

DEVIATIONS - TOTCO SURVEYS

1/2 - 160'	2	- 4390'	1-3/4 - 6148'	1	- 7540'
3/4 - 340	1	- 4535	1-1/2 - 6422	1	- 7637
1/4 - 1030	1	- 4710	1-1/2 - 6530	1-1/2 - 7740	
1 - 1960	1	- 4870	1-1/2 - 6700	1-1/4 - 7950	
1-1/2 - 2690	1	- 5330	1-1/2 - 6900	1	- 8090
1-3/4 - 3316	1-1/4 - 5480		1-1/2 - 7043	1	- 8515
2 - 3620	1	- 5620	1-1/2 - 7190	3/4 - 8800	
2-1/4 - 4030	2	- 5790	1-1/2 - 7307	3/4 - 8985	
1-1/2 - 4226	1-3/4 - 6016		2 - 7431		

DRILL STEM TESTS

No. 1, 5300-5386', 4 hr, thru 4" DP, 1" surface choke, 5/8" bot choke at 5276'. Tool opened with good blow air & gas to surface in 50 min, TSTM. Rec 780' fluid, 540' 29.1 deg gravity oil & 180' heavy oil & gas cut mud, 60' muddy wtr. HP 2500#. IFP 180#. FFP 360#. 30 min IBHP 1700#, final 1380#. Temp 130 deg at 5381'.

No. 2, 5486-5566', 1 hr, thru 4" DP, 1" surf choke, 5/8" bot choke at 5466'. Tool opened with weak blow air for 2 min & dead remainder of test. Rec 30' DM w/no shows. HP 2560#. IFP 70#. FFP 70#. 30 min IBHP 180#, FBHP 120#. Temp 120 deg at 5560'.

No. 3, 8266-8366', 1½ hr, (Tubb) thru 4" DP, 1" surface choke, 5/8" bot choke at 8244'. Tool opened with weak blow air, increasing slightly thr test. Rec 60' slightly gas cut mud. HP 4250#. IFP 0#. FFP 0#. 30 min IBHP 0#. FBHP 0#. Temp 180 deg at 8360'.

No. 4, 8736-8826', 1 hr (Abo) thru 4" DP, 1" surface choke, 5/8" bot choke at 8720'. Tool opened with very weak blow of air to surface & died in 35 min. Dead 25 min. Rec 20' DM w/trace of oil. HP 4460#. IFP 75#. FFP 75#. 30 min IBHP 156#. FBHP 156#. Temp 138 deg at 8821'.

No. 5, 8826-8926', 1 hr, (Abo) thru 4" DP, 1" surface choke, 5/8" bot choke at 8821'. Tool opened with no blow. Rec 30' DM (no shows). HP 4485#. IFP 85#. FFP 85#. 30 min IBHP 480#. 30 min FBHP 85#. Temp 140 deg at 8914'.

1. The first part of the document is a list of the names of the persons who have been appointed to the various offices of the city of New York.

2. The second part of the document is a list of the names of the persons who have been appointed to the various offices of the city of New York.

3. The third part of the document is a list of the names of the persons who have been appointed to the various offices of the city of New York.

4. The fourth part of the document is a list of the names of the persons who have been appointed to the various offices of the city of New York.

5. The fifth part of the document is a list of the names of the persons who have been appointed to the various offices of the city of New York.

6. The sixth part of the document is a list of the names of the persons who have been appointed to the various offices of the city of New York.

7. The seventh part of the document is a list of the names of the persons who have been appointed to the various offices of the city of New York.

8. The eighth part of the document is a list of the names of the persons who have been appointed to the various offices of the city of New York.

9. The ninth part of the document is a list of the names of the persons who have been appointed to the various offices of the city of New York.

10. The tenth part of the document is a list of the names of the persons who have been appointed to the various offices of the city of New York.

11. The eleventh part of the document is a list of the names of the persons who have been appointed to the various offices of the city of New York.

12. The twelfth part of the document is a list of the names of the persons who have been appointed to the various offices of the city of New York.

13. The thirteenth part of the document is a list of the names of the persons who have been appointed to the various offices of the city of New York.

14. The fourteenth part of the document is a list of the names of the persons who have been appointed to the various offices of the city of New York.

15. The fifteenth part of the document is a list of the names of the persons who have been appointed to the various offices of the city of New York.