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: 1-21-82		
Company: El Paso Natural Gas Company		Connection: El Paso Natural Gas Company			
Pool: Basin		Formation: Dakota		Unit:	
Completion Date: 12-18-81	Total Depth: 6922	Plug Back TD: 6904	Elevation: 6446 GR	Farm or Lease Name: Huerfano Unit	
Csg. Size: 4.500 / Wt.: 10.5 / d: 4.052 / Set At: 6922		Perforations: From 6646 To 6819		Well No.: #213E	
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 6789		Perforations: From To		Unit: A / Sec.: 36 / Twp.: 27 / 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: 4"	Taps: Flg.			

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					1782		1873		34 Days
1.	4 X 2.500	27		64	96		422		3 Hours
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	32.64	33.16	39	.9962	1.213	1.000	1308
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 _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 1885 P_c^2 3553225

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		434	188356	3364869
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{3553225}{3364869}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0417$

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1363$

Absolute Open Flow 1363 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: Gas Vented During Test = 251 MCF
Well Produced 7.8 BBLS of Oil During Test

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Bill Huntington	Ed Mabe	