

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 12/7/67	
Company Southern Union Production Co.				Connection El Paso Natural Gas Company		
Pool Basin				Formation Dakota		Unit
Completion Date 11/20/67		Total Depth 7305		Plug Back TD 7286		Elevation 6930
Csg. Size 4-1/2"		Wt. 10.50#	d	Set At 7305	Perforations: From 7058 To 7275	
Tbg. Size 1-1/2"		Wt. 2.90#	d	Set At 7161	Perforations: From 7153 To 7161	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12
L 7143		H	Gg	% CO ₂	% N ₂	% H ₂ S
Prover		Meter Run		Taps		
FLOW DATA				TUBING DATA		CASING DATA
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI	2"		3/4"			14 days
1.				1997	64	3 hrs.
2.				265		
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}
1	12.3650		277	.9962	.9258	1.032
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 2009 P_c^2 4,036,081						
NO.	P_c^2	P_w	P_w^2	$P_c^2 - P_w^2$	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3510$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2531$	
1	76,729	1024	1,048,576	2,987,505		
2						
3						
4						
5						
$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4,085$						
Absolute Open Flow 4,085 Mcfd @ 15.025					Angle of Slope θ _____ Slope, n .75	
Remarks: Witnessed by Don Norton						
ORIGINAL SIGNED BY						
WAYNE WARRINGTON						
Approved By Commission:		Conducted By:		Calculated By:		Checked By:
		W. Warrington		W. Warrington		W. Warrington