

- 2/19/59 T.D. 12,827' in sandy lime and shale.
- 2/20/59 T.D. 12,904' in sand and lime. Good gas shows on mud logging unit. Preparing to drill stem test interval from 12,864' to 12,904'. Samples being checked by Paleo Laboratory today.
- 2/21/59 T.D. 12,904'. Going back in hole to drill. Recovered salt water on drill stem test 12,864' to 12,904'.
- 2/22/59 T.D. 13,013' in lime and shale. Penetrated 152'.
- 2/23/59 T.D. 13,165' in 100% black shale. Formational change occurred at 13,100' from lime and shale to 100% black shale. Samples being checked today.
- 2/24/59 Penetrated 111' past 24 hours. T.D. 13,276' in dark shale. Tentatively identified as Barnett shale of Mississippian system.
- 2/25/59 Penetrated 108' past 24 hours. T.D. 13,384', 20% lime, 80% shale.
- 2/26/59 Penetrated 134' past 24 hours. T.D. 13,518', 90% shale, 10% lime.
- 2/27/59 Penetrated 191' past 24 hours. T.D. 13,709' in gray and black shale. Drilling 3 to 4 minutes to the foot.
- 2/28/59 Penetrated 81' past 24 hours. T.D. 13,790' in shale.
- 3/1/59 Penetrated 85' past 24 hours. T.D. 13,875' in shale. Deviation $2\frac{1}{4}^{\circ}$ at 13,870'.
- 3/2/59 Penetrated 65' past 24 hours. T.D. 13,940' in lime and shale. Deviation $2\frac{1}{2}^{\circ}$ at 13,930'.
- 3/3/59 Penetrated 47' past 24 hours. T.D. 13,987'. Drilling 14 to 16 minutes to foot in brown crystalline limestone at base of Barnett.
- 3/4/59 Penetrated 31' past 24 hours. T.D. 14,018' in brown limestone.
- 3/5/59 Penetrated 45' past 24 hours. T.D. 14,063' in lime and shale.
- 3/6/59 Penetrated 21' past 24 hours. T.D. 14,084'. Stuck pipe last night.
- 3/7/59 T.D. 14,097' in lime and chert. Making a trip.
- 3/8/59 T.D. 14,112'. Logging.
- 3/9/59 T.D. 14,112'. Ran 2810' 7" liner. Packer was set at 10,570' with hanger at 7,760'. Cemented with 350 sx. Waiting on cement.
- 3/10/59 Waiting on cement.
- 3/11/59 Plugged back to 10,570'. Picking up 2" tubing.
- 3/12/59 T.D. 10,570'. Perforating today.
- 3/13/59 10,570'. Acidized with 2,000 gallons. Packer leaking. Coming out of hole to change packers.