

**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 4-10-80	
Company SUPRON ENERGY CORPORATION		Connection Southern Union Gathering Company	
Pool Basin		Formation Dakota	
Completion Date 3-24-80	Total Length 6450	Flow Back TD 6407	Elevation 5607
Farm or Lease Name Zachry		Well No. 18-E	
Csg. Size 5.500	Wt. 15.50	d 4.950	Set At 6450
Perforations: From 6196 To 6368		Well No. 18-E	
Thq. Size 2.0625	Wt. 3.25	d 1.750	Set At 6173
Perforations: From NO PERFORATIONS		Unit Sec. Twp. Rge. 0 11 28N 10W	
Type Well - Single - Broadhead - G.G. or G.O. Multiple Dual - Gas - Gas		Packer Set At 6173	
Producing Thru Tubing		County San Juan	
Reservoir Temp. °F @		State New Mexico	
Mean Annual Temp. °F @		Baro. Press. - P _a 12	
L 6161	H	Gg 0.700	% 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"				830				15 days
1.							80	63°			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		92	0.9971	0.9258	1.000	1050
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 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 842	P _c ² 708,964	
NO.	P _w	P _w ²
1		60,444
2		648,520
3		
4		
5		

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0932$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1123$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0691$$

Absolute Open Flow 1123	Mcf @ 15.025	Angle of Slope @	0.75
Remarks:			

Approved By Commission:	Conducted By: CLIFF GATES	Calculated By: KENNETH E. RODDY	Checked By:
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