

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 3/5/70				
Company Chaparral Oil & Gas Co.				Connection					
Pool Fulcher-Kutz				Formation Pictured Cliffs				Unit E	
Completion Date 3/3/70		Total Depth 1787'		Plug Back TD 1787'		Elevation 5604' DF		Farm or Lease Name Chaparral	
Csg. Size 4 1/2"	Wt. 9.5	d	Set At 1787'	Perforations: From 1712' To 1719'		Well No. 1			
Tbg. Size 1 1/2"	Wt. 1.90	d	Set At 1710.21'	Perforations: From 1727' To 1731'		Unit Sec. Twp. Rge. E 34 29N 11W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At		County San Juan		
Producing Thru Tubing		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	
SI	2"		3/4"				206		206		7 Days
1.							85		156		3 Hrs.
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		97	1.0000	.9258		1110
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 218	P _c ² 47524		
NO.	P _i ²	P _w	P _w ²
1		168	28224
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{2.4624}{1} = 2.4624$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{2.1504}{1} = 2.1504$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2387$$

Absolute Open Flow 2387 Mcfd @ 15.025		Angle of Slope @ _____
Remarks: _____		
Approved By Commission:	Conducted By:	Calculated By:
		Checked By:

RECEIVED
MAR 6 1970
OIL CON. COM.
DIST. 3