

DRILL STEM TEST

1. No. 1 Howco Drill Stem Test 1-1/2 hour from 10530-10630 with 5/8" choke at 10500'. Packers at 10525-10530'. Bombs at 10624-10630'. Tool opened 6:23PM 6-23-57. Good blow air throughout test. No fluid to surface. Recovered 6600' fluid, 246' drilling mud and 6354' salty sulphur water, no shows. HP - 5450#. FP 920-3080#. 30 minute BHP 3900#.
2. No. 2 Howco Drill Stem Test 5-1/2 hour from 10980-11074' with 5/8" choke at 10960'. Packers at 10975-10980'. Bombs at 11072-11074'. Tool opened 6:45PM 7-2-57. No fluid to surface. Recovered 800' fluid, 50' oil and gas cut mud. HP 5850#. FP 130-395#. BHP no good.
3. No. 3 Howco Drill Stem Test 1 hour from 11166-11261' with 5/8" choke at 11133'. Packers at 11162-11166'. Bombs at 11148-11257'. Tool opened 5:20AM 7-10-57. Recovered 10' drilling mud, no shows. HP 5695#. FP 30#. 15 Minute BHP 30#.

DEVIATION - TOTCO SURVEY

0 - 80'	2-3/4 - 6555'	3/4 - 9060'
1/4 - 275'	2-1/4 - 6685'	1 - 9210'
1/2 - 1000'	1-1/2 - 6815	3/4 - 9330
1/4 - 1300	1-3/4 - 6924	1/4 - 9405
1/4 - 1800	1-1/4 - 7045	3/4 - 9730
1 - 3250	1-1/4 - 7130	3/4 - 9885
1 - 3530	1-1/2 - 7270	1-3/4 - 9995
1-1/4 - 3670	1-3/4 - 7405	1-1/2 - 10060
1 - 3780	2 - 7505	1-3/4 - 10140
1-1/4 - 4135	2 - 7650	1-1/4 - 10200
1-3/4 - 4525	1-3/4 - 7755	1-1/2 - 10260
1-1/4 - 4625	1-1/2 - 7850	3/4 - 10345
1 - 4745	1-1/2 - 7981	3/4 - 10430
1 - 4855	1-1/2 - 8100	1-1/2 - 10655
1/4 - 5200	1 - 8270	1 - 10720
2 - 6010	1-1/2 - 8360	1/2 - 10820
2 - 6120	1-1/4 - 8520	3/4 - 11070
3 - 6320	1 - 8565	
3 - 6430	3/4 - 8870	

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