

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-122
Revised 10-1-78

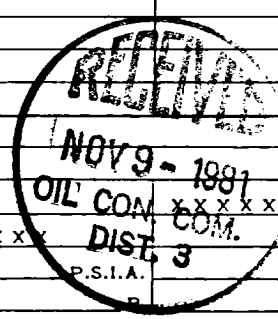
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 11-3-81			
Company SUPRON ENERGY CORPORATION				Connection Southern Union Gathering Company					
Pool Blanco				Formation Mesaverde				Unit	
Completion Date 9-22-81		Total Depth 7024		Plug Back TD 7005		Elevation 6010		Farm or Lease Name Taliaferro	
Csq. Size 4.500	Wt. 10.50	d 4.052	Set At 7024	Perforations: From 4611 To 4908		Well No. 2-F			
Tub. Size NO TUBING	Wt.	d	Set At	Perforations: From To		Unit Sec. Twp. Rye.		C 31 31N 12W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual - Gas - Gas						Packer Set At 6756		County San Juan	
Producing Thru Casing		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L 4599	H	G _g 0.650	% 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"						1082		14 days
1.									5	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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		17	0.9971	0.9608	1.000	201
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 X X
3.					Specific Gravity Flowing Fluid	X X X X X
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R



P _c 1094		P _c ² 1,196,836		(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0003$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0002$	
NO	P _t ²	P _w	P _w ²	P _c ² - P _w ²			
1			406	1,196,430			
2							
3							
4							
5							

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 201$

Absolute Open Flow 201		Mcf/d @ 15.025		Angle of Slope ϕ		Slope, n 0.75	
------------------------	--	----------------	--	-----------------------	--	---------------	--

Remarks:

Approved By Division	Conducted By: Mike Smith	Calculated By: Kenneth E. Roddu	Checked By:
----------------------	-----------------------------	------------------------------------	-------------