

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test	☒ Initial ☐ Annual ☐ Special	Test Date 2-23-81								
Company Dugan Production Corp.		Connection								
Pool WAW Fruitland P.C.		Formation P.C.								
Completion Date 2-5-81	Total Depth 1240.	Plug Back TD 1203								
Elevation 5942	Farm or Lease Name Dam Deal									
Csg. Size 2-7/8"	Well No. #1	Perforations: From 1104 To 1124								
Tbg. Size 1-1/4"	Sec. 0	Twp. 26N								
Rte. 12W										
Type Well - Single - Brdenhead - G.G. or G.O. Multiple single - gas		Packer Set At								
Producing Thru tbg.	Reservoir Temp. °F #	Mean Annual Temp. °F								
Baro. Press. - P _a	State NM									
L	H	Gg .62								
% CO ₂	% N ₂	% H ₂ S								
Prover	Meter Run	Tap								
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.	Days
SI							128		128	days
1.										
2.										
3.	3/8" pos. choke						5	72°		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 Fpr	Rate of Flow Q, Mc/d			
1										
2.										
3.	3.0829		17	.9887	.9837	1.000	51			
4.										
5.										
No.	P _i	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.					
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.					
2.					Specific Gravity Separator Gas _____ XXXXXXXXXX					
3.					Specific Gravity Flowing Fluid _____ XXXXX					
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.					
5.					Critical Temperature _____ R _____ R					
$P_c = 140 \quad P_r^2 = 19,600$					(1) $\frac{P_c^2}{P_i^2 - P_w^2} = 1.0329$					
No.	P _i	P _w	P _r	P _c	(2) $\left[\frac{P_c^2}{P_i^2 - P_w^2} \right]^n = 1.2079$					
1										
2										
3		25	625	18975	AOFP = Q $\left[\frac{P_c^2}{P_i^2 - P_w^2} \right]^n = 52$					
4										
5										
Absolute Open Flow _____ Mc/d @ 15.025					Angle of Slope _____			Slope, n _____ .85		
Remarks:										
Checked By:										