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: 11-26-73	
Company: AMOCO PRODUCTION COMPANY		Connection			
Pool: Undesignated		Formation: Fruitland		Unit	
Completion Date: 11-14-73	Total Depth: 2900	Plug Back TD: 2720	Elevation: 5926 GL	Farm or Lease Name: Keys Gas Com "F"	
Csg. Size: 4.500 / Wt.: 10.5 / d: 4.052 / Set At: 2886		Perforations: From 2451 To 2676		Well No.: 1	
Tbg. Size: 1.66 / Wt.: 2.3 / d: 1.38 / Set At: 2442		Perforations: From Open To Ended		Unit: K / Sec.: 27 / Twp.: 32N / Rge.: 10W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At		County: San Juan	
Producing Thru: Tbg.	Reservoir Temp. °F: @	Mean Annual Temp. °F: 60° Est.	Baro. Press. – P_a: 12 psia (est.)	State: New Mexico	
L	H	Gg: 60	% CO_2	% N_2	% H_2S / Prover / Meter Run / Taps

FLOW DATA

NO.	Line Size	Size Choke	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA Press. p.s.i.g.	TUBING DATA Temp. °F	CASING DATA Press. p.s.i.g.	CASING DATA Temp. °F	Duration of Flow
SI	10 days					904		1015		
1.	2-Inch	3/4"				15		232		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		27	1.000	.9608	1.000	321
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.
Critical Temperature _____ R

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DIST. 3

P_c 1027 P_c^2 1,054,729

NO	P_w	P_w^2	$P_c^2 - P_w^2$
1	244	59,536	995,193
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0598$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0506$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 337$

Absolute Open Flow 337 MCFD Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .85

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	T. M. Oliver	R.K.Kobbe/J.A.Pope	J. Arnold Snell