

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 10-22-81	
Company Northwest Pipeline Corporation						Connection New Completion	
Pool Basin				Formation Dakota		Unit San Juan 30-5	
Completion Date 10-06-81		Total Depth 8370'		Plug Back TD 8280'		Elevation 6998'	
Csg. Size 4.500		Wt. 10.5		Set At 8346'		Perforations: From 8284' To 8298'	
Trq. Size 2.375		Wt. 4.7		Set At 8270'		Perforations: From To	
Type Well - Single - Broadness - G.G. or G.O. Multiple Gas - Single						Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _a 12.0	
L		H		G _g est. .60		% CO ₂ % N ₂ % H ₂ S positive choke	
County San Juan				State New Mexico			
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							1984		2705	
1.	2"	X	.750"	108		68 ⁰	108		503	
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, Mscf
1	9.604		120	.992	1.291	1.011	1492
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
1					Specific Gravity Separator Gas _____ X X X X X X X X
2.					Specific Gravity Flowing Fluid _____ X X X X
3.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
4.					Critical Temperature _____ R _____ R
5.					

P _r 2717	P _r ² 7382089	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0373$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0278$
NO. 1	P _r ² 515	P _w ² 265225	P _c ² - P _w ² 7116864
2			
3			
4			
5			

ACF = Q	$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1534$
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Absolute Open Flow 1534	Mscf @ 15.025	Angle of Slope θ	Slope, n 75
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Remarks: Produced heavy mist of water throughout test. Vented 205 MCF.

Approved by Corporation:	Computed by: Fred S. Hamrick	Calculated by: B.J. Broughton	Checked by: <i>[Signature]</i>
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