NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [X] Special			Test Date: 12-3-81	
Company: Amoco Production Company	Connection: Southern Union Gas Company			
Pool: Basin	Formation: Dakota		Unit	
Completion Date: 11-20-81	Total Depth: 6689	Plug Back TD: 6648	Elevation: 6108 GL	Farm or Lease Name: R. P. Hargrave "L"
Csg. Size: 4.500 / Wt.: 10.5 / d: 4.052 / Set At: 6675		Perforations: From 6412 To 6580		Well No.: 1E
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 6589		Perforations: From open To ended		Unit: D / Sec.: 4 / Twp.: 27N / 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:	Mean Annual Temp. °F:	Baro. Press. – P_a:	State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps

	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	13 Days					227		1187		
1.	2.375	.750				124		618		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	.9258	1.015	1580
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 1199 P_c^2 1437601

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		630	396900	1040701
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3814$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.2742$

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2013$

Absolute Open Flow 2013 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	J. J. Barnett	J. J. Barnett	93