporary tank. Well pumped into test tank for approximately 3 weeks - Production declined to 2 BOPD + 20 BWPD - well plugged