

OIL CONSERVATION DIVISION

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 6-30-80	
Company Dugan Production Corp.				Connection		
Pool WAW FR PC				Formation PC		Unit
Completion Date 6-5-80		Total Depth 1240'		Plug Back TD 1187'		Elevation 6004' GL
Csg. Size 2-7/8"		Wt. 6.5#		Set At 1230' GL		Perforations: From 1140 To 1152
Tub. Size 1-1/4"		Wt. 2.3#		Set At 1162' GL		Perforations: From Open To End
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single - gas					Packer Set At	
Producing Thru tbq		Reservoir Temp. °F P		Mean Annual Temp. °F		Baro. Press. - P _a
L		H		G _g .62		% CO ₂ % N ₂ % H ₂ S
Prover		Meter Run		Taps		
FLOW DATA				TUBING DATA		CASING DATA
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F
51						
1.						
2.						
3.	5/8" Pos Choke					
4.						
5.						
RATE OF FLOW CALCULATIONS						
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}
1						
2						
3	8.5417		13	.9981	.9837	1.000
4						
5						
NO.	P _r	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.	
5					Critical Temperature _____ P.S.I.A.	
P _c 182		P _c ² 33124		(1) $\frac{P_c^2}{P_r^2 - P_w^2} = 1.0208$		
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²	(2) $\left[\frac{P_c^2}{P_r^2 - P_w^2} \right]^n = 110$	
1						
2						
3		26	676	32448		
4						
5						
Absolute Open Flow _____ Mcfd @ 15.025				Angle of Slope θ _____		Slope, n _____
Remarks _____						
Approved By Division		Conducted By		Calculated By		Checked By

