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: 6-26-79	
Company: SUPRON ENERGY CORPORATION			Connection: Southern Union Gathering Co.		
Pool: Basin			Formation: Dakota		Unit:
Completion Date	Total Depth		Plug Back TD	Elevation	Farm or Lease Name: Angel Peak
Csg. Size: 5.500 / Wt.: 15.50 / d: 4.950 / Set At: 6525			Perforations: From 6221 To 6463		Well No.: 21
Tbg. Size: 2.375 / Wt.: 4.70 / d: 1.995 / Set At:			Perforations: From To		Unit: P / Sec.: 12 / Twp.: 28N / Rge.: 11W
Type Well – Single – Bradenhead – G.C. or G.O. Multiple: Single			Packer Set At		County: San Juan
Producing Thru: Tubing	Reservoir Temp. °F: 0		Mean Annual Temp. °F	Baro. Press. – P_a: 12	State: New Mexico
L: 6248	H	Gg: 0.700	% 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	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI	2"	3/4"				392		392		3 days
1.						30	66°	187		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		42	0.9943	0.9258	1.0000	478
2.							
3.							
4.							
5.							

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

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

P_c 404 P_c^2 163,216

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		199	39,601	123,615
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3204$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]$ 1.2917

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 589$

RECEIVED
JUN 28 1979
OIL CON. COM.
DIST. 3

Absolute Open Flow 589 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n 0.75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Cliff Gates	Kenneth E. Roddy	