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: 3/10/78	
Company: Amoco Production Company		Connection:			
Pool: Chosa Mesa		Formation: Pictured Cliffs		Unit:	
Completion Date: 2/26/78	Total Depth: 4390	Plug Back TD: 4312	Elevation: 7306	Farm or Lease Name: Valencia Canyon Unit	
Csg. Size: 4.500 / Wt.: 10.5 / d: 4.052 / Set At: 4390		Perforations: From 4040 To 4277		Well No.: 16	
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 4257		Perforations: From Open To Ended		Unit: P / Sec.: 23 / Twp.: 28 / Rge.: 4	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: None		County: Rio Arriba	
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
		.65						

	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	12 days					1164		1166		
1.	2.375	0.750				400	60	855		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		412	1.000	.9608	1.042	5100
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 1178 P_c^2 1387684

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1				
2		867	751689	635995
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.1819$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.9408$

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 9899$

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DIST. 3

Absolute Open Flow 9899 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .85

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	T. M. Oliver	TMO/MJF	J. L. Krupka