ENERGY AND MINERALS DEPARTMENT SANTA FE, NEW MEXICO 87501

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

RECEIVED
MAY 22 1985
OIL CON. DIV.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 4-19-85
Company: Tenneco Oil Company		Connection:		Unit:
Pool: Basin		Formation: Dakota		
Completion Date	Total Depth: 6625'	Plug Back TD: 6619'	Elevation	Farm or Lease Name: Allen A
Csg. Size: 5 1/2 / Wt. / d / Set At: 6622		Perforations: From 6425 To 6602		Well No.: #1E
Tbg. Size / Wt. / d / Set At		Perforations: From To		Unit: L Sec.: 1 Twp.: 29N Rge.: 12W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple		Packer Set At		County: San Juan
Producing Thru	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a	State: New Mexico
L / H / Gg: .700	% CO_2	% N_2	% H_2S	Prover / Meter Run / Taps

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					1325		1325		
1.	2 X 6 X .75				132		426	54°	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	11		144	1.006	1.195	1.0169	1936
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_r	Z
1.	.21	514	1.30	.967
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 XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 1337 P_c^2 1787569

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		438	191844	1595725
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1202$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0888$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2108$

Absolute Open Flow 2108 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: _____

Approved By Division	Conducted By:	Calculated By:	Checked By: