

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

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☒ Special						Test Date 11-06-80			
Company Amoco Production Company						Connection El Paso Natural Gas Company			
Pool Basin						Formation Dakota			
Completion Date 6-1-80			Total Depth 6295		Plug Back TD 6286		Elevation 5564		Farm or Lease Name Johnson Gas Com "C"
Csg. Size 4.500	Wt. 10.5	d 4052	Set At 6276	Perforations: From 6037 To 6258			Well No. 1E		
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 6263	Perforations: From open To ended			Unit L	Sec. 7	Twp. 29N
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At None		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F a		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	7 days						1188	1390			3 hrs
1.	2.375		.750				54	426			
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		66	1.000	.9258	1.007	761
2.							
3.							
4.							
5.							

NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
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. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 1402 P _c ² 1965604				(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{1.1049}$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1.0777}$	
NO.	P _w	P _w ²	P _w ² - P _c ²				
1	432	186624	1778980				
2							
3							
4							
5							

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{820}$

Absolute Open Flow 820	Mcf @ 15.025	Angle of Slope ϕ _____	Slope, n .75
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Remarks: _____

Approved By Commission	Conducted By J. J. Barnett	Calculated By J. J. Barnett	Checked By W. L. Peterson
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