

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 8-11-81	
Company SUPRON ENERGY CORPORATION				Connection Southern Union Gathering Company		
Pool Basin				Formation Dakota		Unit
Completion Date 5-29-81		Total Depth 6520		Plug Back TD 6473		Elevation 5690
Csg. Size 4.500		Wt. 10.50		Set At 6517		Perforations: From 6205 To 6350
Trg. Size 2.375		Wt. 4.70		Set At 6193		Perforations: NO PERFORATIONS
Type Well - Single - Brdhead - G.G. or G.O. Multiple Dual - Gas - Gas				Packer Set At 6158		Farm or Lease Name Congress
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F		Well No. 5-E
L 6183		H		Gg 0.700		Unit Sec. Twp. Rge. P 34 29N 11W
% CO ₂		% N ₂		% H ₂ S		County San Juan
Prover		Meter Run		Taps		State New Mexico

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"				605				7 days
1.							25	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		37	0.9981	0.9258	1.000	423
2.							
3.							
4.							
5.							

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

P _c 617 P _c ² 380,689		(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0150$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0111$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	
1			5640	375,049	
2					
3					
4					
5					

Absolute Open Flow 428		Mcf/d @ 15.025		Angle of Slope @		Slope, n 0.75	
Remarks:							

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