

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 10-10-69	
Company Wynn & Brooks				Connection		
Pool Blanco Mesa Verde				Formation Mesa Verde		Unit
Completion Date 10-2-69		Total Depth 6682		Plug Back TD 6675		Elevation 5938 KB
Farm or Lease Name Federal "D"						Well No. 1
Csg. Size 5.50	Wt. 15.50	d 4.950	Set At 6682	Perforations: From 4424 To 4695		
Thq. Size 1.90	Wt. 2.76	d 1.610	Set At 4487	Perforations: From 4479 To 4487		Unit G
Type Well - Single - Bradenhead - G.G. or G.O. Multiple GG Dual				Packer Set At 6390		County San Juan
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F		State New Mexico
L 4487	H 4487	Gg .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	
SI							1037		1037		
1.	3/4" TC Choke						169		632	58	3 hrs.
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		181	1.0019	.9608	1.012	2,180
2.							
3.							
4.							
5.							

NO.	P _r	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 _____ 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

$P_c = 1049$ $P_c^2 = 1,100,401$					$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.6048$		$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.4257$	
NO.	P _c ²	P _w	P _w ²	P _c ² - P _w ²				
1		644	414,736	685,665				
2								
3								
4								
5								

$ACF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3,108$				
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Absolute Open Flow <u>3,108</u> Mcfd @ 15.025		Angle of Slope θ _____		Slope, n <u>.75</u>	
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Remarks: _____					
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Approved By Commission:	Conducted By:	Calculated By: David L. Collis	Checked By: Ewell N. Walsh
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