

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 5-2-85	
Company Amoco Production Co.				Connection El Paso Natural Gas Co.	
Pool Basin				Formation Dakota	
Completion Date 4-25-85		Total Depth 7151'		Plug Back TD 7112'	
				Elevation 5881 GR	
Farm or Lease Name EE Elliott "B"				Well No. 7E	
Csg. Size 4.500		Wt. 11.6		Set At 4.000	
Perforation From 6932		To 7118		Well No. 7E	
Tub. Size 2.375		Wt. 4.7		Set At 1.995	
Perforation From Open		To ended		Unit C	
				Sec. 27	
				Twp. 30	
				Rye. 9	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None	
Producing Thru Tubing				County San Juan	
Reservoir Temp. °F #				State New Mexico	
L		H		Cg	
% CO ₂		% N ₂		% H ₂ S	
Prover		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
1	7 Days						1121		1845		
2	2.375	.750					164		580		3 hrs
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	12.365		176	1.000	.9258	1.019	2053
2							
3							
4							
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2					Specific Gravity Separator Gas _____ 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

P _c 1857	P _c ² 3448449	(1) $\frac{P_c^2}{P_r^2 - P_w^2} = 1.1131$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0837$
NO.	P _r ²	P _w	P _w ²
1		592	350464
2			3097985
3			
4			
5			

Absolute Open Flow 2225		Mcf @ 15.025	Angle of Slope θ _____	Slope, n .75
Remarks: Flared, lite spray H ₂ O				

Approved By Division	Conducted By Joe Elledge	Calculated By JJ Barnett	Checked By
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