

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 4-29-75	
Company UNION OF TEXAS				Connection -	
Pool BLANCO				Formation MESA VERDE	
Completion Date		Total Depth 5687		Elevation -	
Farm or Lease Name JOHNSTON FEDERAL					
Cas. Size 4 1/2	Wt. 11.6	d 4.0	Set At 5687	Perforations: From 4914 To 5416	
Thg. Size 2 1/16	Wt. 3.4	d 1.75	Set At 5468	Perforations: From - To 5468	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At -	
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F	
		Baro. Press. - P _a		State New Mexico	
L	H	G _g .680	% CO ₂	% N ₂	% H ₂ S
		Prover X	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.	2	X	.75	44	-	42	355	44	358	349	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, F _{sp}	Rate of Flow Q, Mcfd
1	11	-	56	1.018	1.213	1.00	
2							
3							
4							
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1	.08	502	1.30	0.988				XXXXX		
2										
3										
4										
5										

P _c 370 P _c ² 136900		(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 20.8086$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 9.7428$	
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²	
1	3136	361	130321	6579	
2					
3					
4					
5					

Absolute Open Flow 7453 Mcfd @ 15.025		Angle of Slope		Slope, n .75	
Remarks: Flow through 6" choke nipple					
No fluid.					

Approved By Commission:	Conducted By: Engineering & Production Service	Calculated By: J. D. Hicks	Checked By:
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