

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 1/2/79			
Company Amoco Production Company				Connection					
Pool Wildcat				Formation Pictured Cliffs				Unit	
Completion Date 12/22/78		Total Depth 4490		Plug Back TD 4441		Elevation 6846 KB		Farm or Lease Name San Juan 29-4	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 4486	Perforations: From 4076 To 4379		Well No. 23			
Thg. Size 2.375	Wt. 4.7	d 1.995	Set At 4397	Perforations: From Open To Ended		Unit J	Sec. 15	Twp. 29N	Rge. 4W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At None		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a		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	11 Days						430		1125		
1.	2.375	.750					40	60	307		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		52	1.0	.9608	1.000	618
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	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 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 1137 P _c ² 1292769				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		319	101761	1191008
2.				
3.				
4.				
5.				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0854$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 663$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0722$

Absolute Open Flow	663	Mcf @ 15.025	Angle of Slope ϕ	85
Remarks:				

Approved By Commission:	Conducted By: R. A. Conner	Calculated By: R. A. Conner	Checked By: J. L. Krupka
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