

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 9-20-73	
Company Tenneco Oil Company		Connection	
Pool Basin Dakota		Formation Dakota	
Completion Date		Total Depth	Plug Back TD 6002
			Elevation 6356 GL
Csg. Size 4.5	Wt. d	Set At	Perforations: From 5826 To 5855
Tng. Size 2.375	Wt. d	Set At 5784	Perforations: From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single gas		Packer Set At	Form or Lease Name Canyon
Producing Thru Tbg	Reservoir Temp. °F 160 @ 5750	Mean Annual Temp. °F	Baro. Press. - P _a 12.0
L	H	Gg	% CO ₂ % N ₂ % H ₂ S
			Prover X
Meter Run		Taps	
County San Juan			
State New Mexico			

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.	
SI		-					1918		1915	
1.	2	X	3/4				452	60	902	
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		464	1.0000	.9608	1.049	5787
2.							
3.							
4.							
5.							

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

P _c 1930	P _c ² 3724900			
NO	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		914	835396	2889504
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2891$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 7001$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2098$

Absolute Open Flow	7001	Mcf/d @ 15.025	Angle of Slope θ	Slope, n 75
Remarks:				

Approved By Commission:	Conducted By: Teffteller, Inc.	Calculated By: Neil Teffteller	Checked By:
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Company TENNECO OIL COMPANY Lease CANYON Well No. 1
 Field BASIN DAKOTA County SAN JUAN State NEW MEXICO
 Formation DAKOTA Test Date SEPTEMBER 20, 1973

Status of Well Shut in

DEPTH Feet	PRESSURE Psig	GRADIENT Psi/Ft.
0	1918	
2000	2130	0.106
4000	2330	0.100
5150	2430	0.087
5450	2457	0.090
5750	2484	0.090
5840 Mid-Perf	2492	0.090

Datum Pressure Psig

