

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Jalnet Formation Yates County Lee
 Initial _____ Annual _____ Special X Date of Test 5/26-30, 1958
 Company Shell Oil Company Lease Whitten Well No. 2
 Unit A Sec. 33 Twp. 23 Rge. 36 Purchaser El Paso Natural Gas Company
 Casing 5 1/2 Wt. 14 I.D. _____ Set at 3588 Perf. _____ To _____
 Tubing 2 1/2 Wt. 6.5 I.D. _____ Set at 3481 Perf. 3477 To 3481
 Gas Pay: From _____ To _____ L 3477 x G .673 = GL 2340 Bar. Press. 13.2
 Producing Thru: Casing _____ Tubing X Type Well Single
 Single-Bradenhead - G. G. or G. O. Dual
 Date of Completion: _____ Packer: None

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	Line Size	Orifice Size	Press. psia	Diff. hw	Temp. °F.	Press. psia	Temp. °F.	Press. psia	Temp. °F.	
1.	4 x 1.250		50	33.64	60	167				72
2.	4 x 1.250		59	39.69	60	199				24
3.	4 x 1.250		64	42.25	60	128				24
4.	4 x 1.250		63	53.29	60	99				24
5.						69				24

No.	Coefficient (24-Hour)	$\sqrt{h_w p_w}$	Pressure psia	Flow Temp. Factor Ft	Gravity Factor Fg	Compress. Factor Fpv	Rate of Flow Q-MCFPD ± 15.025 psia
1.	9.643	46.03	63.2	1.0000	.9442	N11	419
2.	9.643	53.46	72.2	1.0000	.9442	N11	487
3.	9.643	57.04	77.2	1.0000	.9442	N11	519
4.	9.643	63.64	76.2	1.0000	.9442	N11	580
5.							

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
 Gravity of Liquid Hydrocarbons _____ deg.
 F_c 5.866 (1-e-s) 0.119

Specific Gravity Separator Gas _____
 Specific Gravity Flowing Fluid _____
 P_1 480.2 P_2 230.6

No.	P_t (psia)	P_2	$P_2^2 - P_1^2$	$F_c Q$	$(F_c Q)^2$	$(F_c Q)^2 (1-e^{-s})$	P_w^2	$P_c^2 - P_w^2$
1.	212.2	45.0	185.6	2.46	6.05	.90	45.9	184.7
2.	141.2	19.9	210.7	2.86	8.18	1.22	21.1	209.5
3.	112.2	12.6	218.0	3.04	9.24	1.38	14.0	216.6
4.	88.2	6.8	223.8	3.40	11.56	1.72	8.5	222.1
5.								

Wellhead Potential: 600 MCFPD; θ 45.0 ; n_t 1.000
 AOF Potential: 610 MCFPD; θ 45.0 ; n 1.000

Conducted by: J. B. Murray
 Witnessed by: Joe Elmer
 Calculated by: J. B. Murray