NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
SEP 10 1985
OIL CON. DIV.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 9-4-85	
Company: El Paso Natural Gas		Connection:			
Pool: Blanco		Formation: Mesa Verde			Unit:
Completion Date: 9-4-85	Total Depth: 5143		Plug Back TD: 5134	Elevation: 6165 GR	Farm or Lease Name: Hancock
Csg. Size: 7000 / Wt.: 20 / d: 6.456 / Set At: 5143			Perforations: From *4617 To 5114		Well No.: #3A
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 5072			Perforations: From To		Unit: F / Sec.: 22 / 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: a	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							967		989		7 Days
1.			.750	319		72	319		624		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		331	.9887	.9325	1.034	3902
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 _____ XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 1001 P_c^2 1002001

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		627	393129	608872
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1002001}{608872}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.4530$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 5669$

Absolute Open Flow 5669 Mcfd @ 15.025 | Angle of Slope ϕ _____ | Slope, n .75

Remarks: *4.500" liner from 2549' to 5143.
Unloaded slug of oil - then mist during test.
Gas vented during test = 577 MCF.

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