

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 10/12/81	
Company LAURENCE C. KELLY				Connection NONE			
Pool Blanco Picture Cliffs				Formation Pictured Cliffs		Unit	
Completion Date 10/2/81		Total Depth 3060'		Plug Back TD 3000'		Elevation 6289'GL	
Farm or Lease Name Kelly Brothers		Well No. 1					
Csg. Size 4.500	Wt. 10.50	d 4.000	Set At 3060'	Perforations: From 2904' To 2998'		Unit Sec. Twp. Rge. K 8 30N 10W	
Tbg. Size 1.660	Wt. 2.40	d 1.380	Set At 2909'	Perforations: From To			
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 2909	H 2909	G _g	% 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							800		800		7 days
1.	3/4" THC						100		450		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, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		112	1.0000	1.0000	1.0000	1385
2.							
3.							
4.							
5.							

NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons <td>Deq. </td>	Deq.
2.					Specific Gravity Separator Gas <td>XXXXXX</td>	XXXXXX
3.					Specific Gravity Flowing Fluid <td>XXXXXX</td>	XXXXXX
4.					Critical Pressure <td>P.S.I.A.</td>	P.S.I.A.
5.					Critical Temperature <td>R</td>	R

P _c 812	P _c ² 659,344	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.4786$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3944$
NO.	P _f ²	P _w	P _w ²
1		462	213,444
2			
3			
4			
5			

Absolute Open Flow 1931 Mcfd @ 15.025		Angle of Slope °	Slope, n 0.85
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Remarks:			

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