

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

Form C-122
 Revised 9-1-65

SIG 7-10-74

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 7-16-74	
Company Northwest Pipeline Corporation				Connection El Paso Natural Gas System		
Pool Blanco				Formation Mesa Verde		Unit San Juan 29-6
Completion Date 7-7-74		Total Depth 6191		Plug Back TD 6156	Elevation 6795 G.L.	
Farm or Lease Name San Juan 29-6		Well No. 14 (O.W.W.O.)				
Csg. Size 4 1/2"	Wt. 10.5#	d 4.052	Set At 6191	Perforations: From 5462 To 6138		Unit Sec. Twp. Rge. SW 6 14 29 6
Tbg. Size 2"	Wt. 4.7#	d 1.995	Set At 6036	Perforations: From To		County Rio Arriba
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		State New Mexico
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _g
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover Meter Run Taps
		670				750 choke

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	
SI							831		842		7 days
1.	750						282	79°	664		3 hours
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.365		294	.9822	.9463	1.028	3,473
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 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

NO.	P _t ²	P _w ²	P _w ²	P _c ² - P _w ²
1				
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{729,316}{272,340}$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 7.270$

AOF = Q

Absolute Open Flow	7,270	Mcf/d @ 15.025	Angle of Slope @	Slope, n	.75
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Remarks: Well unloaded heavy H₂O 5 minutes after start of flow. Very light mist remainder of test.

Approved By Commission:	Conducted By: Bobby Broughton	Calculated By: Bobby Broughton	Checked By: <i>R.E. Zelder</i>
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