

OIL CONSERVATION DIVISION

P. O. BOX 2088

Form C-722
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 8-10-79	
Company SUPRON ENERGY CORPORATION		Connection Gas Company of New Mexico	
Pool Blanco		Formation Mesaverde	
Completion Date 7-3-79		Total Depth 7965	Plug Back TD 7928
		Elevation 6873 R.K.B.	Unit Jicarilla "A"
Csg. Size 5.500	Wt. 15.50	d 4.950	Set At 7965
Perforations From 5621 To 5807		Well No. 8	
Thq. Size 1.900	Wt. 2.75	d 1.610	Set At 5701
Perforations From 5693 To 5701		Unit Sec. Twp. Rge. E 23 26N 4W	
Type Well - Single - Brdenhead - G.C. or G.O. Multiple Dual - Gas - Gas		Packer Set At 7091	County Rio Arriba
Producing Thru Tubing	Reservoir Temp. °F P	Mean Annual Temp. °F	Baro. Press. - P _a 12
State New Mexico		Prover Meter Run Taps	
L 5683	H	G _g 0.650	% CO ₂ % N ₂ % H ₂ S

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"				1198		1198		30 days
1.							59	60°	391		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	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcd
1	12.3650		71	1.0000	0.9608	1.0000	844
2.							
3.							
4.							
5.							

NO.	P _t	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 _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 1210	P _c ² 1,464,100		
NO.	P _t ²	P _w	P _c ² - P _w ²
1		403	1,301,691
2.			
3.			
4.			
5.			

(1) $\frac{P_c^2}{P_t^2 - P_w^2} = 1.1248$ (2) $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n = 1.0922$

AOF = Q $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n = 922$

Absolute Open Flow 922	Mcd @ 15.025	Angle of Slope @	Slope, n 0.75
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Remarks _____

Approved By Division _____ Conducted By _____ Calculated By Kenneth E. Roddu _____ Checked By _____