

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 4/18/83			
Company Northwest Pipeline Corporation						Connection New Completion			
Pool Basin				Formation Dakota		Unit San Juan 31-6			
Completion Date 3-11-83		Total Depth 8092'		Plug Back TD 8062'		Elevation 6525' KB		Farm or Lease Name San Juan 31-6 Unit	
Csg. Size 4.500	Wt. 11.6	d 4.052	Set At 8090'	Perforations: From 7982' To 8004'		Well No. #42			
Tub. Size 2.375	Wt. 4.7	d 1.995	Set At 7975'	Perforations: From To		Unit Sec. Twp. Rge. B 36 31 6			
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 #		Mean Annual Temp. °F		Baro. Press. - P _a 12.0		State New Mexico	
L	H	Gg est. .590	% 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. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI	SIP						2800		2800	
1.	2"	X	.750"	154		65°	154	65°	685	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		166	.995	1.302	1.013	2,092
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °F	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
					Specific Gravity Separator Gas _____ XXXXXXXXXX
					Specific Gravity Flowing Fluid _____ XXXXX ON. DIV.
					Critical Pressure _____ P.S.I.A.
					Critical Temperature _____ °F

P _c 2812	P _c ² 7907344	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0655$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0487$
NO.	P _t ²	P _w	P _w ²
1		697	485809
2			
3			
4			
5			

Absolute Open Flow 2,194		Mcf/d @ 15.025	Angle of Slope @ _____	Slope, n .75
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Remarks: Produced light mist throughout test. Vented 364 MCF.

Approved By Commission:	Conducted By: Chik Charley	Calculated By: M.J. Turnbaugh	Checked By:
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