NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED

Type Test: [X] Initial [ ] Annual [X] Special				Test Date: 10-17-83	
Company: Amoco Production Company			Connection: Gas Company of New Mexico		Unit
Pool: Basin			Formation: Dakota		
Completion Date: 9-20-83	Total Depth: 6465		Plug Back TD: 6450	Elevation: 6013	Farm or Lease Name: R. P. Hargrave "K"
Csg. Size: 4.500 / Wt.: 11.6 / d: 4.000 / Set At: 6465			Perforations: From 6272 To 6450		Well No.: 1
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 6419			Perforations: From open To ended		Unit: M / Sec.: 16 / Twp.: 27 / Rge.: 10
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At: None		County: San Juan
Producing Thru: Tubing	Reservoir Temp. °F: A	Mean Annual Temp. °F	Baro. Press. – P_a		State: New Mexico
L	H	Gg	% 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	9 Days				1260		1260		
1.	2.375 .750				162		624		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		174	1.000	.9258	1.020	2032
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 1272 P_c^2 1617984

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		636	404496	1213488
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3333$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.2408$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2521$

Absolute Open Flow 2521 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: Med. water medium oil; Recomplete

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