NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

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... this to be Chrisman Gas Com #1E

Type Test: [X] Initial [ ] Annual [X] Special	Test Date: 1-25-82		
Company: Amoco Production Company	Connection: El Paso Natural Gas Company		
Pool: Flora Vista	Formation: Gallup	Unit	
Completion Date: 1-7-82	Total Depth: 6944	Plug Back TD: 6882	Elevation: 5798 GL
Farm or Lease Name: ~~L. C. Kelly~~ Chrisman Gas Com			
Csg. Size: 5.500	Wt.: 17	d: 4.892	Set At: 6944
Perforations: From 5742 To 6002	Well No.: ~~1~~ 1E		
Tbg. Size: 1.660	Wt.: 2.33	d: 1.380	Set At: 5987
Perforations: From gas To anchor	Unit: D	Sec.: 11	Twp.: 30N Rge.: 12W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Dual	Packer Set At: 6099	County: San Juan	
Producing Thru: Tubing	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:			

	FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow
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	
SI	7 Days					822		822		
1.	2.375	.750				22		245		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 F_t	Gravity Factor F_g	Super Compress. Factor, F_{pv}	Rate of Flow Q, Mcfd
1	12.365		34	1.000	.9258	1.004	391
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 834 P_c^2 695556

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		257	66049	629507
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2}$ = 1.1049

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 1.0777

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 421

Absolute Open Flow 421 Mcfd @ 15.025 | Angle of Slope θ ________ | Slope, n .75

Remarks: Gas Anchor set at 5983.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	J. J. Barnett	J. J. Barnett	