

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Pool South Blanco Formation Dakota County Rio Arriba
Initial Yes Annual _____ Special _____ Date of Test 8-6-60
Company Caulkins Oil Company Lease Bresch "D" Well No. D-140
Unit A Sec. 11 Twp. 26N Rge. 6W Purchaser Southern Union Gas Company
Casing 5 1/2" Wt. 17# I.D. 4.892 Set at 7700' Perf. 7310 To 7510
Tubing 2 3/8" Wt. 4.7# I.D. 1.995 Set at 7341 Perf. - To 7341
Gas Pay: From 7310 To 7510 L 7341 xG 0.660 -GL 4845 Bar.Press. _____
Producing Thru: Casing No Tubing Yes Type Well Single - Gas
Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: 2-12-60 Packer None Reservoir Temp. _____

OBSERVED DATA

Tested Through (DOOR) (Choke) (DOOR) Type Taps _____

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						2579		2579		7 day SI
1.		3/4"	450		72	450	72	970		3 hr flow
2.										
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_{wpf}}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	14.1605		462	.9887	.9535	1.047	6457
2.							
3.							
4.							
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 2591 P_c 6.713,281

No.	P _w 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	P _w P _c
1.						964,324	5,748,951		.379
2.									
3.									
4.									
5.									

Absolute Potential: 7263 MCFPD; n (1.17)ⁿ = 1.1249

COMPANY Caulkins Oil Company
ADDRESS Box 780, Farmington, New Mexico
AGENT and TITLE Charles Cargues Production Foreman
WITNESSED _____
COMPANY _____

REMARKS

Orig & 2 cc: OCC
cc: AFH
International
FOG
File
EPNG
SUG



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The log log paper used for plotting the back pressure curve shall be of at least three inch cycles.

n = Slope of back pressure curve.

Note: If P_w cannot be taken because of manner of completion or condition of well, then P_w must be calculated by adding the pressure drop due to friction within the flow string to P_t .

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