

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special										Test Date 9-1-81	
Company SUPRON ENERGY CORPORATION					Connection El Paso Natural Gas Company						
Pool Basin					Formation Dakota					Unit	
Completion Date 7-18-81			Total Depth 6480		Plug Back TD 6435		Elevation 5770		Farm or Lease Name Angel Peak "B"		
Csq. Size 4.500	Wt. 10.50	d 4.052	Set At 6479	Perforations: From 6180 To 6366				Well No. 25-E			
Thq. Size 2.375	Wt. 4.70	d 1.995	Set At 6193	Perforations: NO PERFORATIONS From To				Unit F	Sec. 24	Twp. 28N	Rge. 11W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual - Gas - Gas							Packer Set At 6120		County San Juan		
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico			
L 6183	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"				813				14 days
1.							99	66°			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		111	0.9943	0.9258	1.014	1281
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 825	P _c ² 680,625					
NO	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0818$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0607$
1			51,486	629,139		
2						
3						
4						
5						

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1359$$

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Absolute Open Flow 1359 _____ Mcfd @ 15.025	Angle of Slope _____	Slope, n 0.75
Remarks: _____		

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