

DRILL STEM TESTS

No. 1 - 3-3-53 - 1 1/2 Hour Johnston Drill Stem Test from 5585-5710' with 5/8" choke at 5558' - Packers at 5576' and 5585' - Bombs at 5708' and 5706' - Tool opened 7:10 AM 3-3-53 - Used no blanket - Gas to surface 3 minutes, 24 hour rate 547,000 cu.ft. - No fluid to surface - Recovered 540' fluid, 180' drilling mud, 360' oil & gas cut mud, cut 50% oil - Hydrostatic Pressure in 2700#, out 2700# - Flowing Pressure initial 275#, final 275# - 15 minute BHP 2225#.

No. 2 - 3-9-53 - 3 Hour 23 minute Johnston Drill Stem Test from 6515-6640' with 5/8" choke at 6490' - Packers at 6507' and 6515' - Bombs at 6636' and 6638' - Tool open- 2:27 PM 3-9-53 - Gas to surface 5 min. 24 hour rate 447,200 cu.ft. - Mud in 65 min. oil in 1 hr 23 min. flowed 150' clean oil & 120' salt water - Hydrostatic Pressure 3275# - Flowing Pressure 475-375# - 15 min BHP 2475#.

No. 3 - 3-13-53 - 2 Hour Johnston Drill Stem Test from 6849-6975' with 5/8" choke at 6819' - Packers at 6840' & 6849' - Bombs at 6971' & 6973' - Tool opened 5:30 AM 3-13-53 - Gas to surface 7 min. 63,200 cu.ft. 24 hr rate - No fluid - Recovered 620' drilling mud, cut 5% oil, no water - Hydrostatic Pressure 3475# - Flowing Pressure 300# - 15 min BHP 2225#.

No. 4 - 3-15-53 - 2 Hour Johnston Drill Stem Test from 6974-7086' with 5/8" choke 6949' - Packers 6967 - Bombs at 7082 & 7084' - Tool opened 12:30 AM 3-15-53 - Gas to surface 9 min. 17,800 cu.ft. - Decreased TSTM at end of test - Recovered 950' fluid 290' oil & Gas cut drilling mud - 70% oil 660' clean oil, no water Hydrostatic Pressure 3625# - Flowing Pressure 350-375# - 15 min BHP 2325#.

DEVIATIONS - TOTCO SURVEYS

<u>DEPTH</u>	<u>DEG.OFF</u>	<u>DEPTH</u>	<u>DEG.OFF</u>
187'	1/2	4732	3/4
815	3/4	4960	0
1185	1/2	4981	3/4
1476	3/4	5059	3/4
1779	1/2	5299	1/2
2060	1-1/4	5490	1/2
2327	1	5645	0
2650	1/2	5834	1/4
2859	1/4	5980	3/4
2984	0	6085	1/4
3413	1	6178	1/4
3634	1/4	6304	3/4
3760	0	6430	1
3854	1/4	6712	3/4
3949	1/8	6775	1
4137	3/4	6870	1/2
4421	3/4	6895	1-1/4
4575	1	7145	1-1/2
		7183	1-1/4

1. *Phragmites* (common)

[illegible]

31. What is the purpose of the study? The purpose of the study is to determine the effect of the use of a computer program on the learning of the English language.

[illegible]