

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 6-1-85		Flac	
Company Amoco Production Co.				Connection El Paso Natural Gas Company		846395-01-0	
Pool Basin				Formation Dakota		Unit	
Completion Date 5-23-85		Total Depth 7119		Plug Back TD 7077		Elevation 5835 GR	
Csg. Size 4.5000		Wt. 11.6		Set At 7115		Perforations: From 6882 To 7018	
Tbg. Size 2.375		Wt. 4.7		Set At 7023		Perforations: From open To ended	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single				Packer Set At None		Farm or Lease Name E.E. Elliott "B"	
Producing Thru tubing		Reservoir Temp. °F β		Mean Annual Temp. °F		Baro. Press. - P _a	
L		H		Gg		County San Juan	
				% CO ₂		State New Mexico	
				% N ₂		Meter Run	
				% H ₂ S		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	
SI	7 days						1360		1470		3 hrs.
1.	2.375	.750					262		523		
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.365		274	1.000	.9258	1.030	3231
2.							
3.							
4.							
5.							

					JUN 21 1966				Mcft/bbl.	
NO.	R	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio					
1.					A.P.I. Gravity of Liquid Hydrocarbon					Deq.
2.					Specific Gravity Separator Gas	OIL CON. DIV.		XXXXXXX		
3.					Specific Gravity Flowing Fluid	DIST. 3		XXXXX		
4.					Critical Pressure			P.S.I.A.		P.S.I.A.
5.					Critical Temperature			R		R

P_c	1482	P_c^2	2196324			
NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1498$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1104$
1		535	286225	1910099		
2						
3					$\Delta OI = Q$	$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3588$
4						
5						

Absolute Open Flow _____ Mcfd @ 15.025		Angle of Slope θ _____		Slope, n ± 75	
Remarks: flared, lite condensate, lite H2O					
Approved By Division		Conducted By: Bryan Services		Checked By: J. J. Barnett	