

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 11-1-77			
Company Northwest Pipeline Corp.				Connection New Well					
Pool Blanco				Formation Mesa Verde				Unit San Juan	
Completion Date 10-24-77		Total Depth 5867		Plug Back TD 5832		Elevation 6470 GR		Farm or Lease Name 30-5	
Csg. Size 7.000 4.500	Wt. 20.0 10.5	d 6.456 4.052	Set At 3804 3700-5866	Perforations: From 5484 To 5782		Well No. #60			
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 5765	Perforations: From To		Unit H 5 30 5			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Single						Packer Set At None		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12.0		State New Mexico	
L	H	G _g .583	% 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.	Temp. °F	Press. p.s.i.g.		Temp. °F
1.	2"	X	.750	289		56°	1125 289		1125 784		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	9.402		301	1.004	1.310	1.021	3800
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 1137 P _c ² 1292769				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		796	633616	659153
2				
3				
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.9613$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.6573$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 6298$$

Absolute Open Flow	6298	Mcfd @ 15.025	Angle of Slope	Slope, n	.75
Remarks: Well produced very light mist of water					

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