

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 3/18/70		SF-047017	
Company Chaparra Oil & Gas Co.				Connection Southern Union Gas Company				
Pool Fulcher Kutz				Formation Pictured Cliffs				Unit F
Completion Date 3/18/70		Total Depth 1874'		Plug Back TD 1874'		Elevation 5800' GL		Farm or Lease Name Sally
Csg. Size 4 1/2"	Wt. 9.50	d	Set At 1874'	Perforations: 1812' To 1824' From 1834' To 1838' 2/Ft		Well No. 2		
Tbg. Size 1 1/2"	Wt. 1.90	d	Set At 1808.85	Perforations: 1842' To 1846' From To		Unit F	Sec. 24-	Twp. 28N-
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Multiple				Packer Set At 1794'		County San Juan		
Producing Thru Tubing		Reservoir Temp. °F a		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							237				7 days
1.	2"		3/4"				38				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	12.365		50	1.0000	.9258	1.0000	572
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 _____ OIL & GAS COM.
4					Critical Pressure _____ DIST. 3 P.S.I.A. _____ P.S.I.A.
5					Critical Temperature _____ R _____ R

P _c 249	P _c ² 62001	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2016$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1606$
NO.	P _w	P _w ²	P _c ² - P _w ²
1	102	10404	51597
2			
3			
4			
5			

Absolute Oper. Flow 664 _____ Mcfd @ 15.025		Angle of Slope _____	Slope, n _____
Remarks: _____			
Approved By Commission: _____ Conducted By: _____ Calculated By: _____ Checked By: _____			