

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 10-29-81				
Company SUPRON ENERGY CORPORATION				Connection El Paso Natural Gas Company					
Pool Basin				Formation Dakota				Unit	
Completion Date 9-24-81		Total Depth 6741		Plug Back TD 6696		Elevation 6332		Farm or Lease Name Newsom "B"	
Csq. Size 4.500	Wt. 10.50	d 4.052	Set At 6741	Perforations: From 6512 To 6656		Well No. 12-E			
Thq. Size 2.375	Wt. 4.70	d 1.995	Set At 6598	Perforations: NO PERFORATIONS From To		Unit Sec. Twp. Rge. J 17 26N 8W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At ----		County San Juan		
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L 6588	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"				1478		1432		7 days
1.							108	73°	523		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		120	0.9877	0.9258	1.011	1372
2.							
3.							
4.							
5.							

NO.	P _t	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 1490	P _c ² 2,220,100			
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		535	286,225	1,933,875
2				
3				
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.1480}{}$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1522$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1.1090}{}$$

Absolute Open Flow 1522	Mcfd @ 15.025	Angle of Slope @	Slope, n 0.75
Remarks:			

Approved By Division	Conducted By: Jene Stone	Calculated By: Kenneth E. Roddy	Checked By:
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