

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 4-24-80				
Company SUPRON ENERGY CORPORATION				Connection El Paso Natural Gas Company					
Pool Basin				Formation Dakota				Unit	
Completion Date 4-9-80		Total Depth 6750		Plug Back TD 6707		Elevation 6027		Farm or Lease Name Navajo "B"	
Log. Size 5.500	Wt. 15.50	d 4.950	Set At 6750	Perforations: From 6392 To 6604		Well No. 6-M			
Trg. Size 2.0625	Wt. 3.25	d 1.750	Set At 6346	Perforations: From No Perforations		Unit Sec. Twp. Rge. D 19 27-N 8-W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual - Gas - Gas					Packer Set At 6336		County San Juan		
Producing Thru Tubing		Reservoir Temp. °F 6		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L 6336	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	
1	2"		3/4"				1760				7 days
2							70	68°			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		82	0.9924	0.9258	1.000	932
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	

$P_c = 1772$ $P_c^2 = 3,139,984$					$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0158$		$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0118$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²				
1			48,744	3,091,240				
2								
3								
4								
5								

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 943$					Absolute Open Flow <u>943</u> Mcfd @ 15.025		Angle of Slope θ _____ Slope, n <u>0.75</u>	
Remarks: _____								

Approved By Commission:	Conducted By: John C. Rector	Calculated By: Kenneth E. Roddy	Checked By:
-------------------------	---------------------------------	------------------------------------	-------------