OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 12-17-80	
Company: El Paso Natural Gas Company	Connection: El Paso Natural Gas Company			
Pool: Basin	Formation: Dakota		Unit:	
Completion Date: 12-10-80	Total Depth: 7584	Plug Back TD: 7567	Elevation: 6732 GR	Farm or Lease Name: Vaughn
Csg. Size: 4.500 / Wt.: 10.5 / 11.6 / d: 4.000 / Set At: 7584	Perforations: From 7240 To 7401			Well No.: #31
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 7409	Perforations: From To			Unit: B / Sec.: 29 / Twp.: 26 / Rge.: 6
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single	Packer Set At:			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						1439		2039		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_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 _____ 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 $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = _____

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

Remarks: _____

Approved By Division	Conducted By:	Calculated By:	Checked By:
	Ernie Minert	H. E. McAnally	