

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 1-18-84		RECEIVED FEB 06 1984 OIL CON. DIV. DIST. 3			
Company Amoco Production Company				Connection Not dedicated					
Pool Basin				Formation Dakota					
Completion Date 12-12-83		Total Depth 8185		Plug Back TD 8172		Elevation 7075 GL		Farm or Lease Name Jicarilla Apache Tribal 151	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 8185	Perforations: From 7954 To 8156		Well No. 4E			
Thg. Size 2.375	Wt. 4.7	d 1.995	Set At 8106	Perforations: From open To ended		Unit L 3 26 5			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At None		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a		State 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						1950		2530		
1.							180		720		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		192	1.000	.9258	1.022	2246
2.							
3.							
4.							
5.							

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

NO.	P _c	P _w	P _c ²	P _w ²	P _c ² - P _w ²
1	2542	732	6461764	518400	5943364
2					
3					
4					
5					

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0872$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2391$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0647$$

Absolute Open Flow	2391	Mcfd @ 15.025	Angle of Slope θ	Slope, n	.75
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Remarks: Med water spray. Did not flare

Approved By Division	Conducted By: J. J. Barnett	Calculated By: J. J. Barnett	Checked By: K
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