

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 11-06-81	
Company Northwest Pipeline Corporation				Connection New Completion		
Pool Blanco				Formation Mesa Verde		Unit San Juan 30-5
Completion Date 8-02-81		Total Depth 6142'		Plug Back TD 6125'	Elevation 6819'	
C/L 000 4.500		Wt. 20.0 10.5	d 6.456 4.052	Set At 4137' 3941'-6141'	Perforations: From 5668' To 6098'	
Tq. Size 2.375		Wt. 4.7	d 1.995	Set At 5954'	Perforations: From To	
Type Well - Single - Broadhead - G.C. or G.O. Multiple Gas - Multiple Completion				Packer Set At 3900'		County Rio Arriba
Producing Thru Tubing		Reservoir Temp. °F 6		Mean Annual Temp. °F		Baro. Press. - P _a 12.0
L		H	G _g est. .595	% CO ₂	% N ₂	% H ₂ S
					positive choke	
					Meter Run	
					Taps	
State New Mexico						

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.	2"	X	.750	140		60°	140		calc.		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 Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mscf
1.	9.604		152	1.000	1.296	1.013	1917
2.							
3.							
4.							
5.							

NO.	P _i	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/Mbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	Dec.
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.
5.					Critical Temperature	R

NO.	P _i	P _w	P _e	P _e ² - P _w ²
1.	595	312	354025	97344
2.				
3.				
4.				
5.				

(1) $\frac{P_e^2}{P_e^2 - P_w^2} = 1.3792$

AOF = Q $\left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n = 2440$

(2) $\left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n = 1.2727$

Absolute Open Flow		2440	Mcf @ 15.025	Angle of Slope @	Slope, n	.75
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Remarks: Produced light mist of water throughout test. Vented 255 MCF.					
GI	1-E-S	(FcO ₂)	R ²	Pt ²	Calc. Pw
3537	.227	324851	73741	23104	312 PSIA

Approved By Commission	Conducted By: Fred S. Hamrick	Calculated By: B.J. Broughton	Checked By: [Signature]
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