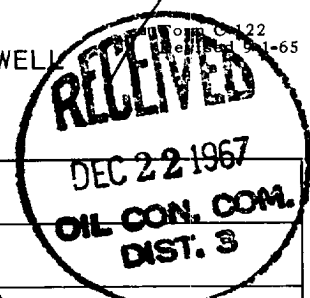


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS



Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 12/20/67	
Company Southern Union Production Co.				Connection El Paso Natural Gas Company		
Pool Basin				Formation Dakota		Unit
Completion Date 12/8/67		Total Depth 7274		Plug Back TD 7255		Elevation 6948
Farm or Lease Name Hodges						Well No. 15
Csg. Size 4.500	Wt. 10.50	d 4.052	Set At 7273	Perforations: From 7026 To 7244		Unit B
Tbg. Size 1.900	Wt. 2.90	d 1.610	Set At 7143	Perforations: From 7135 To 7143		Sec. 27
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas					Packer Set At	
Producing Thru Tubing					Baro. Press. - P_a	
Reservoir Temp. °F @					State New Mexico	
L 7125		H	Gg .700	% 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	2"		3/4"				2361		2359		9 days
1.							210	63°	1099		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		222	.9971	.9258	1.026	2,600
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_t	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 2373	P_c^2 5,631,129	(1) $\frac{P_c^2}{P_c^2 - R_w^2} =$ 1.2807	(2) $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n =$ 1.2039
NO.	P_t^2	P_w^2	$P_w^2 - R_w^2$
1	49,284	1111	1,234,321
2			
3			
4			
5			

Absolute Open Flow 3,130 Mcfd @ 15.025		Angle of Slope θ _____	Slope, n .75
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Remarks: **Witnessed by Jesse Goodwin**

ORIGINAL SIGNED BY
WAYNE WARRINGTON

Approved By Commission:	Conducted By: W. Warrington	Calculated By: W. Warrington	Checked By: W. Warrington
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