OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

RECEIVED
SEP 06 1985
OIL CON. DIV.
DIST. 3

Type Test: [x] Initial [ ] Annual [x] Special			Test Date: 8-15-85	
Company: Amoco Production Co.		Connection: Southern Union Gas Co		Unit
Pool: Basin		Formation: Dakota		
Completion Date: 8-6-85	Total Depth: 7003	Plug Back TD: 6960	Elevation: 6309 GR	Farm or Lease Name: R.P. Hargrave H
Csg. Size: 4.500 / Wt.: 11.6 / d: 4.000 / Set At: 7003		Perforations: From 6576 To 6744		Well No.: 1E
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 6757		Perforations: From open To ended		Unit: J / Sec.: 9 / 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	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	8 days				630		1175		
1.	2.375 .750				275		870		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		287	1.000	.9258	1.034	3397
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 1187 P_c^2 1408969

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		882	777924	631045
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.2328$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.8265$

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 6205$

Absolute Open Flow 6205 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: Flared, Heavy condensate, Lite H20

Approved By Division	Conducted By:	Calculated By:	Checked By:
	Bryan Services	J.J. Barnett	