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: TEXACO EXPLORATION					Lease or Unit Name: BAKER B		
Type Test: [X] Initial [ ] Annual [ ] Special					Test Date: 10-14-96	Well No.: 16	
Completion Date: 7-9-96	Total Depth: 6600		Plug Back TD: 5800		Elevation	Unit Ltr. - Sec. - TWP. - Rge.: N 10-22S-37E	
Csg. Size: 5½	Wt.: 15.5	d: 4.950	Set At: 6600	Perforations: From: 5424 To: 5552		County: LEA	
Tbg. Size: 2-3/8	Wt.: 4.7#	d: 1.995	Set At: 5559	Perforations: From: To:		Pool	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: single				Packer Set At: none		Formation: ~~TUBB~~ Blinebry P	
Producing Thru: TBG	Reservoir Temp. °F: 114	Mean Annual Temp. °F: 60		Baro. Press - P_a: 13.2		Connection: PIPELINE	

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
5424	5424	.695	.364	2.882			3.068	FLG.

	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					304				
1.				66.8	290				1 hr.
2.				69.5	240				1 hr.
3.				70.3	219				1.25hr
4.				72.0	165				1 hr.
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, F pv.	Rate of Flow Q, Mcfd
1.							380
2.		TAKEN FROM TOTAL FLOW METER					555
3.							791
4.							881
5.							

NO.	P_r	Temp. °R	T_r	Z
1.		526.8		
2.		529.5		
3.		530.3		
4.		532.0		
5.				

Gas Liquid Hydrocarbon Ratio: DRY Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: DRY Deg.
Specific Gravity Separator Gas: .695 XXXXXXXXX
Specific Gravity Flowing Fluid: DRY XXXXX
Critical Pressure: *677 P.S.I.A. P.S.I.A.
Critical Temperature: 385 R R

P_c 317.2 P_c^2 100.6

NO.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1.	91.9	308.1	95.0	5.7
2.	64.1	265.8	70.6	30.0
3.	53.9	259.2	67.2	33.4
4.	31.8	220.0	48.4	57.2
5.				

1) $\frac{P_c^2}{P_c^2 - P_w^2} = 17.777$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 4.216$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1,602$

