

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 8-25-81			
Company SUPRON ENERGY CORPORATION						Connection Southern Union Gathering Company			
Pool Wildcat						Formation Chacra			
Completion Date 7-18-81		Total Depth 6480		Plug back TD 6435		Elevation 5770		Farm or Lease Name Angel Peak "B"	
Csq. Size 4.500	Wt. 10.50	d 4.052	Set At 6479	Perforations: From 2855 To 2862		Well No. 25-E			
Trq. Size NO TUBING	Wt.	d	Set At	Perforations: From To		Unit F	Sec. 24	Twp. 28N	Rge. 11W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual - Gas - Gas						Packer Set At 6120		County San Juan	
Producing Thru Casing		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _g 12		State New Mexico	
L 2845	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"						825		7 days
1.									56	65°	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		68	0.9952	0.9608	1.000	804
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbon	_____ Deg.
2.					Specific Gravity Separator Gas	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXX
4.					Critical Pressure _____ P.S.I.A.	_____ P.S.I.A.
5.					Critical Temperature _____ R	_____ R

NO.	P _r ²	P _w	P _w ²	P _r ² - P _w ²
1			5838	694,731
2				
3				
4				
5				

(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 1.0084$

(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.0062$

AOF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 809$

RECEIVED

SEP 1 1981

OIL CON. COM.

DIST. 3

Absolute Open Flow	809	Mcfd @ 15.025	Angle of Slope @	Slope, n	0.75
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Remarks:			
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Approved By Division	Conducted By: David Roark	Calculated By: Kenneth E. Roddy	Checked By:
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