

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLForm C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 8-28-76			
Company Dugan Production Corp.				Connection				
Pool Undesignated Kirtland				Formation Kirtland				Unit
Completion Date 8-21-76		Total Depth 1395'		Plug Back TD 700'		Elevation 5994' GR		Farm or Lease Name Benjamin Franklin
Csg. Size 2-7/8"	Wt. 6.5#	d	Set At 1382' GR	Perforations: From 640' To 648'			Well No. 1	
Tbg. Size 1-1/4"	Wt. 2.3#	d	Set At 656' GR	Perforations: From Open To Ended			Unit Sec. Twp. Rye. A 10 26N 12W	
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		State New Mexico
L	H	G _g .62 est	% 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							272		272		
1.											
2.											
3.	5/8" Pos Choke			1					39		
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1							
2							
3	8.5417		13	1.000	.9837	1.000	109
4							
5							

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

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1					1.0333	1.0282
2						
3		51	2,601	78,055		
4						
5						

Absolute Open Flow				112	Mcf/d @ 15.025	Angle of Slope θ	Slope $n = .85$
Remarks:							
Approved By Commission:							
Conducted By:		Charles Hall		Calculated By:		Jim L. Jacobs	
Checked By:							