

KANSAS CORPORATION COMMISSION
MULTIPOINT BACK PRESSURE TEST

FORM G-1
8-7-58

TYPE TEST: <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special		TEST DATE: 3/15/2004			
COMPANY Castelli Exploration		LEASE Gregg		WELL NO. 1-17	
COUNTY Comanche	LOCATION SW NE SE	SECTION 17 33s 16w	TWP 16w	RNG	ACRES 400
FIELD Shimer	RESERVOIR Mississippi	PIPELINE CONNECTION ONEOK			
COMPLETION DATE 11/05/03	PLUG BACK DEPTH TOTAL DEPTH	5012 5025		PACKER SET AT none	
CASING SIZE 4.500	WT. 10.500	ID 4.052	SET AT 5025	PERF. 4967	TO 4978
TUBING SIZE NONE	WT.	ID	SET AT	PERF.	TO
TYPE COMPLETION (Describe) perf acid frac			TYPE FLUID PRODUCTION oil		
PRODUCING THRU (Annulus/Tubing) casing			RESERVOIR TEMPERATURE F 121		BAR PRESS - Pa 14.4 psia
GAS GRAVITY - Gg .614		% CARBON DIOXIDE .115	% NITROGEN 1.179		API GRAVITY OF LIQUID
VERTICAL DEPTH (ft) 4972		TYPE METER CONN. Flange		METER RUN SIZE 2.067	
REMARKS hi lo shutting well in on 4th pt					

OBSERVED SURFACE DATA

RATE NO.	ORIFICE SIZE in.	(METER) PRESSURE psig	DIFF. (h _w) (h _t)	FLOWING TEMP. t.	WELLHEAD TEMP. t.	CASING WELLHEAD PRESS.		TUBING WELLHEAD PRESS.		DURATION HOURS	LIQUID PROD. Bbls.
						psig	(P _w) (P _t) (P _c) psia	psig	(P _w) (P _t) (P _c) psia		
SHUT-IN						1028	1042				
1.	1.375	272.00	9.00	76		1016	1030			1.00	
2.	1.375	264.40	23.20	78		988	1002			1.00	
3.	1.375	293.40	57.40	71		942	956			1.00	
4.	1.375	314.60	77.60	68		888	902			.50	

FLOW STREAM ATTRIBUTES

RATE NO.	COEFFICIENT (F _b) Mcfd	(METER) PRESSURE psia	EXTENSION $\sqrt{P_m \times H_w}$	GRAVITY FACTOR Fg	FLOWING TEMP FACTOR Ft	DEVIATION FACTOR Fpv	RATE OF FLOW Q Mcfd	GOR	G _m
1.	10.460	286.4	50.77	1.2763	.9850	1.0217	682		.614
2.	10.460	278.8	80.42	1.2763	.9831	1.0209	1077		.614
3.	10.460	307.8	132.92	1.2763	.9896	1.0242	1798		.614
4.	10.460	329.0	159.78	1.2763	.9924	1.0264	2172		.614

PRESSURE CALCULATION

RATE NO.	Pt psia	Pc psia	Pw psia	(Pc) ² Thousands	(Pw) ² Thousands	PLOTING POINTS		% SHUT-IN 100 $\left[\frac{P_w - P_a}{P_c - P_a} \right]$
						(Pc) ² - (Pw) ² Thousands	Q Mcfd	
1.	1030.4	1042.4	1030.5	1086.6	1062.0	24.6	682.1	98.8
2.	1002.4	1042.4	1002.7	1086.6	1005.4	81.2	1077.6	96.1
3.	956.4	1042.4	957.2	1086.6	916.2	170.4	1798.5	91.7
4.	902.4	1042.4	903.6	1086.6	816.5	270.1	2172.8	86.5

INDICATED WELLHEAD OPEN FLOW

5223

Mcfd @ 14.65 psia

"n" = .603

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated herein and that said report is true and correct. Executed this the _____ day of _____, 20____

Witness (if any)

