

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 12/8/71	
Company Southern Union Production Co.				Connection Southern Union Gas Company		
Pool Basin				Formation Dakota		Unit
Completion Date 11/19/71		Total Depth 7805		Plug Back TD 7786		Elevation 6999
Farm or Lease Name Jicarilla "K"		Well No. 16				
Csg. Size 4.500	Wt. 10.50	d 4.052	Set At 7804	Perforations: From 7512 To 7710		
Thg. Size 1.900	Wt. 2.90	d 1.610	Set At 7450	Perforations: From 7442 To 7450		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual - Gas - Gas				Packer Set At 7445		County Rio Arriba
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		State New Mexico
L 7432	H	Gg 0.700	% 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"				2281				14 Days
1.							139	55°			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		151	1.0048	0.9258	1.016	1,765
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 2293	P _c ² 5,257,849	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{1.0581}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1.0432}$
NO.	P _t ²	P _w	P _w ²
1			288,667
2			4,969,182
3			
4			
5			

Absolute Open Flow 1841 Mcfd @ 15.025		Angle of Slope θ _____	Slope, n 0.75
Remarks: _____			

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