

Drill Stem Tests Continued

No. 13, 10-30-51, 1 Hour Johnston Drill Stem Test 12,800'-12,835' with 5/8" choke at 12,763'. Used 2 packers 12,792'-12,800'. Bombs at 12,832' and 12,834'. Tool open 1:25 A.M. 10-30-51. No oil or gas to surface - Medium blow of air throughout test - Recovered 230' fluid, oil and gas cut mud - cut 5% oil, no water. Hydrostatic Pressure 6250#, Flowing Pressure 125#, 15 minute Closed In Pressure 175#.

Electrical Surveys

10-31-51 - Ran Schlumberger and Lane-Wells Surveys from surface to 12,835'.

Temperature Surveys

6-25-51 - Company Temperature Survey indicated top of cement behind 9-5/8" casing at 1640'.

11-3-51 - Company Temperature Survey indicated top of cement behind 7" casing at 8485'.

Christensen Cores

<u>NO.</u>	<u>FROM</u>	<u>TO</u>	<u>RECOVERED</u>	<u>DESCRIPTION</u>
1	9118'	9148'	30'	20' brown granular dolomite with fair intergranular porosity uniformly saturated with oil throughout. 10' brown fine crystalline foliiferous limestone, fair intercrystalline porosity, uniform oil stain.
2	9148'	9178'	30'	26'6" brown fine crystalline limestone with fair scattered intergranular porosity. Bleeding oil throughout most of section. Some large vertical fractures, 3' light gray to brown fine crystalline tight barren limestone, 6" brown fine crystalline tight barren limestone,

