

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 4-18-76		Total Depth 2917		Plug Back TD 2878		Elevation 6714' KB		Farm or Lease Name Apache	
Csg. Size 4.500	Wt. 10.50	d 4.052	Set At 2917	Perforations: From 2758 To 2832		Well No. 16			
Thg. Size 1.660	Wt. 2.40	d 1.380	Set At 2804	Perforations: From 3800 To 3803		Unit D		Sec. 9	Twp. 24N
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 @ 2917		Mean Annual Temp. °F -		Baro. Press. - P _a 12.0		State New Mexico	
L 3800	H 3800	G _g 0.720	% 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	
1.	3/4" THC						855	60	855	290	9 da.
2.											3 hrs.
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	41	1.0000	0.9129	1.0000	463	
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °F	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.			A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.			Specific Gravity Separator Gas _____ XXXXXXXXXX
3.			Specific Gravity Flowing Fluid _____ XXXXX
4.			Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.			Critical Temperature _____ R _____ R

P _c 867	P _c ² 751,689	(1) $\frac{P_c^2}{P_e^2 - P_w^2} = 1.1380$	(2) $\left[\frac{P_c^2}{P_e^2 - P_w^2} \right]^n = 1.1162$
NO.	P _t ²	P _w	P _w ²
1		302	91,204
2			
3			
4			
5			

Absolute Open Flow 517 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: _____			