

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		Unit	
Completion Date		Total Depth		Plug Back TD 6058		Elevation 6428 GL		Form or Lease Name Hu-Ne-Pah	
Csg. Size 4.5	Wt. d	Set At 6120	Perforations: From 5904-6 To 5913-41		Well No. 1				
Tbg. Size 2.375	Wt. d	Set At 5848	Perforations: From To		Unit Sec. Twp. Rge. 10 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 160 @ 5800		Mean Annual Temp. °F		Baro. Press. - P _a 12.0		State New Mexico	
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run X	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					
1.	2	X	3/4				1700		1702						
2.							482	60	977					3 hrs.	
3.															
4.															
5.															

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		494	1.0000	.9608	1.052	6170
2.							
3.							
4.							
5.							

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

P _c 1714	P _c ² 2937796			
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1.		989	978121	1959675
2.				
3.				
4.				
5.				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.4991$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 8359$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3548$

Absolute Open Flow	8359	Mcf/d @ 15.025	Angle of Slope θ	Slope, n .75
Remarks:				

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

PRESSURE POUNDS PER SQUARE INCH GAUGE

