

**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 6-9-67	
Company Tennessee Oil Co.				Connection		
Pool Basin Dakota				Formation Dakota		Unit
Completion Date		Total Depth		Plug Back TD	Elevation	Farm or Lease Name Hicorilla A
Csg. Size 4.5	Wt.	d	Set At	Perforations: From To		Well No. 8
Tbg. Size 2.375	Wt.	d	Set At 7290	Perforations: From To		Unit Sec. Twp. Rge. H 17-26N-5W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual Gas - Oil					Packer Set At * 7290	
Producing Thru C.G.		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a 12.0
L		H	G _g	% CO ₂	% N ₂	% H ₂ S
						Prover
						Meter Run
						Taps
FLOW DATA				TUBING DATA		CASING 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.						
						Duration of Flow 3 hrs.
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}
1.	12.3650		244	1.000	.9608	1.024
2.						
3.						
4.						
5.						
NO.	P _t	Temp. °R	RECEIVED AUG 22 1967 OIL CON. COM. DIST. 3			
1.			Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.			
2.			A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.			
3.			Specific Gravity Separator Gas _____ X X X X X X X X			
4.			Specific Gravity Flowing Fluid _____ X X X X X			
5.			Critical Pressure _____ P.S.I.A. _____ P.S.I.A.			
			Critical Temperature _____ R _____ R			
P _c 2309	P _c ² 5331481		$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.0299}{1.0299 - 1.0193} = 1.0299$			
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1.0299}{1.0299 - 1.0193} = 1.0293$	
1.	59536	357	134675	5196806		
2.						
3.						
4.						
5.						
$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3025$						
Absolute Open Flow 3025 Mcfd @ 15.025				Angle of Slope θ _____		Slope, n .75
Remarks: * Baker Model "H" Packer w/ X over at 6152						
Approved By Commission:		Conducted By:		Calculated By: Neil Tusteller		Checked By: <i>[Signature]</i>