

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special						Test Date 7-7-82	
Company Amoco Production Company				Connection El Paso Natural Gas Company			
Pool Basin				Formation Dakota		Unit	
Completion Date 3-20-82		Total Depth 6436		Plug Back TD 6420		Elevation 5853 GL	
Farm or Lease Name Gallegos Canyon Unit							
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6436	Perforations: From 6236 To 6380		Well No. 164E	
Thg. Size 2.375	Wt. 4.7	d 1.995	Set At 6385	Perforations: From open To ended		Unit Sec. Twp. Rge. C 35 29N 13W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F p		Mean Annual Temp. °F		Baro. Press. - P _a	
State New Mexico							
L	H	G _q	% 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	15 Days						1360		1360	
1.	2.375		.750				150		1130	
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, Mcfd
1	12.365		162	1.000	.9258	1.019	1890
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 _____ 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 _c	P _c ²	P _w	P _w ²	P _c ² - P _w ²
1	1372	1882384	1142	1304164	578220
2					
3					
4					
5					

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.2555$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4581$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.4236$

Absolute Open Flow _____ Mcfd @ 15.025	Angle of Slope θ _____	Slope, n .75
--	------------------------	--------------

Remarks: _____

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