

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 7/2/84		JUL 09 1984 OIL CON. DIST. 3			
Company Union Texas Petroleum Corp.				Connection El Paso Natural Gas Company					
Pool Blanco				Formation Mesaverde					
Completion Date 2/3/84		Total Depth 7225		Plug Back TD 7172		Elevation 6312		Farm or Lease Name State Com	
Crg. Size See Remarks		Set At		Perforations: From 4435 To 5104				Well No. 1-F	
Thq. Size 2.375		Wt. 4.70		d 1.995		Set At 5083		Perforations: From 5027 To 5033	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual - Gas - Gas				Packer Set At 5224				County San Juan	
Producing Thru Tubing		Reservoir Temp. °F a		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L 5008		H		Gg 0.670		% 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	2"		3/4"				974		978		14 days
1.							211	63°	517		3 hours
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	12.3650		223	0.9971	0.9463	1.023	2662
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.
1.					Specific Gravity Separator Gas _____	X X X X X X X X
2.					Specific Gravity Flowing Fluid _____	X X X X X
3.					Critical Pressure _____ P.S.I.A.	P.S.I.A.
4.					Critical Temperature _____ R	R
5.						

NO.	P _r ²	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} =$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n =$
1	990	529	700,259	1.3996	1.2867
2					
3					
4					
5					

AOG = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n =$ 3425

AOG = Q _____

Absolute Open Flow 3425		Mcf @ 15.025		Angle of Slope @ _____		Slope, n 0.75	
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Remarks:	9.625	40.00#	8.835	4160
	7.000	23.00#	6.366	3330 - 6539
	4.500	11.60#	4.000	6417 - 7224

Approved by Commission:	Conducted by: Bruce Voiles	Calculated by: Ken Roddy	Checked by:
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