

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 8/01/85	
Company Northwest Pipeline Corporation				Connection New Completion		
Pool Undesignated				Formation Gallup		Unit Rosa
Completion Date 10-01-84		Total Depth 8141'		Plug Back TD 8096'		Elevation 6436' GR
Csg. Size 4.500		Wt. 11.6	d 4.052	Set At 8139'	Perforations: From 6887' To 7270'	
Tbg. Size 2.375		Wt. 4.7	d 1.995	Set At 8065'	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Dual					Packer Set At 7350'	
Producing Thru Annulus		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a 12.0
L	H	Gg Est. .600	% CO ₂	% N ₂	% H ₂ S	Positive Choke
County Rio Arriba						
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.	Temp. °F	
1.	SIP								2264		
2.	2" X .750"							60°	* 79	60°	3 Hrs.
3.									* Annular Flow		
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft	Gravity Factor Fg	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	9.604		91	1.000	1.291	1.007	1136
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 2276	P _c ² 5180176	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0027$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0020$
NO.	P ₁ ²	P _w	P _w ²
1	118	13924	5166252
2	(Calc.)		
3			
4			
5			

Absolute Open Flow 1138 Mcfd @ 15.025		Angle of Slope θ _____		Slope, n .75
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Remarks: Well blew light mist after 10 mins. of flow. Vented 142 MCF.						
G _l	i-e-s	FcQ ²	R ²	Pt ²	R ² +Pt ²	Calc. Pw
4132	.260	21640	5626	8281	13907	118 psia

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