

OIL CONSERVATION DIVISION

P. O. BOX 2088

Form C-122
Revised 10-1-78STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 12-18-81	
Company SUPRON ENERGY CORPORATION				Connection Southern Union Gathering Company		
Pool Basin				Formation Dakota		Unit
Completion Date 12-5-81		Total Depth 6518		Plug Back TD 6448		Elevation 5752
Csg. Size 4.500		Wt. 10.50	d 4.052	Set At 6518		Perforations: From 6262 To 6384
Tng. Size 2.375		Wt. 4.70	d 1.995	Set At 6322		Perforations: NO PERFORATIONS From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At ---		Well No. 5-E
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a 12
L 6312		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"				1891		1901		7 days
1.							398	88°	893		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 _{pv}	Rate of Flow Q, Mcfd
1	12.3650		410	0.9741	0.9258	1.042	4764
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 _____ 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 1913	P _c ² 3,659,569	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2883$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2092$
NO.	P _t ²	P _w	P _w ²
1		905	819,025
2			
3			
4			
5			

Absolute Open Flow 5761		Mcf @ 15.025		Angle of Slope _____		Slope, n 0.75	
Remarks:							

Approved By Division	Conducted By: Mike Smith	Calculated By: Kenneth E. Roddy	Checked By:
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