

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	
Company Chaparral Oil & Gas Co.				Connection			
Pool Fulcher-Rutz				Formation Pictured Cliffs		Unit P	
Completion Date 3-18-70		Total Depth 1846'		Plug Back TD 1846'		Elevation 5655' GR	
Farm or Lease Name Shelly		Well No. 1					
Csg. Size 4 1/2"	Wt. 9.5	d 	Set At 1846'	Perforations: From 1757' To 1773'		Unit Sec. Twp. Rge. P 34 29N 11W	
Tbg. Size 1 1/2"	Wt. 1.90	d 	Set At 1762.13'	Perforations: From To			
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	G _g	% 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.	
SI	2"		3/4"				240		240	
1.							45		165	
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 F _g	Super Compress. Factor F _{pv}	Rate of Flow Q, Mcfd
1	12.365		57	1.0000	.9258	1.0000	653
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 _____ 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 252	P _c ² 63504	
NO.	P _t ²	P _w ²
1	177	31329
2		
3		
4		
5		

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \underline{1.9737}$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1164}$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1.7832}$$

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

RECEIVED

MAR 26 1970

OIL CON. COM.

DIST. 3