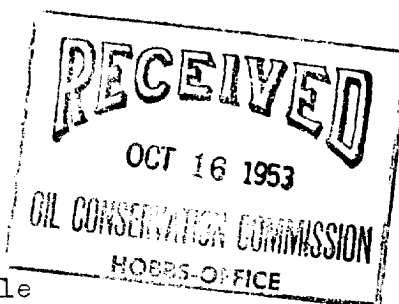


FORMATION RECORD (CONT'D)

<u>DEPTH</u>	<u>FORMATION</u>	<u>DEPTH</u>	<u>FORMATION</u>
9465	Lime	9806	Lime
9504	Lime & Chert	9846	Lime & Shale
9528	Lime	10,000	Lime
9567	Lime & Shale		



DEVIATION - TOTCO SURVEYS

<u>DEPTH</u>	<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>
205	1/2	4450	3/4	6600	1-3/4	8360	3/4
300	1/2	4600	1/2	6695	1-1/4	8440	3/4
750	1/2	4710	1/2	6775	1	8550	1/2
1000	1/4	4876	1/2	6850	1-1/4	8660	1/2
1350	1/2	4995	3/4	6950	1-1/2	8765	3/4
1950	1/2	5120	1/2	7010	2-1/4	8850	3/4
2150	3/4	5300	1/4	7075	1-1/2	9025	1
2700	1/2	5590	0	7188	1	9074	3/4
3020	1/2	5744	1/2	7230	3/4	9130	1
3310	3/4	5870	1	7600	1/4	9225	1/2
3550	1-1/4	6130	1-3/4	7710	3/4	9290	3/4
3620	1	6250	1-1/2	7830	3/4	9360	1/2
3770	1-1/2	6300	1-3/4	7975	3/4	9400	3/4
3861	1-1/2	6370	0	8150	3/4	9475	1/2
4100	1	6450	1-3/4	8243	3/4	9518	3/4
4255	3/4	6509	1-1/4	8280	3/4	9600	3/4
						9676	3/4

DRILL STEM TESTS

No. 1, 8-12-53 - 4 Hour Johnston Drill Stem Test from 9795-9840' with 1/2" choke at 9747' - Packers at 9795' and 9788' - Bombs at 9838' and 9839' - Tool opened 8:AM 8-12-53 - Gas to surface in 5 minutes, 24 hour rate 585,000 cu. ft., Mud in 29 minutes, oil in 45 minutes - Flowed to pits 15 minutes mud and oil - Flowed to tank 3 hours - Recovered 42 bbls oil, 58 bbls salt water - Gas-Oil Ratio 1741/1 - Recovered 205' salt water cut oil below circulating sub - Hydrostatic Pressure 4775# - Flowing Pressure 1200-23 0# - 20 Minute BHP 3225#.

No. 2, 8-14-53 - Misrun

No. 3, 8-14-53 - 3 Hour Johnston Drill Stem Test from 9850'-9870' with 1" choke at 9872' - Packers at 9850' and 9844' - Bombs at 9868' and 9869' - Tool opened 11:30 AM 8-14-53 - Gas to surface 3 minutes, 24 hour rate 521,000 cu. ft., mud in 27 minutes, oil and mud in 45 minutes - Flowed to pits 15 minutes - 2 hour flow to tank 25 bbls 41 gravity oil, 42 bbls salt water - Hydrostatic Pressure 4825# Flowing Pressure 975-2240# - 20 Minute BHP 3175#.

No. 4, 8-15-53 - 4 Hour Johnston DST from 9870-9900' with 1/2" choke at 9846' - Packers at 9863' and 9870' - Bombs at 9899' and 9900' - Tool opened 9:35PM 8-15-53 - Gas to surface 4 minutes, 24 hour rate 363,900 cu. ft. - Mud in 35 minutes, mud, water and oil in 45 minutes - Flowed to pits 15 minutes, to tank 3 hours - Flowed 2 bbls oil, 33 bbls salt water - Reversed out salt water with oil stain to pits - Hydrostatic Pressure 4900# - Flowing Pressure 1100-3000# - 20 Minute BHP 3325#

No. 5, 8-17-53 - 1 Hour 55 minute Johnston DST from 9900-9950' with 1/2" choke at 9876' - Packers at 9893' and 9900' - Bombs at 9899' and 9900' - Tool opened 12:35PM 8-17-53 - Good blow gas to surface 3 minutes, 24 hour rate 53,000 cu. ft. - Mud to surface in 20 minutes, water in 30 minutes - Flowed to pits 25 minutes - Flowed 16.5 bbls water to tank 45 minutes - Dead 15 minutes - Recovered 16 bbls water and reversed out - Hydrostatic Pressure 4675-4650# - Flowing Pressure 1675-2875# - 15 Minute BU 2875#.

No. 6, 8-19-53 - 2 Hour Johnston DST from 9950-10,000' with 1/2" choke at 9926' - Packers at 9943' and 9950' - Bombs at 9998' and 10,000' - Tool opened 3:30AM 8-19-53 Gas to surface in 7 minutes, 24 hour rate 61,100 cu. ft. thruout test, no fluid - Reversed out 3 bbls oil and gas cut drilling mud, cut 5% oil and 93' salt water - Hydrostatic Pressure 4875# - Flowing Pressure 325# - 15 Minute BHP 2175#.