

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 3-8-79	
Company SUPRON ENERGY CORPORATION				Connection Southern Union Gathering Company		
Pool Basin				Formation Dakota		Unit
Completion Date 2-19-79		Total Depth 8084		Plug Back TD 8060		Elevation 6579 Gr.
Farm or Lease Name Quinn						
Csg. Size 7.625 5.500	Wt. 26.40 15.50	d 6.969 4.950	Set At 3841 3700-8084	Perforations: From 7907 To 8017		Well No. 6-A
Tbg. Size 2.0625	Wt. 3.25	d 1.750	Set At 7870	Perforations: From No Perforations		Unit Sec. Twp. Rge. P 20 31N 8W
Type Well - Single - Brodenhead - G.G. or G.O. Multiple Dual - Gas - Gas				Packer Set At 7870		County San Juan
Producing Thru Tubing		Reservoir Temp. °F 6		Mean Annual Temp. °F 12		State New Mexico
L 7856	H	Gg 0.650	% CO ₂	% H 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"				2100				7 days
1.							120	62°			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		132	0.9981	0.9608	1.012	1584
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	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
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 2112	P _c ² 4,460,544	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0357$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0266$
NO.	P _w	P _w ²	P _c ² - P _w ²
1		153,751	4,306,793
2			
3			
4			
5			

Absolute Open Flow 1626 Mcfd @ 15.025		Angle of Slope 0.75	
Remarks:			

Approved by Commission	Conducted By: Bennie Brown	Calculated By: Kenneth E. Roddy	Checked By:
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