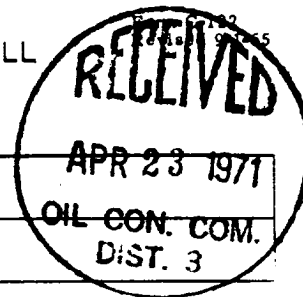


**NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL**



Type Test: ☒ Initial ☐ Annual ☐ Special					Test Date: 4-22-71	
Company: Chaparral Oil & Gas Company				Connection: Southern Union Gathering		
Pool:				Formation: Fruitland		Unit:
Completion Date: 2-23-71		Total Depth: 1829		Plug Back TD:		Elevation: 5600 GL
Farm or Lease Name: Shelly						
Csg. Size: 3.500	Wt. 7.7#	d.	Set At: 1829'	Perforations: From 1503 To 1517		Well No. #2
Tbg. Size: 1.250	Wt. 2.40#	d.	Set At: 1720'	Perforations: From To		Unit Sec. Twp. Rng. G 34 20N 11W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Multiple				Packer Set At: 1720'		County: San Juan
Producing Interval: Casing		Reservoir Temp. °F:		Mean Annual Temp. °F:		State: New Mexico
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover Meter Run Taps

FLOW DATA						TUBING DATA		CASING DATA		Duration
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									571	
1.	2"		3/4						262	
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. Comp. Factor, Fpv	Flow
1	12.365		274	1.0000	.9258	1.0000	3257
2.							
3.							
4.							
5.							

NO.	P _c	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 _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ R

P _c 553	P _c ² 339,889	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.4799$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3953$
NO.	P _w ²	P _w	P _c ² - P _w ²
1	332	110,224	229,665
2			
3			
4			
5			

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4377$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4377$$

Absolute Open Flow: 4377	Mcf/d @ 15.025	Angle of Slope θ	Slope, n
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Remarks:

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