



30-025-39737

COMPANY : CML EXPLORATION, LLC
LEASE : ABENAKI "10" STATE
WELL NO. : # 1
FIELD : SANMAL (PENN)
COUNTY/STATE : LEA / NEW MEXICO

RECEIVED

AUG 30 2010

HOBBSOCD

TEST DATE : 06/02/10
D.S.T. NO. : 1
TEST TKT. NO. : 25530
INVOICE NO. : 23422
ORDER NO. :

FORMATION : LOWER PADDOCK
INTERVAL (ft) : 6182 TO 6217
TOTAL DEPTH (ft): 6217
ELEVATION (ft) :

HOLE SIZE (in) : 7.875
DRILL PIPE ID (in) : 3.82
DRILL COLLAR ID(in): 2.25
DRILL COLLAR feet : 723

ANCHOR LENGTH (ft): 35
TOOL LENGTH (ft) : 73
TOOL O.D. (in) : 5
PACKER SIZE (in) : 7.00

RECORDER DATA
AK-1KUSTER / STELLAR

TOP RECORDER: IN
RECORDER NO. : 22244
CAPACITY (psi): 10000
DEPTH (ft) : 6189
CLOCK NO. : 22244
DURATION (hrs): 99

BOTTOM RECORDER: OUT
RECORDER NO. : 6847
CAPACITY (psi): 7100
DEPTH (ft) : 6217
CLOCK NO. : 18543
DURATION (hrs): 24

MUD PROPERTIES

MUD TYPE : FRESH WATER
MUD WT. (#/gal) : 8.40

WATER LOSS (cc) :
FILTER CAKE (in) :
VISCOSITY (sec) : 28

CHLORIDE PPM : 900
RESISTIVITY(ohm-m): 3.10

EQUIPMENT DATA

CONVENTIONAL : YES
STRADDLE : NO
SELECTIVE ZONE : NO
SAMPLE CHAMBER : YES
GAS ANALYSIS : NO

ROTARY JARS : YES
NO. OF PACKERS : 2
SAFETY JOINT : YES
CIRCULATING SUB : YES
REVERSED OUT : NO

MULTIFLOW : NO
MILEAGE : NO
OPERATOR TIME : YES
OTHER : YES
STELLAR ELECTRONICS(2)

SUCCESSFUL : YES

PACKER FAILURE : NO

TOOL PLUG : NO

DECIDED NOT TO TEST : NO

FAIL TO REACH BOTTOM : NO

TIME INTERVAL DATA (min)

TOOL OPENED : 9:05 AM

TOTAL TEST TIME: 272

INITIAL FLOW : 33
SECOND FLOW : 60
THIRD FLOW :

INITIAL SHUT-IN: 59
SECOND SHUT-IN : 119
THIRD SHUT IN :

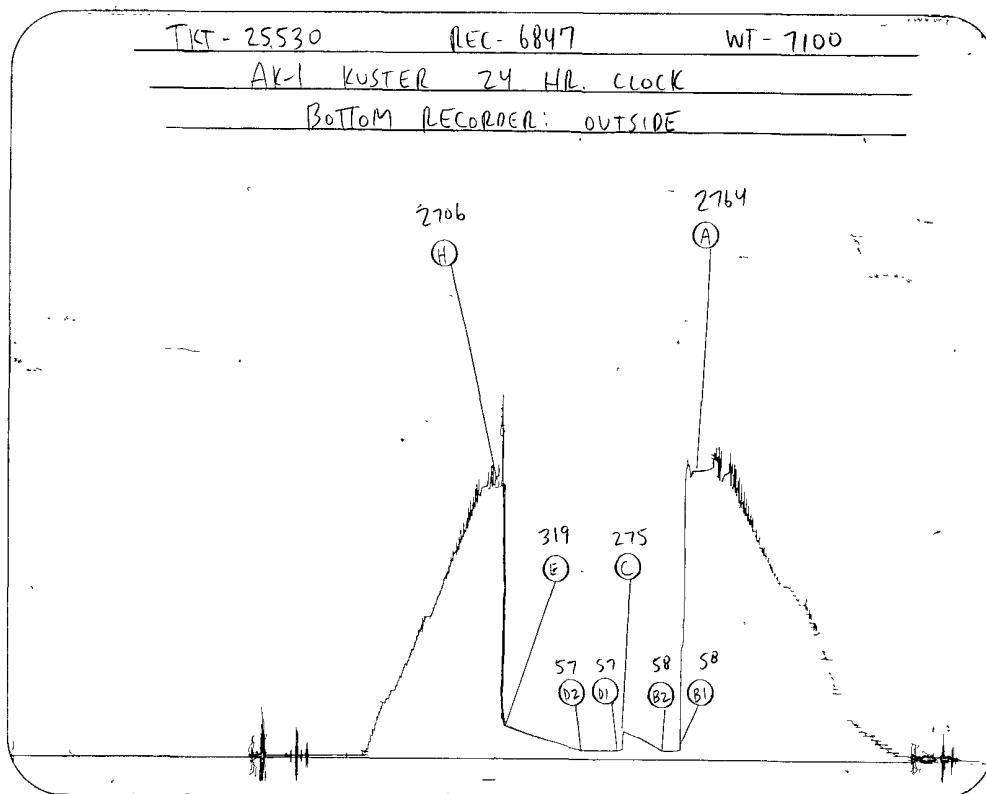
TEST TOOL OPERATOR: PAUL MYERS



CML EXPLORATION, LLC

ABENAKI "10" STATE # 1
D.S.T. NO. :1

	CORRECTED READING	FIELD READING
A INITIAL HYDROSTATIC:	2752 PSI	2762 PSI
B-1 INITIAL FIRST FLOW :	42 PSI	42 PSI
B-2 FINAL FIRST FLOW :	56 PSI	56 PSI
C FIRST SHUT-IN :	263 PSI	262 PSI
D-1 INITIAL SECOND FLOW:	47 PSI	48 PSI
D-2 FINAL SECOND FLOW :	61 PSI	59 PSI
E SECOND SHUT-IN :	307 PSI	305 PSI
H FINAL HYDROSTATIC :	2694 PSI	2698 PSI



