NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

(CORRECTED COPY)

Type Test: [X] Initial [ ] Annual [ ] Special		Test Date: 9-5-85	
Company: El Paso Natural Gas Co.	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	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI							746	832			7 days
1.			.750	267		74	267	267			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_t	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 XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXXX
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

RECEIVED
SEP 19 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"liner from 2327 to 4836. Gas vented during test = 462 MCF.

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