

PLAINS KNIGHT #2-E

DRILL STEM TESTS

No. 1, 11-5-53 - 2-1/2 Hour Howco Drill Stem Test from 7700-7799' with 1" choke at 7674' - Packers at 7700' and 7692' - Bombs at 7797' and 7677' - Tool opened 2:10 PM 11-5-53 - Used no blanket - Gas to surface in 19 minutes, 24 hour rate 9,000 cubic feet at start of test gradually decreasing to amount too small to measure at end of test - No fluid to surface - Recovered 1820' fluid, 420' oil and gas cut drilling mud, cut 10% oil, 980' 38 gravity clean oil, 420' sulphur water - HP 3800# - FP 275-1125# - 15 minutes BOP 1525#.

No. 2, 11-10-53 - 2 Hour Howco Drill Stem Test from 7799-7840' with 1" choke at 7776' - Packers at 7791' and 7799' - Bombs at 7780' and 7839' - Tool opened 3:00 AM 11-10-53 - Weak blow air 1-1/4 hours, dead 45 minutes - Recovered 300' fluid, 120' slightly gas cut drilling mud, no oil, 150' sulphur water - HP 3660# - FP 30 - 115# - 15 minutes BHP 350#.

No. 3 - 11-11-53 - 2 Hour Howco Drill Stem Test from 7875-7897' with 1" choke at 7851' - Packers at 7867' and 7875' - Bombs at 7854' and 7895' - Tool opened 4:15 PM 11-11-53 - Medium blow air throughout test - Recovered 800' fluid, 100' sulphur water cut drilling mud and 700' sulphur water, no oil - HP 3775# - FP 600# - 15 minute BHP 2425#.

No. 4 - 1-2-54 - 2 Hour Howco Drill Stem Test from 10,514-10620' with 1" choke at 10,493' - Packers at 10,508 and 10,514' - Bombs at 10,496' and 10,618' - Tool opened 12:55 AM 1-2-54 - Used no blanket - Fair to weak flow of air throughout test No gas or fluid to surface - Recovered 985' fluid, 270' slightly gas cut mud, 715' salt water - HP 5015# - FP 300 - 15 minute BHP 1530#.

No. 5 - 1-4-54 - 3 Hour Howco Drill Stem Test from 10,555-10,650' with 1" choke at 10,519' - Packers at 10,547' and 10,555' - Bombs at 10,515' and 10648' - Tool open 5 PM 1-4-54 - Used no blanket - Medium blow air throughout test - Recovered 1108' fluid, 210' slightly gas cut mud, 898' salt water - HP 5020# - FP 90-595# - 15 minute BHP 1762#.

DEVIATION - TOTCO SURVEY

<u>DEG. OFF</u>	<u>DEPTH</u>	<u>DEG. OFF</u>	<u>DEPTH</u>	<u>DEG. OFF</u>	<u>DEPTH</u>	<u>DEG. OFF</u>	<u>DEPTH</u>
1/2	120	1/4	4620	1-1/2	8090	3	9837
1/2	310	1/4	4950	1-1/4	8098	3	9855
1/2	535	1	4995	2	8186	4	9918
1/2	765	1	5200	2	8230	3-3/4	9932
1/2	871	1	5300	2	8285	3-1/2	9950
1/2	1100	0	5385	2-1/4	8350	3-1/2	9978
1/2	1350	3/4	5685	1-3/4	8365	3	10000
1/4	1550	1/2	5800	2	8410	3	10019
1/2	1635	1/2	5894	2	8465	3-1/4	10045
1/4	1700	3/4	5992	2-1/4	8550	2-3/4	10064
3/4	1750	1/2	6090	1-3/4	8585	2-3/4	10101
1-1/4	1925	1/4	6385	1-1/2	8618	3-1/4	10120
1-1/4	2008	1	6550	1-3/4	8671	2-3/4	10142
1-1/4	2090	1-3/4	6670	1-1/4	8715	3	10159
1-1/2	2150	2	6747	1-1/2	8743	3-3/4	10180
2	2250	2	6870	1-1/2	8800	2-3/4	10204
1-3/4	2300	2-1/4	6975	1-3/4	8867	3	10240
1-3/4	2335	2-1/4	7045	1-3/4	8920	2-3/4	10267
1-3/4	2380	2-1/4	7110	2	8985	2-1/2	10292
1-3/4	2395	2	7170	2	9030	2-1/4	10328
1-1/2	2425	2	7246	1-3/4	9097	3-1/4	10380
1-1/4	2460	1-3/4	7315	1-3/4	9147	2-3/4	10435
3/4	2520	1	7390	2	9195	2-1/4	10455
3/4	2623	3/4	7450	2	9255	3	10487
1/4	2700	3/4	7490	1-1/2	9297	2	10518
2/3	2890	1/2	7550	2-1/4	9357	2-3/4	10565
3/4	2980	3/4	7612	2	9395	2-1/4	10615
1/2	3075	3/4	7660	0	9460		
3/4	3200	3/4	7720	2	9505		
3/4	3395	1-1/2	7755	1-3/4	9539		
3/4	3380	1	7790	1-1/2	9565		
3/4	3515	1-1/4	7840	1-3/4	9612		
1/2	3600	1-1/2	7895	2	9657		
1	3750	1-1/4	7955	3	9730		
3/4	3880	1-1/2	7995	2-3/4	9765		
1/2	3980	1-1/4	8035	3	9802		
0	4150	1	8045	3	9818		