PIPE RECOVERY

RECOVERY DATA

B.H. TEMP. (deg F) : 112

SAMPLE CHAMBER

200 FT. OF WEAK GAS IN COLLARS
65 FT. OF HEAVY OIL & GAS CUT MUD (50% OIL)

32 LBS. OF PRESSURE
0.01 CU. FT. OF GAS
.2000 CC'S OIL & GAS CUT MUD
(50% OIL)

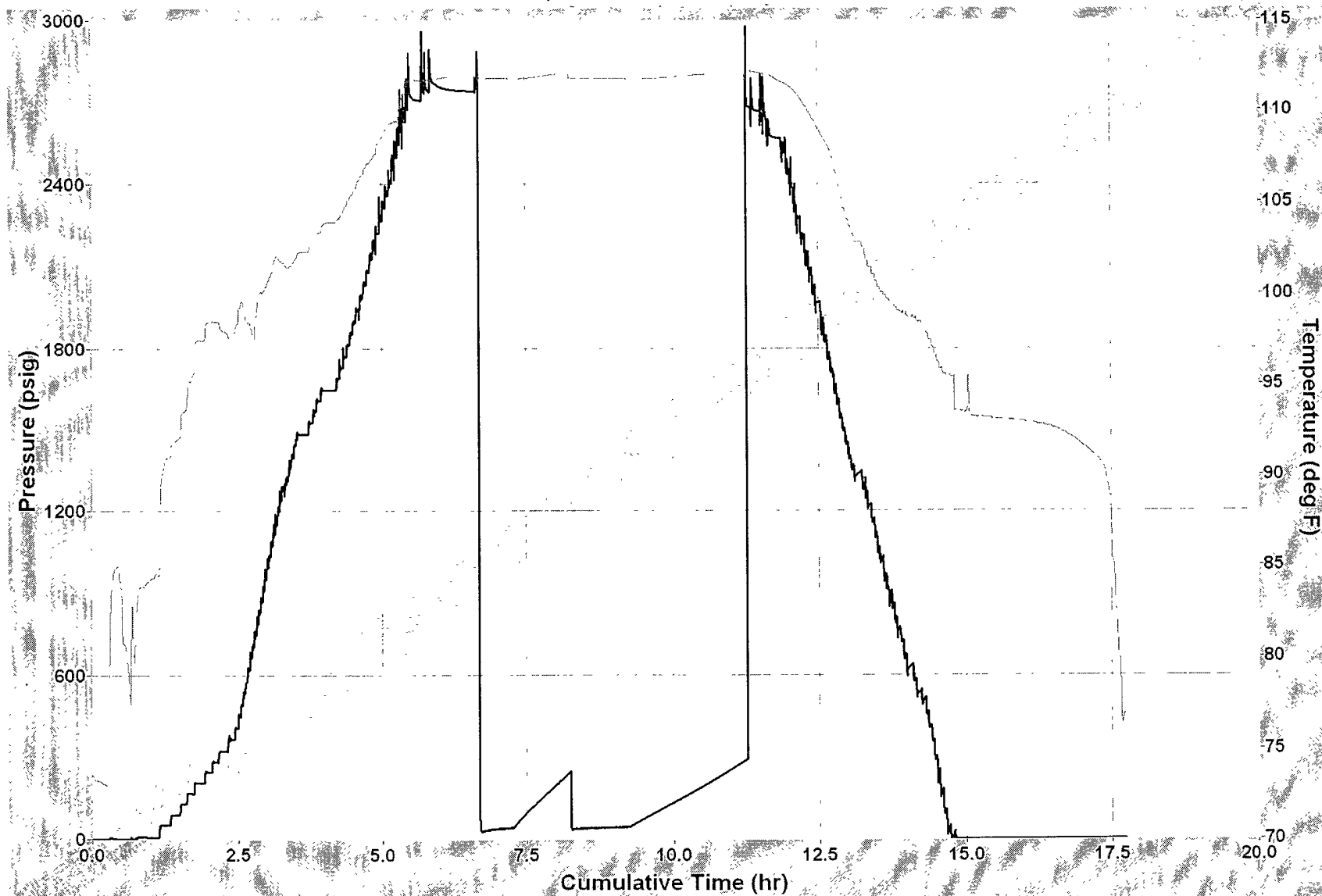
TEST REMARKS

TOOL OPENED WITH A WEAK BLOW WHICH BUILT TO GOOD BLOW (BOTTOM OF BUCKET) IN 6 MIN., 7 OZS. ON 1/8" CHOKE IN 10 MIN., 9 OZS. IN 20 MIN. & REMAINED THROUGHOUT THE 35 MIN. FIRST FLOW. REOPENED TOOL WITH A GOOD BLOW ON 1/8" CHOKE WITH 9 OZS. IN 15 MIN., 7 OZS. IN 30 MIN., 7 OZS. IN 45 MIN. & REMAINED THROUGHOUT THE 60 MIN. FINAL FLOW PERIOD.

Company Name CML EXPLORATION, LLC
Well Name ABENAKI "10" STATE #1
Type of Test DST #1 (6182-6217 FT , LOWER PADDOCK)
Date(s) of Test 6-2-10



