

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 3-19-81	
Company SUPRON ENERGY CORPORATION				Connection Southern Union Gathering Company	
Pool Basin				Formation Dakota	
Completion Date 2-28-81		Total Depth 6560		Plug Back TD 6520	
Elevation 5675		Form or Lease Name Zachry		Well No. 19-E	
Ceq. Size 4.500	Wt. 10.50	d 4.052	Set At 6560	Perforations From 6283 To 6457	Unit 19-E
Thq. Size 2.375	Wt. 4.70	d 1.995	Set At 6240	Perforations No Perforations	Unit 0
Type Well - Single - Blindhead - G.G. or C.O. Multiple Dual - Gas - Gas				Packer Set At 6229	
Producing thru Tubing				Baro. Press. - P _a 12	
County San Juan				State New Mexico	
L 6230	H	G _g 0.650	% 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"				782				14 days
1.							76	63 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 Ft.	Gravity Factor F _g	Super Compress. Factor, F _{sp}	Flow Rate, Q
1	12.3650		88	0.9971	0.9608	1.000	1042
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1										
2.										
3.										
4.										
5.										

P _r 794	P _w 630, 436	(1) $\frac{P_r^2}{P_w^2} = 1.0539$	(2) $\left[\frac{P_r^2}{P_w^2} \right]^n = 1.0401$
NO. 1	P _r 794	P _w 630, 436	P _r 794
1		32,219	598,217
2			
3			
4			
5			

Absolute Open Flow	1084	Mcf @ 15.025	Angle of Slope	0.75
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Remarks:

Approved by Division	Conducted By David Roark	Calculated By Kenneth E. Roddy	Checked By
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