

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date	
Company B.H. KEYES & Margaret Keyes				Connection	
Pool Aztec Ertland				Formation Fruitland-Farmington	
Completion Date 9/11/85		Total Depth 1940		Plug Back TD 1670	
Elevation 5581 GL		Farm or Lease Name Ransom			
Csg. Size 2.875	Wt. 6.5	Set At 1937	Perforations: From 1615 To 1627		Well No. 1-M
Thg. Size 1.250	Wt.	Set At 1615	Perforations: From 1128 To 1141 896 To 906		Unit Sec. Twp. Rge. 0 13 29N 11W
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Commingled				Packer Set At None	
Producing Thru Tubing				County San Juan	
Reservoir Temp. °F 0				State New Mexico	
Mean Annual Temp. °F		Baro. Press. - P _g		Meter Run	
L	H	G _g	% CO ₂	% N ₂	% H ₂ S
Prover		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							368		368		
1.	.750						10	57'	109		3 Hrs.
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 F _g	Super Compress. Factor, F _{spv}	Rate of Flow Q, Mcfd
1	12.3650		22	1.003	.9608	1.004	263
2.							
3.							
4.							
5.							

NO.	P _f	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	.650 Est.
3.					Specific Gravity Flowing Fluid	X X X X X
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P _c 380	P _c ² 144400				(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1128$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0951$
NO.	P _f ²	P _w	P _w ²	P _c ² - P _w ²		
1		121	14641	129759		
2						
3						
4						
5						

Absolute Open Flow 288 Mcfd @ 15.025 Angle 3.00 Slope, n .85

Remarks: Very wet w/water throughout test

Approved By Division Conducted By: Clarence R. Wagner Calculated By: Clarence R. Wagner Checked By:

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OIL CON. DIV.
DIST. 3