

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 11/15/69	
Company SOUTHERN UNION PRODUCTION CO.		Connection SOUTHERN UNION GAS COMPANY	
Pool BASIN		Formation DAKOTA	
Completion Date 9/8/69		Total Depth 7725	Plug Back TD 7681
		Elevation 6726	Farm or Lease Name JICARILLA "H"
Core Size 7.625	Wt. 26.40	d 6.969	Set At 3542
Perforations: From 7514 To 7670	Well No. 8		
Core Size 5.500	Wt. 15.50	d 4.950	Set At 3382-7717
Perforations: From 7527 To 7535	Unit Sec. Twp. Rge. P 19 26N 4W		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple DUAL - GAS - GAS		Packer Set At 7325	County RIO ARRIBA
Producing Thru TUBING	Reservoir Temp. °F @	Mean Annual Temp. °F @	Baro. Press. - P _a 12
State NEW MEXICO		Meter Run Taps	
L 7515	H	Gg .700	% CO ₂ % N ₂ % H ₂ S Prover

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"				2359				7 DAYS
2.							169	54°			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		181	1.0054	0.9258	1.021	2,127
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 2371 P _c ² 5,621,641	
NO.	P _t ² P _w ² P _w ² - P _c ²
1	422,534 5,199,107
2	
3	
4	
5	

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0813$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2,255$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0603$

Absolute Open Flow 2,255 Mcfd @ 15.025	Angle of Slope θ _____	Slope, n 0.75
Remarks: _____		

Approved By Commission:	Conducted By: VAL A. RIPPER	Calculated By: KENNETH E. BOBBY	Checked By: KENNETH E. BOBBY
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