

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 1/29/75	
Company Dallas McCasland				Connection None			
Pool Bmont				Formation Yates - Seven Rivers			
Completion Date 10/21/74		Total Depth 3719		Plug Back TD -		Elevation -	
Farm or Lease Name Elliott							
Csg. Size 5 1/2	Wt. 14.0	d 5.012	Set At 3460	Perforations: From 2612 To 3352		Well No. 2	
Tbg. Size 2 3/8	Wt. 4.7	d 1.995	Set At 3360	Perforations: From To		Unit A	Sec. 7 Twp. 22S Rge. 37E
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Oil Dual				Packer Set At 3360		County Lea	
Producing Thru Casing		Reservoir Temp. °F 60°		Mean Annual Temp. °F 60°		Baro. Press. - P _a 13.2	
State New Mexico							
L 2612	H 2612	G _g .787	% CO ₂ -	% N ₂ -	% H ₂ S -	Prover X	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							320				72
1.	2 x 1/16			261		48	291	48			1
2.	2 x 3/32			220		48	220	48			1
3.	2 x 1/8			180		47	130	47			1
4.	2 x 7/32			113		54	113	54			1
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	.06405		274.2	1.012	1.127	1.045	21
2	.1410		232.2	1.012	1.127	1.038	39
3	.2648		193.2	1.013	1.127	1.030	60
4	.6082		126.2	1.006	1.127	1.000	87
5							

NO.	F _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio TSTM Mcf/bbl.	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.	Specific Gravity Separator Gas .787 X X X X X X X X	Specific Gravity Flowing Fluid X X X X X	Critical Pressure 666 P.S.I.A. P.S.I.A.	Critical Temperature 418 °R °R
1.	.41	508	1.21	.916						
2.	.35	508	1.21	.928						
3.	.29	507	1.21	.942						
4.	.19	514	1.23	-						
5.										

NO.	P _c ²	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1	332.2	110.4	274.2	1.168	1.168
2			232.2		
3			193.2		
4			126.2		
5					

Absolute Oper. Flow 102 Mcfd @ 15.025		Angle of Slope @ 45°		Slope, n 1.000	
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Remarks: **Friction negligible**

Approved By Commission <i>[Signature]</i>	Conducted By <i>[Signature]</i>	Calculated By <i>[Signature]</i>	Checked By
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