

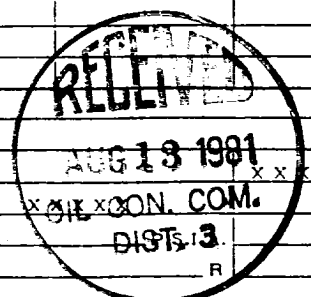
NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 7-20-81	
Company Northwest Pipeline Corporation				Connection New Completion			
Pool Blanco				Formation Mesa Verde		Unit San Juan 29-5	
Completion Date 6-30-81		Total Depth 5800'		Plug Back TD 5765'		Elevation 6405'	
Cg. 800		Wt. 20.0		d 6.456		Set At 3695'	
4.500		10.5		4.052		3471-5800	
Thq. Size 2.378		Wt. 4.7		d 1.995		Set At 5567'	
Perforations: From 5263'		To 5628'		Well No. #104 MV		Unit Sec. Twp. Rge. B 10 29N 5W	
Type Well - Single - Brazenhead - G.G. or G.O. Multiple Gas - Multiple Completion				Packer Set At 3440'		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a 12.0	
State New Mexico		L		H		Gg est. .670	
% CO ₂		% N ₂		% H ₂ S		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.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							1110				SIP
1.	2"	X	.750	130		60 ⁰	130		283 (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, Mcfd
1	9.604		142	1.000	1.222	1.014	1690
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	
1					
2					
3					
4					
5					

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl. A.P.I. Gravity of Liquid Hydrocarbons _____ Deg. Specific Gravity Separator Gas _____ Specific Gravity Flowing Fluid _____ Critical Pressure _____ P.S.I.A. Critical Temperature _____ R				
P _c 1122	P _c ² 1258884			
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²
1		283	80089	1178795
2		(calc)		
3				
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0679$$

$$AOF = C \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1775$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0505$$

Absolute Open Flow	1775	Mcf @ 15.025	Angle of Slope °	Slope, n	.75
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Remarks: Produced heavy mist of water. Vented 242 MCF.

G1	1-e-s	Fc0 ²	R ²	Pt ²	Pt ² +R ²	Calc. Pw
3730	.238	252472	60088	20164	80252	283 Psia

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