

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

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 3-26-79	
Company Dugan Production Corp.				Connection		
Pool Harper Hill				Formation Fruitland PC.		Unit
Completion Date 3-14-79		Total Depth 1260'		Plug Back TD 1223'		Elevation 5515' GR
Csg. Size 2-7/8"		Wt. 6.5#		Set At 1257'		Perforations: From 1133 To 1150
Tbg. Size 1-1/4"		Wt. 2.3#		Set At 1140'		Perforations: From Open To End
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas				Packer Set At		Well No. 3
Producing Thru tbg		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a
L		H		Gg		Prover
		.62		% CO ₂		% N ₂
				% H ₂ S		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
SI						
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 Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv
1						
2						
3	8.5417		17	1.002	.9837	1.000
4						
5						
NO.	P _t	Temp. °R	T _t	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	
P _c 337		P _c ² 113569				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0253$	
1					(2) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0215$	
2						
3		53	2809	110760	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 146$	
4						
5						
Absolute Open Flow 146				Mcf/d @ 15.025		Angle of Slope θ
Remarks: Light mist blowing thru test						
Approved By Commission:		Conducted By: Hall		Calculated By: Hall		Checked By:

