

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-75

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 08 26 80	
Company AMOCO PRODUCTION CO.				Connection EL PASO NATURAL GAS CO.			
Pool BASIN				Formation DAKOTA		Unit	
Completion Date 06 06 80		Total Depth 6200		Plug Back TD 6110		Elevation 5388 GL	
Farm or Lease Name HUTTON GAS COM				Well No. 1E			
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6200	Perforations: From 5906 To 6088		Unit Sec. Twp. Rge. F 6 29N 12W	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 6092	From open To ended		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 8		Mean Annual Temp. °F		Baro. Press. - P _a	
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. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI	9 days						1348		1436		3 hrs
1.	2.375	.750					224		810		
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		236	1.000	.9258	1.027	2775
2.							
3.							
4.							
5.							

NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Mcft/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.
5.					Critical Temperature	°R

P _c 1448	P _c ² 2096704	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{\underline{1.4755}}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{\underline{1.3388}}$
NO.	P _w	P _w ²	P _c ² - P _w ²
1	822	675684	1421020
2			
3			
4			
5			

$AOIF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{\underline{3715}}$

$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{\underline{1.3388}}$

Absolute Open Flow 3715	Mcf/d @ 15.025	Angle of Slope θ	Slope, n .75
--------------------------------	----------------	-------------------------	---------------------

Remarks:

Approved By Commission	Conducted By JJB	Calculated By J J BARNETT	Checked By W L PETERSON
------------------------	----------------------------	-------------------------------------	-----------------------------------