

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-127
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 4-11-83	
Company Turner Production Co.			Connection El Paso Natural Gas Co.		
Pool So. Blanco			Formation Pictured Cliff		Unit
Completion Date 3-16-83		Total Depth 4123		Plug Back TD 4058	Elevation 7027 RDB
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 4123	Perforations: From 3106 To 3114	
Trg. Size 2.375	Wt. 4.7	d 1.995	Set At 3913	Perforations: From Open To Ended	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple G.C. - Dual				Packer Set At 3150	County Rio Arriba
Producing Thru Csg.		Reservoir Temp. °F		Mean Annual Temp. °F	Baro. Press. - P _g 12 psia (est)
L		H	G _g	% CO ₂	% N ₂
			.650 est		
				% 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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI	26 days								711		
1.	2 inch	.750		22					22	60°	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	12,3650		34	1.000	.9608	1.001	404
2.							
3.							
4.							
5.							

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

P _c 723	P _c ² 522729				(1) $\frac{P_c^2}{P_c^2 - R_w^2} = 1.0030$	(2) $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 1.00256$
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²		
1		39	1572	521157		
2.						
3.						
4.		Calculated			AOF = Q $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = \frac{405}{1.00256}$	
5.						

Absolute Open Flow 405 Mcfd @ 15.025		Angle of Slope θ	Slope, n .85
Remarks: Gas completely dry.			
Approved By Division	Conducted By: Joe Elledge	Calculated By: Joe Elledge	Checked By: Mr. Fred Turner