

OIL CONSERVATION DIVISION

P. O. BOX 2088

Form C-122
Revised 10-1-78STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 2-24-81				
Company SUPRON ENERGY CORPORATION				Connection Gas Company of New Mexico					
Pool Blanco				Formation Mesaverde				Unit	
Completion Date 2-10-81		Total Depth 6238		Plug Back TD 6190		Elevation 7245		Farm or Lease Name McCroden "B"	
Coq. Size 4.500	Wt. 10.50	d 4.052	Set At 6232	Perforations: From 5913 To 5988			Well No. 3		
Thq. Size 2.375	Wt. 4.70	d 1.995	Set At 5980	Perforations: From No Perforations To			Unit Sec. Twp. Rge. K 4 25N 3W		
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single					Packer Set At -----			County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F #		Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L 5970	H	G _g 0.650		% N ₂	% H ₂ S	Prover	Meter Run	Tags	

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"				1197		1197		7 days
1.							150	60°	388		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 F _t	Gravity Factor F _g	Flow Q, Mcd
1	12.3650		162	1.0000	0.9608	1953
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. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 1209	P _c ² 1,461,681	(1) $\frac{P_c^2}{P_t^2 - P_w^2} = 1.1229$	(2) $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n = 1.0908$
NO. 1	P _t ² 400	P _w ² 160,000	P _t ² - P _w ² 1,301,681
2.			
3.			
4.			
5.			

Absolute Open Flow 2130		Mold # 15.025	Angle of Slope # _____	Slope, n 0.75
Remarks: _____				

Approved by Division	Conducted By Steve Stammers	Calculated By Kenneth E. Boddy	Checked By
----------------------	--------------------------------	-----------------------------------	------------