

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 1/20/78	
Company Amoco Production Company				Connection El Paso Natural Gas Company			
Pool Blanco				Formation Mesaverde		Unit	
Completion Date 1-13-78		Total Depth 5182		Plug Back TD		Elevation 5817	
Farm or Lease Name Usselman Gas Com		Well No. 1A		Perforations: From 4160 To 5015		Csg. Size 7.000	
Csg. Size 7.000		Wt. 23		Set At 3058		Perforations: From Open To Ended	
Tbg. Size 2.375		Wt. 4.7		Set At 5008		Unit Sec. Twp. Rye. E 4 31 10	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a New Mexico	
L		H		G _g		Prover	
				.65			
FLOW DATA				TUBING DATA		CASING DATA	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Duration of Flow
SI	7 days						
1.	2.375	0.750					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 Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		142	1.000	.9608	1.013	1709
2.							
3.							
4.							
5.							
NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl. A.P.I. Gravity of Liquid Hydrocarbons _____ Deg. Specific Gravity Separator Gas _____ X X X X X X X X Specific Gravity Flowing Fluid _____ X X X X X Critical Pressure _____ P.S.I.A. _____ P.S.I.A. Critical Temperature _____ R _____ R		
1							
2.							
3.							
4.							
5.							
P _c 764 P _c ² 583696					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \mathbf{2.1792}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \mathbf{1.7936}$		
NO	P _t ²	P _w	P _w ²	P _c ² - P _w ²			
1		562	315814	267852			
2							
3							
4							
5							
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \mathbf{3065}$							
Absolute Open Flow 3065 Mcfd @ 15.025					Angle of Slope Θ		Slope, n .75
Remarks: 4.5" 10.5# Liner set @ 2872' - 5182'							
Approved By Commission:		Conducted By: T. M. Oliver		Calculated By: TMO/WRB		Checked By: J. L. Krupka	