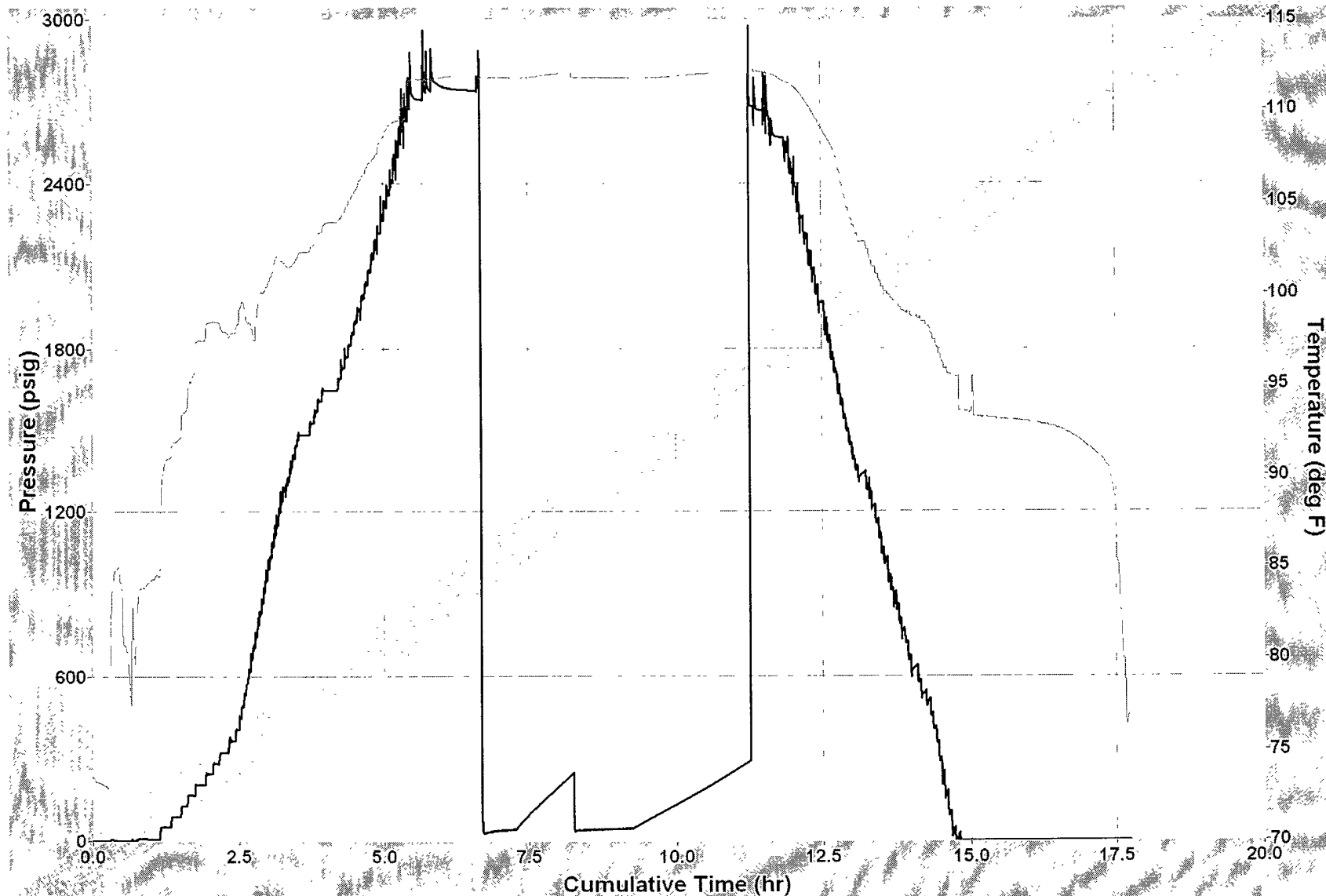
RIG TESTERS, INC. RECORDER# 22244



Company Name CML EXPLORATION, LLC
Well Name ABENAKI "10" STATE #1
Type of Test DST #1 (6182-6217 FT , LOWER PADDOCK)
Date(s) of Test 6-2-10



RIG TESTERS, INC. RECORDER# 22243



INCREMENTAL PRESSURE DATA

RECORDER NO : 22244

RECORDER CAPACITY : 10000 psi

RECORDER DEPTH : 6189 ft

ELAPSED TIME ---MIN---	TOTAL FLOW TIME, T ---MIN---	INCREMENTAL SHUT-IN TIME, DT ---MIN---	(T+DT)/DT (HORNER) -----	PRESSURE ---PSIG---	DELTA P ---PSIG---
FIRST FLOW					
.0	.0			42.90	.00
2.0	2.0			43.73	.83
4.0	4.0			46.18	3.28
6.0	6.0			48.00	5.10
8.0	8.0			49.45	6.55
10.0	10.0			50.30	7.40
12.0	12.0			50.70	7.80
14.0	14.0			49.71	6.81
16.0	16.0			51.82	8.92
18.0	18.0			51.90	9.00
20.0	20.0			53.74	10.84
22.0	22.0			53.67	10.77
24.0	24.0			53.20	10.30
26.0	26.0			53.96	11.06
28.0	28.0			55.33	12.43
30.0	30.0			56.10	13.20
32.0	32.0			57.18	14.28
33.2	33.2			56.00	13.10
FIRST SHUT-IN					
33.2	33.2	.00	.000	56.00	.00
33.7	33.2	.50	67.480	58.29	2.29
34.2	33.2	1.00	34.240	60.55	4.55
34.7	33.2	1.50	23.160	62.70	6.70
35.2	33.2	2.00	17.620	64.98	8.98
35.7	33.2	2.50	14.296	67.13	11.13
36.2	33.2	3.00	12.080	69.10	13.10
36.7	33.2	3.50	10.497	71.28	15.28
37.2	33.2	4.00	9.310	73.42	17.42
37.7	33.2	4.50	8.387	75.20	19.20
38.2	33.2	5.00	7.648	77.48	21.48
39.2	33.2	6.00	6.540	81.30	25.30
40.2	33.2	7.00	5.749	85.43	29.43
41.2	33.2	8.00	5.155	89.28	33.28
42.2	33.2	9.00	4.693	93.10	37.10
43.2	33.2	10.00	4.324	97.11	41.11
45.2	33.2	12.00	3.770	104.40	48.40
47.2	33.2	14.00	3.374	111.77	55.77
49.2	33.2	16.00	3.078	119.12	63.12
51.2	33.2	18.00	2.847	126.00	70.00
53.2	33.2	20.00	2.662	133.07	77.07
56.2	33.2	23.00	2.445	143.48	87.48
59.2	33.2	26.00	2.278	153.58	97.58
62.2	33.2	29.00	2.146	163.67	107.67
65.2	33.2	32.00	2.039	173.66	117.66

