

3/30/81

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

4/1/81

Type test ☒ Initial ☐ Annual ☐ Special		Test Date 3/29/81	
Company Supron Energy Corporation (Hill)		Connection	
Pool Ballard		Formation Pictured Cliffs	
Completion Date 3/14/81		Total Depth	
Casing Size 5.50		Set At 7504	
Perforations: From 2689 To 2762		Well No. 15E	
Tubing Size 1.660		Set At 2695	
Perforations: From To		Unit Sec. Twp. Rge. J-27-26N-8W	
Type Well - Single - Broadhead - G.C. or G.O. Multiple G - G Multiple		Packer Set At 7135	
Producing Thru Tubing		Reservoir Temp. °F Mean Annual Temp. °F	
Baro. Press. - P _a		State New Mexico	
L H Gg est. .650		% CO ₂ % N ₂ % H ₂ S Prover	
Meter Run		Taps	
FLOW DATA			
NO.	Prover Line Size	X	Orifice Size
1.			.750
2.			
3.			
4.			
5.			
TUBING DATA			
NO.	Prover Line Size	X	Orifice Size
1.			.750
2.			
3.			
4.			
5.			
CASING DATA			
NO.	Prover Line Size	X	Orifice Size
1.			.750
2.			
3.			
4.			
5.			
RATE OF FLOW CALCULATIONS			
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m
1.	12.3650		76
2.			
3.			
4.			
5.			
NO.	R ₁	Temp. °R	T ₁
1.			
2.			
3.			
4.			
5.			
Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.			
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.			
Specific Gravity Separator Gas _____			
Specific Gravity Flowing Fluid _____			
Critical Pressure _____ P.S.I.A.			
Critical Temperature _____ °R			
P _c 1.87 P _c ² 237169			
NO.	P ₁ ²	P _w	P _w ²
1.		328	107584
2.			
3.			
4.			
5.			
(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.8302$			
(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.6716$			
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1550$			
Absolute Open Flow 1550 Mcfd @ 15.025 Angle of Slope ϕ Slope, n .85			
Remarks: Dry throughout test.			
Approved by Division Conducted By: CRW Calculated By: Checked By:			