

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 8-27-80	
Company SUPRON ENERGY CORPORATION				Connection Southern Union Gathering Company		
Pool Basin				Formation Dakota		Unit
Completion Date 8-18-80		Total Depth 7800		Plug Back TD 7750		Elevation 6293
Flow Size 7.625 5.500		Wt. 26.40 15.50		d 6.969 4.950		Set At 3400 3248-7793
Perforations: From 7584 To 7718		Well No. 2-A				
Perforations: No Perforations		Unit D		Sec. Twp. Rge. 21 32-N 10-W		
Type Well - Single - Brodenhead - G.C. or G.O. Multiple Dual - Gas - Gas				Packer Set At 7530		County San Juan
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		State New Mexico
L 7520	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"				2712				7 days
1.							180	70°			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		192	0.9905	0.9258	1.021	2223
2.							
3.							
4.							
5.							

NO.	P _f	Temp. °R	T _f	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 2724 P _c ² 7,420,176				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1			312,297	7,107,879
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.0439}{1.0327}$

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

RECEIVED
OIL SER 5 1980
COM. DIST. 3

Absolute Open Flow	2296	Mcf/d @ 15.025	Angle of Slope θ	Slope, n	0.75
Remarks:					

Approved By Commission:	Conducted By: Randy Martinez	Calculated By: Kenneth E. Roddy	Checked By:
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