INCREMENTAL PRESSURE DATA

RECORDER NO : 22244

RECORDER CAPACITY : 10000 psi

RECORDER DEPTH : 6189 ft

ELAPSED TIME ---MIN---	TOTAL FLOW TIME, T ---MIN---	INCREMENTAL SHUT-IN TIME, DT ---MIN---	(T+DT)/DT (HORNER) -----	PRESSURE ---PSIG---	DELTA P ---PSIG---
FIRST SHUT-IN					
68.2	33.2	35.00	1.950	183.48	127.48
71.2	33.2	38.00	1.875	193.37	137.37
74.2	33.2	41.00	1.811	203.27	147.27
77.2	33.2	44.00	1.755	213.17	157.17
80.2	33.2	47.00	1.707	223.07	167.07
83.2	33.2	50.00	1.665	233.07	177.07
86.2	33.2	53.00	1.627	243.07	187.07
89.2	33.2	56.00	1.594	253.17	197.17
92.5	33.2	59.22	1.561	263.80	207.80
SECOND FLOW					
93.2	34.0			47.30	.00
96.2	37.0			52.00	4.70
99.2	40.0			53.50	6.20
102.2	43.0			53.40	6.10
105.2	46.0			55.90	8.60
108.2	49.0			53.50	6.20
111.2	52.0			55.10	7.80
114.2	55.0			55.30	8.00
117.2	58.0			57.20	9.90
120.2	61.0			56.70	9.40
123.2	64.0			57.00	9.70
126.2	67.0			55.10	7.80
129.2	70.0			56.40	9.10
132.2	73.0			57.00	9.70
135.2	76.0			58.30	11.00
138.2	79.0			57.10	9.80
141.2	82.0			58.50	11.20
144.2	85.0			58.70	11.40
147.2	88.0			59.60	12.30
150.2	91.0			60.30	13.00
153.2	94.0			61.90	14.60
SECOND SHUT-IN					
153.2	94.0	.00	.000	61.90	.00
154.2	94.0	1.00	95.020	64.18	2.28
155.2	94.0	2.00	48.010	66.44	4.54
156.2	94.0	3.00	32.340	68.40	6.50
157.2	94.0	4.00	24.505	70.57	8.67
158.2	94.0	5.00	19.804	72.55	10.65

