

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

Form C-122
Revised 9-1-65

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 9/21/84		OCT 03 1984	
Company Northwest Pipeline Corporation				Connection New Completion		OIL CON. DIV.	
Pool Wildcat				Formation Gallup		Unit DIST. 3 San Juan 30-5	
Completion Date 9/6/84		Total Depth 8293'		Plug Back TD 8275'		Elevation 6870' KB	
Csg. Size 4.500		Wt. 11.6		Set At 4.052		Perforations: From 6876' To 7838'	
Thg. Size 2.375		Wt. 4.7		Set At 1.995		Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Single				Packer Set At None		Well No. #102 Comg.	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12.0	
L		H		G _g Est. .590		% CO ₂	
						% N ₂	
						% H ₂ S	
						Positive Choke	
						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	Press. p.s.i.g.
SI	SIP						
1.	2"	X	.750"			70°	2368
2.							143
3.							70°
4.							2250
5.							572
							70°
							3 Hrs.
RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	9.604		155	.991	1.302	1.012	1944
2.							
3.							
4.							
5.							
NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.		
1.					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 2380 P _c ² 5664400					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0641$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0477$		
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2037$		
1		584	341056	5323344			
2							
3							
4							
5							
Absolute Open Flow 1324 MCF					Mcf @ 15.025		Slope, n .75
Remarks: Produced light mist throughout test. Vented 240 MCF.							
Downhole Commingled - Phillips applying; based on DK - 35% = 712 MCF.							
Gal - 65% = 1324 MCF.							
Approved By Commission:		Conducted By: Gip Aulbert		Calculated By: M.J. Turnbaugh		Checked By:	

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