

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 11-29-77	
Company Oklahoma Oil Company				Connection none			
Pool Nipp				Formation Pictured Cliff		Unit	
Completion Date 11-29-77		Total Depth 1110'		Plug Back TD 1067'		Elevation 6097	
Csg. Size 2 7/8		Wt. 6.5		d 2.441		Set At 1107'	
Thq. Size none		Wt. N/A		d N/A		Set At N/A	
Perforations: From 1044 To 1048		Perforations: From N/A To		Farm or Lease Name Navajo 4		Well No. 1	
Unit E		Sec. 4		Twp. 25N		Rge. 12W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At none	
Producing Thru Casing		Reservoir Temp. °F 80° @ 1100'		Mean Annual Temp. °F -		Baro. Press. - P _a -	
L		H		Gg		Prover	
				.62			
				% CO ₂		% N ₂	
				-		-	
				% H ₂ S		-	
				-		-	
				Meter Run		Taps	
				-		-	
FLOW DATA				TUBING DATA		CASING DATA	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Duration of Flow
1.	2x6x.75			10			3 Hrs.
2.							
3.							
4.							
5.							
RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	11		22	1.020	1.270	1.0020	314
2.							
3.							
4.							
5.							
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.		
1.	.033	500	1.37	1.0020	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.		
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. _____ P.S.I.A.		
5.					Critical Temperature _____ R _____ R		
P _c 182 P _c ² 33124					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0148$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0126$		
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 318$		
1.		22	484	32640			
2.							
3.							
4.							
5.							
Absolute Open Flow 318 Mcfd @ 15.025					Angle of Slope @ _____		Slope, n .85
Remarks: _____							
Approved By Commission:		Conducted By: John Alexander		Calculated By: K. Jenkins		Checked By:	