

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 2-5-69	
Company Wynn & Brooks - Fulton		Connection No pipeline connection	
Pool Basin Dakota		Formation Dakota	
Completion Date		Total Depth 6731	Plug Back TD 6675
		Elevation 5947 KB	Farm or Lease Name Federal R
Csg. Size 5.5	Wt. 15.5	d 4.950	Set At 6724
Perforations: From 6514 To 6662		Well No. 1	
Tbg. Size 1.90	Wt. 2.76	d 1.610	Set At 6640
Perforations: From To		Unit Sec. Twp. Rge. A 15 27N 8W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple GG - Dual		Packer Set At 6402	County San Juan
Producing Thru Tubing	Reservoir Temp. °F 60	Mean Annual Temp. °F 60	Baro. Press. - P _a 12.00
State New Mexico			
L 6640	H 6640	Gg Est. .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						1031				
2.							61	62°	Packer		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		73	.9981	.9258		834
2.							
3.							
4.							
5.							

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

P _c 1043	P _c ² 1,087,849	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0614$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0457$
NO.	P _t ²	P _w	P _w ²
1		251	63,029
2			
3			
4			
5			

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 872$

Absolute Open Flow 872	Mcf/d @ 15.025	Angle of Slope ϕ _____	Slope, n .75
Remarks: _____			

Approved By Commission:	Conducted By: David L. Collis	Calculated By: David L. Collis	Checked By:
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