

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 6/20/1980	
Company NWP Corporation				Connection New Completion			
Pool Basin				Formation Dakota		Unit SJ 32-7	
Completion Date 5-14-80		Total Depth 8020		Plug Back TD 8006		Elevation 6464	
Csg. Size 4.500		Wt. 10.5		Set At 4.052 8020		Perforations: From 7916 To 7972	
Tng. Size 2.375		Wt. 47		Set At 1.995 7276		Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Single						Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F a		Mean Annual Temp. °F		Baro. Press. - P _a 12-0	
L		H		Gg .585		% CO ₂ % N ₂ % H ₂ S	
Prover positive choke						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.
1.	2	X	.750	63		70°	63
2.							
3.							
4.							
5.							
RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super. Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	9.604		75	.991	1.307	1.006	939
2.							
3.							
4.							
5.							
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio		
1.					A.P.I. Gravity of Liquid Hydrocarbons		
2.					Specific Gravity Separator Gas		
3.					Specific Gravity Flowing Fluid		
4.					Critical Pressure		
5.					Critical Temperature		
P _c 2362 P _c ² 5579044					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0127$		
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0095$		
1		265	70225	5508819			
2							
3							
4							
5							
Absolute Open Flow 948					Mcfd @ 15.025		Slope, n .75
Remarks: Well produced very light mist of water throughout test.							
Approved By Commission:		Conducted By: George Bryan		Calculated By: B.J. Broughton		Checked By:	