

NEW MEXICO OIL CONSERVATION COMMISSION
MULTI-POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122

Revised 12-1-55

Pool Undesignated Pictured Cliffs		Formation Pictured Cliffs		County San Juan	
Initial X		Annual		Date of Test 6/14/68	
Company Dugan Production Corp.		Lease Mayre		Well No. 1	
Unit P	Sec. 31	Twp. 30N	Range 14W	Purchaser	
Casing 5 1/2"	Wt. 1.7	I.D.	Set at 776'	Perf. Open hole 776'	To 795'
Tubing 1 1/4"	Wt. 2.4	I.D.	Set at 792'	Perf. Open ended	To
Gas Pay:	From 776'	To 795'	L	G	GL Bar. Press.
Producing Through:		Casing	Tubing X	Type Well - Single - Braden head - G.G. or G.O. Dual Single - Gas	
Date of Completion 5/26/68		Packer		Reservoir Temp.	

OBSERVED DATA

Tested Through:						Prover ☐		Choke ☒		Meter ☐		Type of Taps	
FLOW DATA						TUBING DATA		CASING DATA		DURATION OF FLOW HR.			
No.	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.				
SI						235		235					
1.													
2.													
3.		5/8"	43					106	60°				
4.													
5.													

FLOW CALCULATIONS

No.	Coefficient (24 Hour)	$\sqrt{h_w p_f}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCF PD @ 15.025 psia
1.							
2.							
3.	8.547		55	1.000	1.000	1.000	470
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl. Specific Gravity Separator Gas _____

Gravity of Liquid Hydrocarbons _____ deg. Specific Gravity Flowing Fluid _____

F_c _____ (1-e^{-S}) _____ P_c **247** P_c² **61.009**

No.	$\frac{P_w}{P_c}$ psia	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-S})	P _w ²	P _c ² - P _w ²	Cal P _w	$\frac{P_w}{P_c}$
1.									
2.									
3.	118					13,924	47,085		1.2957
4.									
5.									

ABSOLUTE POTENTIAL: **586** MCFPD; n **.85** **1.2462**COMPANY **Dugan Production Corp.** WITNESSED _____ADDRESS **Box 234, Farmington, N. M.** COMPANY _____AGENT AND TITLE **Engineer**

Test 1954 CAOF 582 w/242 SI csg.

