

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

RECEIVED
NOV 01 1985
OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 4/18/84	
Company Joel B. Burr, Jr.				Connection	
Pool Fulcher Kutz				Formation Pictured Cliff	
Completion Date		Total Depth 2063		Plug Back TD	
Elevation		Farm or Lease Name Foothills		Well No. 2	
Csg. Size 2 7/8	Wt. d	Set At 2060	Perforations: From 1971 To 1979		Unit D
Trq. Size	Wt. d	Set At	Perforations: From To		Sec. Twp. Rge. 19 30 12
Type Well - Single - Bradenhead - G.G. or G.O. Multiple				Packer Set At	
Producing Thru		Reservoir Temp. °F		County San Juan	
Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	Cg .6800	% 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							510				7 days
1.	2 x 6 x .75						12	70			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	11		24	.9905	1.213	1.0015	318
2.							
3.							
4.							
5.							

NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure P.S.I.A.	Critical Temperature °R
1.	.04	430	1.12	.997			XXXXXXX	XXXXX		
2.										
3.										
4.										
5.										

NO.	P ₁ ²	P _w	P _w ²	P _c ² - P _w ²
1		24	576	271908
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0021$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 319$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0018$

Absolute Open Flow	319 Mcfd @ 15.025	Angle of Slope @	.85	Slope, n	
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Remarks:

Approved By: Division	Conducted By:	Calculated By:	Checked By:
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