

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

CISF

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

17

Operator MEWBOURNE OIL CO.				Lease or Unit Name ILLINOIS CAMP ST COM			
Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special				Test Date		Well No. 3	
Completion Date		Total Depth 10610		Plug Back TD 10565		Elevation 3607 GL	
Csg. Size 5 1/2		Wt. 17		d 4.892		Set At 10610	
Tbg. Size 2 7/8		Wt. 6.5		d 2.441		Set At 10141	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 10125		Formation MORROW	
Producing Thru Tubing		Reservoir Temp. °F 163		Mean Annual Temp. °F 60		Baro. Press. -P _a 13.2	
L 10141		H 10141		Gg 0.668		%CO ₂ 8.82	
				%N ₂ 1.166		%H ₂ S N/A	
				Prover N/A		Meter Run 2.067	
						Taps FLG	
FLOW DATA				TUBING DATA			
CASING 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						820	N/A
1	2.067 X .375		420	14	60	440	
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							829
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 0.668 XXXXXXXX		
3	TOTAL	FLOW	METER		Specific Gravity Flowing Fluid XXXXXX		
4					Critical Pressure 702 P.S.I.A. P.S.I.A.		
5					Critical Temperature 356 R. R.		
P _c	833.2	P _{c2}	694.2				
No.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.446$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.446$		
1		462	214	480.1	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1199$		
2							
3							
4							
5							
Absolute Open Flow 1199				Mcf @ 15.025		Angle of Slope (°): 45	
						Slope n: 1	
Remarks: * NO LIQUID MADE DURING TEST.							
Approved By Division:		Conducted By: PRO WELL TESTING		Calculated By: MERV BUECKER		Checked By: BM	