

Submit in duplicate to
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 RICKS EXPLORATION				Lease or Unit Name STATE 17E			
Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 5/28/02		Well No. 7	
Completion Date 11/17/01		Total Depth 12750'		Plug Back TD 12701'		Elevation 4033 KB	
Csg. Size 4 1/2		Wt. 11.6		Set At 12750'		Perforations: From: 12551 To: 12627'	
Tbg. Size 2 3/8		Wt. 4.7		Set At 12380		Perforations: From: To:	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 12380		Formation MORROW	
Producing Thru Tubing		Reservoir Temp. °F 198		Mean Annual Temp. °F 60		Baro. Press. -P _a 13.2	
L 12418		H 12418		Gg 0.699		%CO ₂ 2.08	
				%N ₂ 0.88		%H ₂ S N/A	
				Prover N/A		Meter Run 3.068	
						Taps FLG	
FLOW DATA				TUBING DATA			
No.	Prover Line Size	Orifice x Size	Press p.s.i.g.	Diff. h _w	Temp. °F	Press p.s.i.g.	Temp. °F
SI						1850	N/A
1		3.068 X 1.250	30	41.3	68	80	
2							
3							
4							
5							
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}	Rate of Flow Q. Mcfd
1							325
2							
3	TOTAL	FLOW	METER				
4							
5							
No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio N/A Mcf bbl.		
1					A.P. I. Gravity of Liquid Hydrocarbons N/A Deg.		
2					Specific Gravity Separator Gas 0.699 XXXXXXXX		
3	TOTAL	FLOW	METER		Specific Gravity Flowing Fluid XXXXX		
4					Critical Pressure 677 P.S.I.A. P.S.I.A.		
5					Critical Temperature 369 R. R.		
P _c 1863.2 P _{c2} 3471.5							
No.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.003}{1.003}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1.003}{1.003}$		
1		101.8	10.4	3461.2			
2							
3							
4							
5							
Absolute Open Flow 326				Mcf @ 15.025		Angle of Slope (°): 45	
Remarks: * NO LIQUID MADE DURING TEST.							
Approved By Division: PAUL F. KAUTZ		Conducted By: PRO WELL TESTING		Calculated By: MERV BUECKER		Checked By: 11/15/01	

ORIGINAL SIGNED BY
PAUL F. KAUTZ
PETROLEUM ENGINEER
JUL 4 2002