

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 3/2/82	
Company Supron Energy Corporation		Connection Gas Company of New Mexico	
Pool South Blanco		Formation Pictured Cliffs	
Completion Date 2/16/82		Total Depth 7910	Plug Back TD 7420
Elevation 6874		Farm or Lease Name Jicarilla "F"	
Csq. Size 5.500	Wt. 15.50	d 4.950	Set At 7910
Perforations: From 3494 To 3507		Well No. 6	
Tbg. Size 2.0625	Wt. 3.25	d 1.750	Set At 3504
Perforations: From 3498 To 3504		Unit Sec. Twp. Rge. L 34 26N 4W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual - Gas - Gas		Packer Set At 3567	
Producing Thru Tubing		County Rio Arriba	
Reservoir Temp. °F #		Mean Annual Temp. °F	
Baro. Press. - P _a 12		State New Mexico	
L 3488	H	G _g 0.620	% 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	2"		3/4"				1041		1042		7 days
1.							98	65°	327		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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		110	0.9952	0.9837	1.000	1332
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
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

P _c 1054	P _c ² 1,110,916				
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²	
1		339	114,921	995,995	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1154$
2					(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0972$
3					
4					
5					

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1461$$

Absolute Open Flow 1461 Mcfd @ 15.025 Angle of Slope 0 Slope, n 0.85

Remarks:

Approved By Division	Conducted By: Dan Darby	Calculated By: Ken Roddy	Checked By:
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