

Schenckman's EXHIBIT No. 3
CASE 1168

BACK PRESSURE TEST

Company Schenckman's Oil Corporation Lease Line 1 RR Well No. 1168
Field Queen Formation Queen County Lea Loc. N Sec. 1 Twp. 1
Casing 1 1/2" Wt. 11.00 I.D. 5.012" Set at 4995' Perf. 3870'
Tubing 1" Wt. 4.75 I.D. 2.995" Set at 3900' Perf. 3800'
Gas Pay: From 3870' to 3930' L 3896' G 0.675 Estimated GL 1.0
Avg. G.I. Temp. B.H. Temp. Producing Thru: Casing Tubing
Gas-Liquid Ratio Mcf/bbl. Gravity of Liquids °API Bar. Press.
Separator Gas Gravity G Mix Date of Completion
Type Well Single Completion Acres 285 Date of Test 12-15-55 Pore Vol. (1-1/2")

OBSERVED DATA

Run No.	Line Size	Prover or Meter Pressures		Diff.	Flow Temp.	Wellhead Pressures				Remarks
		Pressures				Casing		Tubing		
		Psig	Psia			Psig	Psia	Psig	Psia	
1	Start-In					1174.0	1289.9	1269.4	1287.5	
2	1 1/2"	110.2	735.4		73	760.0	766.1	732.2	738.3	
3										
4										
5										

FLOW CALCULATIONS

Run No.	Coeff. 24 Hr.	hwPm	$\sqrt{hwPm}$	Prover Press. - Psia	Gravity Factor	Temp. Factor	Compress. Factor	Flow Rate Mcf/Day
1	1.0000			725.4	0.9427	0.9888	1.0000	
2								
3								
4								
5								

PRESSURE CALCULATIONS

Run No.	Pt ²	FcQ	(FcQ) ²	(FcQ) ² x (1-e ^{-s})	Pc ² & Pw ²	Calc. Pw	Pc ² - Pw ²	Pw/Pc	Pc - Pw	Remarks
1	Start-In				1211.0					
2	1 1/2"	326.0			637.4		929.3	.65	19.2	
3										
4										
5										

Remarks: An average Euler's slope of 0.80 was drawn through the one 24 hour data point on logarithmic paper to determine the well potential.

ILLEGIBLE

Tested By: R. L. West (Permian Basin P.O. Co.) W.H. Potential 1256 Slope (n) 0.80
Witness: W. L. Darlin (Schenckman's Oil Corp.) B.C.P. Potential Slope (n)