

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 11-11-73				
Company Tenneco Oil Co.				Connection					
Pool Basin Dakota				Formation Dakota				Unit	
Completion Date		Total Depth		Plug Back TD 5908		Elevation 6353		Farm or Lease Name Canyon	
Csq. Size 5 1/2	Wt.	d	Set At	Perforations: From 5855 To 5890			Well No. 6		
Tbg. Size 2 7/8	Wt.	d	Set At 5750	Perforations: From To			Unit Sec. Twp. Rge. 11 25 11		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single Gas					Packer Set At		County San Juan		
Producing Thru Tbg		Reservoir Temp. °F θ		Mean Annual Temp. °F		Baro. Press. - P _a 12.0		State New Mexico	
L	H	G _g	% CO ₂	% N ₂	% H ₂ S	Prover X	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							1714		1342		7
1.	2	X	3/4				872	60	1247		3 hrs
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		884	1.000	.9608	1.103	11586
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons <td>Deg.</td>	Deg.
2.					Specific Gravity Separator Gas <td>XXXXXXX</td>	XXXXXXX
3.					Specific Gravity Flowing Fluid <td>XXXXXXX</td>	XXXXXXX
4.					Critical Pressure <td>P.S.I.A.</td>	P.S.I.A.
5.					Critical Temperature <td>R</td>	R

P _c 1726 P _c ² 2979076				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		1259	1585081	1393995
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.1371$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 20,478$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.7675$

Absolute Open Flow	20478		Mcf/d @ 15.025	Angle of Slope θ	Slope, n	.75
Remarks:						

Approved By Commission:	Conducted By: Tefteller, Inc.	Calculated By: N. Tefteller	Checked By:
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Company TENNECO OIL COMPANY Lease CANYON Well No. 6
Field BASIN DAKOTA County SAN JUAN State NEW MEXICO
Formation DAKOTA Test Date NOVEMBER 11, 1973

PRESSURE POUNDS PER SQUARE INCH GAUGE

