

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1965

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 01-07-80	
Company Amoco Production Company				Connection El Paso Natural Gas Company			
Pool Easin				Formation Dakota		Unit	
Completion Date 12-26-79		Total Depth 6500		Plug Back TD 6340		Elevation 5867 GL	
Csg. Size 4.500		Wt. 11.6		d 4.000		Set At 6500	
Thq. Size 2.375		Wt. 4.7		d 1.995		Set At 6173	
Perforations: From 6147 To 6244				Perforations: From open To ended			
Well No. BQ No. 1				Unit Sec. Twp. Rge. I 32 29 13			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE						Packer Set At NONE	
Producing Thru TUBING				Reservoir Temp. °F 8		Mean Annual Temp. °F	
Baro. Press. - P _a				County San Juan			
State New Mexico							
L	H	Gg	% 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.	
1.	9 days						1795		1795	
2.	2.375	.750					265		588	
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		277	1.000	.9258	1.033	3276
2.							
3.							
4.							
5.							

NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure P.S.I.A.	Critical Temperature °R
1.										
2.										
3.										
4.										
5.										

NO.	P _c	P _w	P _c ²	P _w ²	P _c ² - P _w ²
1.	1807	600	3265249	360000	2905249
2.					
3.					
4.					
5.					

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1239$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0916$

AOG = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3576$

3576

Absolute Open Flow	Mcf @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks:

Approved By Commission	Conducted By JJB	Calculated By J. J. BARNETT	Checked By B. E. FACKRELL
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