

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 6-25-80	
Company Northwest Pipeline Corporation				Connection New Completion			
Pool Blanco				Formation Mesa Verde		Unit	
Completion Date 6-5-80		Total Depth 5572		Plug Back TD 5539		Elevation 6370	
Form or Lease Name Maddox				Well No. 1A (MV)			
Csg. Size 7.000	Wt. 20.0	d 4.052	Set At 3565	Perforations: From 4635 To 5462		Unit 1A (MV)	
Trq. Size 4.500	Wt. 10.5	d 3440-5572	Set At 5418	Perforations: From To		Unit P 10 32N 11W	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Gas - Dual Completion				Facker Set At 3300		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F a		Mean Annual Temp. °F		Baro. Press. - P _a 12.0	
State New Mexico		L		H		Meter Run	
G _g est. .650		% CO ₂		% N ₂		% H ₂ S	
Prover Pos. Choke		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
1.	2" X .750"			284		62°	284				SIP
2.											3 hrs.
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 Fg	Super Compress. Factor, Fpv	Rate of Flow O, Mcfd
1.	9.604		296	998	1.240	1.031	3627
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1.										
2.										
3.										
4.										
5.										

NO.	P _c	P _w	P _c ²	P _w ²	P _c ² - P _w ²
1.	774	592	599076	350464	248612
2.		(calc)			
3.					
4.					
5.					

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 2.4097$$

$$ACF = C \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 7015$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.9341$$

Absolute Open Flow <u>7015</u>		Mcf @ 15.025		Angle of Slope @		Slope, n <u>.75</u>	
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Remarks: Produced light mist of water with a trace of Condensate.							
G _l	1-e-s	(F _c Q) ²	R ²	P+ ²	P+ ² + R ²	PW	
3522	226	1162882	262812	87616	350428	592	

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