

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 4-19-71	
Company Chaparral Oil & Gas Company			Connection Southern Union Gathering		
Pool Packer Kutz			Formation Pictured Cliffs		Unit
Comm. Date 3-11-71		Total Depth 1900		Plug Back TD	Elevation 5643 GL
Farm or Lease Name Lea Ann		Well No. #1			
Casing Size 3.500	Wt. 7.7#	d	Set At 1846	Perforations: From 1776 To 1790	
Tubing Size 2.0	Wt. 1.7#	d	Set At 1780	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At	
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				269		271		3 Hrs.
2							121		48		
3											
4											
5											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		60	1.0000	.9258	1.0000	687
2							
3							
4							
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
					Specific Gravity Separator Gas _____ X X X X X X X X
					Specific Gravity Flowing Fluid _____ X X X X X
					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
					Critical Temperature _____ R _____ R

P _c 133	P _c ² 80,089				(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2834$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2362$
NO.	P _w	P _w ²	P _w ² - P _c ²			
1	133	17,689	62,400			
2						
3						
4						
5						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 849$

Absolute Open Flow 849 Mcfd @ 15.025

Angle of Slope θ _____

Slope, n _____

Remarks: _____

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