For Company

For Commission

Checked by

FieldNotes Field Measurements

Castelli Exploration
SW NE SE 17 33s 16w Comanche KS
Start Test Date: 2004/03/15

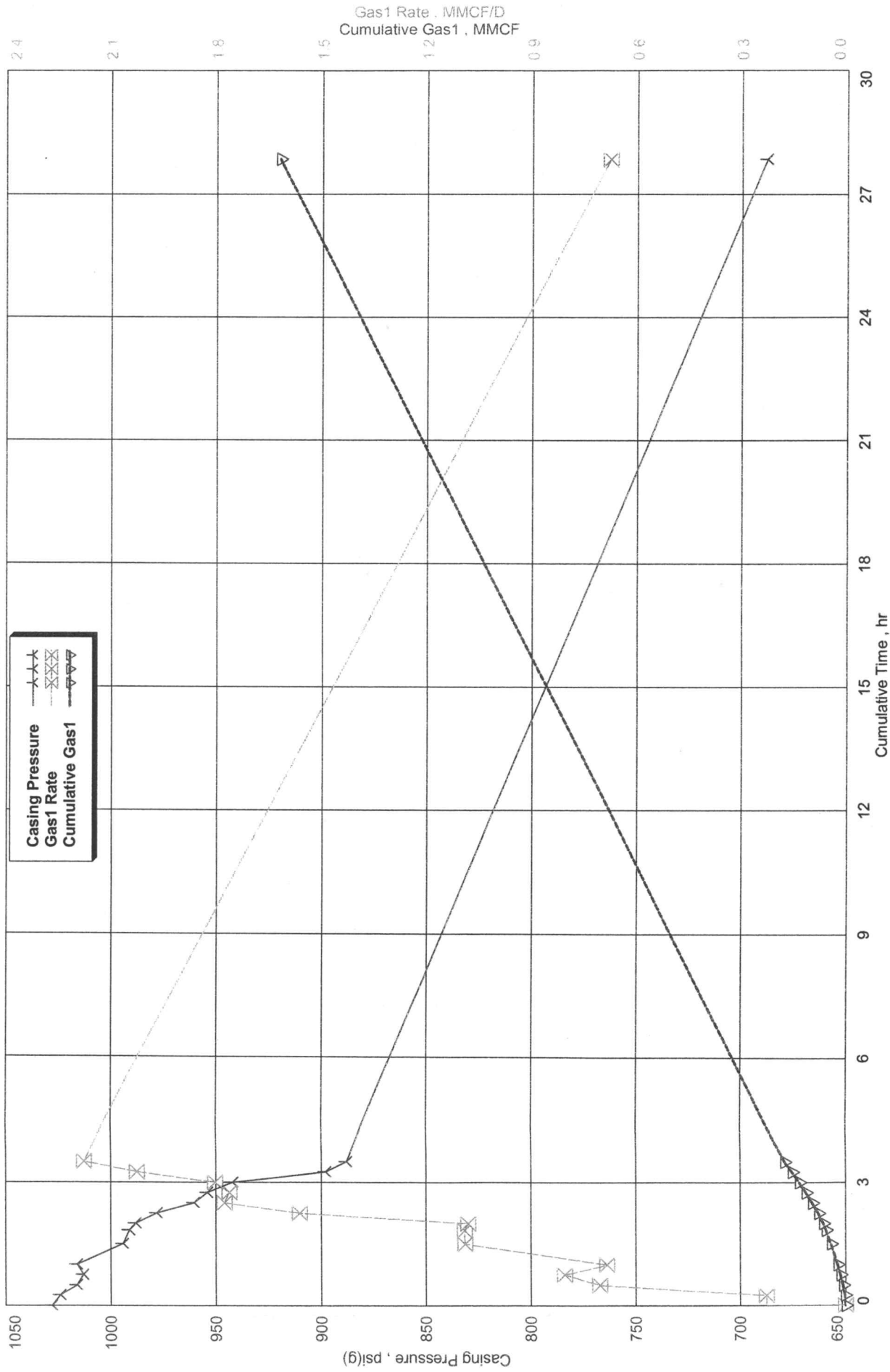
Date	Clock	Time	Comments	Casing Pres psi(g)	Diff1 Pres in of H2O	Meter1 Temp °F	Static1 Pres psi(a)	Orifice1 in	Gas1 Rate MMCF/D	Cum. Gas1 MMCF
1	2004/03/15	14:45:00	shutim							
2		14:45:00		1028.00	0.00	0.00	14.40	0.000	0.000	0.000
3		15:00:00		1024.00	1.10	66.80	249.00	1.375	0.225	0.002
4		15:15:00		1016.00	10.50	71.30	258.70		0.704	0.007
5		15:30:00		1013.00	13.00	74.60	274.10		0.804	0.015
6		15:45:00	1st pt							
7		15:45:00		1016.00	9.00	76.10	286.40		0.683	0.023
8		16:15:00		994.00	22.60	78.20	290.50		1.088	0.041
9		16:35:00		991.00	23.30	77.90	282.50		1.089	0.056
10		16:45:00	2nd pt							
11		16:45:00		988.00	23.20	77.80	278.80		1.080	0.064
12		17:00:00		978.00	47.50	77.40	284.50		1.562	0.078
13		17:15:00		960.20	57.10	72.20	301.60		1.776	0.095
14		17:30:00		954.00	54.70	71.30	308.90		1.762	0.113
15		17:45:00	3rd pt							
16		17:45:00		942.00	57.40	70.80	307.80		1.802	0.132
17		18:00:00		898.00	68.40	69.10	324.00		2.025	0.152
18		18:15:00	4th pt well shutting in at hi-lo valve							
19		18:15:00		888.00	77.60	68.30	329.00		2.177	0.174
20	2004/03/16	18:35:00	1pt							
21		18:35:00		688.00	12.30	104.30	220.50		0.678	1.621

