

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

RECEIVED

SEP 5 1961

Pool Delware Formation Delware County Eddy O.C.C.
 Initial X Annual _____ Special _____ Date of Test 6-20-60
 Company Hankamer Lease Hanson Federal Well No. 1
 Init M Sec. 12 Twp. 26 Rge. 29E Purchaser _____
 Casing 2 1/2 Wt. _____ I.D. _____ Set at 3209 Perf. Open To 3228
 Tubing None Wt. _____ I.D. _____ Set at _____ Perf. _____ To _____
 Gas Pay: From 3209 To 3247 L 3209 x G .650 assumed GL 2805 Bar. Press. 13.2
 Producing Thru: Casing X Tubing _____ Type Well Single
 Single-Bradenhead-G. G. or G. O. Dual
 Date of Completion: _____ Packer: _____

Flow Data						Tubing Data		Casing Data		Duration of Flow Hr.	
No.	Prover Excess Size	x	Choke Orifice Size	Press. psig	Diff. hw	Temp. °F.	Press. psig	Temp. °F.	Press. psig		Temp. °F.
SI							998				66
1.	2	X	1/4				684	88			3
2.	2	X	3/8				576	82			3
3.	2	X	7/16				527	75			3
4.	2	X	1/2				464	72			3
5.	2	X	1/4				791	79			24

No.	Coefficient (24-Hour)	$\sqrt{h_{wDw}}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	1.4030		697.2	.9741	.9608	1.061	971.3
2.	3.0691		589.2	.9795	.9608	1.053	1,791
3.	4.3997		540.2	.9859	.9608	1.053	2,370
4.	5.5233		477.2	.9887	.9608	1.045	2,617
5.	1.4030		804.2	.9822	.9608	1.081	1,150

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
 Gravity of Liquid Hydrocarbons _____ deg.
 F_c 5.866 (1-e^{-s}) .176

Specific Gravity Separator Gas _____
 Specific Gravity Flowing Fluid _____
 P_c 1011.2 P_c 1002.5

No.	P _w 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.	697.2	486.1	516.4	5.70	32.49	5.72	491.8	510.7
2.	589.2	347.1	655.4	10.51	110.46	19.44	366.5	636.0
3.	540.2	291.8	710.7	13.90	193.21	34.00	325.8	676.7
4.	477.2	227.7	774.8	15.35	235.62	41.47	269.2	733.3
5.	804.2	646.7	355.8	6.74	45.43	7.99	654.7	347.8

If greater than 1.000. Slope of 1.000 drawn thru point corresponding to
 test rate of flow

Wellhead Potential: _____ MCFPD; θ_t _____; n_t _____
 Potential: 3.330 MCFPD; θ 45; n 1.0000
 Conducted by: Bobby Boaz
 Witnessed by: _____
 Calculated by: Bobby Boaz