INCREMENTAL PRESSURE DATA

RECORDER NO : 22244

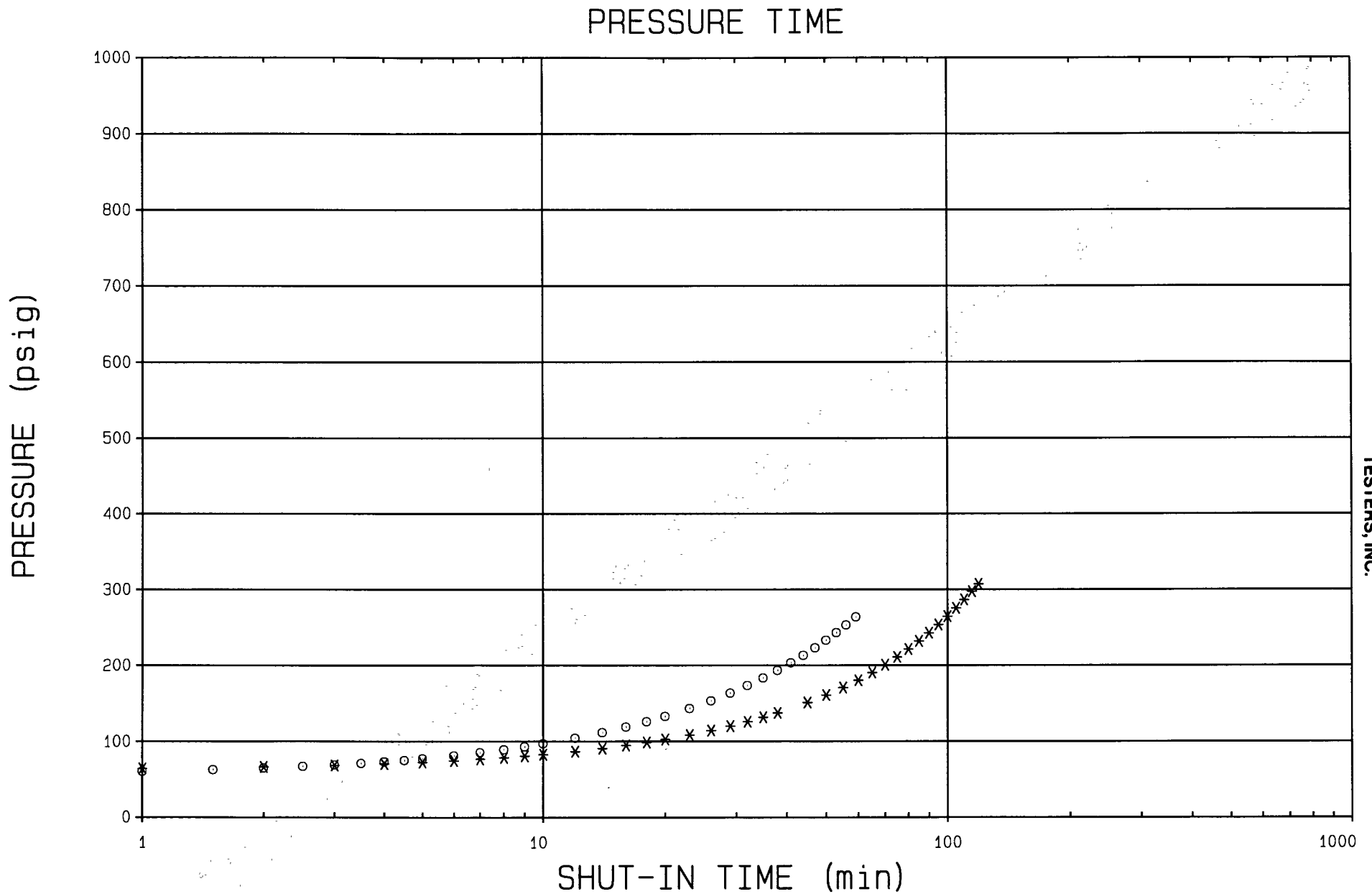
RECORDER CAPACITY : 10000 psi

RECORDER DEPTH : 6189 ft

ELAPSED TIME ---MIN----	TOTAL FLOW TIME, T ---MIN----	INCREMENTAL SHUT-IN TIME, DT ---MIN----	(T+DT)/DT (HORNER) -----	PRESSURE ---PSIG---	DELTA P ---PSIG---
SECOND SHUT-IN					
159.2	94.0	6.00	16.670	74.60	12.70
160.2	94.0	7.00	14.431	76.77	14.87
161.2	94.0	8.00	12.753	78.64	16.74
162.2	94.0	9.00	11.447	80.70	18.80
163.2	94.0	10.00	10.402	82.77	20.87
165.2	94.0	12.00	8.835	86.70	24.80
167.2	94.0	14.00	7.716	90.74	28.84
169.2	94.0	16.00	6.876	94.77	32.87
171.2	94.0	18.00	6.223	98.60	36.70
173.2	94.0	20.00	5.701	102.63	40.73
176.2	94.0	23.00	5.088	108.44	46.54
179.2	94.0	26.00	4.616	114.34	52.44
182.2	94.0	29.00	4.242	120.13	58.23
185.2	94.0	32.00	3.938	125.94	64.04
188.2	94.0	35.00	3.686	131.74	69.84
191.2	94.0	38.00	3.474	137.44	75.54
198.2	94.0	45.00	3.089	151.10	89.20
203.2	94.0	50.00	2.880	160.94	99.04
208.2	94.0	55.00	2.709	170.75	108.85
213.2	94.0	60.00	2.567	180.40	118.50
218.2	94.0	65.00	2.446	190.45	128.55
223.2	94.0	70.00	2.343	200.68	138.78
228.2	94.0	75.00	2.254	210.90	149.00
233.2	94.0	80.00	2.175	221.25	159.35
238.2	94.0	85.00	2.106	231.87	169.97
243.2	94.0	90.00	2.045	242.60	180.70
248.2	94.0	95.00	1.990	253.54	191.64
253.2	94.0	100.00	1.940	264.47	202.57
258.2	94.0	105.00	1.895	275.40	213.50
263.2	94.0	110.00	1.855	286.44	224.54
268.2	94.0	115.00	1.818	297.48	235.58
272.7	94.0	119.46	1.787	307.20	245.30

REMARKS

THE INCREMENTAL DATA, CHARTS & ANALYSIS ARE FROM THE ELECTRONIC RECORDER.
 PLEASE REFER TO DERIVATIVE DIAGNOSTICS ANALYSIS FOR FURTHER INFORMATION
 (PRESSURE ASCII FILES ARE AVAILABLE E-MAIL OR DISKETTE UPON REQUEST)



CML EXPLORATION, LLC
ABENAKI "10" STATE # 1

○ FIRST SHUT-IN
* SECOND SHUT-IN



RigTesters, Inc.
ABILENE - MIDLAND - GRAHAM

CML EXPLORATION, LLC ABENAKI "10" STATE #1



Well identification

Well ID	ABENAKI "10" ST.#1	Well location	N.W. HOBBS
County/District	LEA	State, Country	NEW MEXICO
Company	CML EXPLO., LLC	Division	SNYDER

Fluid properties

Prod/Inj fluid	OIL	GOR	500:1
Water cut	0%	Condensate yield	UNKNOWN
API gravity	EST. 40.0	Gas spec. grav.	0.7
Viscosity	0.97608 cp	Pseudo-critical T	382.97 deg R
Pseudo-critical P	664.37 psia	H2S mole fraction	UNKNOWN
CO2 mole fraction	UNKNOWN	N2 mole fraction	UNKNOWN
Compressibility(t)	17.582 e-6/psi	Formation vol factor	1.2595 RB/STB

Reservoir properties

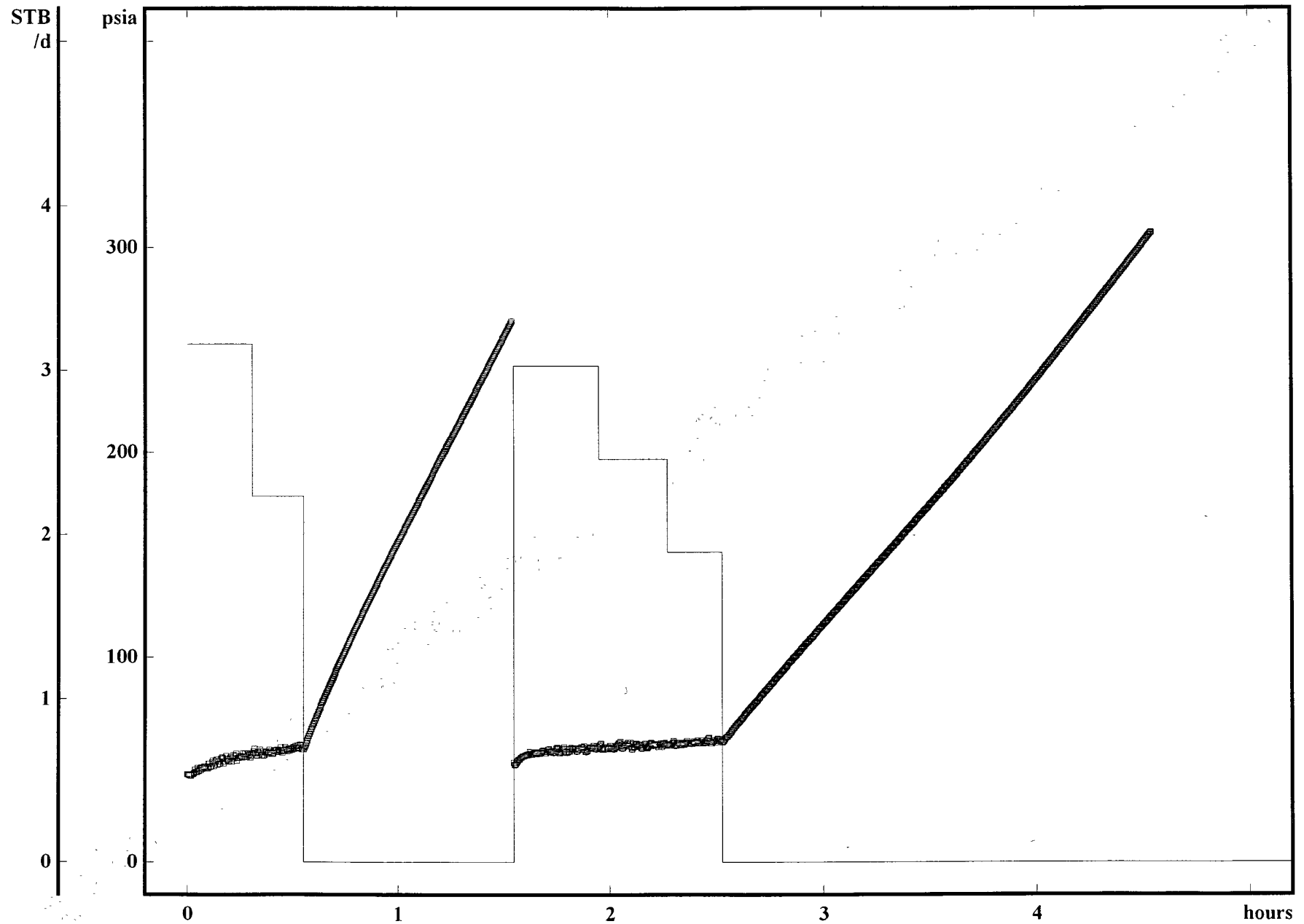
Porosity	0.1 frac	Formation thickness	26 ft
Wellbore radius	0.32813 ft	Prod-observer distance	N/A
Water-Oil Contact	UNKNOWN	Gas-Oil Contact	N/A
Gas-Water Contact	N/A	Rock compressibility	
Reservoir temperature	112 deg F	Pressure for properties	2486 psia

