

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type of Test ☒ Initial ☐ Annual ☐ Special					Test Date 2-11-80				
Company El Paso Natural Gas Company				Connection					
Well Blanco				Formation Mesa Verde				Unit	
Completion Date 2-4-80		Total Depth 5219		Flow Back TD 5201		Elevation		Form. or Lease Name Heaton	
Gas Size 4.500	Vel. 10.5	d 4.052	Set At 5219	Perforations: From 4617 To 5044		Well No. 7A			
Wg. Size 2.375	Vel. 4.7	d 1.995	Set At 5017	Perforations: From To		Unit C	Sec. 29	Twp. 31	Range 11
Type Well - Single - Broadhead - G.G. or G.O. Multiple Single					Packer Set At		County San Juan		
Producing Time		Reservoir Temp. °F P		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	R	G _g	% CO ₂	% N ₂	% H ₂ S	Prover	Water 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							574		888		7 Days
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{f_w P_{in}}$	Pressure P _m	Flow Temp. Factor FL	Gravity Factor Fg	Super. Compress. Factor, F _{pv}	Rate of Flow Q, Mscf/d
1							
2.							
3.							
4.							
5.							

NO.	P ₁	Temp. °R	T ₁	Z	Gas Liquid Hydrocarbon Ratio	Ref. Vol.
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

NO.	P ₁	P ₂	P ₃	P ₄	P ₅	P ₆	P ₇	P ₈	P ₉	P ₁₀	P ₁₁	P ₁₂	P ₁₃	P ₁₄	P ₁₅	P ₁₆	P ₁₇	P ₁₈	P ₁₉	P ₂₀
1																				
2																				
3																				
4																				
5																				

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

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

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

Absolute Open Flow	Mscf @ 15.025	Angle of Slope	Slope, n
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Approved by Division

Conducted by

Carl

Rhames

Calculated by

C.R. Wagner

Checked by