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: 9-5-85	
Company: El Paso Natural Gas		Connection:			
Pool: Blanco		Formation: Mesa Verde		Unit:	
Completion Date: 9-5-85	Total Depth: 4836	Plug Back TD: 4822	Elevation: 5968 GR	Farm or Lease Name: Hancock A	
Csg. Size: 7.000 / Wt.: 20 / d: 6.456 / Set At: 4836		Perforations: From *4292 To 4822		Well No.: #2A	
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 4803		Perforations: From To		Unit: O / Sec.: 26 / Twp.: 28 / Rge.: 09	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: None		County: San Juan	
Producing Thru: Tbg.	Reservoir Temp. °F: @	Mean Annual Temp. °F:	Baro. Press. – P_a: 12	State: New Mexico	
L:	H:	Gg: .690	% 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						746	832			7 Days
1.		.750	267		74	267	616			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	12.365		279	.9868	.9325	1.028	3263
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 _____ XXXXXXXX
Specific Gravity Flowing Fluid XXXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

RECEIVED
SEP 09 1985
OIL CON. DIV.
DIST. 3

P_c 844 P_c^2 712336

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		628	394384	317952
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{712336}{317952}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.8312$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 5975$

Absolute Open Flow 5975 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: Produced water oil mist during test.
*4.500 line from 2327 to 4836. Gas vented during test = 462 MCF.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Don Norton	Cliff Brock	kld