Comments

THE DERIVATIVES INDICATE DOMINATION OF WELLBORE STORAGE EFFECT ON BOTH SHUT-IN PERIODS. ANY CALCULATIONS (EXTRAPOLATIONS, PERMEABILITY AND SKIN) UNDER THESE CONDITIONS ARE AMBIGUOUS AND UNRELIABLE. THE FIXED PARAMETERS USED WERE AN EST. 10% POROSITY, 26 FT. OF NET PAY REPORTED AND AN AVERAGE (TIME WEIGHTED) PRODUCTION OF 2.4 BOPD FOR THE FINAL FLOW PERIOD. THE RATES WERE BASED ON DENSITY OF FLUIDS RECOVERED VS. FLOWING PRESSURES. * THE OVERALL TEST INDICATES A RESERVOIR WITH LOW POROSITY & VERY LOW PERMEABILITY.

CML EXPLORATION, LLC ABENAKI "10" STATE #1

Pressure and flow rate vs time during test sequence

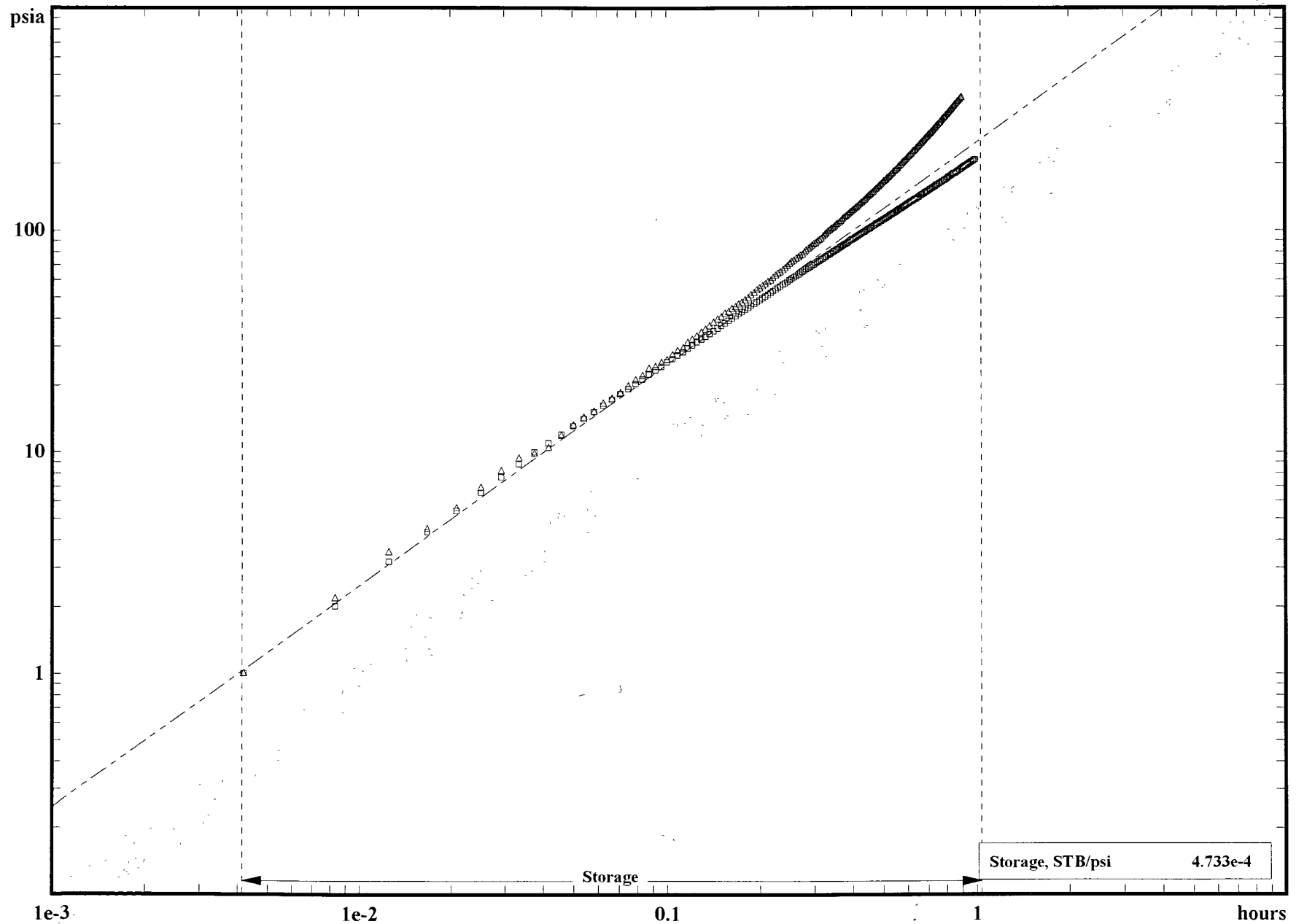


DST #1 6182 - 6217 FT.; LOWER PADDOCK



CML EXPLORATION, LLC ABENAKI "10" STATE #1

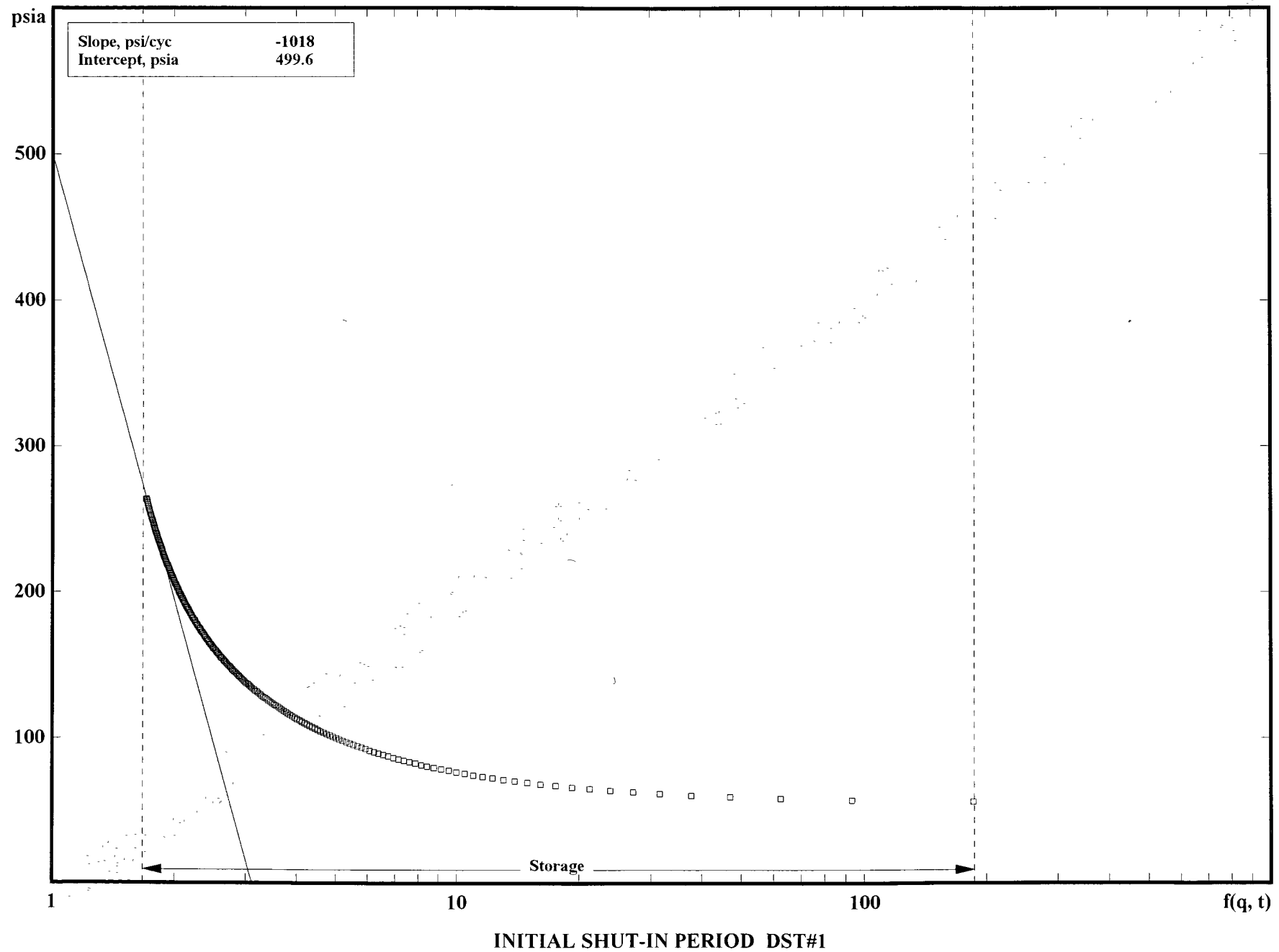
Diagnostic plot (pressure & time)



INITIAL SHUT-IN PERIOD DST#1

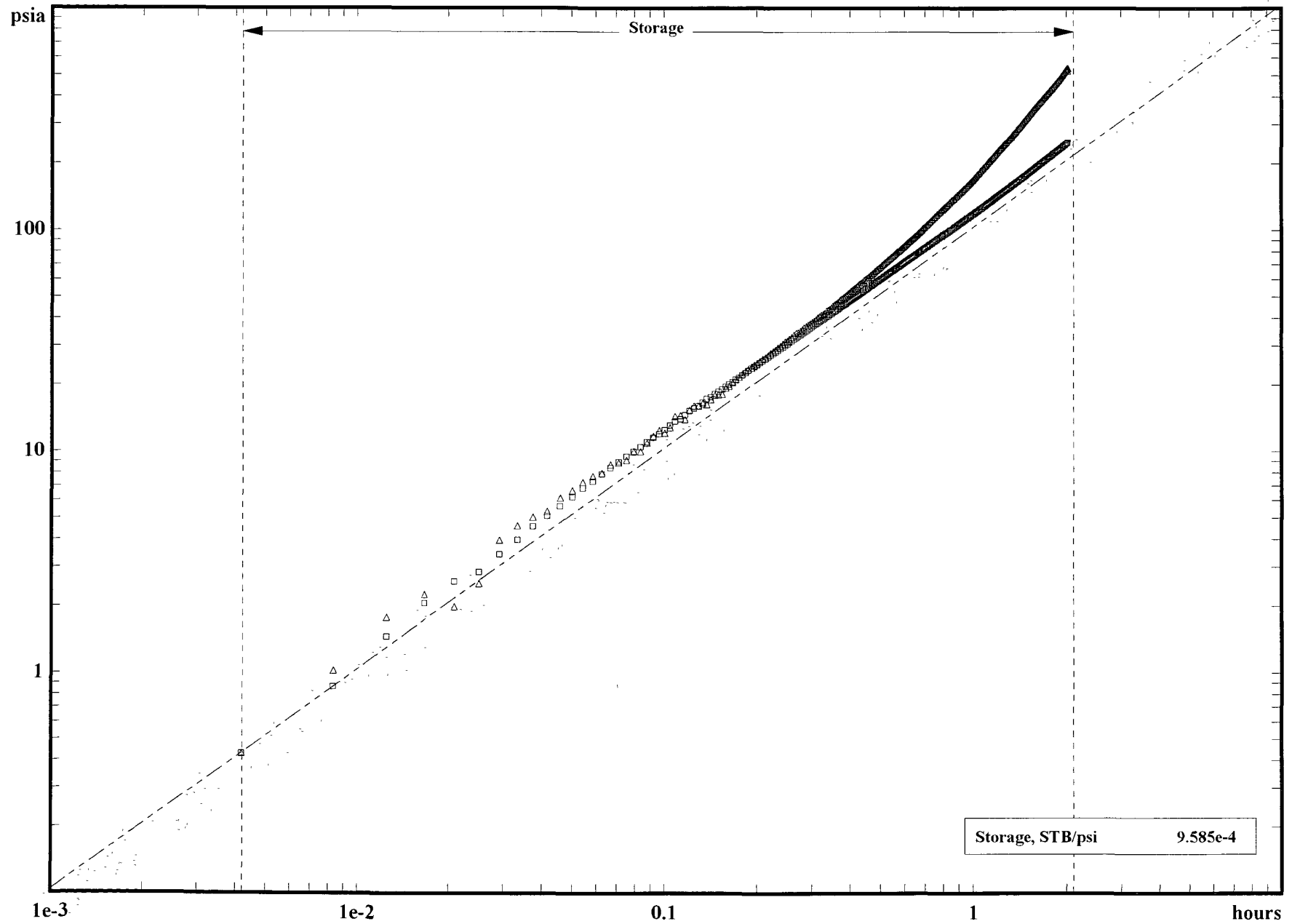
CML EXPLORATION, LLC ABENAKI "10" STATE #1

