

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

RECEIVED
FEB 11 1969
OIL CON. COM.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 2-5-69	
Company Wynn & Brooks - Fulton			Connection No Pipeline Connection		
Pool Blanco Mesa Verde			Formation Mesa Verde		
Completion Date		Total Depth 6731		Plug Back TD 6675	
		Elevation 5947 KB		Farm or Lease Name Federal R	
Csg. Size 5.50	Wt. 15.5	d 4.950	Set At 6724	Perforations: From 3815 To 4562	
Tbg. Size 1.90	Wt. 2.76	d 1.610	Set At 4331	Perforations: From To	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple GG - Dual				Packer Set At 6402	
Producing Thru Tubing		Reservoir Temp. °F #		Baro. Press. - P _a 12.00	
Mean Annual Temp. °F 60		State New Mexico			
L 4331	H 4331	G _g Est. .650	% 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			202			1000	58°	1007		
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.	12.3650		214	1.0019	.9608	1.022	2603
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 _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 1019	P _c ² 1,038,361	
NO.	P _t ²	P _w ²
1	719	516,961
2		
3		
4		
5		

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.9914$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4,363$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.6763$$

Absolute Open Flow 4,363	Mcf/d @ 15.025	Angle of Slope θ _____	Slope, n .750
Remarks: _____			
Approved By Commission:	Conducted By: David L. Collis	Calculated By: David L. Collis	Checked By:

