

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 7-1-75	
Company AMOCO PRODUCTION COMPANY				Connection None		
Pool Blanco				Formation Pictured Cliffs		Unit M
Completion Date 6-23-75		Total Depth 3100'		Plug Back TD 3040'		Elevation 6181'
Farm or Lease Name Van Hook Federal						Well No. 1
Csg. Size 4.50	Wt. 10.5	d 4.052	Set At 3086	Perforations: From 2950 To 2976		Unit Sec. Twp. Rge. M 27 32 11
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 2992	Perforations: From Open Ended To 		County San Juan
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		State New Mexico
Producing Thru Tubing		Reservoir Temp. °F 60°		Mean Annual Temp. °F 60°		Baro. Press. - P _a 12
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	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	8 Days						777		780	
1.	2-Inch		.750				109		179	
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		121	1.000	.9608	1.011	1453
2.							
3.							
4.							
5.							

NO.	P _t	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 X X X
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P_c = **792** P_c² = **627,264**

NO.	P _w	P _w ²	P _c ² - P _w ²
1	191	36,481	590,783
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.06175}{1.0522}$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1.06175}{1.0522}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1529}{1.0522}$

Absolute Open Flow 1529 Mcfd @ 15.025	Angle of Slope θ	Slope, n .85
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Remarks:

Approved By: Commission	Conducted By: T. M. Oliver	Calculated By: W. R. Cordill	Checked By: P. C. Ellison
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