

GEOLOGICAL DATA AND DRILLING AND COMPLETION PROCEDURE
18-8N-5300
MAY 23 1964

FORMATION OR DATE	TOP-DEPTH INTERVAL	REMARKS OR DESCRIPTION AND RESULTS OF WORK														
		<div>OIL & GAS CONSERVATION COMMISSION</div> <u>ELECTRIC LOG FORMATION TOPS</u> <table><tr><td>Nidbrara</td><td>4003'</td></tr><tr><td>Ft. Hayes</td><td>4368'</td></tr><tr><td>Carlile</td><td>4416'</td></tr><tr><td>Greenhorn</td><td>4613'</td></tr><tr><td>"D"</td><td>4862'</td></tr><tr><td>"J"</td><td>4965'</td></tr><tr><td>Total Depth</td><td>5055'</td></tr></table> <p><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><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><u>"J"-Zone (4983'-4985')</u></p> <p>Treated J-zone interval 4983-85' as follows: Dumped 250 gallons MCA, loaded hoses, 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><u>PLUG AND ABANDON</u></p> <ol style="list-style-type: none">1) Set 5 sx cement plug 4987'-4927' KB2) 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. <p>725' of 4-1/2" OD 9.5# J-55 casing was left in hole, interval 5042'-4377' KB.</p>	Nidbrara	4003'	Ft. Hayes	4368'	Carlile	4416'	Greenhorn	4613'	"D"	4862'	"J"	4965'	Total Depth	5055'
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WELL C. Luft Jr. No. 3

FIELD Graylin-Northwest AREA McCook (Colo)