STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

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 WELL

Type Test: [X] Initial [ ] Annual [X] Special				Test Date: 4/17/85	
Company: Amoco Production Co.		Connection: Not dedicated			
Pool: Otero		Formation: Chacra		Unit	
Completion Date: 4/1/85	Total Depth: 3284	Plug Back TD: 3241	Elevation: 5986 GR	Farm or Lease Name: Kutz Federal B	
Csg. Size: 4.500 / Wt.: 10.5 / d: 4.052 / Set At: 3284		Perforations: From 3044 To 3166		Well No.: #1	
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 3167		Perforations: From open To ended		Unit: H / Sec.: 22 / Twp.: 28 / 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	Cg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps

FLOW DATA

NO.	Prover Line Size	X	Orifice 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	14 days										
1.	2.375		.750				995		1015		
2.							230		535		3 hrs.
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		242	1.000	.9258	1.025	2840
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 1027 P_c^2 1054729

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		547	299209	755520
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3960$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.2843$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3647$

Absolute Open Flow 3647 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: flared, Lite H2O, Lite condensate

Approved By Division	Conducted By:	Calculated By:	Checked By:
	Bryan Services		