

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 7-18-75			
Company UNION OF TEXAS		Connection -			
Pool BLANCO		Field No. MESA VERDE		Unit -	
Completion Date -		Total Depth 5486		Elevation 6264	
Casing Size 4 1/2		Set At 5468		Perforations: From 4713 To 5404	
Thg. Size 2-3/8		Set At 5357		Perforations: From 5353 To 5357	
Well - Single or Graduated - G.G. or G.O. Multiple Single		Packer Set At -		County San Juan	
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 XX		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	.750	302		40	700		751		3 hrs.
2.							302		695		
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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	11		314	1.020	1.213	1.041	4449
2							
3							
4							
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1	0.47	500	1.30	.923	A.P.I. Gravity of Liquid Hydrocarbons	Deg.
2					Specific Gravity Separator Gas	XXXXX
3					Specific Gravity Flowing Fluid	XXXXX
4					Critical Pressure	P.S.I.A.
5					Critical Temperature	R

P _c 763 P _c ² 582,169			
NO	P _r ²	P _w	P _w ²
1	98596	707	499849
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{582,169}{82,320}$

ACF = $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 19,294$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4.3367$

Absolute open flow	19,294	Mcf @ 15.025	Angle of Slope °	Slope, n .75
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Remarks: Flow through 6" choke nipple. Well produced some fluid at beginning of test, the gas flow was dry at end of test.

Approved By Commission:	Conducted By: Engineering Production Serv., Inc.	Calculated By: J. D. Hicks	Checked By:
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