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: 8-26-80	
Company: El Paso Natural Gas Company		Connection: El Paso Natural Gas Company			
Pool: Basin		Formation: Dakota		Unit: San Juan 29-7	
Completion Date: 7-27-80	Total Depth: 8043	Plug Back TD: 8036	Elevation: 6772'GL	Farm or Lease Name: San Juan 29-7 Unit	
Csg. Size: 7.000 / Wt.: 23.0 / d: / Set At: 6350		Perforations: From 7822 To 8008		Well No.: #65A (DK)	
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 7966		Perforations: From To		Unit: J / Sec.: 22 / Twp.: 29 / Rge.: 7	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: G.G. Dual		Packer Set At: 6225		County: Rio Arriba	
Producing Thru: Tbg.	Reservoir Temp. °F: @	Mean Annual Temp. °F:	Baro. Press. – P_a: 12	State: New Mexico	
L:	H:	Gg: 0.640	% CO_2:	% N_2:	% H_2S:
Prover:	Meter Run:	Taps:			

NO.	FLOW DATA: Prover Line Size	X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA: Press. p.s.i.g.	Temp. °F	CASING DATA: Press. p.s.i.g.	Temp. °F	Duration of Flow
SI						1800				30 Days
1.	Choke	0.750	5		60					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	12.365		17	1.000	0.9682	1.000	204
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 1812 P_c^2 3283344

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1	289	38	1444	3281900
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0004$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0003$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 204$

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

Remarks: 4.500 Liner From 6225 6o 8043. The Well Produced 51 MCF Gas During The Test.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	John Easley	H.E. McAnally	

RECEIVED
AUG 27 1980
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DIST. 3