

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

Form C-122
Revised 9-1-65

RECEIVED

AUG 7 1968

**OIL CON. COM.
DIST. 3**

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 8/5/68	
Company SOUTHERN UNION PRODUCTION CO.				Connection SOUTHERN UNION GAS COMPANY		
Pool BASIN				Formation DAKOTA		Unit
Completion Date 7/15/68		Total Depth 8222		Plug Back TD 8196		Elevation 7124 FT. RKB
Well No. 9		Farm or Lease Name JICARILLA "E"				
Well Size 2-5/8"	Wt. 26.40	d 6.969	Set At 4034	Perforations: From 7987 To 8174		
Well Size 2-1/2"	Wt. 10.50	d 4.052	Set At 8220	Perforations: NONE		
Well Size 2-3/8"	Wt. 4.70#	d 1.995	Set At 7904	Perforations: From NONE To NONE		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple DUAL GAS - GAS				Packer Set At 7900		County RIO ARriba
Producing Thru TUBING		Reservoir Temp. °F @		Mean Annual Temp. °F		State NEW MEXICO
L 7892	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"				2019				14 DAYS
1.							118	63			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		130	.9971	.9258	1.014	1,505
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 2031	P _c ² 4,124,961	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0206$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0154$
NO.	P _t ²	P _w ²	P _c ² - P _w ²
1	16,900	83,174	14,01,787
2			
3			
4			
5			

Absolute Open Flow 1,528 Mcfd @ 15.025		Angle of Slope °	Slope, n .75
Remarks: _____			
Approved By Commission:	Conducted By: KENNETH E. RODDY	Calculated By: KENNETH E. RODDY	Checked By: KENNETH E. RODDY