

MULTIPOINT A. ONE POINT BACK PRESSURE TEST FOR GAS WELL

RECEIVED

WELL OPERATING ON COMPRESSOR

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 9/16/78		NOV - 8 1978	
Company Inexco Oil Company		Connection El Paso Natural Gas		O. C. C. ARTESIA, OFFICE	
Pool Looper Draw Strawn Gas Wildcat		Formation Strawn		Unit	
Completion Date 8/22/78		Total Depth 9630 M.D.		Plug Back TD 8948	
Elevation 4224		Form or Lease Name Arroyo Fed.		Well No. 1	
Csg. Size 5-1/2	Wt. 17	d 4.892	Set At 9630	Perforations: From 8399 To 8415	
Tbg. Size 2-7/8	Wt.	d 2.441	Set At 8407	Perforations: From ----- To -----	
Type Well - Single - Brdenhead - G.G. or G.O. Multiple Single			Packer Set At 8407		County Eddy
Producing Thru tbg.		Reservoir Temp. °F 164 @ 8407		Mean Annual Temp. °F 80°	
Baro. Press. - P _a 13.2 0		State New Mexico		Prover -0-	
Meter Run 3.3		Taps Flg.		Prover -0-	
FLOW DATA			TUBING DATA		
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w
51					
1.	4"		.750	520	9
2.					
3.					
4.					
5.					
RATE OF FLOW CALCULATIONS			CASING DATA		
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravim Factor F _g
1	2.78	69.27	533.2	.9905	1.2403
2.					
3.					
4.					
5.					
NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio
1.	.80	530	1.43	.907	375.000 Mct/bbl.
2.					A.P.I. Gravity of Liquid Hydrocarbons 55.0 Deg.
3.					Specific Gravity Separator Gas .63
4.					Specific Gravity Flowing Fluid .657
5.					Critical Pressure 670 P.S.I.A.
					Critical Temperature 369 °R
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2805$
1		692	479	1709	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2339$
2					
3					
4					
5					
Absolute Open Flow		306 Mct/d @ 15.025		Angle of Slope θ 49.6	
Slope, n .850		Remarks:			
Approved By Commission:		Conducted By: Marshall Morris		Calculated By: Computer	
				Checked By: R. E. Valentin	