

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 4-15-71	
Company Chaparral Oil & Gas Company				Connection Southern Union Gathering		
Pool Fulcher Kutz				Formation Pictured Cliffs		Unit
Completion Date 3-30-71		Total Depth 1950		Plug Back TD		Elevation 5719 GL
Farm or Lease Name Lea Ann		Well No. #2				
Csg. Size 3.50	Wt. 7.7#	d 	Set At 1904'	Perforations: From 1837 To 1855		
Tbg. Size 1"	Wt. 1.7#	d 	Set At 1844'	Perforations: From ---- To ----		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At ----		County San Juan
Producing Thru Casing		Reservoir Temp. °F 		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	
1.	2"		3/4				297		289		
2.							139		76		3 Hrs.
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.	12.365		88	1.0000	.9258	1.0000	1007
2.							
3.							
4.							
5.							

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

P_c 311 P_c² 96,721

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1.		139	19,321	77,400
2.				
3.				
4.				
5.				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2496$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2085$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1217$

Absolute Open Flow	1217	Mcfd @ 15.025	Angle of Slope $\ominus$	Slope, n
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Remarks:

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
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