

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 9/21/84	
Company Union Texas Petroleum Corp.		Connection Gas Company of New Mexico	
Pool Blanco		Formation Mesaverde	
Completion Date 8/20/84		Total Depth 8743	
Plug Back TD 6838		Elevation 7333	
Cng. Size 7.625 5.500		Well No. 7	
Wt. 26.40 15.50		Set At 4225 4091-8467	
Perforations: From 5640 To 6346		Perforations: From 6308 To 6316	
Tbg. Size 1.900		Wt. 2.90	
d 1.610		Set At 6316	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At NA	
Producing Thru Tubing		Baro. Press. - P _a 12	
Reservoir Temp. °F @		Mean Annual Temp. °F @	
L 6298		H 0.650	
G _g		% 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.	2"		3/4"				686		685		7 days
2.							102	52°	491		3 hours
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		114	1.0078	0.9608	1.011	1380
2.							
3.							
4.							
5.							

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

P _c 698 P _c ² 487,204		(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.0803$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.7322$	
NO.	P _w	P _w ²	P _c ² - P _w ²		
1.	503	253,009	234,195		
2.					
3.					
4.					
5.					

Absolute Open Flow 2390 Mcfd @ 15.025		Angle of Slope @ _____		Slope, n 0.75	
Remarks: Well was very wet for the first two hours and moderately wet for the last one					
Approved By Commission:		Conducted By: Bruce Voiles		Calculated By: Ken Roddy	
				Checked By:	