

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

Form C-122
Revised 12-1-55

Pool Undesignated P.C.		Formation Pictured Cliffs		County San Juan	
Initial X		Annual		Date of Test 6-12-66	
Company Tenneco Oil Co.		Lease Hammer		Well No. 8	
Unit L	Sec. 29	Twp. 29	Range 9	Purchaser	
Casing 3.5	Wt. 7.7	I.D. 3.068	Set at 2258	Perf. 2128	To 2164
Tubing	Wt.	I.D.	Set at	Perf.	To
Gas Pay:	From	To	L	G .650	GL 1382 Bar. Press. 12.0
Producing Through:		Casing X	Tubing	Type Well - Single - Braden head - G.G. or G.O. Dual Single	
Date of Completion		Packer		Reservoir Temp. 96	

OBSERVED DATA

Tested Through: Prover ☐ Choke ☒ Meter ☐								Type of Taps		
FLOW DATA						TUBING DATA		CASING DATA		DURATION OF FLOW HR.
No.	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
1.		3/4						730		3 Hr.
2.								267	60	
3.										
4.										
5.										

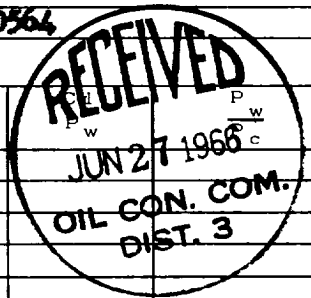
FLOW CALCULATIONS

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		279	1.000	.9608	1.029	3413
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 **3.055** (1-e^{-S}) **0.096** P_c **742** P_c² **550964**

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
1.	279	77841	10427	108722	10437	88278	462286
2.							
3.							
4.							
5.							



ABSOLUTE POTENTIAL: **3959** MCFPD; n **.85** **1.1601**

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

Company **TENNECO OIL COMPANY**
 Field **UNDESIGNATED PICTURED CLIFFS**
 Formation **PICTURED CLIFFS**

Well No. **8**
 State **NEW MEXICO**
 Date **JUNE 12, 1966**

Status of Well **Shut in 11 days**

DEPTH Feet	PRESSURE Psig	GRADIENT Psi/Ft.
0	730	
1000	749	0.019
1750	765	0.021
1950	769	0.020
2150	773	0.020

1600
 1400
 1200
 Datum Pressure Psig

1000

800

600

400

200

0

500

1000

1500

2000

2500

3000

3500

DEPTH, FEET



* 733-267

Elev.	Datum	Ft
Total Depth	Perf.	2128-2164 Ft
Tubing	in. to	Ft
Casing	3 1/2 in. to	2258 Ft
Casing Press.	*	Tubing Press
Oil Level	Water Level	
Temperature	96	Ft 2150 Ft
Element No.	15065-N	Range 0-2100
Last Test Date		
Pressure Last Test Date		Psig
B.H.P. Change		Psi

PRESSURE POUNDS PER SQUARE INCH GAUGE