

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 11-13-79	
Company Jerome P. McHugh				Connection		
Pool South Gallegos Fruitland				Formation Fruitland		Unit
Completion Date 10-29-79		Total Depth 1345'		Plug Back TD 1307'		Elevation 5990'
Csg. Size 2-7/8"		Wt. 6.4#	d	Set At 1337'	Perforations: From 1098 To 1132	
Tbg. Size 1-1/4"		Wt. 2.4#	d	Set At 1101'	Perforations: From Oper: To End	
Type Well - Single - Bradenhead - 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
L		H	Gg .62	% CO ₂	% N ₂	% H ₂ S
				Prover	Meter Run	Taps
FLOW DATA					TUBING 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.						
Casing Data					Duration of Flow	
RATE OF FLOW CALCULATIONS						
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. / Factor, F _{pv}
1						
2						
3	5.4315		13	1.000	.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 _____ Deq.	
2					Specific Gravity Separator Gas _____	
3					Specific Gravity Flowing Fluid _____	
4					Critical Pressure _____ P.S.I.A.	
5					Critical Temperature _____ R	
$P_c = 229$ $P_c^2 = 52441$ $P_w^2 = 34$ $P_w^2 - P_c^2 = 1156$ $P_c^2 - P_w^2 = 51285$						
$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0225$ $(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0191$						
$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 70$						
Absolute Open Flow _____ 70 _____ Mcfd @ 15.025					Angle of Slope θ _____ Slope, n _____ 85	
Remarks: _____						
Approved By Commission:		Conducted By: Hall		Calculated By: Hall		Checked By: Jacobs