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: 2-22-72	
Company: AMOCO PRODUCTION COMPANY			Connection: None		
Pool: Undesignated			Formation: Fruitland		Unit
Completion Date: 2-15-72	Total Depth: 2601		Plug Back TD: 2466	Elevation: GL 5935 KB 5946	Farm or Lease Name: Keys Gas Com "E"
Csg. Size: 4-1/2" / Wt.: 10.5 / d: 4.090 / Set At: 2601			Perforations: From 2402 To 2430		Well No.: 1
Tbg. Size: 1.660 / Wt.: 2.3 / d: 1.380 / Set At: 2372			Perforations: From Open End		Unit: D / Sec.: 27 / Twp.: 32N / Rge.: 10W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At: None		County: San Juan
Producing Thru: Tubing	Reservoir Temp. °F: 97° @ TD		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
2416	2416	0.650						

	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	7 Days					1185		1185		
1.	2"	0.750	125			125	60°	614		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	12.3650		137	1.000	.9608	1.013	1649
2.							
3.							
4.							
5.							

NO.	P_t	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

MAR 2 1972
OIL CON. COM.
DIST. 3

P_c 1197 P_c^2 1,432,809

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		626	391,876	
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1,432,809}{1,040,933}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.3121$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 2164

Absolute Open Flow 2164 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