

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 7-8-81	
Company Jerome P. McHugh		Connection	
Pool South Blanco		Formation Pictured Cliffs	
Completion Date 6-27-81		Total Depth 3260' GL	Plug Back TD 3248' GL
		Elevation 7177' GL	Form or Lease Name Jo Ann's Jewel
Ceq. Size 4 1/2"	Wt. 10.5	d 4.052	Set At 3250' GL
Perforations From 3163 To 3236'	Well No. #3		
Perf. Size 1 1/2"	Wt. 2.4	d 1.380	Set At 3206' GL
Perforations From open end To		Unit Sec. Twp. Rge. J 17 24N 2W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single		Packer Set At --	County Rio Arriba
Producing Thru tubing	Reservoir Temp. °F #	Mean Annual Temp. °F	Baro. Press. - P _a NM
L	H	G _g .62	% 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	
51							879	65	879	65	7 days
1.											
2.											
3.	3/4" pos. choke			139				65	462	65	3 hrs.
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 _{sp}	Rate of Flow O. Mcd
1							
2							
3	12.368		151	.9952	.9837	1.01	1846.59
4							
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1					A.P.I. Gravity of gas and condensate <td>Deg.</td>	Deg.
2					Specific Gravity Separator Gas <td>X X X X X X X X</td>	X X X X X X X X
3					Specific Gravity Drilling Fluid <td>X X X X X</td>	X X X X X
4					Critical Pressure <td>P.S.I.A.</td>	P.S.I.A.
5					Critical Temperature <td>°R</td>	°R

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 OIL CON. COM.
 DIST. 3

P _c 891	P _c ² 793,881	(1) $\frac{P_c^2}{P_e^2 - P_w^2} = 1.39$	(2) $\left[\frac{P_c^2}{P_e^2 - P_w^2} \right]^n = 1.33$
NO.	P _i	P _w	P _e ² - P _w ²
1			
2			
3	474	224,676	579,205
4			
5			

Absolute Open Flow 2450 Mcfd @ 15.025		Angle of Slope @	Slope, n .85
Remarks: dry gas!			
Approved by Division	Conducted by: Anderson	Calculated by: Anderson	Checked by: