ENERGY AND MINERALS DEPARTMENT SANTA FE, NEW MEXICO 87501

MULTIPOINT AND ONE POINT BACK PRESSURE TE.. FOR GAS WELL

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 7-25-87	
Company: TENNECO OIL CO.		Connection:			
Pool: BLANCO		Formation: PICTURED CLIFFS		Unit:	
Completion Date:	Total Depth: 3267	Plug Back TD: 3237	Elevation:	Farm or Lease Name: FIELDS	
Csg. Size: 3½" / Wt.: 9.2# / d: / Set At:		Perforations: From 3270 To 3330		Well No.: 14	
Tbg. Size: / Wt.: / d: / Set At:		Perforations: From To		Unit: F / Sec.: 25 / Twp.: 32N / Rge.: 11W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple:		Packer Set At:		County:	
Producing Thru:	Reservoir Temp. °F:	Mean Annual Temp. °F:	Baro. Press. – P_a:	State:	
L: / H: / Gg: .710 / % CO_2: / % N_2: / % H_2S: / Prover: / Meter Run: / Taps:					

NO.	FLOW DATA: Prover Line Size	X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA: Press. p.s.i.g.	Temp. °F	CASING DATA: Press. p.s.i.g.	Temp. °F	Duration of Flow
SI	2x6x.750							463		
1.								87	62	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	11.0		99	.9981	1.187	1.011	1304
2.							
3.							
4.							
5.							

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NO.	P_t	Temp. °R	T_t	Z
1	.15	522	1.32	.978
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 475 P_c^2 225625

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		99	9801	215824
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0454$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0385$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1354$

Absolute Open Flow 1354 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .85

Remarks: SLIMHOLE

Approved by Division	Conducted By:	Calculated By:	Checked By:
		M. McPhail	