

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 11-12-73				
Company AMOCO PRODUCTION COMPANY				Connection None					
Pool Undesignated				Formation Pictured Cliffs				Unit	
Completion Date 11-12-73		Total Depth 3020'		Plug Back TD 2940'		Elevation 6091' KB		Farm or Lease Name Martinez Gas Com "H"	
Csg. Size 4.50	Wt. 9.5	d 4.090	Set At 2978'	Perforations: From 2882' To 2930'			Well No. 1		
Tbg. Size 1.66"	Wt. 2.33	d 1.380	Set At 2893'	Perforations: From Open To Ended			Unit N	Sec. 32	
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 60° est.		Baro. Press. - P _a 12 psia est.		State New Mexico	
L	H	Gg .60	% 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	Choke Size XXXXX	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI							1006		1008	
1.	2"		.750				19		341	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	12.3650		31	1.000	.9608	1.010	372
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	Deg.
2.					Specific Gravity Separator Gas	XXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P _c 1020	P _c ² 1,040,400	
NO.	P _t ²	P _w ²
1	353	124609
2		
3		
4		
5		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{1.1361}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{415}$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1.1147}$

Absolute Open Flow 415 Mcfd @ 15.025	Angle of Slope ϕ	Slope, n .85
Remarks:		

Approved By Commission: NOV 29 1973	Conducted By: T. M. Oliver	Calculated By: G. O. Munson	Checked By: J. W. Calvin
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