

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			
Company Dugan Production Corp.				Connection					
Pool Nipp PC Extension				Formation Pictured Cliffs				Unit	
Completion Date 12-3-76		Total Depth 1370'		Plug Back TD 1334'		Elevation 6251' GR		Farm or Lease Name George Washington	
Csg. Size 2-7/8"	Wt. 6.5#	d	Set At 1359'	Perforations: From 1233' To 1248'				Well No. 3	
Tbg. Size 1-1/4"	Wt. 2.4#	d	Set At 1257'	Perforations: From Open To Ended				Unit Sec. Twp. Rge. D 35 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	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps	
			.62						

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							228		230		7 days
1.											
2.	5/8" Pos Choke						8	56°	37		3 hrs
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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1							
2							
3	8.5417		20	1.004	.9837	1.000	168
4							
5							

NO.	P _t	Temp. °R	T _t	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 242	P _c ² 58,564		
NO.	P _t ²	P _w	P _w ²
1			
2			
3	49	2,401	56,163
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0427$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 175$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^{n \cdot 85} = 1.0445$

Absolute Open Flow _____ 175 _____ Mcfd @ 15.025	Angle of Slope _____	Slope, n .85
Remarks: _____		
Approved By Commission:	Conducted By: Charles Hall	Calculated By: Charles Hall
Checked By:		