

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 1-21-77	
Company R & G Drilling Company				Connection Waiting on Pipeline	
Pool Kutz Fruitland Ext.				Unit Fruitland	
Completion Date 1-5-77		Total Depth 2080'		Plug Back TD 1965'	
Elevation 6004'KB		Farm or Lease Name Krause			
Csg. Size 4 1/2	Wt. 10.50	d 4.052	Set At 2003	Perforations: From 1669 To 1678	
Well No. 60					
Tbg. Size 1.660	Wt. 2.40	d 1.380	Set At 1670	Perforations: From 1667 To 1670	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F 98 @ 2080		Mean Annual Temp. °F ----	
Baro. Press. - P _a 12.0		State New Mexico			
L 1678	H 1667	G _g 0.650	% 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.	
SI							500		500	
1.	3/4" T.H.C.						40		150	
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. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		152	1.0000	0.9608	1.0000	618
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbon	_____ Deg.
2.					Specific Gravity Separator Gas	XXXXXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXX
4.					Critical Pressure	_____ P.S.I.A.
5.					Critical Temperature	_____ °R

P _c 512		P _c ² 262,144	
NO.	P _t ²	P _w	P _w ²
1		162	26,244
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.1112$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 676$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0938$$

Absolute Open Flow 676	Mcf/d @ 15.025	Angle of Slope θ _____	Slope, n 0.85
Remarks: _____			

Approved By Commission:	Conducted By: Robert Dintelman	Calculated By: Ewell N. Walsh	Checked By:
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