

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

Form O-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special 1/15/81							
Company Consolidated Oil & Gas				Production Gas Co. of New Mexico			
Basin Basin				Location Gallup			
Completion Date 1/8/81		Total Depth 6939'		Perforations 6208'		Perforations 5975'	
Perforations 1/8/81		Perforations 6938		Perforations 6012' To 6117'		Perforations Payne	
Perforations 1.5		Perforations 2.9		Perforations 1.610		Perforations 6064'	
Type Well - Single - One Inlet - G.G. or G.C. Multiple G.G. Dual				Perforations 6208'		County San Juan	
Producing thru TBG		Reservoir Temp. °F 164		Mean Annual Temp. °F 12		State New Mexico	
L		H		G		Prover	
		0.670					
FLOW DATA				TUBING DATA		CASING DATA	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F
1.	Choke		0.750	40	64	950	940
2.							300
3.							
4.							
5.							
RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w f_m}$	Pressure P_m	Flow Temp. Factor F_L	Gravity Factor F_g	Rate of Flow Q , Mscf	
1	12.365		52	0.9962	0.9463	1.004 609	
2							
3							
4							
5							
NO.	P_b	Temp. °R	T_b	Z	Gas-Liquid Hydrocarbon Ratio _____ Mcf/bbl.		
1					Actual Gravity of Liquid Hydrocarbon _____ Deg.		
2					Specific Gravity Separator Gas _____		
3					Specific Gravity Flowing Fluid _____		
4					Critical Pressure _____ P.S.I.A.		
5					Critical Temperature _____ °R		
P 962		P _c ² 925444		(1) $\frac{P_c^2}{P^2 - P_w^2} = 1.1176$		(2) $\left[\frac{P_c^2}{P^2 - P_w^2} \right]^n = 1.0869$	
NO.	P	P _w	P _c ²	P _c ² - P _w ²	(3) $\left[\frac{P_c^2}{P^2 - P_w^2} \right]^n = 662$		
1							
2							
3							
4							
5							
Absolute Open Flow 662				M.D.P. _____		Slope, n 0.75	
Remarks:							
Approved By Commission:		Conducted By:		Calculated By:		Checked By:	
		Wilson Service Co		Wilson Service Co.			