

STERLING DRILLING CO.

BOX 129

STERLING, KANSAS 67579

February 19, 1982

Cudney "A" 9-4

Location: 1216' FNL 990' FWL NW/4, Sec. 4-26-16, Edwards County, Kansas.

Elevation:

Surface casing: 8 5/8", 24#, set at 433' W/ 375 sacks cement.

RTD: 4560'

Long String: 112 joints 4½" 10.5# 8rd range 3 set at 4555' KB W/
75 sks Howco Lite + 100 sks 50-50 Poamix, Holl mix shoe jt.
14.83' on 1-24-82.

1029-82 Ran Bond & Correlation log, Good cement up to 3706'.

2-10-82 Moved in Basye Well Service. Rigged up and swabbed well down 2300'.

2-11-82 Rigged up Dresser Atlas and perforated 4 holes per foot 4464' - 68' at 8:45 AM. Finished swabbing well down. Left bottom at 10:30 AM. No show. Let set 1 hour. Ran swab. Recovered 10 gallons fluid scum oil. Rigged up Halliburton and fractured. Recovered 10 gallons fluid scum oil. Rigged up Halliburton and fractured well with 250 gallons MCA + 750 gallons NE 15% acid. 571 bbls gelled salt water. 10,000# 20-40 + 10-20 sand maximum pressure. 1900# average treating pressure 1800# at 25 BPM. Instant shut down 850#, down to 650# in 5 minutes, 350# in 15 minutes on vac in 1 1/2 hours. Put orbit on well and lub & ready to swab in the morning. completed at 3:30 PM.

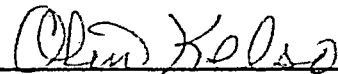
2-12-82 Ran tools without swab to check for sand. Fluid 1800' down from surface. No sand on bottom. Started swabbing at 8:45 AM. 1st hr. 58.22 bbls fluid. No show, swabbing from 2500'; 2nd hr. 44.02 bbls fluid, no show, swabbing from 2500'; 3rd hr. 45.44 bbls fluid, good show oil & gas, swabbing from 2500'; 30 minutes 28.40 bbls fluid, real gassy and good show oil, 10" fluid, 2" oil, swabbing from 2800'. Took cup off and checked for sand after eating dinner. Fluid level 2100' 4' sand on bottom. 5th hr. 51.42 bbls fluid, 2" fluid, 2½" oil, swabbing from 3700'; 6th hr. 24.15 bbls fluid, 7 3/4" fluid, 2½" oil swabbing from 4000'; 30 minutes 14.20 bbls fluid, 9" fluid 2" oil swabbing from 4000'. (fluid level 6th hr & 30 min. 3500' down)
Took off cup and checked for sand. 10' sand on bottom. Left well hooked to tank with orbit cracked a little. Swabbed back 266.64 bbls fluid today. Shut down at 4:15 PM

Cudney "A" 9-4

Feb. 20, 1982

2-15-82

Well gassing good at 7:30 AM. Ran tools to check for sand. 2200' down to fluid. 12' sand on bottom, which leaves 50' rat hole below perforation. Rigged up and ran 1' x 2" EUE 8rd seating nipple. 80 joints plain 2 3/8" EUE 8rd 2484.53' threads off + 61 joints plastic lined 2 3/8" EUE 8rd. 1967.01 threads off for a total of 141 joints 4451.54' threads off set at 4457' KB. Ran 2" x 1 1/2" x 12' top hold down double valved pump. 30" of 1" gas anchor with strainer on bottom. 177 3/4" WCN #78 rods 1-4' pony rod 1 1/2" x 16' polish rod.



Olin Kelso

Production Superintendent

OK:skp