

NMOCC

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 3-26-81			
Company Northwest Pipeline Corporation						Connection New Completion			
Pool Blanco						Formation Mesa Verde			
Completion Date 3-14-81		Total Depth 6391'		Plug Back TD 6350'		Elevation 7220'		Farm or Lease Name Jicarilla 92	
Csg. Size 7.000		Wt. 20.0		d 6.456		Set At 4343'		Perforations: From 5796' To 6238'	
Tub. Size 4.500		Wt. 10.5		d 4.052		Set At 3999'-6391'		Well No. #16	
2.375		4.7		1.995		6147'		Unit Sec. Twp. Rge. E 30 27N 3W	
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 8		Mean Annual Temp. °F		Baro. Press. - P _a 12.0		State New Mexico	
L		H		G _g est. .690		% CO ₂		% N ₂	
								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							1162		1162	
1.				337		58°	337		823	
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	Rate of Flow Suppl. of Flow Compress. Factor F _{cp} Mcf/d
1	9.604		349	1.002	1.204	4193
2.						
3.						
4.						
5.						

NO.	P _r	Temp. °R	T _r	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

$P_c = 1174$ $P_w^2 = 1378276$					$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 2.0237$	$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.6967$
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²		
1		835	697225	681051		
2						
3						
4						
5						

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 7114$			Absolute Open Flow <u>7114</u> Mcfd @ 15.025	Angle of Slope <u>e</u>	Slope, n <u>.75</u>
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Remarks: Well produced light mist of water throughout test vented 611 MCF.

Approved By Commission:	Conducted By: Fred S. Hamrick	Calculated By: B.J. Broughton	Checked By: <i>BJB</i>
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