

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		Date 8/28/78	
Company Northwest Pipeline Corp.		New Well	
Pool South Los Pinos		Formation Fruitland - Pictured Cliffs	
Completion Date 8/18/78	Total Depth 3785	Plug Back TD 3742	Elevation 6687
Farm or Lease Name Middle Mesa			
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 3782
Perforations: From 3468 To 3661		Well No. #2	
Tbg. Size 1.900	Wt. 2.9	d 1.610	Set At 3325
Perforations: From To		Unit Sec. Twp. Rge. J 33 32 7	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Single		Packer Set At None	
Producing Thru Tubing		County San Juan	
Reservoir Temp. °F #		State New Mexico	
Mean Annual Temp. °F		Baro. Press. - P _a 12.0	
L	H	Gg .691	% CO ₂ % N ₂ % H ₂ S
Prover 3/4" 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							1550		1550		SIP
1.	2"	x	.750	440		63°	440		1250		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 Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	9.604		452	.997	1.203	1.049	5462
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 1562	P _c ² 2439844			
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		1262	1592644	847700
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.8799$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.2107$

ACF = C $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 12075$

Absolute Open Flow	12075	Mcf @ 15.025	Angle of Slope °	Slope, n	.75
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Remarks: Well produced light mist of condensate throughout test.

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