

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS RESERVOIR

RECEIVED
MAY 31 1985

Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 5-14-85		MAY 31 1985			
Company Amoco Production Co.				Connection El Paso Natural Gas Co.				OIL CON. DIV.	
Pool Basin				Formation Dakota				Unit DIST. 3	
Completion Date 5-6-85		Total Depth 6560		Plug Back TD 6535		Elevation 5687GR		Farm or Lease Name Rowland Gas Com.	
Coq. Size 4.500	Wt. 11.6	d 4.000	Set At 6560	Perforations: From 6422 To 6510		Well No. 1E			
Fig. Size 2.375	Wt. 4.7	d 1.995	Set At 6502	Perforations: From Open To Ended		Unit Sec. Twp. Rge. M 25 30 12			
Type Well - Single - Blindhead - G.C. or G.O. Multiple Single				Packer Set At None		County San Juan			
Producing Thru Tubing		Reservoir Temp. °F #		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	7 days						1861		1868	
1.	2.375	.750					98		469	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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		110	1.000	.9258	1.012	1274
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

P _c 1880	P _c ² 3534400	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0700$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0521$	
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²
1		481	231261	3303039
2				
3				
4				
5				

Absolute Open Flow 1340		Mcf @ 15.025	Angle of Slope @	Slope, n .75
Remarks: Flared, lite condensate, lite H ₂ O				

Approved by Division	Conducted By: Joe Ellendge	Calculated By: J. J. Barnett	Checked By: [Signature]
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