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: 5-28-80	
Company: El Paso Natural Gas			Connection:		
Pool: Blanco			Formation: Mesa Verde		Unit:
Completion Date	Total Depth		Plug Back TD	Elevation	Farm or Lease Name: San Juan 27-4 Unit
Csg. Size: 7.00 / Wt.: 23 / d: 6.336 / Set At: 4386			Perforations: From 5737 To 6605		Well No.: #13A (MV)
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 6502			Perforations: From To		Unit: O / Sec.: 20 / Twp.: 27 / Rge.: 4
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: GG Dual			Packer Set At: 4324		County: Rio Arriba
Producing Thru: Tbg.	Reservoir Temp. °F: @	Mean Annual Temp. °F	Baro. Press. – P_a		State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
6502		.650					4"	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					930				11 Days
1.	4 X 2.750	83	7.35 RT	50	235				3 Hr.
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	41.10	76.69		1.010	1.240	1.000	3947
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 _____ XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 942 P_c^2 887364

NO	P_w	P_w^2	$P_c^2 - P_w^2$
1	55225	420164	467200
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{887364}{467200}$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = .6179$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 6386$

Absolute Open Flow 6386 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

JUN 6 1980
OIL CON. COM.
DIST. 3

Remarks: * 4.500" Liner 4312' = 6644'
Produced 4.5 BBL Water & 3.75 BBL Oil During Test
Vented Gas = 559 MCF

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Lyle Nation Knox Hedgecoke	L. E. Mabe, Jr.	