

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

RECEIVED
AUG 21 1968
OIL CON. COM.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 8/19/68	
Company SOUTHERN UNION PRODUCTION CO.				Connection SOUTHERN UNION GAS COMPANY	
Pool BLANCO				Formation MESAVERDE	
Completion Date 7/26/68		Total Depth 8315		Plug Back TD 8260	
				Elevation 7221	
Farm or Lease Name JICARILLA "G"					
Well No. 4					
Gas. Size 7.625	Wt. 26.40	d 6.969	Set At 4100	Perforations: From 5514 To 5614	
Tub. Size 5.500	Wt. 15.50	d 4.950	Set At 3624 - 8300	Perforations: From 5561 To 5569	
1.900	2.75	1.610	5569		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple				Packer Set At 7900	
DUAL - GAS - GAS				Baro. Press. - P _a 12	
Producing Thru TUBING		Reservoir Temp. °F @		Mean Annual Temp. °F	
L 5549		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"				1021		1023		22 DAYS
1.							222	51°	871		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, Mcid
1	12.3650		234	1.0088	.9258	1.029	2,781
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 1035	P _c ² 1,071,225	(1) $\frac{P_c^2}{P_c^2 - R_w^2} = \underline{3.6744}$		(2) $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = \underline{2.6539}$	
NO.	P _t ²	P _w	P _w ²	P _c ² - R _w ²	
1		883	779,689	291,536	
2					
3					
4					
5					

Absolute Open Flow 7,380 Mcid @ 15.025			Angle of Slope θ _____		Slope, n .75
Remarks: _____					
Approved By Commission:		Conducted By: KENNETH E. RODDY		Calculated By: KENNETH E. RODDY	
				Checked By: KENNETH E. RODDY	