

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

Form O-112
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 10/6/75			
Company Northwest Pipeline Corporation				Connection New Connection				
Pool Blanco				Formation Mesa Verde				Unit San Juan 29-6
Completion Date 9/28/75		Total Depth 5658		Plug Back TD 5630		Elevation 6356 G1		Farm or Lease Name San Juan 29-6 Unit
Csg. Size 4.500	Wt. 10.	d 1.995	Set At 5660	Perforations: From 5008 To 5592		Well No. 56A		
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 5575	Perforations: From To		Unit Soc. Twp. Rge. C 33 29 6		
Type Well - Single - Gradeneed - G.C. 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	Cg .69	% CO ₂	% N ₂	% H ₂ S	Prover Orifice Meter	Meter Run 4"	Taps flange

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	p.s.i.g.	Diff.	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							601		659		SIP
1.	4 X 2.500			64	7.3	67°	305		538		3hr
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	Meter Differential	Pressure Meter Static	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	103.00	7.3	2.75	.9933	1.204	1.009	2495
2.							
3.							
4.							
5.							

NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	Deq.
2.					Specific Gravity Separator Gas	XXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

$P_c = 671$ $P_c^2 = 450241$				
NO.	P_c^2	P_w^2	P_w^2	$P_c^2 - P_w^2$
1	450241	550	302500	147741
2				
3				
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{450241}{147741}$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 5757$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.3075$$

Absolute Open Flow	5757	Mcf/d @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks: Differential & static reading from L-10 chart factor of 3.162 & orifice factor of 32.64. Well produced 5 bbls of water & a trace of condensate.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
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