

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

Form C-172
Revised 9-1965

Type Test ☒ Initial ☐ Annual ☒ Special						Test Date 6-1-83			
Company Amoco Production Company				Connection Not Dedicated					
Pool Basin				Formation Dakota				Unit	
Completion Date 5-8-83		Total Depth 6680		Plug Back TD 6638		Elevation 5879 GL		Farm or Lease Name Bell Federal Gas Com B	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6680	Perforations: From 6466 To 6550		Well No. 1E			
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 6513	Perforations: From open To ended		Unit Sec. Twp. Rye F 11 30 13			
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single						Packer Set At None		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	G _q	% 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	55 Days						1210		1665		
1.	2.375		.750				205		758		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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		217	1.000	.9258	1.026	2549
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	ci/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	Deq.
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. 3
5.					Critical Temperature	R

NO.	P _t	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2671$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1943$
1	1677	770	592900	2219429		
2						
3						
4						
5						

Absolute Open Flow 3044 Mcfd @ 15.025		Angle of Slope @		Slope, n .75
Remarks: Drilled & Completed by True Drilling Company Flowed x heavy water				
Approved by Commission:	Conducted By: J. J. Barnett	Calculated By: J. J. Barnett	Checked By:	