

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

Form C-122
 Revised 9-12-65

RECEIVED
 AUG 29 1983

Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 8-3-83			
Company Amoco Production Company				Connection El Paso Natural Gas Company			
Pool Basin				Formation Dakota			
Completion Date 7-13-83		Total Depth 6823		Plug Back TD 6779		Elevation 5727	
Farm or Lease Name Bruington Gas Com "C"				Well No. 1E			
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6823	Perforations: From 6544 To 6756		Unit Sec. Twp. Rge. 21 30 11	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 6698	Perforations: From open To ended		County San Juan	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		State New Mexico	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a	
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.	
SI	21 Days						1821		1821	
1.	2.375	.750					90		485	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		102	1.000	.9258	1.010	1179
2.							
3.							
4.							
5.							

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

P _c 1833	P _c ² 3359889	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0794$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0589$
NO.	P _t	P _w	P _c ² - P _w ²
1		497	247009
2			
3			
4			
5			

Absolute Open Flow 1248 Mcfd @ 15.025		Angle of Slope 8	Slope, n .75
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Remarks: Drilled & Completed by True Drilling Company.

Approved By Commission	Conducted By R. U. Montoya	Calculated By R. U. Montoya	Checked By
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