

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 2-9-83		OIL CON. DIV. DIST. 3	
Company Amoco Production Company				Connection Not dedicated			
Pool Otero				Formation Chacra		Unit	
Completion Date 1-3-83		Total Depth 5571		Plug Back TD 5525		Elevation 6693 GL	
Farm or Lease Name Jicarilla Contract 159							
Csq. Size 5.500	Wt. 23	d 4.670	Set At 5571	Perforations: From 3962 To 4071		Well No. 30	
Thq. Size 1.660	Wt. 2.33	d 1.380	Set At 4073	Perforations: From Orange Pee To Perf.		Unit Sec. Twp. Rge. D 30 26 5	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual				Packer Set At 4130		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. *F #		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.	
SI	7 Days						644		864	
1.	2.375		.750				78		454	
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		90	1.000	.9258	1.008	1039
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 876	P _c ² 767376		
NO.	P _w	P _w ²	P _c ² - P _w ²
1	466	217156	550220
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{767376}{767376 - 217156} = 1.3947$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \left[1.3947 \right]^{.75} = 1.2834$$

$$AOIF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1333$$

Absolute Open Flow	1333	Mcf @ 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:
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