

DEVIATION - TOTCO SURVEY

1 - 270'	3 - 6785	2-1/2 - 9000
1/2 - 2020'	4-3/4 - 7000	1-1/4 - 9250
1 - 2270'	5 - 7040	1-1/2 - 9335
1-1/2 - 3780'	4-3/4 - 7120	1-1/2 - 9442
1 - 4285	4-1/2 - 7158	1-1/4 - 9571
1 - 4770	4-1/4 - 7210	1 - 9650
1 - 4990	3-3/4 - 7385	1/4 - 10060
3/4 - 5100	3 - 7480	1/4 - 10230
1/2 - 5350	2-1/2 - 7750	1/4 - 10365
1/2 - 5680	2-1/2 - 8000	1/4 - 10500
1/2 - 5800	1 - 8290	2 - 10840
1 - 6020	3/4 - 8390	2 - 10885
1-3/4 - 6125	1-3/4 - 8550	1-3/4 - 10980
7-1/2 - 6600	2 - 8675	2-1/2 - 11015
2-1/2 - 6640	3 - 8880	3 - 11225
		8 - 11365
		6 - 11585
		6 - 11665
		4 - 11910

DRILL STEM TEST

No. 1 3 hour 40 minute Drill Stem Test from 11983-12000, 5/8" choke at 11975'. Mud to surface 1 hour 22 minutes, oil to surface 1 hour 40 minutes. Flowed 54 bbls oil and no water 2 hours. HP 5920#. FP 370-3990#. 30 minute BHP 4775#.