NEW MEXICO OIL CONSERVATION COMMSSION

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: 10/12/81	
Company: LAURENCE C. KELLY		Connection: NONE			
Pool: Blanco Picture Cliffs		Formation: Pictured Cliffs		Unit	
Completion Date: 10/2/81	Total Depth: 3200'	Plug Back TD: 3115'	Elevation: 6405'GL	Farm or Lease Name: Kelly Brothers	
Csg. Size: 4.500 / Wt.: 10.50 / d: 4.000 / Set At: 3199'		Perforations: From 3006' To 3090'		Well No.: 2	
Tbg. Size: 1.660 / Wt.: 2.40 / d: 1.380 / Set At: 3008'		Perforations: From To		Unit: J / Sec.: 8 / Twp.: 30N / Rge.: 10W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single Gas		Packer Set At		County: San Juan	
Producing Thru: Tubing	Reservoir Temp. °F	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
3008'	3008'							

	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					775		775		7 days
1.	3/4" THC				100		475		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		112	1.0000	1.0000	1.0000	1385
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_f	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

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P_c 787 P_c^2 619,369

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		487	237,169	382,200
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.6205$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.5073$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2088$

Absolute Open Flow 2088 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n 0.85

Remarks: _____

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