Submit in duplicate to appropriate district office
See Rule 401 & Rule 1122

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-122
Revised 4-1-91

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator: Robert L. Bayless				Lease or Unit Name: Apache Bend			
Type Test: X Initial ___ Annual ___ Special				Test Date: 3-15-93		Well No.: 2	
Completion Date: 1-8-93	Total Depth: 3020		Plug Back TD: 2975	Elevation: 7347 GL		Unit Ltr. - Sec. - TWP - Rge.: K-32-23N-2W	
Csg. Size: 4 1/2	Wt.: 10.5	d:	Set At: 3020	Perforations: From: 2928	To: 2938	County: Sandoval	
Tbg. Size: 1 1/4	Wt.: 2.4	d:	Set At: 2930	Perforations: From:	To:	Pool: Ballard	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single			Packer Set At: None			Formation: Pictured Cliffs	
Producing Thru: Tubing	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press - P_a: 12.0 psia est.			Connection: EPNG	
L	H	G_g: est. .65	% 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					335		335		
1.	2 inch x .750"				43		198		3 hours
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.	12.3650		56	1.000	1.240	1.014	871
2.							
3.							
4.							
5.							

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NO.	P_r	Temp. °R	T_r	Z
1.	0.08		1.39	0.973
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg
Specific Gravity Separator Gas _____ XXXXXXXX
Specific Gravity Flowing Fluid _____ XXXXXX
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 347 P_c^2 120,409

NO.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1.		210	44,100	76,309
2.				
3.				
4.				
5.				

1) $\frac{P_c^2}{P_c^2 - P_w^2}$ = 1.5779 (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 1.4736

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 1283

Absolute Open Flow 1283 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n _____

Remarks: Light mist of water at end of test.

Approved By Division	Conducted By:	Calculated By:	Checked By:
	David Ball	Kevin McCord	