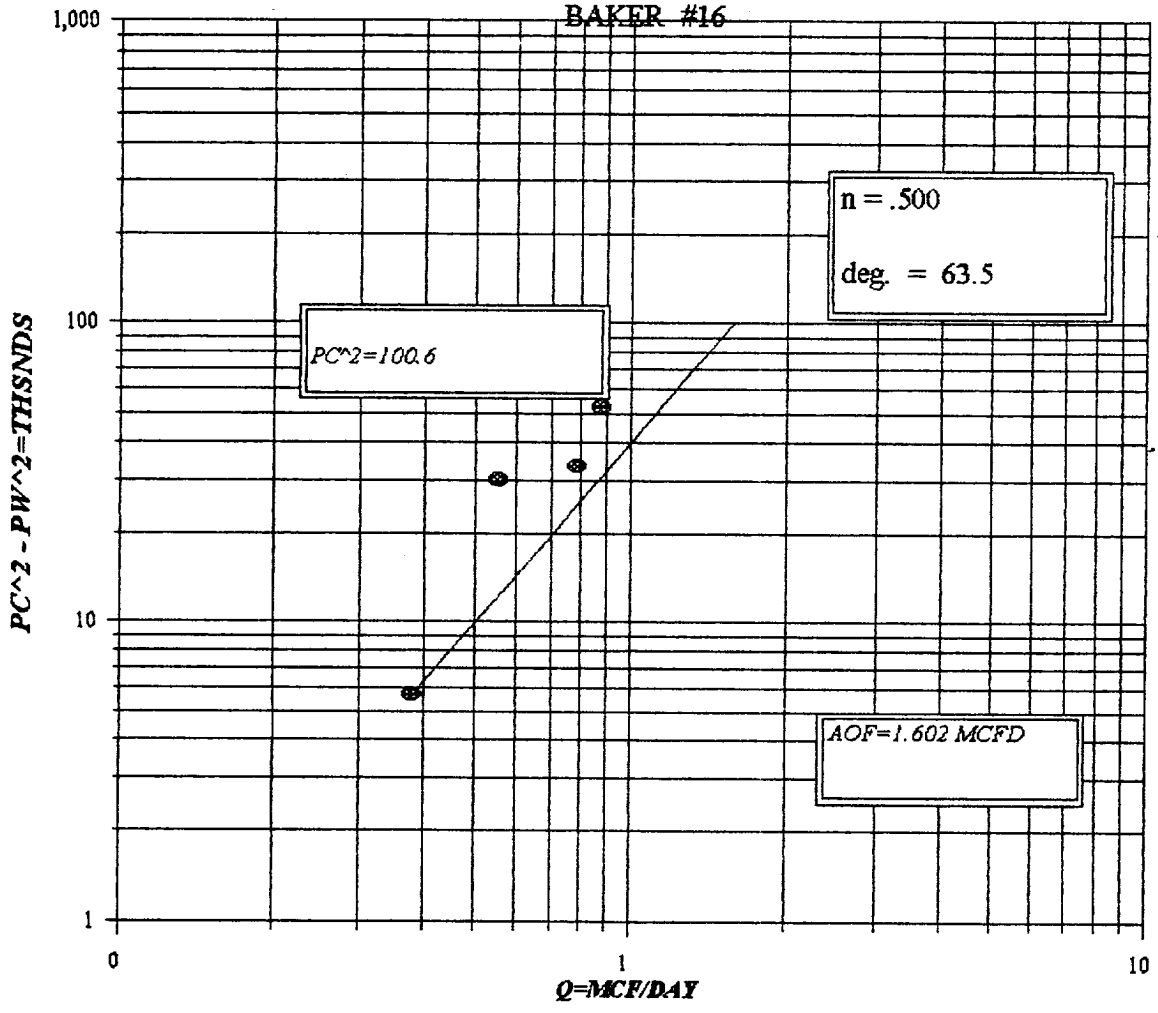
Absolute Open Flow: 1,602 Mcfd @ 15.025 | Angle of Slope θ: 63.5 | Slope, n: .500

Remarks:
*CORRECTED TO 2% N^2

Approved By Division	Conducted By:	Calculated By:	Checked By:
ORIGINAL SIGNED BY JERRY SEXTON DISTRICT I SUPERVISOR	PRO WELL TESTER	KS	

