

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 10/07/83			
Company Northwest Pipeline Corporation						Connection New Completion			
Pool Basin				Formation Dakota				Unit San Juan 30-5	
Completion Date 9/11/83		Total Depth 7980'		Plug Back TD 7950'		Elevation 6581' KB		Farm or Lease Name San Juan 30-5 Unit	
Csg. Size 4.500	Wt. 11.6	d 4.052	Set At 7972'	Perforations: From 7848' To 7894'		Well No. #92			
Tub. Size 2.375	Wt. 4.7	d 1.995	Set At 7825'	Perforations: From To		Unit K		Sec. 26	Twp. 30
Type Well - Single - Brdenhead - G.G. or G.O. Multiple Gas - Single						Packer Set At None		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _a 12.0		State New Mexico	
L	H	Gg Est. .580	% CO ₂	% N ₂	% H ₂ S	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	
1.	2"	X	.750"			69	110	69	505	69	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		122	.992	1.313	1.009	1540
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	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 2782	P _c ² 7739524	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0358$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0267$
NO. 1	P _t ²	P _w	P _w ²
1		517	267289
2			
3			
4			
5			

Absolute Open Flow 1581		Mcf @ 15.025	Angle of Slope θ _____	Slope, n .75
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Remarks: Produced light mist throughout test. Vented 251 MCF.

Approved By Commission:	Conducted By: Gip Aulbert	Calculated By: M.J. Turnbaugh	Checked By:
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