

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 12-4-81			
Company Amoco Production Company				Connection El Paso Natural Gas Company				
Pool Undes				Formation Fruitland		Unit		
Completion Date 11-14-81		Total Depth 1942		Plug Back TD 1793		Elevation 5704 GL		
Farm or Lease Name Pan Am Federal "C"		Well No. 3						
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 1942	Perforations: From 1597 To 1607				
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 1618	Perforations: From open To ended				
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County San Juan		
Producing Thru Tubing		Reservoir Temp. °F a		Mean Annual Temp. °F		Baro. Press. - P _a 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. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI	16 Days						430		444	
1.	2.375	.750					45		147	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		57	1.000	.9608	1.005	681
2.							
3.							
4.							
5.							

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

P_c 456 P_c² 207936

NO.	P _f ²	P _w	P _w ²	P _c ² - P _w ²
1		159	24336	183600
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1325$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1116$

AOI = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 757$

Absolute Open Flow	757	Mcf @ 15.025	Angle of Slope θ	Slope, n .85
--------------------	-----	--------------	-------------------------	--------------

Remarks:

Approved By Commission	Conducted By: J. J. Barnett	Calculated By: J. J. Barnett	Checked By:
------------------------	--------------------------------	---------------------------------	-----------------

