

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 3/21/70		SF-047017-B	
Company Chaparral Oil & Gas Co.				Connection Southern Union Gas Company				
Pool Fulcher Kutz Under				Formation Fruitland		Unit F		
Completion Date 3/18/70		Total Depth 1874'		Plug Back TD 1874'		Elevation 5800' GL		
Farm or Lease Name Sally		Well No. 2						
Csq. Size 4 1/2"	Wt. 9.50	d	Set At 1874'	Perforations: From 1604' To 1616'				
Tbg. Size 1 1/2"	Wt. 1.90	d	Set At 1808.85	Perforations: From To		Unit Sec. Twp. Rge. F 24- 28N- 11W		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Multiple				Packer Set At 1794'		County San Juan		
Producing Thru Casing		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a		
State New Mexico								
L	H	Gg	% 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									500		7 Days
1.	2"		3/4"						10		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, Fpv	Rate of Flow Q, Mcfd
1	12.355		22	1.0000	.9258	1.0000	252
2.							
3.							
4.							
5.							

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

P _c 512	P _c ² 262,144	P _w ² 484	P _c ² - P _w ² 261,660	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0018$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0015$
NO.	P _t ²	P _w	P _w ²		
1		22	484		
2.					
3.					
4.					
5.					

Absolute Open Flow 252 Mcfd @ 15.025		Angle of Slope θ	Slope, n
Remarks:			
Approved By Commission:			
Conducted By:		Calculated By:	Checked By: