

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date				
Company Consolidated Oil & Gas Co.				Connection Gas Co. of New Mexico					
Pool Blanco				Formation Mesa Verde				Unit	
Completion Date 10-23-80		Total Depth 6963'		Plug Back TD 6921'		Elevation 5829' GL		Farm or Lease Name Robinson Bros.	
Coq. Size 5.500	Wl. 15.5	d 4.950	Set At 6963'	Perforations: From 4536' To 4758'		Well No. 1-M			
Thq. Size 1.660	Wl. 2.33	d 1.380	Set At 4596'	Perforations: From To		Unit Sec. Twp. Rge. N 34 32 13			
Type Well - Single - Broadhead - G.G. or G.O. Multiple G. G. Dual					Packer Set At 4842'		County San Juan		
Producing Thru Tuging		Reservoir Temp. °F P		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L	H	G _q 0.670	% 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							1175		1185		14 Days
1.	Choke 0.750			55		59			535		3 Hrs.
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 _{pv}	Rate of Flow Q, Mcfd
1	12.365		67	1.001	0.9463	1.004	788
2.							
3.							
4.							
5.							

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

P _c 1197		P _c ² 1432809		(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2639$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1921$	
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²			
1		547	299209	1133600			
2							
3							
4							
5							

Absolute Open Flow 939 Mcfd @ 15.025				Angle of Slope @ _____		Slope, % 0.75	
Remarks: _____							

Approved By Division	Conducted By: Wilson Service Co.	Calculated By: Wilson Service Co.	Checked By:
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