

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 6-27-79	
Company Dugan Production Corp.				Connection		
Pool Wildcat				Formation Fruitland Pictured Cliffs		Unit
Completion Date 5-31-79		Total Depth 1885'		Plug Back TD 1849'		Elevation 6162'
Farm or Lease Name Paul						
Csg. Size 2-7/8"	Wt. 6.4#	d	Set At 1879'	Perforations: From 1524 To 1790		Well No. 1
Tbg. Size 1-1/4"	Wt. 2.4#	d	Set At 1790'	Perforations: From Open To End		Unit G
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas				Packer Set At		County San Juan
Producing Thru Tbg		Reservoir Temp. °F 6		Mean Annual Temp. °F		State New Mexico
L	H	Gg .62	% 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							180		280		7 days
1.											
2.											
3.	5/8" Pos Choke						1	75°	62		3 hrs
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, F _{pv}	Rate of Flow Q, Mcfd
1							
2.							
3.	8.5417		13	.9859	.9837	1.000	108
4.							
5.							

NO.	P _t	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 292	P _c ² 85264	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0686$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0580$
NO.	P _t ²	P _w	P _w ²
1			
2			
3	74	5476	79788
4			
5			

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 114$

Absolute Open Flow	114	Mcf/d @ 15.025	Angle of Slope θ	Slope, n .85
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Remarks:

Approved By Commission:	Conducted By: HALL	Calculated By: HALL	Checked By:
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