

HARRY LEONARD "A"

DRILL STEM TESTS

No. 1 - 3-8-53 - 1½ Hour Johnston DST from 5820-5927' with 5/8" choke at 5769' - Packers at 5802 & 5793' - Bombs at 5925' & 5775' - Tool opened 5:35 AM 3-8-53 - Used no blanket - No gas or fluid to surface - Medium blow for 30 mins, very weak at end of test - Recovered 540' fluid, 530' drilling mud, 10' oil & gas cut mud, cut 50% oil - HP 2480# - FP initial 265#, final 60# 15 min BHP 1160#.

No. 2 - 3-31-53 4 Hour Johnston DST from 8018-8090' with 5/8" choke at 7995' - Packers 8011' & 8018' - Bombs 8000' & 8088' - Tool opened 12:45 AM 3-31-53 - Gas to surface 9 mins, 24 hour rate 29,200 cu.ft. - No fluid to surface - Recovered 970' fluid, 240' oil & Gas cut mud, cut 50% oil, 730' 40.5 gravity clean oil, no water - HP 4050# - FP 200-950# - 15 min BHP 2000#.

No. 3 - 4-1-53 - 5½ Hour Johnston DST from 8013-8133' with 5/8" choke at 7990' - Packers 8006' & 8013' - Bombs 7995' & 8131' - Tool opened 1:03 AM 4-1-53 - Gas to surface 7 min, 24 hour rate 119,400 cu.ft. thruout test - mud to surface 1 hr & 21 min, oil in 1½ hours - flowed 39 bbls 40 gravity clean oil in 4 hrs, no water - Reversed out 19 bbls oil to tanks - Total oil recovered 58 bbls - HP 4040# - FP 290-730# - 15 min BHP 2255#.

No. 4 - 4-6-53 - 2 Hour Halliburton DST from 8463-8541' with 5/8" choke at 8441' - Packers at 8455' & 8463' - Bombs 8446' & 8539' - Tool opened 2:40 PM 4-6-53 - Used no blanket - Medium blow 35 mins, dead 84 mins - No gas or fluid to surface - Recovered 1840' fluid, 475' salt water cut drilling mud, 1365' salt water - HP 4235# - FP 135-1215# - 15 min BHP 2665#.

No. 5 - 4-9-53 - 2 Hour Halliburton DST from 8665-8700' with 5/8" choke at 8646' - Packers 8658' & 8655' - Bombs 8642' & 8698' - Tool opened 5:35 PM 4-9-53 - Used no blanket - Strong blow of air at start of test, gradually decreasing to end of test No gas or fluid to surface - Recovered 5540' fluid 200' salt water cut drilling mud, 5340' salt water - HP 4355# - FP 600-3175# - 15 min BHP 3240#.

DEVIATIONS - TOTCO SURVEYS

<u>DEPTH</u>	<u>DEG.OFF</u>	<u>DEPTH</u>	<u>DEG.OFF</u>
250'	1	4670	1/4
500	1	5190	3/4
1000	3/4	5490	3/4
1250	3/4	5800	1
1500	1/2	6090	1/2
1750	1/2	6365	1/2
2095	3/4	6610	3/4
2650	1	6900	1-1/2
3330	3/4	7100	2-1/4
3650	3/4	7260	2-1/4
3850	1	7300	2
4200	3/4	7350	2-1/4
4465	1/2	7600	1-1/2
		8050	1

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