TEXACO E & P

BAKER #16



0 COMPANY :TEXACO E & P LEASE :BAKER B WELL NO. : 16

UNIT :N SECTION : 10 TOWNSHIP : 22

L : 5424 H : 5424 L/H : 1 G/GMIX : 0.695

%CO2 : 0.364 %N2 : 2.882 H2S : DATE :10-14-96

d : 1.995 Fr :0.018231 GH : 3769.7 RANGE : 37

VOL 1 : 380 PSIA 1 : 303.2 RESV.TEMP 114.0

VOL 2 : 555 PSIA 2 : 253.2

VOL 3 : 791 PSIA 3 : 232.2 SHUT-IN PR= 317.2

VOL 4 : 881 PSIA 4 : 178.2

PCR : 677

TCR : 385

LINE	RATE 1		RATE 2		RATE 3		RATE 4	
	'1ST	'2ND	'1ST	''2ND	'1ST	'2ND	'1ST	'2ND
1 QM	0.380	0.380	0.555	0.555	0.791	0.791	0.881	0.881
2 TW	534	534	534	534	534	534	534	534
3 Ts	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0
4 T	554.0	554.0	554.0	554.0	554.0	554.0	554.0	554.0
PR (est)	0.45		0.37		0.34		0.26	
5 Z(est)	0.926	0.922	0.934	0.930	0.937	0.932	0.946	0.940
6 TZ	512.8	510.5	517.4	515.0	519.3	516.3	524.2	520.9
7 GH/TZ	7.351	7.384	7.286	7.319	7.259	7.301	7.191	7.238
8 eS	1.317	1.319	1.314	1.316	1.313	1.315	1.310	1.312
9 1-e-S	0.241	0.242	0.239	0.240	0.238	0.239	0.236	0.238
10 Pt	303.2	303.2	253.2	253.2	232.2	232.2	178.2	178.2
11 Pt2 /1000	91.9	91.9	64.1	64.1	53.9	53.9	31.8	31.8
12 Fr	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231	0.0182311
13 Fc=FrTZ	9.350	9.308	9.433	9.390	9.467	9.413	9.557	9.496
14 FcQm	3.55	3.54	5.24	5.21	7.49	7.45	8.42	8.37
15 L/H(FcQm)	12.6	12.5	27.4	27.2	56.1	55.4	70.9	70.0
16 Fw	3.041100	3.025703	6.552175	6.518618	13.36479	13.27878	16.75647	16.635184
17 Pw2	95.0	95.0	70.7	70.6	67.3	67.2	48.5	48.4
18 Ps2	125.1	125.2	92.9	92.9	88.3	88.4	63.5	63.5
19 Ps	353.7	353.9	304.7	304.9	297.2	297.2	252.0	252.0
20 P	328.5	328.6	279.0	279.0	264.7	264.7	215.1	215.1
21 Pr	0.49	0.49	0.41	0.41	0.39	0.39	0.32	0.32
22 Tr	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44
23 Z	0.922	0.922	0.930	0.930	0.932	0.932	0.940	0.940

Pc = 317.2 Pc2 = 100.6

Pt2 = 91.9 Pw = 308.1

64.1 265.8

53.9 259.2

31.8 220.0

Pc2-Pw2= 5.7 Pw2 = 95.0

30.0 70.6

33.4 67.2

52.2 48.4

n = 0.500

Pc2/(Pc2-Pw2) = 17.777

3.355

3.011

1.927

[Pc2/Pc2-Pw2]n = 4.216

1.832

1.735

1.388

AOF= Q 1.602

1.017

1.372

1.223

FORM C122-D

TEXACO E & P INC.
EUNICE G. P. LAB
P. O. BOX 1929
EUNICE, N.M.
PHONE 505-394-2516

SAMPLE SERIAL NO. 9456
DATE SAMPLE SECURED: 08-16-96
DATE SAMPLE ANALYZED: 08-19-96

SAMPLE OF: BAKER B-16 STA.#11-021-3386
SAMPLE FROM: T. E. P. I.

ANALYSIS REQUESTED BY: C. R. ADKISON
ANALYSIS COMPLETED BY: R. WOODELL

COMPONENT	MOL %	GPM	WT. %
CARBON DIOXIDE	0.364		0.793
NITROGEN	2.882		3.999
METHANE	80.985		64.352
ETHANE	9.119	2.426	13.582
PROPANE	4.114	1.127	8.985
ISO-BUTANE	0.470	0.153	1.353
N-BUTANE	1.157	0.363	3.331
ISO-PENTANE	0.264	0.096	0.943
N-PENTANE	0.290	0.104	1.036
HEXANE HEAVIER	0.355	0.146	1.626
TOTAL	100.000	4.415	100.000

CALCULATED PHYSICAL PROPERTIES @ 14.65 psia & 60 F

sp gr. air = 1	0.695	BTU wet basis	1151.733
Cp	0.496	BTU dry basis	1172.128
mol. wt.	20.190	critical temp. R	384.112
accentric factor	0.031	critical press.	661.312
Cp/cv	1.247	26 # GPM	0.524

CC: C. R. ADKISON
M. ALEXANDER
W. BROACH
R. A. DUNCAN
O. BRADLEY
LAB FILE