

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 11/24/74			
Company Southern Production Co.				Connection Southern Union Gas Company					
Pool P-60150				Formation Pictured Cliff				Unit	
Completion Date 11/1/74		Total Depth 1910		Plug Back TD 3881		Elevation 7153 R. ...		Farm or Lease Name S. Miller	
Csg. Size 4.0"	Wt. 4.0	d 1.000	Set At 3900	Perforations: From ... To ...				Well No.	
Tbg. Size 1.90	Wt. 1.90	d 1.000	Set At 2700	Perforations: From NC PERFO. To ...				Unit Sec. Twp. Rge. 14 30 70	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple						Packer Set At ---		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L 3700	H	Gg 0.000	% 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	2.0						0.00		0.00		10 Days
1.							149	157	430		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 Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.3650		61	1.0042	0.9337	1.10	1003
2							
3							
4							
5							

NO.	P _t	Temp. °R	T _f	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 662	P _c ² 438,244			(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0000$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0015$
NO.	P _t	P _w	P _w ²	P _c ² - P _w ²	
1		432	242,004	200,101	
2					
3					
4					
5					

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3909$

Absolute Open Flow 3909 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 0.85

Remarks: _____

Approved By Commission:	Conducted By: Kenneth E. Roddy	Calculated By: Kenneth E. Roddy	Checked By:
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