

OIL CONSERVATION DIVISION

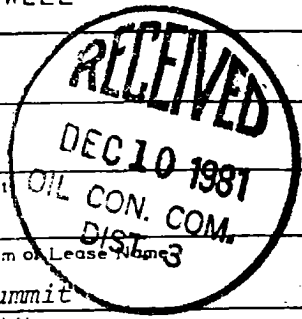
STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 12-3-81					
Company SUPRON ENERGY CORPORATION				Connection Southern Union Gathering Company							
Pool Basin				Formation Dakota							
Completion Date 11-10-81		Total Depth 6403		Plug Back TD 6357		Elevation 5557					
Csg. Size 4.500		Wt. 10.50		d 4.052		Set At 6401		Perforations: From 6120 To 6251		Well No. 6-E	
Thq. Size 2.375		Wt. 4.70		d 1.995		Set At 6160		Perforations: From NO PERFORATIONS To		Unit Sec. Twp. Rye. F 33 29N 11W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual - Gas - Gas						Packer Set At 6092		County San Juan			
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico			
L 6150		H		G _g 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"				967				14 days
1.							95	65 ⁰			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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		107	0.9952	0.9258	1.000	1219
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

$P_c = 979$ $P_c^2 = 958,441$					$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0513$		$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0382$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²				
1			46,783	911,658				
2								
3								
4								
5								

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1266$

Absolute Open Flow 1266		Mcf @ 15.025		Angle of Slope @ _____		Slope, n 0.75	
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Remarks: _____

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