

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-172
Revised 9-1-65

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 02/03/84		FEB 21 1984	
Company Northwest Pipeline Corporation				Connection New Completion			
Pool Basin				Formation Dakota		Unit San Juan 31-6	
Completion Date 01/15/84		Total Depth 8102'		Plug Back TD 8080'		Elevation 6515' KB	
Csg. Size 4.500		Wt. 11.6		Set At 8102'		Perforations: From 7984' To 8035'	
Trq. Size 2.375		Wt. 4.7		Set At 7976'		Perforations: From To	
Type Well - Single - Bradenhead - G.C. 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	
L		H		G _g 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.	Temp. °F	
1.	2"	X	.750"			63°	2800	63°	2790	63°	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		241	.997	1.302	1.017	3056
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 2812	P _c ² 7907344	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1543$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1136$
NO. 1	P _w ² 1028	P _w ² 1056784	P _c ² - P _w ² 6850560
2.			
3.			
4.			
5.			

Absolute Open Flow 3403		Mcf @ 15.025	Angle of Slope @ _____	Slope, n .75
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Remarks: Produced light mist throughout flow. Vented 367 MCF.

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