

MATTHEWS #7

DRILL STEM TESTS

No. 1, 3-11-53, 2 hours Johnson DST No. 1 from 2476' to 2646' thru 3-1/2" DP w/ 5/8" choke at 2459'. 1 - 8" pkr at 2476'. Two BHP at 2444' & 2445'. Safety Joint at 2469'. FO CS at 2298'. Tool open at 7:35 PM closed 9:35 PM 10th. Gas to surface in 20 mins. No fluid to surface. Gas volume 24 hr. rate, 265,300 cu. ft. after 3/4 hr. Gradually increased to 961,100 cu. ft. after 1-3/4 hrs. Volume same at end of test. Recovered 258' salt water. HP 1425# FPI 650# F 650# 15 min. BU 650#.

No. 2, 5-3-53, 1-1/2 hours Johnston DST from 5685-5720' with 3/4" choke at 5666' - Packers at 5677' & 5685' - Bombs at 5716' & 5718' - Tool opened 1:45 PM 5-3-53 - Used no blanket - Weak blow 30 minutes, dead 60 minutes - No gas or fluid to surface - Rec. 32' drilling mud - HP 3125# - FPO 15 min. BU 0#.

No. 3, 5-5-53, 3 hours Johnston DST from 5718-5736' with 3/4" choke at 5699' - Packers at 5710' & 5718' - Bombs at 5732' & 5734' - Tool opened 6:35 AM 5-5-53 - Used no blanket - Gas to surface 3 minutes, 24 hour rate 686.8 cu. ft. - Mud to surface 6 minutes, oil in 8 minutes - Flowed 149.76 bbls. 41 gravity oil 3 hrs, cut 1/2% BS - Rec. 270' oil & gas cut drilling mud cut 50% oil - HP 2800# - FP 600-1200# - 15 min. BUP 2100#.

DEVIATIONS - TOTCO SURVEYS

<u>DEPTH</u>	<u>DEG.OFF</u>	<u>DEPTH</u>	<u>DEG.OFF</u>
365	3/4	4100	5-3/4
500	1/4	4160	5-3/4
750	3/4	4220	5
1000	1/2	4280	4-1/2
1095	0	4335	4-1/2
1500	1/2	4365	4-1/2
1750	3/4	4455	4-3/4
2050	1	4545	4-1/2
2750	1	4570	4-1/2
2950	2-1/2	4640	4
3290	4-1/2	4700	4
3320	4-1/4	4755	4
3380	4-1/4	4785	3-1/2
3460	4-1/4	4875	2-3/4
3500	4-1/4	4960	0
3520	4-1/2	5020	2-1/2
3550	5	5100	2-3/4
3610	5	5310	2
3650	5		
3700	6-1/4		
3750	6		
3779	6-1/4		
3795	6-1/4		
3820	6-1/2		
3870	6		
3820	5-3/4		
3970	5-1/2		
3980	6		
4065	6		