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			10-10-65

Company	Lease	Well No.
Tenneco Oil Co.	Omler	A-4

Unit	Sec.	Twp.	Range	Purchaser
M	25	28 N	10 W	

Casing	Wt.	I.D.	Set at	Perf.	To
4.5	10.5		6555	6307	6471

Tubing	Wt.	I.D.	Set at	Perf.	To
2.375	4.7		6405		

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

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

Date of Completion	Packer	Reservoir Temp.
		170

OBSERVED DATA

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

	FLOW DATA					TUBING DATA		CASING DATA		DURATION OF FLOW
No.	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h_w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	HR.
SI						1861		1867		
1.		3/4				527	70	1134		3 hrs
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		569	.9905	.9608	1.057	7327
2.							
3.							
4.							
5.							

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

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
Specific Gravity Separator Gas _____
Gravity of Liquid Hydrocarbons _____ deg.
Specific Gravity Flowing Fluid _____
P_c _____ $(1-e^{-S})$ _____
P_c 1879 P_c^2 3530641

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.	1146					1313316	2217325		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: 10,387 MCFPD; n .75 (1.4177)

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