STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

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: 6-10-85	
Company: El Paso Natural Gas			Connection:		
Pool: Undesignes			Formation: Chacra		Unit:
Completion Date: 6-10-85	Total Depth: ~~4066~~ 5076		Plug Back TD: 4066	Elevation: 6170 GR	Farm or Lease Name: Riddle B
Csg. Size: 5.500 / Wt.: 15.5 / d: 4.950 / Set At: 4260			Perforations: From 3500 To 3764		Well No.: 1
Tbg. Size: 1.610 / Wt.: 2.4 / d: 1.380 / Set At: 3751			Perforations: From To		Unit: B / Sec.: 27 / Twp.: 30 / Rge.: 10
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: .680	% CO_2	% N_2	% H_2S / Prover / Meter Run / Taps

NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA Press. p.s.i.g.	TUBING DATA Temp. °F	CASING DATA Press. p.s.i.g.	CASING DATA Temp. °F	Duration of Flow
SI							1030		1030		7 Days
1.			.750	54		61	54		331		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		66	.9990	.9393	1.009	773
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_t	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 1042 P_c^2 1085764

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		343	117649	968115
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1085764}{968115}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0898$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 842

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JUN 12 1985
OIL CON. DIV.
DIST. 3

Absolute Open Flow 842 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: Produced dry gas throughout test, Gas vented during test = 126 MCF.

Approved By Division	Conducted By:	Calculated By:	Checked By:
	Bob Easterling	Ed Mabe	kld