

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 12/11/78	
Company R & G Drilling Company				Connection Waiting on Pipeline	
Pool Kutz Farmington				Formation Farmington	
Completion Date 11/17/78		Total Depth 1751'		Plug Back (ft) 1708'	
				Elevation 5805'KB	
Form or Lease Name Krause					
Csg. Size 4.500	Wt. 10.50	d 4.052	Set At 1748'	Perforations: From 856' To 942'	
Tbg. Size 1.660	Wt. 2.40	d 1.380	Set At 889'	Perforations: From Open To Ended	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F 85 @ 1751		Baro. Press. - P _a 12.0	
		Mean Annual Temp. °F 60		County San Juan	
				State New Mexico	
L 889	H 889	Gg 0.60	% 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							310		325		8 days
1.	3/4" T.H.C.						15		110		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 Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		27	1.0000	1.0000	1.0000	334
2.							
3.							
4.							
5.							

NO.	R _t	Temp. °R	T _f	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 337	P _c ² 113,569	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1508$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1268$
NO.	P _t ²	P _w	P _w ²
1		122	14,884
2			
3			
4			
5			

Absolute Open Flow 376 _____ Mcfd @ 15.025		Angle of Slope θ _____	
Slope, n 0.85			

RECEIVED
JAN 2 1978
OIL DIST.

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