

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 Basin Dakota				Formation Dakota				Unit	
Completion Date 10-2-69		Total Depth 6699		Plug Back TD 6667		Elevation 5940 KB		Farm or Lease Name Federal "I"	
Csg. Size 5½	Wt. 15.50	d 4.950	Set At 6699	Perforations: From 6529 To 6662		Well No. 1			
Tbg. Size 1.90	Wt. 2.76	d 1.610	Set At 6605	Perforations: From 6597 To 6605		Unit N	Sec. 15	Twp. 27	Rge. 8
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Dual						Packer Set At 6398		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F 6		Mean Annual Temp. °F 60		Baro. Press. - P _a 12.00		State New Mexico	
L 6605	H 6605	Gg .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.	
SI							1920			
1.	3/4" TC Choke						50	62	Packer	
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		62	.9981	.9258		708
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 _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 1932	P _c ² 3,732,624	
NO.	P _i ²	P _w ²
1	3844	207
2		
3		
4		
5		

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0104$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0077$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 713$$

Absolute Open Flow 713 Mcfd @ 15.025	Angle of Slope @ _____	Slope, n .75
Remarks: _____		

Approved By Commission:	Conducted By:	Calculated By: David L. Collis	Checked By: Ewell N. Walsh
-------------------------	---------------	-----------------------------------	-------------------------------



--	--	--	--