Variable rate Horner plot (pressure & time)



CML EXPLORATION, LLC ABENAKI "10" STATE #1

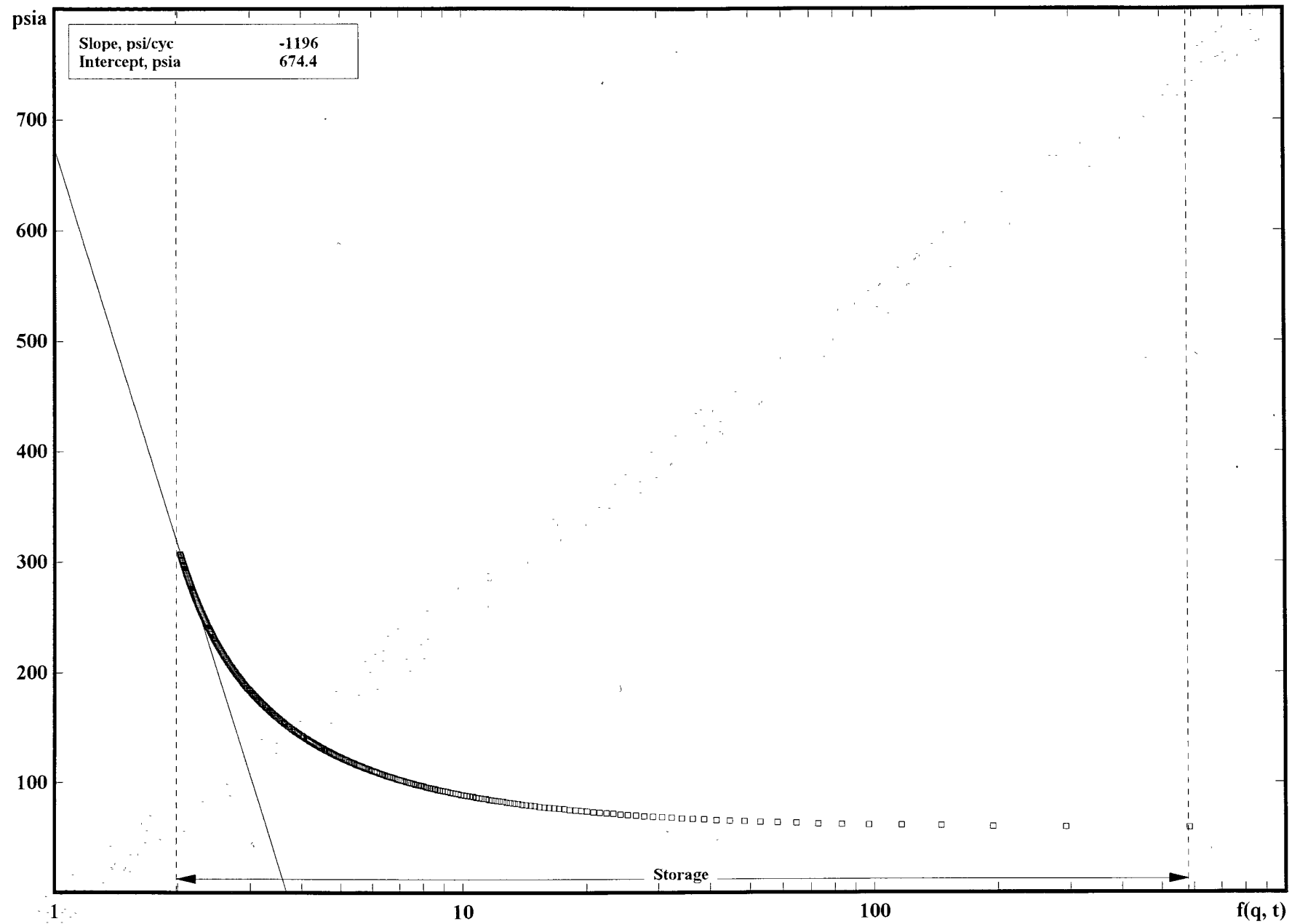
Diagnostic plot (pressure & time)



FINAL SHUT-IN PERIOD DST#1

CML EXPLORATION, LLC ABENAKI "10" STATE #1

Variable rate Horner plot (pressure & time)



FINAL SHUT-IN PERIOD DST#1

FORMATION
TEST REPORT



CORPORATE OFFICE:

ABILENE, TEXAS
P.O. BOX 172-79604
325-673-2771

MIDLAND OFFICE
3218 COMMERCIAL DR. 79701
432-570-0421

GRAHAM OFFICE
P.O. BOX 543-76450
940-549-5681