STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test: [X] Initial [ ] Annual [ ] Special — Test Date: 10/23/85

Company: TENNECO OIL CO. — Connection:

Pool: UNDESIGNATED — Formation: FRUITLAND-COAL — Unit:

Completion Date	Total Depth	Plug Back TD	Elevation	Farm or Lease Name
	5814	5796		KERNAGHAN

Csg. Size	Wt.	d	Set At	Perforations	Well No.
7" 4½"			3416 5814	From 3002 To 3141	LS 2A

Tbg. Size	Wt.	d	Set At	Perforations	Unit	Sec.	Twp.	Rge.
1¼"			3150	From To	J	28	31	8

Type Well – Single – Bradenhead – G.G. or G.O. Multiple: — Packer Set At: 3200 — County: SAN JUAN

Producing Thru	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a	State
				NEW MEXICO

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		.680						

FLOW DATA

NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA Press. p.s.i.g.	TUBING DATA Temp. °F	CASING DATA Press. p.s.i.g.	CASING DATA Temp. °F	Duration of Flow
SI							965		1160		
1.	2x6x.75						125		930	64	3 hours
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	11		1.37	.9962	1.213	1.0148	1848
2.							
3.							
4.							
5.							

NO.	P_r	Temp. °R	T_r	Z
1	.20	524	1.36	.971
2.				
3.				
4.				
5				

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

RECEIVED
DEC 10 1985
OIL CON. DIV.
DIST. 3

P_c 1172 P_c^2 1373584

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		942	887364	486220
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.8250$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.4175$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 4467$

Absolute Open Flow 4467 Mcfd @ 15.025 — Angle of Slope θ _____ — Slope, n .85

Remarks:

Approved By Division | Conducted By | Calculated By | Checked By