

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 11-1-88	
Company Turner Production Co.				Connection EPNG		
Pool Blanco				Formation Pictured Cliff		Unit
Completion Date 10-25-88		Total Depth 3480		Plug Back TD 3286		Elevation 6402 GR
Csg. Size 4.500		ID 4.090		Perforations: From 3178 To 3210		Farm or Lease Name Riddle-Florance #1
TK. Size 1.660		ID 1.380		Perforations: From open To ended		Well No. 1
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County San Juan
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		State New Mexico
L		H		Gg		% CO ₂
						% N ₂
						% H ₂ S
						Preval
						Meter Run
						Taps

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
51	7 days						491		496		
1.	2 inch		.750	37			37	51	115		3 hours
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.3650		49	1.0088	.9608	1.007	638
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1					A P.L. Gravity of Liquid Hydrocarbons	Dea.
2.					Specific Gravity Separator Gas	X X X X X X X X
3.					Specific Gravity Flowing Fluid	X X X X X
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

NO.	P _c	P _w	P _c ²	P _w ²	P _c ² - P _w ²
1	508	127	258064	16129	241935
2.					
3.					
4.					
5.					

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0667$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0564$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 674$

Absolute Open Flow 674 Mcfd @ 15.025

Angle of Slope 85

Remarks: Gas flow was completely dry. No show of water or condensate.

Approved By Division	Conducted By: <i>J. Alledge</i>	Calculated By: <i>J. Alledge</i>	Checked By: Mr. Fred Turner
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