

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 3-16-76					
Company Dugan Production Corp.				Connection					
Pool Fulcher Kutz				Formation Pictured Cliffs					
Completion Date 2-24-76		Total Depth 1904'		Plug Back TD 1841'		Elevation 5751' GR		Farm or Lease Name Knauff	
Seg. Size 2-7/8"	Wt. 6.5#	d	Set At 1891'	Perforations: From 1692' To 1734'		Well No. 1R			
Tbg. Size 1-1/4"	Wt. 2.4#	d	Set At 1738'	Perforations: From Open To Ended		Unit Sec. Twp. Rge. C 31 28N 10W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas				Packer Set At		County San Juan			
Producing Thru Tbg		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	G _q	% 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							200		205		7 days
1.											
2.											
3.	5/8" Pos Choke						62	62°	170		3 hrs
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		74	.9981	.9837	1.000	621
4							
5							

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

P _c 217	P _c ² 47,089	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.5584$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.94152$
NO.	P _t ²	P _w	P _w ²
1			
2			
3		184	33,856
4			
5			

$ACF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1827$			
Absolute Open Flow 1827 Mcfd @ 15.025		Angle of Slope @ _____ Slope, n .85	
Remarks: _____			
Approved By Commission:		Conducted By: Charles Hall	
		Calculated By: Charles Hall	
		Checked By: Thomas A. Dugan	