

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 6/14/84		JUN 29 1984	
Company Amoco Production Company				Connection Not Dedicated		OIL CON. DIV.	
Pool Blanco				Formation Mesa Verde		Unit DIST. 2	
Completion Date 5/18/84		Total Depth 4673		Plug Back TD 4450		Elevation 5597 GR	
Farm or Lease Name Moss Federal Gas Com 'A'				Well No. 1			
Coq. Size 4.500	Wt. 10.5	d 4.052	Set At 467.3	Perforations: From 4241 To 4491			
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 4510	Perforations: From Open To Ended		Unit Sec. Twp. Rye. J 23 29 10	
Type Well - Single - Dradenhead - G.C. or G.O. Multiple Single				Packer Set At None		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _a	
State New Mexico							
L	H	Cq	% 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	44 days						988		988	
1.	2.375		.750				106		346	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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mc/d
1	12.365		118	1.000	.9258	1.013	1368
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mc/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

NO.	P _r ²	P _w ²	P _w ²	P _r ² - P _w ²
1	1000	358	128164	871836
2				
3				
4				
5				

(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 1.1470$

AOF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1516$

(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.1083$

Absolute Open Flow	1516	Mc/d @ 15.025	Angle of Slope @	Slope, n .75
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Remarks: Flared: Lite H₂O
Drilled by true.

Approved By Division	Conducted By J. J. Barnett	Calculated By J. J. Barnett	Checked By JJB
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