

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-65

RECEIVED

DEC 27 1967

OIL CON. COM.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 12-6-67	
Company Tenneco Oil Co.				Connection			
Pool Basin Dakota				Formation Dakota		Unit	
Completion Date		Total Depth		Plug Back TD 6745		Elevation 6278	
Farm or Lease Name Morris Com.				Well No.			
Csg. Size 4 1/2	Wt. 	d 	Set At 6787	Perforations: From 6566 To 6714		Unit Sec. Twp. Rge. J 10 27 10	
Thq. Size 2 3/8	Wt. 	d 	Set At 6700	Perforations: From To		County San Juan	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single				Packer Set At		State New Mexico	
Producing Thru Tbg		Reservoir Temp. °F 		Mean Annual Temp. °F		Baro. Press. - P _a 12.0	
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
1.	2 x 3/4						1715		1780		3 Hrs
2.							380	60	881		
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		392	1.000	.9608	1.041	4847
2.							
3.							
4.							
5.							

NO.	P _t	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 1792	P _c ² 3211264		
NO.	P _t ²	P _w	P _w ² P _c ² - P _w ²
1		893	797449 2413815
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.3304}{1.2388}$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2388$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 6004$$

Absolute Open Flow 6004 Mcfd @ 15.025	Angle of Slope θ _____	Slope, n .75
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Remarks: _____

Approved By Commission:	Conducted By:	Calculated By: Neil Tefteller	Checked By:
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Company TENNECO OIL COMPANY Lease MORRIS COM. Well No. 1
 Field BASIN DAKOTA County SAN JUAN State NEW MEXICO
 Formation DAKOTA Test Date DECEMBER 6, 1967

