

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 07 30 80	
Company AMOCO PRODUCTION CO.				Connection SOUTHERN UNION GATHERING C			
Pool BASIN				Formation DAKOTA		Unit	
Completion Date 07 16 80		Total Depth 6807		Plug Back TD 6763		Elevation 6120 GL	
Farm or Lease Name DAVIDSON GAS COM G							
Csg. Size 4.500	Wt. 11.6	d 4.000	Set At 6807	Perforations: From 6551 To 6702		Well No. 1E	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 6708	Perforations: From open To ended		Unit Sec. Twp. Rge. D 21 28N 10W	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple SINGLE				Packer Set At NONE		County SAN JUAN	
Producing Thru TUBING		Reservoir Temp. °F 8		Mean Annual Temp. °F		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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI	7 days						992		1005		3 hrs
1.	2.375	.750					62		445		
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		74	1.000	.9258	1.008	854
2.							
3.							
4.							
5.							

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

NO.	P _r	P _w	P _w ²	P _r ² - P _w ²
1		467	218089	816200
2				
3				
4				
5				

(1) $\frac{P_r^2}{P_r^2 - P_w^2} = \underline{1.2672}$

AOI = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = \underline{1020}$

(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = \underline{1.1944}$

Absolute Open Flow	1020	Mcf/d @ 15.025	Angle of Slope ϕ	Slope, n .75
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Remarks:

Approved By Commission	Conducted By JJB	Calculated By J J BARNETT	Checked By R A DOWNEY
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