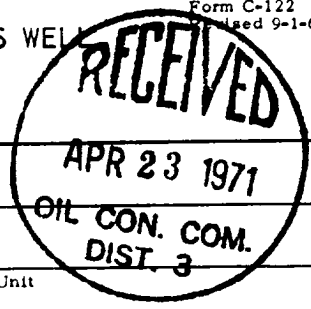


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

Form C-122
Revised 9-1-65



Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 4-19-71	
Company Oil & Gas Company		Connection Southern Union Gathering	
Operator Kutz		Formation Pictured Cliffs	
Test Date 2-23-71		Total Depth 1829	Plug Back TD -
Elevation 5600		Farm or Lease Name Shelly	
Csg. Size 3.500	Wt. 7.7	Set At 1829	Perforations: From 1774 To 1784 1726 To 1736
Csg. Size 1.250	Wt. 2.40	Set At 1720	Perforations: From - To -
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Multiple		Packer Set At 1720	Well No. #2
Producing Thru Tubing		Reservoir Temp. °F @	Mean Annual Temp. °F
Baro. Press. - P _a		County San Juan	
State New Mexico		Unit Sec. Twp. Rge. G 34 - 29N - 11W	

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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI							215				3 Hour
1.	2"		3/4				38				
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		50	1.0000	.9258	1.0000	572
2.							
3.							
4.							
5.							

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

P _c 227	P _w 51.529				
NO	P _c ²	P _w	P _w ²	P _c ² - P _w ²	
1		52	2704	48,825	
2					
3					
4					
5					

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0553$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0470$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 599$

Absolute Open Flow	599	Mcf/d @ 15.025	Angle of Slope Θ	Slope, n 85
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Remarks: _____

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