

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 9-11-78			
Company Dugan Production Corp.						Connection			
Pool						Formation Pictured Cliff			
Completion Date 8-23-78		Total Depth 1770'		Plug Back TD 1733'		Elevation 5890' GR		Farm or Lease Name Dinero	
Csg. Size 2-7/8"	Wt. 6.4#	d	Set At 1767'	Perforations: From 1618 To 1628		Well No. 1			
Thg. Size	Wt.	d	Set At	Perforations: From To		Unit Sec. Twp. Rge. H 13 30 14			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas						Packer Set At		County San Juan	
Producing Thru 2-7/8" csg		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps	
			.62 est						

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									264		7 days
1.											
2.											
3.	5/8" Pos. Choke								5	610	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		17	.9990	.9837	1.000	143
4							
5							

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

P _c 276	P _c ² 76176	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0038$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^{.85} = 1.0032$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1				
2				
3		17	289	75887
4				
5				

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 143$		Absolute Open Flow 143 Mcfd @ 15.025		Angle of Slope @ _____		Slope, n .85	
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Remarks: Light spray of wtr during test			
Approved By Commission:	Conducted By: Hall	Calculated By: Hall	Checked By: