

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 2-28-77	
Company R&G Drilling Company				Connection Waiting on Pipeline			
Pool Kutz Fruitland Ext.				Formation Fruitland		Unit	
Completion Date 2-19-77		Total Depth 1861'		Plug Back TD 1630'		Elevation 5792' KB	
Farm or Lease Name Krause							
Csg. Size 4.50	Wt. 10.50	d 4.052	Set At 1810	Perforations: From 1468 To 1552		Well No. 61	
Tbg. Size 1.660	Wt. 2.40	d 1.380	Set At 1483	Perforations: From 1480 To 1483		Unit Sec. Twp. Rge. J 28- 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 89 @ 1861		Mean Annual Temp. °F -----		Baro. Press. - P _a 12.0	
State New Mexico							
L 1483	H 1483	Gg 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.		Temp. °F
SI							460		505		7 day
1.	3/4" THC						25	60	145		3 hours
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.3650		37	1.0000	0.9608	1.0000	440
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 Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 517	P _c ² 267,289		
NO.	P _t ²	P _w	P _w ²
1		157	24,649
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.1015$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0857$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 478$$

Absolute Open Flow	478	Mcf/d @ 15.025	Angle of Slope @	Slope, n 0.85
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Remarks:

Approved By Commission:	Conducted By: Lon Cuningham	Calculated By: Ewell N. Walsh	Checked By:
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