

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 1-29-81			
Company El Paso Natural Gas Company				Connection El Paso Natural Gas Company					
Pool E. Blanco				Formation Pcituried Cliff				Unit	
Completion Date 1-15-81		Total Depth 6934		Plug Back TD 3927		Elevation 7367 G.L.		Farm or Lease Name Carson	
Csq. Size 7.000	Wt. 20.0	d 6.456	Set At 4626	Perforations: From 4108 To 4396		Well No. #3			
Thq. Size 1.6600	Wt. 2.4	d 1.380	Set At 4386	Perforations: From To		Unit Sec. Twp. Rge. M N 30 30 4			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Dual						Packer Set At 4524		County Rio Arriba	
Producing Thru Csg.		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L	H	G _g 0.650	% 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							1238		1232		14 Days
1.	4" X 2.750			18	2.50	48	72		63		3 Hours
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	129.96	4.33	30	1.0117	0.9608	1.004	549
2.							
3.							
4.							
5.							

NO.	P _t	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 1250 P _c ² 1562500					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0045$		(2) $\left[\frac{P_c^2 - P_w^2}{P_c^2 - P_w^2} \right]^n = 1.0039$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²				
1		84	7056	1555444				
2								
3								
4								
5								

Absolute Open Flow 551 Mcfd @ 15.025					Angle of Slope 0.85	
Remarks: Gas Vented = 191 MCF. The Well Produced Dry Gas Throughout The Test.						

Approved By Division	Conducted By: Don Norton	Calculated By: H. E. McNally	Checked By:
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