

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

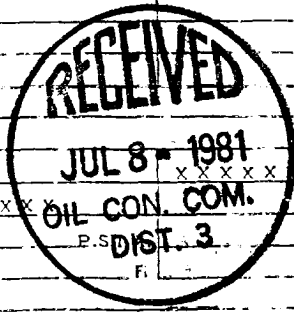
Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 6-24-81									
Company Northwest Pipeline Corporation					Connection New Completion									
Pool Blanco					Formation Mesa Verde					Unit San Juan 32-8				
Completion Date 5-07-81			Total Depth 6148'		Plug Back TD 6148'		Elevation 6583'		Farm or Lease Name San Juan 32-8 Unit					
Csg. Size 5.500		Wt. 17#	d 4.892	Set At 8169'	Perforations: From 5361' To 5874'		Well No. #12A MV							
Tng. Size 1.660		Wt. 2.33	d 1.380	Set At 5728'	Perforations: From To		Unit E 21		Sec. 31N		Rge. - 8W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Multiple Completion					Packer Set At 6148'					County San Juan				
Producing Thru Tubing			Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12.0		State New Mexico					
L	H	G _g est. .590	% 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	
SI							700		702		SIP
1.	2"	X	.750	98		62°	98		581		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 _{sp}	Rate of Flow Q, Mcfd
1	9.604		110	.998	1.301	1.009	1304
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	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	F



P _c	714	P _c ²	509796
NO.	P _t ²	P _w	P _w ²
1		592	350464
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 3.1995$$

$$ACF = \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3110$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.3923$$

Absolute Open Flow	3110	Mcf/d @ 15.025	Angle of Slope @	Slope, n	75
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Remarks: Produced very light mist of water throughout test. Vented 163 MCF/D.

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