

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

Form C-122
Revised 12-1-55

Pool Undesignated Gallup		Formation Gallup			County Rio Arriba	
Initial I		Annual		Special		Date of Test 12-21-65
Company Tenneco Oil Co.			Lease Jicarilla A			Well No. 45
Unit G	Sec. 20	Twp. 26N	Range 5W		Purchaser	
Casing 5 1/2	Wt.	I.D.	Set at 7600		Perf. 6756	To 6780
Tubing 2 1/16	Wt.	I.D.	Set at 6700		Perf.	To
Gas Pay:	From	To	L	G .650	GL	Bar. Press. 12.0
Producing Through:			Casing	Tubing	Type Well - Single - Braden head - G.G. or G.O. Dual Dual Gas	
Date of Completion		Packer X			Reservoir Temp. 167	

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 _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	
1.		3/4				1702		1736	
2.						525	60	1587	3 Hrs
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		537	1.000	.9608	1.058	6751
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 _____ (1-e^{-S}) P_c **1748** P_c² **3055504**

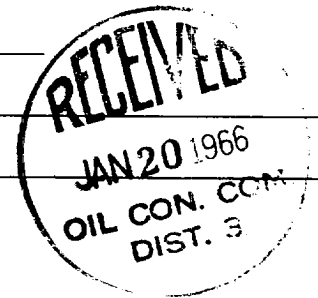
No.	$\frac{P_w}{P_t}$ psia	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-S})	$\frac{P_w^2}{w}$	P _c ² - P _w ²	Cal P _w	$\frac{P_w}{P_c}$
1.	1599					2556801	498703		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **26290** MCFPD; n **.75 (3.8943)**

COMPANY **Tenneco Oil Company** WITNESSED _____

ADDRESS **P. O. Box 1814, Durango, Colorado** COMPANY _____

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





EFTELLER, INC.

reservoir engineering data
MIDLAND, TEXAS

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File 2-1774-AOF

Company TENNECO OIL COMPANY Lease JICARILLA Well No. A-5
 Field UNDESIGNATED GALLUP County RIO ARRIBA State NEW MEXICO
 Formation GALLUP Test Date DECEMBER 21, 1965

PRESSURE POUNDS PER SQUARE INCH GAUGE

