NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
JUL 25 1985
OIL CON. DIV.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 7-19-85	
Company: El Paso Natural Gas		Connection:			
Pool: Blanco		Formation: Pictured Cliffs			Unit:
Completion Date: 7-19-85	Total Depth: 2455		Plug Back TD: 2446	Elevation: 5688 GR	Farm or Lease Name: Wilmuth
Csg. Size: 2.875 / Wt.: 6.5 / d: 2.441 / Set At: 2455			Perforations: From 2310 To 2426		Well No.: #2
Tbg. Size: Tubingless Completion / Wt. / d / Set At			Perforations: From To		Unit: N / Sec.: 26 / Twp.: 31 / Rge.: 11
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At: None		County: San Juan
Producing Thru: Csg.	Reservoir Temp. °F: @	Mean Annual Temp. °F:	Baro. Press. – P_a: 12		State: New Mexico
L	H	Gg: .680	% 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									656		7 Days
1.			.750	58		61			58		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		70	.9990	.9393	1.009	820
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 XXXXX _____

Critical Pressure _____ P.S.I.A. _____ P.S.I.A.

Critical Temperature _____ R _____ R

P_c 668 P_c^2 446224

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		84	7056	439168
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{446224}{439168}$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0136$

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 831$

Absolute Open Flow 831 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .85

Remarks: Produced medium spary liquid throughout test. Gas vented during test = 119 MCF.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Jim Thrustonson	Ed Mabe	kld