

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 4/7/79			
Company R & G Drilling Company						Connection Waiting on Pipeline			
Pool Kutz Fruitland						Formation Fruitland			
Completion Date 3/28/79		Total Depth 2060'		Plug Back TD 1732'		Elevation 6020'KB		Farm or Lease Name Krause	
Csg. Size 4.500	Wt. 10.50	d 4.052	Set At 2060'	Perforations: From 1576 To 1638		Well No. 71			
Thq. Size 1.660	Wt. 2.40	d 1.380	Set At 1570'	Perforations: From 1636' To 1638'		Unit Sec. Twp. Rge. H 32 28N-11W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At None		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F 90 @ 2060		Mean Annual Temp. °F 60°		Baro. Press. - P _a 12.0		State New Mexico	
L 1636	H 1636	Gg 0.600	% 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							470		470		8 days
1.	3/4"		THC				55	60	340		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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		67	1.0000	1.0000	1.0000	828
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 482	P _c ² 232,324	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.1428$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.9113$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		352	123,904	108,420
2				
3				
4				
5				

Absolute Open Flow 1,583 _____ Mcfd @ 15.025		Angle of Slope e _____		Slope, n 0.85	
Remarks: _____					

Approved By Commission:	Conducted By: Jerold Brooks	Calculated By: Ewell N. Walsh	Checked By:
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