

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 12-13-85		RECEIVED DEC 16 1985 OIL CON. DIV. DIST. 3	
Company Curtis J. Little				Connection El Paso Natural Gas Co.			
Pool Basin				Formation Dakota			
Completion Date 12-6-85		Total Depth 6760		Plug Back TD 6716		Elevation 6351 G.L.	
Csg. Size 4 1/2		Wt. 11.6		Set At 6759		Perforations: From 6446 To 6625	
Tbg. Size 2 3/8		Wt. 4.7		Set At 6550		Perforations: From open To ended	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple				Packer Set At		County	
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _a 12 psia est.	
L		H		Cg .650 est.		% CO ₂ % N ₂ % H ₂ S Prover	
Meter Run		Taps		State New Mexico			

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						1581		1819	
1.	2 inch		.750				298	56°	786	
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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		310	1.0039	.9608	1.050	.3882
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 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 _i ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2345$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.17115$
1		798	636804	2715757		
2.						
3.						
4.						
5.						

Absolute Open Flow 4546 Mcfd @ 15.025				Angle of Slope @ _____		Slope, n .75	
Remarks: Good show of oil-mist of water							
Approved By Division		Conducted By: <i>David E. Miller</i>		Calculated By: <i>[Signature]</i>		Checked By:	