

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

Form C-122
Revised 9-1-65

RECEIVED

Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 12/26/84		JAN 28 1985			
Company Amoco Production Company				Connection El Paso Natural Gas				OIL CON. DIST. 3	
Pool Basin				Formation Dakota				Unit	
Completion Date 12/13/84		Total Depth 6177		Plug Back TD 6120		Elevation 5685 GR		Farm or Lease Name Gallegos Canyon Unit	
Csg. Size 7.000	Wt. 23	d 6.366	Set At 6177	Perforations: From 5962 To 6090		Well No. 231 E			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 6095	Perforations: From open To ended		Unit E	Sec. 27	Twp. 28	Rge. 12
Type Well - Single - Bradenhead - G.G. 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 _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.	
1.	9 days						1134		1120	
2.	2.375	.750					164		430	3 hrs.
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		176	1.000	.9258	1019	2053
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 1146 P _c ² 1313316	
NO.	P _r ²
1	442
2	195364
3	1117952
4	
5	

(1) $\frac{P_c^2}{P_r^2 - P_w^2} = 1.1748$		(2) $\left[\frac{P_c^2}{P_r^2 - P_w^2} \right]^n = 1.1284$	
AOF = Q $\left[\frac{P_c^2}{P_r^2 - P_w^2} \right]^n = 2317$			

Absolute Open Flow	2317	Mcf/d @ 15.025	Angle of Slope Θ	Slope, n .75
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Remarks: flared x heavy oil, lite H₂O

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