

OIL CONSERVATION DIVISION

P. O. BOX 2088

Form C-122
Revised 10-1-78STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 12-18-80	
Company Jerome P. McHugh				Connection		
Pool				Formation Pictured Cliffs		Unit
Completion Date 12-6-80		Total Depth 3260'		Plug Back TD		Elevation 7170' GL
Csg. Size 4 1/2"		Wt. 10.5#		Set At 3258'		Perforations: From 3146' To 3181'
Tbg. Size 1 1/4"		Wt. 2.4#		Set At 3141' GL		Perforations: From open To
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
County Rio Arriba		State New Mexico				
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover
Meter Run		Taps				

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.		Temp. °F
SI							955		955		7 days
1.											
2.											
3.	1/2" pos choke			221		57°			632		3 hrs
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}	Rate of Flow Q, Mcld
1							
2							
3	5.4315		233	1.003	.9837	1.021	
4							
5							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1										
2										
3										
4										
5										

NO.	P _t	P _w	P _c ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1						
2						
3		644	414,736	520,353		
4						
5						

Absolute Open Flow		2098	Mcld @ 15.025	Angle of Slope @	Slope, n	.85
Remarks:						
Approved By Division						
Conducted By:						
Calculated By:						
Checked By:						