

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 4-2-80	
Company SUPRON ENERGY CORPORATION				Connection Southern Union Gathering Co.	
Pool Aztec Extension				Formation Fruitland	
Completion Date 3-22-80		Total Depth 1551		Elevation 5572	
Casing Size 2.875		Set At 1551		Perforations: From 1402 To 1442	
Tubing Size NO TUBING WAS RUN		Set At		Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At -----	
Producing Thru Casing		Reservoir Temp. °F 8		Mean Annual Temp. °F 12	
Baro. Press. - P _a 1390		Prover		Meter Run 11-W	
L		H		Taps	
Cg 0.620		% CO ₂		% H ₂ S	
County San Juan				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	
1	2"		3/4"						570		7 days
2									50	60°	3 hours
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		62	1.0000	0.9837	1.000	754
2							
3							
4							
5							

NO.	P _r	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 582	P _c ² 338,724	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0147$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0124$
NO.	P ₁	P _w	P _w ²
1			4895
2			333,829
3			
4			
5			

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 763$

Absolute Open Flow 763 Mcfd @ 15.025 Angle of Slope Θ _____

Remarks: _____

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