

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form 9-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 4-19-75	
Company Dugan Production Corp.		Connection	
Pool Undesignated		Formation Pictured Cliffs	
Completion Date 4-11-75		Total Depth 1230'	Plug Back TD 1200'
Csg. Size 2-7/8"		Wt. 6.5#	Set At 1224'
Tbg. Size 1-1/4"		Wt. 2.4#	Set At 1153'
Perforations: From 1143' To 1149'		Perforations: From Open ended To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas		Packer Set At None	
Producing Thru Tubing		Baro. Press. - P _a	
Reservoir Temp. °F @		Mean Annual Temp. °F	
L		H	Gg
0.61		% CO ₂	% N ₂
Prover		Meter Run	
Taps		County San Juan	
State New Mexico		Well No. 1	
Unit 0		Sec. 17	Twp. 26N
Rge. 12W			

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.	
SI							186		186	
1.										
2.										
3.	2"		5/8	12		50			41	
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	8.5417		24	1.0098	.9918	1.000	205
4							
5							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1.										
2.										
3.										
4.										
5.										

P _c 198	P _c ² 39204	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{39204}{36395}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.07718$
NO	P _t ²	P _w	P _w ²
1		53	2809
2			
3			
4			
5			

Absolute Open Flow 218 Mcfd @ 15.025		Angle of Slope θ	Slope, n .85
Remarks: Spray of water first 15 min - declined to very light spray water remainder of test - well stabilized in 30 min.			
Approved By Commission:	Conducted By: Thomas A. Dugan	Calculated By: Thomas A. Dugan	Checked By: