

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

RECEIVED
AUG 28 1969
OIL CON. COM.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 8/26/69	
Company SOUTHERN UNION PRODUCTION CO.		Connection SOUTHERN UNION GAS COMPANY	
Pool BASIN		Formation DAKOTA	
Completion Date 8/9/69		Total Depth 8422	Plug Back TD 8401
		Elevation 7342	Farm or Lease Name JICARILLA #G#
Ch. 625 5.500	Wt. 26.40 15.50	d 6.969 4.950	Set At 4240 4080 - 8421
Perforations: From 8308 To 8400		Well No. 5	
Tbg. Size 1.900	Wt. 3.25	d 1.610	Set At 8323
Perforations: From 8315 To 8323		Unit Sec. Twp. Rge. L 12 26N 5W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple DUAL GAS - GAS		Packer Set At 8120	County RIO ARRIBA
Producing Thru TUBING	Reservoir Temp. °F @	Mean Annual Temp. °F 12	State NEW MEXICO
L 8303	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
1.	2"		3/4"				2592				15 DAYS
2.							185	53°			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		197	1.0068	0.9258	1.023	2,323
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 2604	P _c 26,780,816	(1) $\frac{P_c^2}{P_c^2 - R_w^2} = 1.0871$	(2) $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 1.0646$
NO.	P _t ²	P _w ²	P _c ² - R _w ²
1.	38,809	543,222	6,237,594
2.			
3.			
4.			
5.			

$AOF = Q \left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 2,473$

$\frac{P_c^2}{P_c^2 - R_w^2} = 1.0871$

Absolute Open Flow 2,473 Mcfd @ 15.025	Angle of Slope θ _____	Slope, n 0.75
Remarks: _____		

Approved By Commission:	Conducted By: KENNETH E. RODDY	Calculated By: KENNETH E. RODDY	Checked By: KENNETH E. RODDY
-------------------------	--	---	--