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: 6-19-85	
Company: El Paso Natural Gas		Connection:			
Pool: Basin		Formation: Dakota		Unit:	
Completion Date: 6-19-85	Total Depth: 6276	Plug Back TD: 6252	Elevation: 5609 GR	Farm or Lease Name: Pinon Mesa B	
Csg. Size: 4.500 / Wt.: 10.5 / d: 4.052 / Set At: 6269		Perforations: From 6059 To 6204		Well No.: #1E	
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 6172		Perforations: From To		Unit: E / Sec.: 25 / Twp.: 31 / Rge.: 14	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: None		County: San Juan	
Producing Thru: Tbg.	Reservoir Temp. °F: a	Mean Annual Temp. °F:	Baro. Press. – P_a: 12	State: New Mexico	
L:	H:	Gg: .700	% CO_2:	% N_2:	% H_2S:
Prover:	Meter Run:	Taps:			

FLOW DATA

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							1669		1669		7 Days
1.			.750	208		78	208		790		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		220	.9831	.9258	1.026	2540
2							
3							
4							
5							

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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 _____ XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 1681 P_c^2 2825761

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		802	643204	2182557
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{2825716}{2182557}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.2137$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3083$

Absolute Open Flow 3083 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks:
Blew dry gas throughout test. Gas vented during test = 422 MCF.

Approved by Commission:	Conducted By:	Calculated By:	Checked By:
	Bobe Haire	Ed Mabe	kld