

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

DEC 13 1982
OIL CON. COM.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 11/30/82							
Company Union Texas Petroleum Corp.				Connection Gas Company of New Mexico							
Pool Basin				Formation Dakota							
Completion Date 10/4/82		Total Depth 8358		Plug Back TD 8329							
				Elevation 7262							
Farm or Lease Name Jicarilla "F"				Well No. 7							
Casing Size 5.500		Wt. 15.50		Perforations: From 8050 To 8284							
Tubing Size 2.375		Wt. 4.70		Perforations: Open-ended							
				From To							
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual - Gas - Gas				Packer Set At 6129							
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F 12							
County Rio Arriba		State New Mexico									
L 8125		H 0.700		Gg %							
CO ₂		N ₂		H ₂ S							
Prover		Meter Run		Taps							
FLOW DATA			TUBING DATA		CASING DATA						
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI	2"		3/4"				1543				7 Days
1.							150	60°			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, Fpv	Rate of Flow Q, Mcfd				
1	12.3650		162	1.0000	0.9258	1.019	1890				
2.											
3.											
4.											
5.											
NO.	P _t	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 _____ X X X X X X X X						
3.					Specific Gravity Flowing Fluid _____ X X X X X						
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.						
5.					Critical Temperature _____ R _____ R						
P _c 1555 P _c ² 2,418,025											
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0583$						
1			133,288	2,284,737	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0433$						
2											
3											
4											
5											
Absolute Open Flow 1972					Mcf @ 15.025			Angle of Slope 45		Slope, n 0.75	
Remarks:											
Approved by Commission:				Conducted by: Bruce Voiles				Calculated by: Kenneth E. Roddy			
Checked by:											