NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 6-8-78	
Company: R & G Drilling Company		Connection: Waiting on Pipeline			
Pool: Kutz Farmington		Formation: Farmington			Unit
Completion Date: 5-12-78	Total Depth: 1710'		Plug Back TD: 1280'	Elevation: 5800'KB	Farm or Lease Name: Krause
Csg. Size: 4.500 / Wt.: 10.50 / d: 4.052 / Set At: 1674'			Perforations: From 900 To 1142		Well No.: 64
Tbg. Size: 1.660 / Wt.: 2.40 / d: 1.380 / Set At: 1059			Perforations: From Open To Ended		Unit: P / Sec.: 29 / Twp.: 28N / Rge.: 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 @ 1710'	Mean Annual Temp. °F: ---	Baro. Press. – P_a: 12.0		State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
1059	1059	0.600	----	-----	---	----	----	---

	FLOW DATA				TUBING DATA		CASING DATA		
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	Duration of Flow
SI					400	400			8 days
1.	3/4" T.H.C.				25	250			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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.3650		37	1.0000	1.0000	1.0000	458
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_r	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 412 P_c^2 169,744

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		262	68,644	101,100
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.6789$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.5534$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 711$

Absolute Open Flow 711 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 0.85

Remarks: _____

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