

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 2-2-81				
Company El Paso Natural Gas Company				Connection El Paso Natural Gas Company					
Pool Blanco				Formation Pictured Cliff				Unit	
Completion Date 1-19-81		Total Depth 3159		Plug Back TD 3142		Elevation 6422 G.L.		Farm or Lease Name Bolin A	
Csq. Size 5.500	Wt. 15.50	d 4.950	Set At 3159	Perforations: From 2990 To 3055			Well No. #2		
Tbg. Size 2.0625	Wt. 3.4	d 1.750	Set At 3014	Perforations: From To			Unit C	Sec. Twp. Rge. 34 29 8	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple G. G. Dual					Packer Set At 2950		County San Juan		
Producing Thru Tbg.		Reservoir Temp. °F θ		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L	H	Gg 0.635	% 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							907				14 Days
1.	Choke		0.750	265		56					
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		277	1.0039	0.9721	1.026	3429
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 _r	P _w	P _r ²	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} =$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n =$
1	919	587	844561	344569	499992	1.6891	1.5614
2							
3							
4							
5							

Absolute Open Flow _____ 5354 _____ Mcfd @ 15.025				Angle of Slope θ _____		Slope, q _____ 0.85	
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Remarks: _____ Gas Vented - 469 MCF. The Well Blew Dry Gas Throughout the Test.			
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Approved by Division	Conducted By: Norman Waggner	Calculated By: H. E. McAnally	Checked By:
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