

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

RECEIVED

Type Test ☒ Initial ☐ Annual ☒ Special						Test Date 12-1-83		JAN 11 1984 OIL CON. DIV. DIST. 3	
Company Amoco Production Company				Connection El Paso Natural Gas Company					
Pool Basin				Formation Dakota				Unit	
Completion Date 11-08-83		Total Depth 6997		Plug Back TD 6952		Elevation 6550 GL		Farm or Lease Name Jack Frost Gas Com "E"	
Csq. Size 4.500	Wt. 10.5	d 4.052	Set At 6997	Perforations: From 6762 To 6936		Well No. 1E			
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 6927	Perforations: From Open To Ended		Unit Sec. Twp. Rge. M 25 27 10			
Type Well - Single - Brdenhead - G.G. or G.O. Multiple Single						Packer Set At None		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F p		Mean Annual Temp. °F		Baro. Press. - P _a		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.	
SI	17 days						1330		1735	
1.	2.375	.750					178		553	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		190	1.000	.9258	1.021	2221
2.							
3.							
4.							
5.							

NO.	R _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.	Specific Gravity Separator Gas _____	Specific Gravity Flowing Fluid _____	Critical Pressure _____ P.S.I.A.	Critical Temperature _____ R
1.							XXXXXX			
2.										
3.										
4.										
5.										

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1		565	319225	2732784	1.1168	1.0864
2						
3						
4						
5						

Absolute Open Flow _____ 2413 _____ Mcfd @ 15.025				Angle of Slope θ _____		Slope, n .75	
Remarks: _____ Drilled and completed by True Drilling Company							
_____ Flowed heavy oil lite H2O.							
Approved By Division		Conducted By: J.J. Barnett		Calculated By: J.J. Barnett		Checked By: [Signature]	