

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special		Test Date 4-1-86	
Company Amoco Production Co.		Connection El Paso Natural Gas Company	
Pool Blanco		Formation Mesaverde	
Completion Date 3-5-86	Total Depth 4430	Plug Back TD 4396	Elevation 5507 GR
Form or Lease Name Baca Gas Com "A"		Well No.	
Csg. Size 7.000	Wt. 23	d 6.366	Set At 4430
Perforations: From 4136 To 4374		Well No. 1A	
Tubg. Size 2.375	Wt. 4.7	d 1.995	Set At 4374
Perforations: From Open To ended		Unit Sec. Twp. Rye. F 26 29 10	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Dual		Packer Set At 3008	County San Juan
Producing Thru Tubing	Reservoir Temp. °F #	Mean Annual Temp. °F	Baro. Press. - P _a New Mexico
L	H	G _g	% 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
SI	14 Days			3 ₉			1066		x		
1.	2.375		.750	6			274		x		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		28.6	1.000	.9258	1.029	3369
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Me/ bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons <td>Deq. </td>	Deq.
2.					Specific Gravity Separator Gas <td>XXXXXXXXXX</td>	XXXXXXXXXX
3.					Specific Gravity Flowing Fluid <td>OIL XXXXX</td>	OIL XXXXX
4.					Critical Pressure <td>P.S.I.A.</td>	P.S.I.A.
5.					Critical Temperature <td>R</td>	R

NO.	P _c	P _c ²	P _w	P _w ²	P _c ² - P _w ²
1	1078	1162084	519	269363	892723
2.					
3.					
4.					
5.					

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3017$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4106$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2187$

Absolute Open Flow	4106	Mcfd @ 15.025	Angle of Slope @	Slope, n	.75
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Remarks: Not flared, Med. H₂O

Approved By Division	Conducted By:	Calculated By:	Checked By:
		T. T. Barnett	T. T. Barnett

RECEIVED
 DEC 18 1986