

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 5/23/80			
Company Northwest Pipeline Corporation				Connection New Completion					
Pool Basin				Formation Dakota				Unit San Juan 32-7	
Completion Date 5/9/80		Total Depth 7740		Plug Back TD		Elevation 6180		Farm or Lease Name San Juan 32-7 Unit	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 7742	Perforations: From 7658 To 7714		Well No. 58			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 7715	Perforations: From To		Unit G	Sec. 18	Twp. 32N	Rge. 7W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Single						Packer Set At None		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12.0		State New Mexico	
L	H	G _g .60	% 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. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							2316		2883		SIP
1.	2 X .750			47		64°	47		227		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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	9.604		59	.996	1.291	1.003	731
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	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 2895	P _c ² 8381025	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0069$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0051$
NO.	P _t ²	P _w	P _w ²
1		239	57121
2			
3			
4			
5			

Absolute Open Flow 735 Mcfd @ 15.025		Angle of Slope @	Slope, n .75
Remarks: Well produced medium mist of water through-out test.			
Approved By Commission:	Conducted By: Jack Vescovi	Calculated By: B.J. Broughton	Checked By: