

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 2-5-82	
Company Amoco Production Company				Connection El Paso Natural Gas Company		
Pool Gonzales				Formation Mesaverde		Unit
Completion Date 12-29-81		Total Depth 5379		Plug Back TD 5336		Elevation 6615 GL
Farm or Lease Name Jicarilla Contract 146		Well No. 36				
Csg. Size 5.500	Wt. 15.5	d 4.950	Set At 5379	Perforations: From 5096 To 5280		Unit 36
Tbg. Size 2.063	Wt. 3.25	d 1.751	Set At 5266	Perforations: From open To ended		Unit A 4 25N 5W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual				Packer Set At 4050'		County Rio Arriba
Producing Thru Tubing		Reservoir Temp. °F θ		Mean Annual Temp. °F		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.		Temp. °F
SI	14 Days						762		X		
1.	2.375		.750				135		X		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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcf/d
1	12.365		147	1.000	.9608	1.014	1771
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Ucf/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.
5.					Critical Temperature	R

NO.	P _t	P _w	P _w ²	P _c ² - P _w ²
1		384	147456	451620
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3265$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2189$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2360$

Absolute Open Flow	2189	Mcf/d @ 15.025	Angle of Slope θ	Slope, n	.75
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Remarks:

Approved By Commission	Conducted By J. J. Barnett	Calculated By J. J. Barnett	Checked By <i>P</i>
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