2004/03/15 14:45:00 To 2004/03/16 18:35:00
Gas 0.174 Cum. 0.174 MMCF

Castelli Exploration
 SW NE SE 17 33s 16w Comanche KS
 Start Test Date: 2004/03/15

Gregg 1-17

Plot



Castelli Exploration
 E/2 SW sec 8 33s 16w Comanche KS
 Start Test Date: 2004/03/15
 Final Test Date: 2004/03/16

FieldNotes

Gregg Booth 1-8

Field Measurements

	Date	Clock	Time	Comments	Casing Pres	Diff1 Pres	Meter1 Temp	Static1 Pres	Orifice1	Gas1 Rate	Cum. Gas1	Measured Fld1 Lev	Fluid1 Rate
	yyyy/mm/dd	hh:mm:ss	hh:mm:ss		psig(g)	in of H2O	°F	psia(a)	in	MMCF/D	MMCF	in	bb/d
1	2004/03/15	10:25:00	10:25:00	shutin	787.00	0.00	0.00	14.40		0.000	0.000		
2		10:25:00	10:35:00		761.00	0.80	60.90	103.40	1.375	0.123	0.001	31.000	0.000
3		10:35:00	10:55:00		753.00	0.30	64.00	104.00		0.076	0.002		
4		10:55:00	11:10:00		752.00	0.30	65.40	103.60		0.076	0.003		
5		11:10:00	11:25:00	1st pt	748.00	0.30	65.00	103.50		0.076	0.004		
6		11:25:00	11:40:00		732.00	1.40	65.30	104.40		0.163	0.005		
7		11:40:00	11:55:00		721.00	1.30	66.50	104.90		0.157	0.007		
8		11:55:00	12:10:00		715.00	1.50	67.60	105.10		0.169	0.008		
9		12:10:00	12:25:00	2nd pt	712.00	1.50	68.80	106.30		0.169	0.010		
10		12:25:00	12:40:00		705.00	2.00	70.30	109.80		0.198	0.012		
11		12:40:00	12:55:00		698.00	2.30	72.80	112.90		0.215	0.014		
12		12:55:00	13:10:00		693.00	4.50	75.80	116.00		0.304	0.017		
13		13:10:00	13:25:00	fluid at surface									
14		13:25:00	13:25:00	3rd pt	729.00	26.20	82.90	128.20		0.765	0.023	31.500	7.073
15		13:25:00	13:35:00		705.00	90.00	81.30	147.90		1.530	0.030		
16		13:35:00	13:50:00		689.00	113.90	71.70	177.90		1.911	0.048		
17		13:50:00	14:05:00		668.00	146.00	65.90	207.80		2.359	0.071	34.000	150.300
18		14:05:00	14:25:00	4th pt	613.00	158.70	62.20	259.60		2.771	0.106		
19		14:25:00	18:30:00	1pt	487.40	11.10	93.80	201.10		0.620	2.090	36.000	2.821
20	2004/03/16	18:30:00	18:30:00										
21		18:30:00											
22													
23													
24													
25													

2004/03/15 10:25:00 To 2004/03/16 18:30:00

Gas 0.106 Cum. 0.106 MMCF
 Oil 5.010 Cum. 5.010 bbl
 Water 0.000 Cum. 0.000 bbl



Castelli Exploration
 E/2 SW sec 8 33s 16w Comanche KS
 Start Test Date: 2004/03/15
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Gregg Booth 1-8

Plot

