

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 11-28-84			
Company Southern Union Exploration Co				Connection					
Pool South Blanco				Formation Mesa Verde				Unit	
Completion Date 9-25-84		Total Depth 5560		Plug Back TD 5461		Elevation		Farm or Lease Name Jicarilla <i>K</i>	
Csq. Size 4.500	Wt. 10.5	d 4.052	Set At 5558	Perforations: From 5330 To 5390		Well No. 22 22A			
Tq. Size 2.063	Wt. 3.25	d 1.751	Set At 5400	Perforations: From To		Unit Sec. Twp. Rye. D 2 25 5			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single Gas						Packer Set At		County Rio Arriba	
Producing Thru Tbg		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	G _g	% CO ₂	% N ₂	% H ₂ S	Prover Choke		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							763		1068		7
1.			.750			56	66		298		3 hrs
2.											
3.											
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, Mcfd
1	12.3650		78	1.004	.9097	1.011	891
2.							
3.							
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 .725 Est 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	

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0908$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0674$
1		310	96100	1070300		
2						
3						
4						
5						

Absolute Open Flow 951 Mcfd @ 15.025 Angle of Slope @ DIST. 3 Slope, n .75

Remarks: Well blew a small amount of oil, then blew light to med mist of water. Well blowing light mist of water at end of test.

Approved By Division _____ Conducted By: / / _____ Calculated By: / / _____ Checked By: _____