

(Farmington)

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 12-16-78				
Company Jerome P. McHugh				Connection					
Pool Blanco				Formation Mesa Verde				Unit	
Completion Date 11-13-78		Total Depth 6175'		Plug Back TD 6115'		Elevation 6938'		Farm or Lease Name Chris	
Csg. Size 5-1/2	Wt. 15.5	d	Set At 6174	Perforations: From 5593 To 5994		Well No. #4			
Tbg. Size 1-1/4	Wt. 2.4	d	Set At 5946	Perforations: From Open To End		Unit B	Sec. 9	Twp. 27N	Rye. 3W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas					Packer Set At		County Rio Arriba		
Producing Thru tbg		Reservoir Temp. *F e		Mean Annual Temp. *F		Baro. Press. - P _a		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							1378		1692		
1.											
2.											
3.	3/4" Pos. Choke						21	560	1188		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	12.3650		33	1.0039	0.9608		394
4							
5							

NO.	P _t	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 _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 1704 P _c ² 2903616					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.9839$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.6716$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 659$			
1								
2		1200	1440000	1463616				
3								
4								
5								

Absolute Open Flow 659		Mcf/d @ 15.025		Angle of Slope θ		Slope, n .75	
Remarks:							
Approved By Commission:		Conducted By: Dugan <i>J.A. Dugan</i>		Calculated By: Dugan		Checked By:	