

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 7/3/68				
Company SOUTHERN UNION PRODUCTION CO.				Connection SOUTHERN UNION GAS COMPANY					
Pool CASIN				Formation DAKOTA				Unit	
Completion Date 6/22/68		Total Depth 8065		Plug Back TD 8040		Elevation 5973		Farm or Lease Name JICARILLA 'E'	
Perf. Size 7.625	Wt. 26.40	d 6.969	Set At 3637	Perforations: From 7760 To 7973		Well No. 10			
Perf. Size 4.500	Wt. 10.50	d 4.052	Set At 8062	Perforations: From 7760 To 7973		Unit Sec. Twp. Rge. 1 22 25 4			
Perf. Size 1.900	Wt. 2.90	d 1.610	Set At 7690	Perforations: From 7690 To 7690					
Type Well - Single - Bradenhead - G.G. or G.O. Multiple LUAL - GAS - GAS					Packer Set At 7690		County RIO ARRIJA		
Producing Thru TUEING		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12		State NEW MEXICO	
L 7673	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				2120				10 DAYS
1.							175	64.0			2 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		187	.9962	.9258	1.021	2177
2							
3							
4							
5							

NO.	P _t	Temp. °F	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.			
				A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.			
				Specific Gravity Separator Gas _____ X X X X X X X X			
				Specific Gravity Flowing Fluid _____ X X X X X			
				Critical Pressure _____ P.S.I.A. _____ P.S.I.A.			
				Critical Temperature _____ R _____ R			

P _c	2141	P _c ²	4,582,331				
NO.	P _t	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$	
1	34,969		450,986	4,128,955	1.1091	1.0607	
2							
3							
4							
5							

Absolute Open Flow <u>2352</u> Mcfd @ 15.025				Angle of Slope θ _____		Slope, n <u>.75</u>	
Remarks: _____							
Approved By Commission:		Conducted By:		Calculated By:		Checked By:	
		KENNETH E. RODDY		KENNETH E. RODDY		KENNETH E. RODDY	