

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 7/8/83	
Company C. & E. Operators, Inc.		Connection Not connected	
Pool Blanco		Formation Mesaverde	
Completion Date 7/1/83	Total Depth 5010	Plug Back TD 4948	Elevation 5797' Gr.
Farm or Lease Name FEE		Well No. 3	
Csq. Size 7"	Wt. 23#	Set At 4987'	Perforations: From 4272 To 4778
Tng. Size 2-3/8" EUE	Wt. 4.7#	Set At 4562'	Perforations: From Open end To
Type Well - Single - Brdenhead - G.G. or G.O. Multiple Dual Pictured Cliffs - Mesaverde		Packer Set At 2420' Mod. D	County San Juan
Producing Thru Tubing	Reservoir Temp. °F 8	Mean Annual Temp. °F	Baro. Press. - P _a New Mexico
L	H	G _g	% 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	7 days						939		Under packer		SI
1.	0.75" CM		296				296	68			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	12.365			0.9924	1.0	1.018	3848
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.	A.P.J. Gravity of Liquid Hydrocarbons _____ Deg.
1.					Specific Gravity Separator Gas _____	XXXXXX
2.					Specific Gravity Flowing Fluid _____	XXXXX
3.					Critical Pressure _____ P.S.I.A.	P.S.I.A.
4.					Critical Temperature _____ R	R
5.						

NO.	P _t ²	P _w	P _w ²	P _t ² - P _w ²	(1) $\frac{P_t^2}{P_t^2 - P_w^2} =$	(2) $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^{n \cdot 0.75} =$
1	94864	Cal.=539	290864	613937	1.474	1.338
2.						
3.						
4.						
5.						

AOF = Q $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n = 3848 \times 1.338 = 5,149$

Absolute Open Flow	5,149	Mcfd @ 15.025	Angle of Slope @	Slope, n .75
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Remarks: Flared gas to obtain test. Mesaverde side of Dual Well.

Approved By Division	Conducted By: Bruce Heller	Calculated By: John M. Heller, Cons.	Checked By:
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