

DRILL STEM TESTS

No.	Date	From	To	No. Kind & Size of Perforations (or Open Hole)	Tool Set @	Chokes		Water Condition	Time Tested
						Top	Bottom		
1	4-5-56	10415	10470	Open hole	10415	5/8" 1"	1"	none	2 hrs.
	(Permo Penn) N.T.S. Recovered 40' drlg mud + 480' salt water, no shows oil or gas. SFP 0#, BHFP 230#, 30 min SIP 3490#, HH 5120-5060#.								
2	4-8-56	10660	10710	Open hole	10660	5/8" 1"	1"	none	3 hrs.
	(Permo Penn) Gas to surface in 11 mins. Estimated 154 MGF/day. Recovered 3500' of frac oil, Gravity 32.6° @ 60°, + 460' of mud out oil. No water. SFP 18-#, BHFP 220-625#, 30 min SIP 3740#, HH 5140-5115#.								
3	4-16-56	11070	11123	Open hole	11070	5/8" 1"	1"	none	1 hr.
	(Permo Penn) N.T.S. Recovered 30' drilling mud, no shows oil, water or gas. All pressures 0#, HH 5140-5390#.								
4	4-24-56	11510	11561	Open hole	11510	5/8" 1"	1"	none	2 hrs.
	(Penn) 2 Pkrs. Gas to surface 5 mins, mud in 24 mins. Oil in 26 mins, cleaned to pit 4 mins. Flowed 44 BNO 5/8" x 1" chokes, 1 hr., GOR 2000/l, Gr. 41 @ 60°. Flowed 32 BNO 5/8" x 5/8" chokes 30 mins, GOR 1300/l, SO 1.5% drlg mud, no water. SFP 330#, BHFP 910-1935#, 30 min SIP 3750#, HH 5705-5705#.								
5	4-27-56	11565	11616	Open hole	11565	5/8" 1"	1"	none	2 1/4 hrs.
	(Penn) Gas to surface in 5 mins, est 1436/MCF day mud to surface in 56 mins, oil to surface in 63 mins, cleaned to pits 12 mins, approx 6 bbls. Flowed 32 BNO in 1 hr, no water, 1" choke. GOR 1870/l. Gr 41 @ 60°. SO 1.2% drlg mud, no water. SFP 150#, BHFP 585-1390#, 30 min SIP 3520#. HH 5500# in & out.								
6	4-30-56	11620	11668	Open hole	11620	5/8" 1"	1"	none	4 1/4 hrs.
	(Penn) Gas to surface in 8 mins, mud to surface in 2 hrs. 45 mins, oil to surface in 2 hrs 50 mins, cleaned to pits 10 mins. Flowed 20.6 BNO + 16.9 BSW in 1 hr 15 mins, GOR 1540/l. Gr. 40.8 @ 60°, SO 45% SW. SFP 150#, BHFP 1965#, 30 min SIP 3535#. HH 5735-5735#.								

ACIDIZING

- May 10, 1956 Cardinal acidized perf 11594-11606 w/1000 gals 15%, 20 mins. 1.2 BPM, TP 4500-600#. Swabbed 45 BLO in 1 hr. 30 mins (all). Flowed 179 BNO / 24 BAW in 15 hrs. 15/64" choke, GOR 1367/l, Gr. 42.2 @ 60, TP 750-925.
- May 14, 1956 Cardinal acidized perf. 11554-11584 w/2000 gals 15% acid 25 mins. 1.9 BPM. TP 3000#-Vac. Communications after 5 bbls. into formation CP 4500# to Vac. Swabbed 57 BLO (all) / 13 BAW in 3-1/2 hrs. Flowed 49 BNO / 17 BAW in 3 hrs. 24/64" choke. TP 450#.
- May 14, 1956 Cardinal acidized perf. 11516-11536 w/2000 gals 15% 30 mins. 1.6 BPM. TP 5000-1000#. S/D Press after 1 min on Vac. Swabbed 45 BLO / 20 BAW in 3 hrs. Flowed 82 BLO / 32 BAW in 4 hrs. 28/64" choke. TP 450#. S/O .9 of 1% AW. Put on Potential.

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