

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 10-18-84				
Company Caulkins Oil Company				Connection					
Pool Blanco Mesa Verde				Formation Mesa Verde				Unit	
Completion Date 10-11-84		Total Depth 6835'		Plug Back TD 6835'		Elevation 6149 Gr		Farm or Lease Name Breech	
Csg. Size 5 1/2"	Wt. 15.5#	17#	4.950	Set At 6835'	Perforations From 4548' To 4784'		Well No. 854		
Tub. Size 1 1/4"	Wt. 2.3#	1.330	4768'	Set At	Perforations From 4768' To		Unit H	Sec. 24	Twp. 26N
Type Well - Single - Drillinghead - G.C. or G.O. Multiple Gas - Gas Multiple					Packer Set At 4864'		County Rio Arriba		
Producing Thru Tubing		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	G _g	% 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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							1164		1161		7 Days
1.							36		493		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 Compress. Factor, F _{sp}	Rate of Flow Q, Mcfd
1	14.1605		48	1.000	1.000	1.000	680
2.							
3.							
4.							
5.							

NO.	P ₁	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 _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

NO.	P ₁ ²	P _w ²	P ₂ ²	P ₂ ² - P ₁ ²	(1) $\frac{P_c^2}{P_2^2 - P_1^2} = 1.226$	(2) $\left[\frac{P_c^2}{P_2^2 - P_1^2} \right]^n = 1.165$
1		505	255,025	1,127,951		
2						
3						
4						
5						

AOF = Q $\left[\frac{P_c^2}{P_2^2 - P_1^2} \right]^n = 792$

Absolute Open Flow _____ 792 _____ Mcfd @ 15.025	Angle of Slope _____ 75 _____	Slope, n _____
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Remarks: _____

Approved By Division _____	Conducted By: _____	Calculated By: _____	Checked By: _____
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