

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 3-26-82			
Company Amoco Production Company				Connection El Paso Natural Gas Company					
Pool Basin				Formation Dakota				Unit D.M.	
Completion Date 3-14-82		Total Depth 6423		Plug Back TD 6400		Elevation 5832 GL		Farm or Lease Name Gallegos Canyon Unit	
Csg. Size 4.500	Wt. 10.50	d 4.052	Set At 6423	Perforations: From 6212 To 6365				Well No. 163E	
Tub. Size 2.375	Wt. 4.7	d 1.995	Set At 6349	Perforations: From open To ended				Unit Sec. Twp. Rge. M 26 29N 13W	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single						Packer Set At None		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _g		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.	
SI	8 Days						1730		1740	
1.	2.375		.750				200		1258	
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		212	1.000	.9258	1.025	2488
2.							
3.							
4.							
5.							

NO.	P _r	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 _____ 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 1752	P _c ² 3069504			
NO.	P _r	P _w	P _w ²	P _c ² - P _w ²
1		1270	1612900	1456604
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.1073$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4352$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.7490$

Absolute Open Flow	4352	Mcf @ 15.025	Angle of Slope @ _____	Slope, n .75
Remarks:				

Approved By Commission	Conducted By: J. J. Barnett	Calculated By: J. J. Barnett	Checked By:
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