

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

Form C-122
12-1-65

RECEIVED

AUG 26 1968

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

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 8/22/68	
Company SOUTHERN UNION PRODUCTION CO.		Connection SOUTHERN UNION GAS COMPANY	
Pool BASIN		Formation DAKOTA	
Completion Date 8/8/68	Total Depth 7530	Plug Back TD 7490	Elevation 6665
Farm or Lease Name JICARILLA "JW"		Well No. 12	
Perforations: From 7244 To 7470	Unit Sec. Twp. Rge. D 35 26N 5W		
Perforations: From NONE To NONE	County RIO ARriba		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple DUAL - GAS - GAS		State NEW MEXICO	
Producing Thru TUBING	Reservoir Temp. °F @	Mean Annual Temp. °F 12	Baro. Press. - P _a 12
L 7171	H .700	G _g	% 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
1	2"	3/4"					1414	56°			11 DAYS
2							240				3 HOURS
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		252	1.0039	.9258	1.031	2986
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 1426	P _c ² 2,033,476	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.6522$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.4572$
NO.	P _t ²	P _w	P _w ²
1	63,504	802,715	1,20,761
2			
3			
4			
5			

Absolute Open Flow 4351 Mcfd @ 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

