

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

Form C-122
 Revised 9-1-65

Ready 7-27-74

SIG 7-20-74

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 7-29-74	
Company Northwest Pipeline			Connection New completion			
Pool Blanco			Formation Pictured Cliffs			
Completion Date 7-11-74		Total Depth 3360'		Plug Back TD 3339		
Elevation 6600		Farm or Lease Name Holt				
Csg. Size 2 7/8"	Wt. 6.4#	d 2.441	Set At 3357	Perforations: From 3194 To 3242		
Tbg. Size	Wt.	d	Set At	Perforations: From To		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Tubingless completion				Packer Set At None		
Producing Thru Casing		Reservoir Temp. °F @		Mean Annual Temp. °F 12		
Baro. Press. - P _a 12		State New Mexico				
L	H	Gg .635	% CO ₂	% N ₂	% H ₂ S	
Prover .750 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
SI									1027		9 days
1.	.750 choke								271	74°	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 F _t	Gravity Factor F _g	Super Comp. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		283	.9868	.9721	1.024	3,437
2.							
3.							
4.							
5.							

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

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

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1,079,521}{949,921}$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1148$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3,832$

Calculated PW

Absolute Open Flow	3,832	Mcfd @ 15.025	Angle of Slope θ	Slope, n .85
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Remarks:	GL	1-c-s	FcQ ²	R ²	PT ²	PT ² + R ²	PW
	2028	.137	364,008	49,869	80,089	129,958	360

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