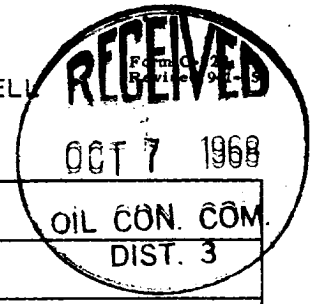


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL



Type Test ☒ Initial ☐ Annual ☐ Special					Test Date	
Company Wynn & Brooks - Fulton				Connection No Pipeline Connection		
Pool Basin Dakota				Formation Dakota		Unit
Completion Date 9-15-68		Total Depth 6644		Plug Back TD 6635	Elevation 5867 K.B.	Farm or Lease Name Federal "M"
Csq. Size 5.500	Wt. 15.50	d 4.950	Set At 6644	Perforations: From 6470 To 6625		Well No. 1
Tbg. Size 1.900	Wt. 2.76	d 1.610	Set At 6537	Perforations: From 6529 To 6537		Unit Sec. Twp. Rge. N 3 27N 8W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Multiple				Packer Set At 6365		County San Juan
Producing Thru Tubing		Reservoir Temp. °F 150 • 6644		Mean Annual Temp. °F 60		State New Mexico
L 6529	H 6529	G _g Est 0.700	% 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
1.	3/4" T.C. Choke					68	1904		Packer		SI 10 days
2.							135				3 hrs.
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	12.3650		147	0.9924	0.9258	1.017	1.698
2.							
3.							
4.							
5.							

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

P _c 1916	P _c ² 3,671,056		
NO.	P _t ²	P _w	P _c ² - P _w ²
1		492	242,643
2			3,428,413
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.071$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.788$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0528$$

Absolute Open Flow 1,788	Mcfd @ 15.025	Angle of Slope @ --	Slope, n 0.75
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Remarks:

Approved By Commission:	Conducted By: Ewell N. Walsh, P.E.	Calculated By: Ewell N. Walsh, P.E.	Checked By:
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