

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 6-15-67		
Company Tenneco Oil Co.				Connection			
Pool Basin Dakota				Formation Dakota		Unit	
Completion Date		Total Depth 7032		Plug Back TD 7020		Elevation 6106	
Csg. Size 4 1/2		Wt.	d	Set At 7030		Perforations: From 6814 To 7004	
Tbg. Size 2 3/8		Wt.	d	Set At 7006		Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At 1110x		
Producing Thru THG.		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12.0	
L		H	Gg	% CO ₂	% N ₂	% H ₂ S	
Prover		Meter Run		Taps			
FLOW DATA						TUBING DATA	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	
1.	2	x	3/4				
2.							
3.							
4.							
5.							
Casing Data						Duration of Flow	
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		361	1.000	.9608	1.037	4451
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 _____		
3.					Specific Gravity Plant Gas _____		
4.					Critical Pressure _____ P.S.I.A.		
5.					Critical Temperature _____ R		
RECEIVED JUN 15 1967 OIL CON. COM. DIST. 3							
$P_c = 1738$ $P_c^2 = 3020644$							
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.4312$		
1.		954	910116	2110528	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3085$		
2.							
3.							
4.							
5.							
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 5824$							
Absolute Open Flow 5824				Mcf @ 15.025		Angle of Slope θ	
Slope, n .75							
Remarks:							
Approved By Commission:		Conducted By:		Calculated By: Neil Tefteller		Checked By: <i>[Signature]</i>	

Company TENNECO OIL COMPANY Lease WARREN COMM. Well No. 2
Field BASIN DAKOTA County SAN JUAN State NEW MEXICO
Formation DAKOTA Test Date JUNE 15, 1967

