

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS

RECEIVED
FEB 27 1985

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 11/20/84	
Company Tenneco Oil Company		Connection	
Pool Basin		Formation Dakota	
Completion Date		Total Depth 6860	Plug Back TD 6826
Elevation		Farm or Lease Name Warren	
Csq. Size / Wl. 4 1/2	d	Set At 3635 6857	Perforations: From 6624 To 6788
Trq. Size 2 3/8	d	Set At 6705	Perforations: From To
Type Well - Single - Bradenhead - G.C. or G.O. Multiple		Packer Set At	County San Juan
Producing Thru	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. - P _a
State New Mexico			
L	H	Gg .700	% 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							1735		1800		
1.	2 x 6 x .75						136		358	52	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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	11		148	1.008	1.195	1.0179	1996
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.	.22	512	1.30	.965	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

r _c 1812	P _c ² 3283344					
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0435$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0324$
1		370	136900	3146444		
2						
3						
4						
5						

Absolute Open Flow 2060		Mcf @ 15.025	Angle of Slope @	Slope, n .75
Remarks:				

Approved By Division	Conducted By:	Calculated By:	Checked By:
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