

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 6-6-69							
Company Jerome P. McHugh				Connection							
Pool Ballard				Formation Pictured Cliffs							
Completion Date 5-26-69		Total Depth 2300		Plug Back TD 6495							
Csg. Size 4 1/2 Wt. 9.5		Set At 2294		Perforations: From 2164 To 2220							
Teg. Size 1 1/4 Wt. 2.4		Set At 2246		Perforations: From open ended To							
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas				Packer Set At							
Producing thru 46g		Reservoir Temp. °F		Mean Annual Temp. °F							
				Baro. Press. - P _a							
H		Gg 0.630		% CO ₂							
				% N ₂							
				% H ₂ S							
				Prover							
				Meter Run							
				Taps							
FLOW DATA											
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.	Temp. °F	Duration of Flow
1.							500		503		
2.											
3.	2"		3/4"	71		62			298		3 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, Fpv	Rate of Flow Q, Mcfd				
1.											
2.											
3.	12.365		83	.9981	.9759	1.000	992				
4.											
5.											
NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl. A.P.I. Gravity of Liquid Hydrocarbons _____ Deg. Specific Gravity Separator Gas _____ X X X X X X X X Specific Gravity Flowing Fluid _____ X X X X X Critical Pressure _____ P.S.I.A. _____ P.S.I.A. Critical Temperature _____ R _____ R						
1.											
2.											
3.											
4.											
5.											
P _c 515 P _c ² 265,225 NO. P _t ² P _w P _w ² P _c ² - P _w ²					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{1.5682}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1.465}$ AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1453}$						
1.											
2.											
3.		310	96,100	169,125							
4.											
5.											
Absolute Open Flow 1453 Mcfd @ 15.025					Angle of Slope		Slope, n 0.85				
Remarks: Very Dry											
Approved By Commission:				Conducted By: D. J. N.				Calculated By:			

