

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 7/7/1980			
Company Northwest Pipeline Corporation						Connection New Completion			
Pool Blanco						Formation Pictured Cliffs			
Completion Date 6/6/80		Total Depth 5572		Plug Back TD 3300		Elevation 6370		Farm or Lease Name Maddox	
Csg. Size 7.000	Wt. 20#	d 6.465	Set At 3565	Perforations: From 2360 To 3080		Well No. 1A PC			
Tub. Size 1.660	Wt. 2.33	d 1.380	Set At 3259	Perforations: From To		Unit P	Sec. 10	Twp. 32N	Rge. 11W
Type well - Single - Drasenhead - G.G. or G.O. Multiple Gas - Dual completion						Packer Set At 3300		County San Juan	
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. .670	% 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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							444		446		SIP
1.	2	x	.750	24		61°	24		151		3hrs.
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	9.604		36	.999	1.222	1.004	424
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.	
					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.	
					Specific Gravity Separator Gas _____ X X X X X X X X	
					Specific Gravity Flowing Fluid _____ X X X X X	
					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.	
					Critical Temperature _____ R _____ R	

P _c 458	P _c ² 209764	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1450$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1220$
NO. 1	P _w 163	P _w ² 26569	P _c ² - P _w ² 183195
2			
3			
4			
5			

Absolute Open Flow 476		Mcf/d @ 15.025	Angle of Slope e _____	Slope, n .85
Remarks: Produced light mist of water throughout test.				

Approved By Commission:	Conducted By: George Bryan	Calculated By: B.J. Broughton	Checked By:
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