

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 5-8-76	
Company Manning Gas & Oil Company			Connection Waiting on pipeline		
Pool So. Blanco P.C.			Formation Pictured Cliffs		Unit
Completion Date 4-17-76		Total Depth 2972	Plug Back TD 2913	Elevation 6754' KB	Farm or Lease Name Apache
Csg. Size 4.500	Wt. 10.50	d 4.052	Set At 2950	Perforations: From 2810 To 2828	Well No. 15
Thq. Size 1.660	Wt. 2.40	d 1.380	Set At 2804	Perforations: From 2800 To 2803	Unit Sec. Twp. Rge. M 4 24N 4W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At NONE	County Rio Arriba
Producing Thru Tubing		Reservoir Temp. °F 90° 2972	Mean Annual Temp. °F --	Baro. Press. - P _a 12.0	State New Mexico
L 2800	H 2800	G _g 0.72	% CO ₂ -	% N ₂ -	% H ₂ S - Prover - 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. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							857		857		9 day
1.	3/4" THC						47	60	330		3 hrs.
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	Pressure P _m	Flow Temp. Factor Ft	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd	
1	12.3650	59	1.0000	0.9129	1.0000	666	
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1.								
2.								
3.								
4.								
5.								

P _c 869	P _c ² 755.161	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1832$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1537$
NO.	P _t ²	P _w	P _w ²
1		342	116.964
2			
3			
4			
5			

Absolute Open Flow 768 Mcfd @ 15.025		Angle of Slope θ	Slope, n 0.85
Remarks:			
Approved By Commission: Conducted By: H. Williams			
Calculated By: Ewell N. Walsh			
Checked By:			