NEW MEXICO OIL CONSERVATION COMMISSION

MULTI-POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 12-1-55

Pool	Formation	County
Basin Dakota	Dakota	San Juan

Initial	Annual	Special	Date of Test
X			11-3-65

Company	Lease	Well No.
Tenneco Oil Co.	Prichard	1

Unit	Sec.	Twp.	Range	Purchaser
	1	30N	9W	

Casing	Wt.	I.D.	Set at	Perf.	To
4.5	10.5		7300	7033	7260

Tubing	Wt.	I.D.	Set at	Perf.	To
2 3/8	4.7		6975		

Gas Pay:	From	To	L	G	GL	Bar. Press.
				.65	4534	12.0

Producing Through:	Casing	Tubing	Type Well – Single – Braden head – G.G. or G.O. Dual
		X	Dual Gas

Date of Completion	Packer	Reservoir Temp.
	6975	190

OBSERVED DATA

Tested Through: Prover ☐ Choke ☒ Meter ☐ Type of Taps

No.	FLOW DATA (Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h_w	Temp. °F.	TUBING DATA Press. psig.	Temp. °F.	CASING DATA Press. psig.	Temp. °F.	DURATION OF FLOW HR.
SI						1943				
1.		3/4				132	78			3 Hr
2.										
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 PD @ 15.025 psia
1.	12.3650		144	.9837	.9608	1.013	1406
2.							
3.							
4.							
5.							

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OIL CON. COM.
DIST. 3

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
F_c 9.402 $(1-e^{-s})$ 0.281

Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
P_c 1955 P_c^2 3822025

No.	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	$P_c^2 - P_w^2$	Cal P_w	$\frac{P_w}{P_c}$
1.	144	20736	16.040	257.282	72.296	93.032	3728993		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: 1734 MCFPD; n .75 (1.0186)

COMPANY Tenneco Oil Company WITNESSED _____

ADDRESS P. O. Box 1714 - Durango, Colorado COMPANY _____

AGENT AND TITLE J. E. Massey
District Production Engineer