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: 1-24-72	
Company: AMOCO PRODUCTION COMPANY	Connection: None			
Pool: Undesignated	Formation: Fruitland		Unit: DIST. 3	
Completion Date: 1-17-72	Total Depth: 2931	Plug Back TD: 2898	Elevation: / KB GL 6085/6098	Farm or Lease Name: E. E. Elliott "C"
Csg. Size: 4.5 / Wt.: 10.5 / d: 4.090 / Set At: 2931		Perforations: From 2608 To 2645		Well No.: 1
Tbg. Size: 1.660 / Wt.: 2.3 / d: 1.380 / Set At: 2579		Perforations: From Open End To		Unit: J / Sec.: 9 / Twp.: 30 / Rge.: 9
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: None		County: San Juan
Producing Thru: Tubing	Reservoir Temp. °F: 90° @ T.D.	Mean Annual Temp. °F: 60° Est.	Baro. Press. – P_a: 12 PSIA Est.	State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
2626	2626	.650						

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	7 Days						1010		1010		
1.	2-Inch		.750	48			48	60° Est.	222		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	12.3650		60	1.000	.9608	1.0000	713
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 1022 P_c^2 1,044,484

NO	P_w	P_w^2	$P_c^2 - P_w^2$
1	234	54,756	989,728
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1,044,484}{989,728}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0468$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 746$

Absolute Open Flow 746 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .85

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	B. D. Dukes	J. A. Pope	D. A. Wayhan