

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 1-19-78	
Company Dugan Production Corp.				Connection		
Pool NIPP - Pictured Cliffs				Formation Pictured Cliffs		Unit
Completion Date 1-11-78		Total Depth 1243'		Plug Back TD 1191'		Elevation 6132' GR
Csg. Size 2-7/8"	Wt. 6.4#	d	Set At 1224'	Perforations: From 1119' To 1132'		Well No. 2
Tbg. Size 1-1/4"	Wt. 2.3#	d 1.380	Set At 1134'	Perforations: From Open End To		Unit Sec. Twp. Rge. M 27 26N 12W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				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	Gg .62 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
SI							221		221		7 days
1.											
2.											
3.	1/2" Pos. Choke			3		42°			9		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, Fpv	Rate of Flow Q, Mcfd
1							
2							
3	5.4315		15	1.0178	.9837	1.000	82
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	

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0082$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0070$
1						
2						
3		21	441	53,848		
4						
5						

Absolute Open Flow 83 Mcfd @ 15.025 Angle of Slope θ _____
 Slope, n .85

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 83$

Remarks: _____

Approved By Commission:	Conducted By: Charles Hall	Calculated By: Jim L. Jacobs	Checked By:
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