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: 10-23-85	
Company: El Paso Natural Gas	Connection:			
Pool: Basin	Formation: Dakota			Unit:
Completion Date: 10-23-85	Total Depth: 8094	Plug Back TD: 8087	Elevation: 6742 GR	Farm or Lease Name: S.J. 28-5 Unit
Csg. Size: 4.500 · Wt.: 11.6 · d: 4.000 · Set At: 8094	Perforations: From 7879 To 8070			Well No.: #61E
Tbg. Size: 1.900 · Wt.: 2.9 · d: 1.610 · Set At: 8033	Perforations: From To			Unit: E · Sec.: 18 · Twp.: 28 · Rge.: 05
Type Well – Single – Bradenhead – G.C. or G.O. Multiple: Single		Packer Set At: None		County: Rio Arriba
Producing Thru: Tbg.	Reservoir Temp. °F:	Mean Annual Temp. °F:	Baro. Press. – P_a: 12	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							1265		1330		7 Days
1.											
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							
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 ________ X X X X X X X X X
Specific Gravity Flowing Fluid X X X X X ________
Critical Pressure ________ P.S.I.A. ________ P.S.I.A.
Critical Temperature ________ R ________ R

OCT 25 1985
OIL CON. DIV.
DIST. 3

P_c ________ P_c^2 ________

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

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

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

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

Absolute Open Flow ________ Mcfd @ 15.025 | Angle of Slope θ ________ | Slope, n ________

Remarks: AFG = 88 MCF/D [illegible]

Approved by Commission:	Conducted By:	Calculated By:	Checked By:
	John Easley	Ed Mabe	kld