

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Jalmat Formation Yates & 7 Rivers County Leake
 Initial _____ Annual _____ Special X Date of Test 4-29/5-3 1957
 Company J. R. Simon Lease Smith Well No. 300
 Unit I Sec. 4 Twp. 25 Rge. 37 Purchaser El Paso Natural Gas Company
 Casing 5" Liner Wt. _____ I.D. _____ Set at 2844 - 3147 Perf. _____ To _____
 Tubing 2 Wt. 4.7 I.D. _____ Set at 3405 Perf. _____ To _____
 Gas Pay: From 2920 To 3093 L 2920 x G .660 = GL 1927 Bar. Press. 13.2
 Producing Thru: Casing _____ Tubing X Type Well Single
 Single-Bradenhead-G. G. or G. O. Dual _____
 Date of Completion: 5-4-37 Packer: None

Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
No.	**** Line Size	**** x Orifice Size	Press. psig	Diff. hw	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.
SI						598			72
1.	4 x 1.500		387	7.84	70	391			24
2.	4 x 1.500		305	14.44	69	308			24
3.	4 x 1.500		238	21.16	72	244			24
4.	4 x 1.500		222	23.04	71	226			24
5.									

No.	Coefficient Flange (24-Hour)	$\sqrt{h_w P_w}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	13.99	56.000		.9905	.9535	1.038	768
2.	13.99	67.77		.9915	.9535	1.031	896
3.	13.99	72.88		.9887	.9535	1.023	983
4.	13.99	73.58		.9869	.9535	1.022	990
5.							

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
 Gravity of Liquid Hydrocarbons _____ deg.
 F_c 9.936 (1-e^{-s}) 0.124

Specific Gravity Separator Gas _____
 Specific Gravity Flowing Fluid _____
 P_c 611.2 P_w 373.6

No.	*** P _t (psia)	P _t ²	P _c ² - P _t 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.	404.2	163.4	210.2	7.631	58.22	7.22	170.6	203.0
2.	322.2	103.2	270.4	8.903	79.26	9.83	113.0	260.6
3.	257.2	66.2	307.4	9.767	95.39	11.83	78.0	295.6
4.	239.2	57.2	316.4	9.837	96.77	11.99	69.2	304.4
5.								

Wellhead Potential: 1,050 MCFPD; θ_t 61.0; n_t .554
 OF Potential: 1,110 MCFPD; θ 58.5; n .610

Conducted by: H. H. Kerby
 Witnessed by: _____
 Calculated by: H. H. Kerby