

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 12-3-80	
Company SUPRON ENERGY CORPORATION		Connection Gas Company of New Mexico	
Pool Basin		Formation Dakota	
Completion Date 11-19-80		Total Depth 8340	Plug Back TD 8318
		Elevation 7267	Form or Lease Name Jicarilla "G"
Log Size 7.000 4.500	Wt. 23.00 10.50	d 4.052	Set At 4165 4012-8334
Thg. Size 2.375	Wt. 4.70	d 1.995	Set At 8218
Perforations: From 8132 To 8282		Perforations: No Perforations	
Type Well - Single - Broadhead - G.G. or G.O. Multiple Single - Gas		Packer Set At -----	County Rio Arriba
Producing Thru Tubing	Reservoir Temp. °F @	Mean Annual Temp. °F 12	State New Mexico
L 8208	H	Gg 0.700	% 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"				2173		2170		7 days
1.							208	57°	343		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		220	1.0029	0.9258	1.026	2591
2.							
3.							
4.							
5.							

NO.	P _f	Temp. °R	T _f	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

NO.	P _c	P _w	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1	2182	355	4,761,124	1.0272	1.0203
2					
3					
4					
5					

Absolute Open Flow _____ Mcfd @ 15.025		Angle of Slope θ _____	Slope, n _____ 0.75
Remarks: _____			
Approved By Commission:	Conducted By: Leroy Tafuya	Calculated By: Kenneth E. Roddy	Checked By: