TABULATION OF DEVIATION TESTS

TENNECO OIL COMPANY

DEPTH	INCLINATION
4750'	1-1/4°
5130	1°
5426'	1°
5766'	1-1/4°

A F F I D A V I T

THIS IS TO CERTIFY that to the best of my knowledge, the above tabulation details the deviation test taken on TENNECO OIL COMPANY's

Canyon #3, Unit Letter G, 1820' FNL and 1690' FEL
Sec. 5, T25N, R11W, San Juan County, New Mexico
Basin Dakota Pool.

Signed _____
Agent

THE STATE OF COLORADO)
)
CITY AND COUNTY OF DENVER)

BEFORE ME, the undersigned authority, on this day, personally appeared, Dennis W. Miller known to me to be an Agent for Tenneco Oil Company, and to be the person whose name is subscribed to the above statement, who, being by me duly sworn on oath, states that has knowledge of the facts stated herein and, that said statement is true and correct.

SUBSCRIBED AND SWORN TO before me, a Notary Public in and for said County and State this

_____

My commission expires

LTR

Job separation sheet

NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [x] Initial [ ] Annual [ ] Special				Test Date: 10-5-73	
Company: Tenneco Oil Co.			Connection:		
Pool: Basin Dakota			Formation: Dakota		Unit:
Completion Date:	Total Depth:		Plug Back TD: 5871	Elevation: 6271	Farm or Lease Name: Canyon
Csg. Size: 5 1/2 / Wt.: / d: / Set At:			Perforations: From 5768 To 5802		Well No.: 3
Tbg. Size: 2 7/8 / Wt.: / d: / Set At: 5683			Perforations: From To		Unit: / Sec.: 5 / Twp.: 25 / Rge.: 11
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single Gas			Packer Set At:		County: San Juan
Producing Thru: Tbg	Reservoir Temp. °F: @	Mean Annual Temp. °F:	Baro. Press. – P_a: 12.0		State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
						X		

	FLOW DATA				TUBING DATA		CASING DATA		
NO.	Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI					1930		2005		7d
1.	2 x 3/4				393	60	707		3 hrs.
2.									
3.									
4.									
5.									

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.3650		405	1.000	.9608	1.042	5007
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_r	Z
1				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXXX
Specific Gravity Flowing Fluid _____ XXXXX
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

RECEIVED
OCT 26 1973
OIL CON. COM.
DIST. 3

P_c 2017 P_c^2 4068289

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		719	516961	3551328
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2}$ = 1.1456

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 1.1073

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 5543

Absolute Open Flow 5543 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Tefteller, Inc.	N. Tefteller	

TEFTELLER, INC.

reservoir engineering data

MIDLAND, TEXAS

File 1A-5283-AOF

Company TENNECO OIL CO. Lease CANYON Well No. 3

Field BASIN DAKOTA County SAN JUAN State NEW MEXICO

Formation DOKOTA Test Date OCTOBER 5, 1973

Status of Well Shut in

DEPTH Feet	PRESSURE Psig	GRADIENT Psi/Ft.
0	1932	
2000	2076	0.072
4000	2226	0.075
5250	2327	0.081
5450	2340	0.065
5650	2354	0.070
5785 Mid-Perf	2363	0.070

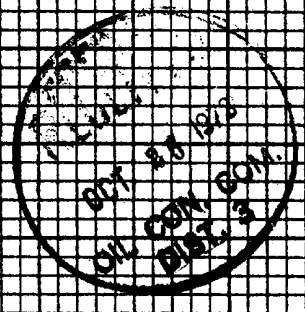
Datum Pressure Psig

PRESSURE POUNDS PER SQUARE INCH GAUGE

4000 3500 3000 2500 2000 1500 1000 500 0

0 1000 2000 3000 4000 5000 6000 7000

DEPTH: FEET



Elev.	6271 GL	Datum	Ft.
Total Depth	5871	Perf. 5768-5802	Ft.
Tubing	2 7/8	in. to 5683	Ft.
Casing	5 1/2	in. to	Ft.
Casing Press.	2005	Tubing Press. 1930	
Oil Level		Water Level	
Temperature		°F @	Ft.
Element No.		Range	
Last Test Date			
Pressure Last Test Date			Psig
B.H.P. Change		Psi	