NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: ☒ Initial ☐ Annual ☐ Special				Test Date: 1-13-86	
Company: El Paso Natural Gas Co.		Connection:			
Pool: Blanco		Formation: Mesa Verde		Unit:	
Completion Date: 1-13-86	Total Depth: 5160	Plug Back TD: 5143	Elevation: 5928 GR	Farm or Lease Name: Payne	
Csg. Size: 4.500 / Wt.: 10.5 / d: 4.052 / Set At: 5160		Perforations: From 4649 To 5045		Well No.: #1	
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 5043		Perforations: From To		Unit: L / Sec.: 26 / Twp.: 30 / Rge.: 11	
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:			

FLOW DATA / TUBING DATA / CASING DATA

NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI							437		869		7 Days
1.			.750	218		80	218		494		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		230	.9813	.9393	1.022	2679
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 XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX
Critical Pressure _____ P.S.I.A.
Critical Temperature _____ R

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OIL CON. DIV.
DIST. 3

P_c 881 P_c^2 776161

NO	P_w	P_w^2	$P_c^2 - P_w^2$
1	506	256036	520125
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.4923$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.3502$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3617$

Absolute Open Flow 3617 MCF/D Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: Gas vented during test = 387 MCF.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Don Norton	Scott H. Lindsay	kld