

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 11-3-83	
Company Amoco Production Company				Connection El Paso Natural Gas Company	
Pool Basin				Formation Dakota	
Completion Date 10-12-83		Total Depth 6934		Plug Back TD 6910	
Elevation 6445		Farm or Lease Name J.C. Gordon			
Csg. Size 4.500	Wt. 10.5	d 4.025	Set At 6934	Perforations: From 6724 To 6888	
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 6878	Perforations: From Open To ended	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F θ		Mean Annual Temp. °F Baro. Press. - P _a	
County San Juan				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.	Temp. °F	
SI	17 days						1440		1440		
1.	2.375		.750				20		254		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, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		32	1.000	.9258	1.004	368
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	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

P _c 1452	P _c ² 2108304	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0347$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0259$
NO.	P _t ²	P _w	P _w ²
1		266	70756
2			
3			
4			
5			

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 378$

Absolute Open Flow	378	Mcf/d @ 15.025	Angle of Slope θ	Slope, n	.75
--------------------	-----	----------------	------------------	----------	-----

Remarks:

Approved By Division	Conducted By: R. Montoya	Calculated By: R. Montoya	Checked By:
----------------------	-----------------------------	------------------------------	-------------