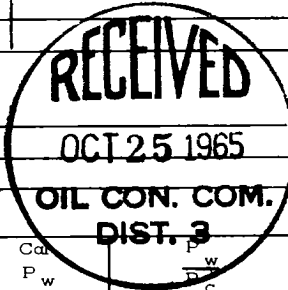


NEW MEXICO OIL CONSERVATION COMMISSION  
MULTI-POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122  
Revised 12-1-55

Pool <b>Basin Dakota</b>			Formation <b>Dakota</b>			County <b>San Juan</b>			
Initial <b>X</b>		Annual		Special		Date of Test <b>10-7-65</b>			
Company <b>Tenneco Oil Co.</b>			Lease <b>Florange</b>			Well No. <b>39</b>			
Unit	Sec. <b>35</b>	Twp. <b>30 N</b>	Range <b>8 W</b>		Purchaser				
Casing <b>4 1/2</b>	Wt.	I.D.	Set at <b>7320</b>		Perf. <b>7083</b>	To <b>7220</b>			
Tubing <b>2 3/8</b>	Wt. <b>6.7</b>	I.D.	Set at <b>7020</b>		Perf.	To			
Gas Pay:	From	To	L <b>.697</b>	G	GL <b>4563</b>	Bar. Press. <b>12.0</b>			
Producing Through:		Casing	Tubing <b>X</b>		Type Well - Single - Braden head - G.G. or G.O. Dual <b>Dual Gas - Gas</b>				
Date of Completion		Packer <b>7020</b>		Reservoir Temp.					
OBSERVED DATA									
Tested Through: Prover <input type="checkbox"/> Choke <input checked="" type="checkbox"/> Meter <input type="checkbox"/>						Type of Taps			
FLOW DATA					TUBING DATA		CASING DATA		DURATION OF FLOW HR.
No.	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h <sub>w</sub>	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.
1.		<b>3/4</b>				<b>2440</b>			
2.						<b>291</b>	<b>85</b>		
3.									
4.									
5.									
FLOW CALCULATIONS									
No.	Coefficient (24 Hour)	$\sqrt{h_w P_f}$	Pressure psia	Flow Temp. Factor $F_t$	Gravity Factor $F_g$	Compress. Factor $F_{pv}$	Rate of Flow Q-MCF P D @ 15.025 psia		
1.	<b>12.3650</b>		<b>303</b>	<b>.9748</b>	<b>.9608</b>	<b>1.026</b>	<b>3608</b>		
2.									
3.									
4.									
5.									
PRESSURE CALCULATIONS									
Gas Liquid Hydrocarbon Ratio _____ cf/bbl.					Specific Gravity Separator Gas _____				
Gravity of Liquid Hydrocarbons _____ deg.					Specific Gravity Flowing Fluid _____				
$F_c$ <b>9.402</b> (1-e <sup>-S</sup> ) <b>0.282</b>					$P_c$ <b>2452</b> $P_c^2$ <b>6012304</b>				
No.	$\frac{P_w}{P_t}$ psia	$P_t^2$	$F_c Q$	$(F_c Q)^2$	$(F_c Q)^2 (1-e^{-S})$	$P_w^2$	$P_c^2 - P_w^2$	Car P <sub>w</sub>	$\frac{P_w}{P_c}$
1.									
2.	<b>303</b>	<b>91.809</b>	<b>33.922</b>	<b>1150.702</b>	<b>324.498</b>	<b>416.307</b>	<b>5595997</b>	<b>645</b>	
3.									
4.									
5.									



ABSOLUTE POTENTIAL: **3808** MCFPD;  $n$  **.75 1.0553**

COMPANY **Tenneco Oil Company** WITNESSED \_\_\_\_\_

ADDRESS **P. O. Box 1714 - Durango, Colorado** COMPANY \_\_\_\_\_

AGENT AND TITLE *J. E. Massey*  
**J. E. Massey**  
District Production Engineer