

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 1/19/78	
Company Supron Energy Corporation				Connection Gas Company of New Mexico		
Pool South Blanco				Formation Pictured Cliffs		Unit
Completion Date 1/6/78		Total Depth		Plug Back TD		Elevation 6832 Gr.
Farm or Lease Name Jicarilla "P"		Well No. 4				
Csg. Size 4.500	Wt. 9.50	d 4.090	Set At 3569	Perforations: From 3445 To 3454		Unit 0
Tbg. Size 1.900	Wt. 2.90	d 1.610	Set At 3350	Perforations: From 3334 To 3350		Sec. 33
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas				Packer Set At ---		Twp. 26N
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F 12		Rge. 4W
Baro. Press. - P _a 12		State New Mexico				
L 3324	H	Gg 0.620	% 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"				935		935		3 Days
1.							200	55°	558		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		212	1.0048	0.9837	1.019	2640
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

$P_c = 947$ $P_c^2 = 896,809$					$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.5681$	$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.4657$
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²		
1		570	324,900	571,909		
2						
3						
4						
5						

$AOI = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3869$					3869 Mcfd @ 15.025	Angle of Slope θ _____ Slope, n 0.85
Remarks: _____						

Approved By Commission	Conducted By: Doyal Parret	Calculated By: Kenneth E. Roddy	Checked By:
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