

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 12/3/76			
Company Northwest Pipeline Corporation				Connection New Completion			
Pool Blanco				Formation Mesa Verde		Unit San Juan 29-6	
Completion Date 11/26/76		Total Depth 5580		Plug Back TD 5544		Elevation 6215	
Csg. Size 4.500		Wt. 20#		d 6.456		Set At 3584	
Perforations: From 4990		To 5512		Well No. 24A			
Tbg. Size 2.375		Wt. 4.7		d 1.995		Set At 5456	
Perforations: From		To		Unit 0		Sec. 21	
Twp. 29		Rge. 6					
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	
L		H		G _g		State New Mexico	
				.691		Prover meter	
				% CO ₂		Meter Run	
				% N ₂		Taps Flange	
				% H ₂ S			

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Meter PSIG	Meter Diff.	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
1.	4 X 2.750			214	9.8	68°	863		857		SIP
2.							437		703		3hrs
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	Meter Static	Meter Diff.	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	130.00	4.75	9.8	.9924	1.203	1.023	7391
2							
3							
4							
5							

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

$P_c = 875 \quad P_c^2 = 765625$				$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 3.0095 \quad (2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.2849$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	
1		715	511225	254400	
2					
3					
4					
5					

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 16,888$			
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Absolute Open Flow		16,888	Mcfd @ 15.025	Angle of Slope @	Slope, n	.75
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Remarks: Produced 2bbls of condensate.	
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Approved By Commission:	Conducted By: Fred Hamrick	Calculated By: Fred Hamrick	Checked By:
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