

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 3-11-73	
Company AMOCO PRODUCTION COMPANY				Connection None		
Pool Undesignated				Formation Fruitland		Unit
Completion Date 3-4-73		Total Depth		Plug Back TD 2130'		Elevation J. C. Davidson
Coq. Size 5.5	Wt. 14	d	Set At 2150'	Perforations: From 2100' To 2116'		Well No. 1
Tbg. Size 1.66	Wt. 2.30	d 1.36	Set At 2218'	Perforations: From Open To Ended		Unit Sec. Twp. Rge. D 28 28 10
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At --		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.	Line Size XXXX X XXXXXX Size Choke	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
1.	7 Days				524		524	
1.	2-Inch .750				119		345	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		131	1.000	.9608	1.010	1572
2							
3							
4							
5							

NO.	P _t	P _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 536	P _c ² 287,296	
NO.	P _t ²	P _w ²
1		159,847
2		
3		
4		
5		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.7973$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2588$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.6460$

Absolute Open Flow 2588	Mcf/d @ 15.025	Angle of Slope θ _____	Slope, n .85
Remarks: _____			

Approved By Commission:	Conducted By: T. M. Oliver	Calculated By: J.W. Calvin/J.A. Pope	Checked By: J. Arnold Snell
-------------------------	--------------------------------------	--	---------------------------------------