

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date				
Company Caulkins Oil Company					Connection				
Pool Blanco Mesa Verde					Formation Mesa Verde				
Completion Date 9-10-81		Total Depth 7800		Plug Back TD 7800		Elevation 6754 Gr.		Farm or Lease Name Breech E	
Csq. Size 5 1/2"	Wt. 17# 15.5#	d 4.950 4.892	Set At 7800	Perforations: From 5728 To 5030		Well No. 64M			
Tbg. Size 1 1/4"	Wt. 2.30#	d 1.380	Set At 5757	Perforations: From 5757 To		Unit Sec. Twp. Rge. J 1 26N 6W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Gas Multiple					Packer Set At 5787		County Rio Arriba		
Producing Thru Tubing		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _g		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. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							709		709		7 Day SI
1.							31		533		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 Ft.	Gravity Factor Fg	Super Compress. Factor, F _{pv}	Rate of Flow O. Mcfd
1	14.1605		43	1.000	1.000	1.000	609
2.							
3.							
4.							
5.							

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

NO.	P _t	P _w	P _t ²	P _w ²	P _t ² - P _w ²
1	721	545	519,841	297,025	222,816
2					
3					
4					
5					

(1) $\frac{P_t^2}{P_t^2 - P_w^2} = 2.333$

(2) $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n = 3.929$

AOF = Q $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n = 2,392$

SEP 18 1981

OIL CONSERVATION DIV.

DIST. 3

Absolute Open Flow	2,392	Mcf/d @ 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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