

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special		Test Date 8-11-82	
Company Amoco Production Company		Connection Gas Company of New Mexico	
Pool Blanco		Formation Mesaverde	
Completion Date 8-2-82		Total Depth 7649	Plug Back TD 6098
Elevation 7112		Farm of Lease Name Jicarilla Apache 102	
Csg. Size 5.500	Wt. 15.5	d 4.950	Set At 7649
Perforations: From 5506 To 6068		Well No. 29A	
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 6067
Perforations: From open To ended		Unit Sec. Twp. Rge. C 9 26N 4W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At None	
Producing Thru Tubing		County Rio Arriba	
Reservoir Temp. °F p		State New Mexico	
Mean Annual Temp. °F p		Baro. Press. - P _a	
L	H	G _g	% CO ₂
% N ₂	% H ₂ S	Prover	Meter Run
Taps			
FLOW DATA			
NO.	Prover Line Size	X	Orifice Size
SI	7 Days		
1.	2.375		.750
2.			
3.			
4.			
5.			
TUBING DATA			
NO.	Press. p.s.i.g.	Temp. °F	Duration of Flow
1.	768		3 hrs
2.	176		
3.			
4.			
5.			
CASING DATA			
NO.	Press. p.s.i.g.	Temp. °F	Duration of Flow
1.	776		
2.	478		
3.			
4.			
5.			
RATE OF FLOW CALCULATIONS			
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m
1	12.365		188
2.			
3.			
4.			
5.			
NO.	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor F _{pv}
1	1.000	.9608	1.018
2.			
3.			
4.			
5.			
NO.	R _f	Temp. °R	T _f
1.			
2.			
3.			
4.			
5.			
Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.			
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.			
Specific Gravity Separator Gas _____ X X X X X X X X			
Specific Gravity Flowing Fluid _____ X X X X X			
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.			
Critical Temperature _____ R _____ R			
P _c 788 P _c ² 620944			
NO.	P ₁ ²	P _w	P _w ²
1		490	240100
2			
3			
4			
5			
(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.6304$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.4429$			
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3281$			
Absolute Open Flow 3281 Mcf @ 15.025 Angle of Slope 0 Slope, n .75			
Remarks: Permanent Bp at 6098			
Approved By Division			
Conducted By: J. J. Barnett			
Calculated By: J. J. Barnett			
Checked By: 02			