



FORMER SHEETS 1-150 20M
 18-8N-5300
 MAY 25 1964

GEOLOGICAL DATA AND DRILLING AND COMPLETION PROCEDURE

| FORMATION OR DATE | TOP-DEPTH INTERVAL | REMARKS OR DESCRIPTION AND RESULTS OF WORK OIL & GAS CONSERVATION COMMISSION |
|-------------------|--------------------|---|
| | | <p align="center"><u>ELECTRIC LOG FORMATION TOPS</u></p> <p>Nidbrara 4003' Ft. Hayes 4368' Carlile 4416' Greenhorn 4613' "D" 4862' "J" 4965' Total Depth 5055'</p> <p align="center"><u>"J"-Zone (4981'-4990')</u></p> <p>Swabbed J-zone interval 4981'-4990', recovered a total of 10 bbls oil and 194 bbls water. Last hour swabbing, recovered 3 bbls fluid of which 2% was oil. Cement squeeze interval 4981'-4990' with 50 cu ft Cement w/Halad 9. Breakdown pressure 1700 psi Maximum pressure 2700 psi Squeeze pressure 2500 psi</p> <p align="center"><u>"D"-ZONE (4863'-4873')</u></p> <p>Swabbed D-zone interval 4863'-4873' for 8 hours, recovered 217 bbls water w/trace of oil. Shut in 15 hours. Swabbed 9 hours, recovered 231 bbls water, no trace oil. Set RTTS packer at 4762' KB, cement squeeze perforations 4863'-4873' with 100 cu ft cement w/Halad 9. Breakdown pressure: 2000 to 1850 psi Maximum pressure: 2550 psi</p> <p align="center"><u>"J"-Zone (4983'-4985')</u></p> <p>Treated J-zone interval 4983-85' as follows: Dumped 250 gallons MCA, loaded homee breakdown 2800-2200 psi. Sand oil fraced with 5000# 20-40 mesh sand using lease crude as carrier. Maximum pressure: 2800 psi Minimum pressure: 2200 psi Average injection rate: 15 BPM ISIP: 2750 to 1900 psi, 5 minutes dropped to 1400 psi. Shut well in for 3-3/4 hours, opened up, well flowed for 4-1/2 hrs, recovered 56 bbls load oil. Shut in for 13 hrs. Flowed and swabbed for first 5 hrs, recovered 58 bbls load oil and 53 bbls water, next 5 hrs swabbing recovered 159 bbls water. Shut in 14 hrs, swabbed 9 hrs, recovered 534 bbls water w/trace of oil.</p> <p align="center"><u>PLUG AND ABANDON</u></p> <p>1) Set 5 sx cement plug 4987'-4927' KB 2) Parted 4-1/2" casing at 4317' KB and pulled. 3) Filled hole with 10# mud to 237', spotted 15 sx cement plug 237'-197' KB. 4) Filled to 15' of surface with 10# mud. Spotted 15' cement plug to surface. 725' of 4-1/2" OD 9.5# J-55 casing was left in hole, interval 5042'-4317' KB.</p> |

WELL C. Luft Jr. No. 3

FIELD Graylin-Northwest AREA McCook (Colo)