

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 9-30-79	
Company Dugan Production Corp.					Connection	
Pool Basin Dakota			Formation Dakota		Unit	
Completion Date 9-22-79		Total Depth 6453'		Plug Back TD 6391'	Elevation 5696' RKB	Farm or Lease Name Mexico Fed L
Csg. Size 4-1/2"	Wt. 10.5#	d 1.610	Set At 6453'	Perforations: From 6248 To 6374		Well No. 1E
Tbg. Size 1-1/2"	Wt. 2.90#	d 1.610	Set At	Perforations: From Open End To		Unit Sec. Twp. Rge. C 10 30N 13W
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		State New Mexico
L	H	Gg .65 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	
1.							1582		1648		7 days
2.											
3.	3/4" Pos. Choke			118		58°			884		
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, Fpv	Rate of Flow Q, Mcfd
1.							
2.							
3.	12.365		130	1.002	.9605	1.013	1567
4.							
5.							

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

P _c 1660	P _c ² 2,755,600	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{1.4111}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^{n \cdot 75} = \underline{1.2947}$
NO.	P _t ²	P _w	P _w ²
1.			
2.			
3.			
4.			
5.			

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{2029}$

Absolute Open Flow 2029 Mcfd @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks:			
Approved By Commission:	Conducted By: Jacobs	Calculated By: Jacobs	Checked By: Sink