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			10-7-65

Company	Lease	Well No.
Tenneco Oil Co.	Florance	39

Unit	Sec.	Twp.	Range	Purchaser
	35	30 N	8 W	

Casing	Wt.	I.D.	Set at	Perf.	To
4 1/2			7320	7083	7220

Tubing	Wt.	I.D.	Set at	Perf.	To
2 3/8	4.7		7020		

Gas Pay: From	To	L	G	GL	Bar. Press.
			.650	4563	12.0

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

Date of Completion	Packer	Reservoir Temp.
	7020	

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						2440				
1.		3/4				291	85			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 P D @ 15.025 psia
1.	12.3650		303	.9768	.9608	1.026	3608
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
F_c 9.402 $(1-e^{-S})$ 0.282

Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
P_c 2452 P_c^2 6012304

RECEIVED
OCT 25 1965
OIL CON. COM.
DIST. 3

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	$P_c^2 - P_w^2$	Ca P_w	$\frac{P_w}{P_c}$
1.	303	91.809	33.922	1150.702	324.498	416.307	5595997	645	
2.									
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