

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 1-22-81	
Company SUPRON ENERGY CORPORATION				Connection Gas Company of New Mexico			
Pool Basin				Formation Dakota		Unit	
Completion Date 1-9-81		Total Depth 7624		Plug Back TD 7589		Elevation 6675	
Csg. Size 4.500		Wt. 10.50		d 4.052		Set At 7624	
Tbg. Size 2.375		Wt. 4.70		d 1.995		Set At 7282	
Perforations: From 7325 To 7497				Well No. 13-E			
Perforations: No Perforations				Unit Sec. Twp. Rye. A 36 26N 5W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual - Gas - Gas						Packer Set At 7275	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12	
L 7272		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"				1838				7 days
1.							174	60°			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		186	1.0000	0.9258	1.021	2174
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 1850	P _c ² 3,422,500	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0502$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0373$
NO.	P _w	P _w ²	P _c ² - P _w ²
1		163,693	3,258,807
2.			
3.			
4.			
5.			

Absolute Open Flow 2255 Mcfd @ 15.025		Angle of Slope 0.75	
Remarks:			
Approved by Commission:	Conducted By: Doyal Parret	Calculated By: Kenneth E. Roddy	Checked By:

