

HOBBS OFFICE OCC

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

1955 OCT 2 PM 2:46

Pool Eumont Formation Queen County Dea
Initial Annual Special x Date of Test 6-18 to 6-22-56
Company C. M. Aikman Lease Currie Well No. 1
Unit I Sec. 7 Twp. 21-N Rge. 17-W Purchaser EPNG
Casing 7" Wt. 20.7 I.D. 4.916 Set at 3670 Perf. 3120 To 3630
Tubing none Wt. none I.D. none Set at none Perf. none To none
Gas 3120 To 3630 L 31.5 M 31.5 GL 423 Bar. Press. 13.2
Producing Thru: Casing x Tubing none Type Well Single
Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: 7-22-53 Packer none Reservoir Temp. none

OBSERVED DATA

Tested Through (Prover) (Choke) (Meter)Type Taps none

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
SI								558		72
1.	4 xxxxxx	1.000	126	3.32	76			439		24
2.	4	1.000	220	2.12	73			337		24
3.	4	1.000	309	1.42	77			340		24
4.	4	1.000	307	1.22	72			348		24
5.										

FLOW CALCULATIONS

No.	Coefficient (24-Hour) C _{lg}	$\sqrt{h_{wp}}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	6.135	48.14		.9850	.9427	1.018	262
2.	6.135	62.58		.9850	.9427	1.022	364
3.	6.135	80.46		.9840	.9427	1.020	467
4.	6.135	77.13		.9827	.9427	1.021	450
5.							

PRESSURE CALCULATIONS

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

Specific Gravity Separator Gas
Specific Gravity Flowing Fluid
P_c 671.3 P_c² 326.3

No.	$\frac{R_s}{P_t}$ P _t (psia)	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	Cal. P _w	$\frac{P_w}{P_c}$
1.	412.2	204.5				204.5	121.8		29.1
2.	400.2	160.2				160.2	166.1		20.0
3.	383.2	124.8				124.8	201.5		14.5
4.	361.2	100.5				130.5	195.8		13.2
5.									

Absolute Potential: 740 MCFPD; n 1.000COMPANY Claud M. AikmanADDRESS P.O. Box 1590, San Angelo, TexasAGENT and TITLE William M. Aikman, PartnerWITNESSED Earl G. SmithCOMPANY El Paso Natural Gas Company

REMARKS