

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 6-27-80			
Company Northwest Pipeline Corporation						Connection New Completion			
Pool Basin						Formation Dakota		Unit San Juan 31-6	
Completion Date 6-9-80		Total Depth 8014		Plug Back TD 8003		Elevation 6494		Farm or Lease Name San Juan 31-6 Unit	
Csg. Size 4.500	Wt. 11.6 10.5	d 4.052	Set At 8014	Perforations: From 7976 To 8000		Well No. 33			
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 7980	Perforations: From To		Unit G	Sec. 34	Twp. 31N	Rge. 6-W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - single						Packer Set At None		County Rio Arriba	
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. .585	% CO ₂	% N ₂	% H ₂ S	Prover Pos. 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							2866		2871		SIP
1.	2" X .750"			313		73°	313		1230		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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	9.604		325	.988	1.307	1.022	4119
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 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 2883	P _c ² 8311689	
NO.	P _i ²	P _w
1		1242
2		
3		
4		
5		

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.2279$$

$$AOF = C \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4805$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1665$$

Absolute Open Flow 4805	Mcf/d @ 15.025	Angle of Slope @	Slope, n .75
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Remarks: Produced light mist of water throughout test.

Approved By Commission:	Conducted By: Chik Charlev	Calculated By: B.J. Broughton	Checked By:
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