

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

Form O-122
Revised 9-1-65

RECEIVED
OCT 13 1983

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 9/29/83		OIL CON. DIV. DIST. 9	
Company Northwest Pipeline Corporation				Connection New Completion			
Pool Basin				Formation Dakota		Unit San Juan 30-5	
Completion Date 9/04/83		Total Depth 8850'		Plug Back TD 8828'		Elevation 7505'	
Csg. Size 4.500		Wt. 11.6		Set At 8846'		Perforations: From 8752' To 8800'	
Trg. Size 2.375		Wt. 4.7		Set At 8700'		Perforations: From To	
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	
L		H		G _g 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	
SI	SIP						2260		2272		
1.	2"	X	.750"			69 ⁰	66	69 ⁰	510	69 ⁰	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		78	.992	1.313	1.006	982
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 2284 P _c ² 5216656			
NO	P _t ²	P _w	P _w ²
1		522	272484
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0551$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0411$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1022$$

Absolute Open Flow	1022	Mcf/d @ 15.025	Angle of Slope @	Slope, n	.75
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Remarks: Produced heavy to light mist throughout test. Vented 151 MCF.

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