

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: 2-4-74				
Company: Tenneco Oil Company					Connection:				
Pool: Basin Dakota					Formation: Dakota		Unit:		
Completion Date:		Total Depth:		Plug Back TD: 6326		Elevation:		Farm or Lease Name: Hanson	
Csg. Size: 5 1/2	Wt.:	d:	Set At: 6370	Perforations: From 6190-94 To 6203-20			Well No.: 2		
Tbg. Size: 2 7/8	Wt.:	d:	Set At: 6079	Perforations: From To			Unit: 6	Sec. 25	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single gas					Packer Set At:		County: San Juan		
Producing Thru Tubing:		Reservoir Temp. °F: 169 @ 6050		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:	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	14 days						1992		2065	
1.	2	x	3/4				484	60	802	7d 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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		496	1.0000	.9608	1.052	6195
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 _____ 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

P _c 2077	P _c ² 4313929	
NO.	P _r ²	P _w ²
1	814	662596
2		
3		
4		
5		

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.1815$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1332$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 7020$$

Absolute Open Flow: 7020 Mcfd @ 15.025 Angle of Slope: θ

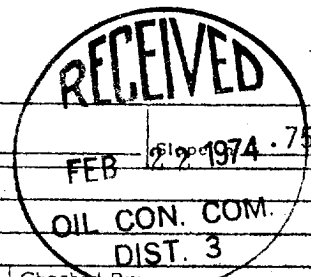
Remarks: _____

Approved By Commission: _____

Conducted By: Tefteller, Inc.

Calculated By: N. Tefteller

Checked By: _____



**STELLER, INC.**reservoir engineering data
MIDLAND, TEXASPage 1 of 2
File 2-5474-AOF

Company TENNECO OIL COMPANY Lease HANSON Well No. 2
Field BASIN DAKOTA County SAN JUAN State NEW MEXICO
Formation DAKOTA Test Date FEBRUARY 4, 1974

