OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 3-12-81	
Company: SUPRON ENERGY CORPORATION		Connection: Southern Union Gathering Company		
Pool: Fulcher Kutz		Formation: Pictured Cliffs		Unit
Completion Date: 3-2-81	Total Depth: 1790	Plug Back TD: 1740	Elevation: 5565	Farm or Lease Name: Angel Peak
Csg. Size: 2.875 / Wt.: 6.50 / d: 2.441 / Set At: 1771		Perforations: From 1636 To 1676		Well No.: 5-R
Tbg. Size: No Tubing / Wt. / d / Set At		Perforations: From To		Unit: J / Sec.: 10 / Twp.: 28-N / Rge.: 11-W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At		County: San Juan
Producing Thru: Casing	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a: 12	State: New Mexico
L: 1626 / H / Gg: 0.650	% CO_2	% N_2	% H_2S	Prover / Meter Run / Taps

FLOW DATA / TUBING DATA / CASING DATA

NO.	Prover Line Size	X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI	2"	3/4"						127		7 days
1.								40	58°	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	Supercompress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.3650		52	1.0019	0.9608	1.000	
2.							
3.							
4.							
5.							

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NO.	P_t	Temp. °R	T_r	Z
1				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 139 P_c^2 19,321

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1			3578	15,743
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_t^2 - P_w^2} = 1.2273$ (2) $\left[\frac{P_c^2}{P_t^2 - P_w^2}\right]^n = 1.1923$

AOF = Q $\left[\frac{P_t^2}{P_t^2 - P_w^2}\right]^n = 738$

Absolute Open Flow 738 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n 0.85

Remarks: _____

Approved By Division	Conducted By: Clifton Gates	Calculated By: Kenneth E. Roddy	Checked By: