NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

MAY 19 1980
OIL CON. COM.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 5-15-80	
Company: El Paso Natural Gas Company		Connection:			
Pool: So. Blanco		Formation: Pictured Cliff		Unit:	
Completion Date: 4-18-80	Total Depth: 5679	Plug Back TD: 5662	Elevation:	Farm or Lease Name: Hardie D (PM)	
Csg. Size: 7" / Wt.: 20.0 / d: 6.456 / Set At: 3390		Perforations: From 3044 To 3170		Well No.: 1A	
Tbg. Size: 1 1/4 / Wt.: 2.33 / d: 1.660 / Set At: 3148		Perforations: From To		Unit: O / Sec.: 12 / Twp.: 28 / Rge.: 8	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: G.G.		Packer Set At:		County: San Juan	
Producing Thru: Csg.	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

	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						663		663		
1.	.750		90		55					
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		102	1.005	.9463	1.009	1210
2.							
3.							
4.							
5.							

NO.	P_r	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 .670 XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 675 P_c^2 455625

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	10404	102	10404	445221
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0234$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0198$

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

Absolute Open Flow 1234 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .85

Remarks: 4.500" Liner Set @ 3257 - - 5679 (Well Blew Dry Gas And Vented 128 MCF/D to the Atmosphere During Test.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	J. Easley	C. R. Wagner	