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appropriate district office
See Rule 401 & Rule 1122

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-122
Revised October, 1999

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator TMBR/SHARP				Lease or Unit Name TMBR/SHARP 21 FED COM			
Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 7/6/01		Well No. 1	
Completion Date 7/16/01		Total Depth 13048		Plug Back TD 12865		Elevation	
Unit Ltr - Sec - TWP - Rge 12/18/32							
Case Size 5 1/2	WT 17	d 4.892	Set At 13048	Perforations From 12762 To 12782		County Lea	
Fig. Size 3 3/8	WT 6.5	d 2.441	Set At 12686	Perforations From To		Pool	
Type Well-Simple-Gradient-G.G. or G.O. Multiple single				Packer Set At 12686		Formation MORROW	
Producing Thru tbg		Reservoir Temp °F 182 @ 12772		Mean Annual Temp °F 60		Baro. Press. - P _a 13.2	
Connection CONOCO							
L ₁ 12686	H 12686	Q _g 0.672	%CO ₂ 0.384	%N ₂ 0.824	%H ₂ S	Prover	Meter Run 3.062
Taps fig							
FLOW DATA				TUBING DATA		CASING DATA	
No.	Prover Line Size	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F
51						3900	
1						3365	
2						3325	
3						3300	
4						3250	
5							
RATE OF FLOW CALCULATIONS							
No.	COEFFICIENT (24 Hour)		$\sqrt{L_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress Factor F _{sp}
1							
2							
3			Gas	measured	by total	flow	meter
4							
5							
No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio 118.5 Mcf/bbl		
1					A.P.I. Gravity of Liquid Hydrocarbons 51.2 @ 60 Deg		
2					Specific Gravity Separator Gas XXXXXXXX		
3		N/A			Specific Gravity Flowing Fluid XXXXXX GMIX=.698		
4					Critical Pressure P.S.I.A. 669 P.S.I.A.		
5					Critical Temperature R. 388 R		
P _i 3913.2		P ₂ 15313.1					
No.	P _i ²	P _w	P _w ²	P _c ² - P _w ²	(1) $P_c^2 = 3.294$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.294$		
1		3378.4	11413.4	3899.7			
2		3339	11149.2	4164			
3		3314.7	10986	4326.2			
4		3265.7	10664.9	4648.3			
5							
Absolute Open Flow 3581				Mcf/d @ 15.025		Angle of Slope (°) 45	
Slope n 1							
Remarks: WELL PRODUCE 1.00 BBL OF 51.2 API CONDENSATE							
Approved By Division		Conducted By SIGNAL WIRE LINE		Calculated By BM		Checked By BM	