

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 7-19-78	
Company Amoco Production Company				Connection		
Pool East Blanco				Formation Pictured Cliffs		Unit
Completion Date 7-5-78		Total Depth 6748		Plug Back TD 6704		Elevation 7491
Farm or Lease Name San Juan 29-4						Well No. 21
Csg. Size 7.000	Wt. 20	d 6.456	Set At 4729	Perforations: From 4362 To 4438		Unit 21
Thq. Size 1.660	Wt. 2.4	d 1.410	Set At 4443	Perforations: From Open To Ended		Unit Sec. Twp. Rge. K 5 29 4
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual				Packer Set At 4526		County Rio Arriba
Producing Thru Tubing		Reservoir Temp. °F 8		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.	
Sl	14 days						973		1057	
1.	2.375	0.750					99	60	633	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, Mcfd
1	12.365		111	1.0	0.9608	1.010	1332
2.							
3.							
4.							
5.							

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

P _c 1069	P _c ² 1142761	
NO	P _w	P _w ²
1	645	416025
2		
3		
4		
5		

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.5725}{1.5725 - 0.416025} = 1.5725$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1.4692}{1.5725 - 0.416025} = 1.4692$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1957$$

Absolute Open Flow	1957	Mcf/d @ 15.025	Angle of Slope @	Slope, n .85
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Remarks:

Approved by Commission	Conducted by TMO/TLL	Calculated by T. M. Oliver	Checked by J. L. Krupka
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