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: 10-5-73	
Company: AMOCO PRODUCTION COMPANY		Connection: Uncommitted		
Pool: Chosa Mesa		Formation: Pictured Cliffs		Unit: Valencia Canyon Unit
Completion Date: 10-8-73	Total Depth: 8505	Plug Back TD: 4150	Elevation: 7082 GL	Farm or Lease Name: Valencia Canyon Unit
Csg. Size: 4-1/2" / Wt.: 10.5 / d: 4.052 / Set At: 8494		Perforations: From 3918 To 4054		Well No.: 1
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 4045		Perforations: From Open To Ended		Unit: M / Sec.: 23 / Twp.: 28N / Rge.: 4W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: None		County: Rio Arriba
Producing Thru: Tubing	Reservoir Temp. °F: 208° TD	Mean Annual Temp. °F: 60° (est.)	Baro. Press. – P_a: 12 PSIA	State: New Mexico
L: 4045 / H: 4045	Gg: .65 (est)	% CO_2	% N_2	% H_2S / Prover / Meter Run / Taps

FLOW DATA

NO.	Line Size	X	Size	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	7 Days						1135		1135		
1.	2-Inch		3/4" Choke				124		433		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		136	1.000	.9608	1.014	1638
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

P_c 1147 P_c^2 1,315,609

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		445	198025	1117584
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1772$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1488$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1882$

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OIL CON. COM.
DIST. 3

Absolute Open Flow 1882 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .85

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
NOV 7 1973	T. M. Oliver	G. O. Munson	J. A. Pope/J. W. Calvin