

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-122
Revised 10-1-70

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 1-20-98				
Company McElvain Oil and Gas Properties				Connection El Paso Field Services					
Pool Blanco				Formation Mesaverde				Unit	
Completion Date 1-13-98		Total Depth 6365'		Plug Back TD 6301'		Elevation 6835 GL		Farm or Lease Name Stateline Com	
Coq. Size 7	Wt. 20#	d	Set At 4023	Perforations:		Well No.			
4.500	10.5#	4.052	6361	From 5208 To 6176		1A			
Trc. Size	Wt.	d	Set At	Perforations:		Unit		Sec.	Twp.
2.375	4.7#	1.995	6019	From open To ended		I		7	32N 9W
Type Well - Single - Drdhead - G.G. or G.O. Multiple Single					Packer Set At None		County San Juan		
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - # 11 psia est.		State New Mexico	
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover	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	7 days						762		1011		No Flow
1.											
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 Compress. Factor F _{sc}	Rate of Flow Q, Mcfd
1.							
2.							
3.							
4.							
5.							

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

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

(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$ _____

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ No Flow

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

Absolute Open Flow	<u>No Flow</u>	Mcf @ 15.025	Angle of Slope	<u>6</u>	Slope, n	_____
Remarks: _____						
Approved By Division		Conducted By: Joe Elledge		Calculated By: Joe Elledge		Checked By: Larry VanRyan