

check Dist?



DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co**
250 N Water Suite 300
Wichita, KS 67202

ATTN: Paul Gunzelman

22-2-27w Decatur KS

Long Simpson 2-22

Start Date: 2001.02.05 @ 12:30:00
End Date: 2001.02.09 @ 00:19:00
Job Ticket #: 13570 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Murfin Drilling Co
Long Simpson 2-22
22-2-27w Decatur KS
DST #: 1
Pollnow
2001.02.05



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Co
250 N Water Suite 300
Wichita, KS 67202
ATTN: Paul Gunzelman

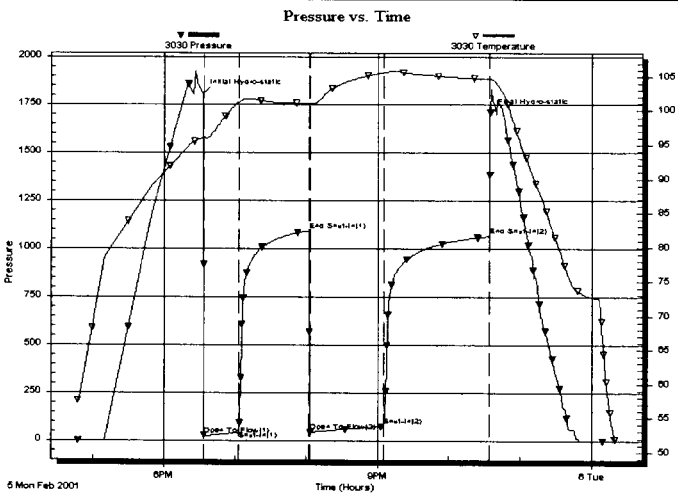
Long Simpson 2-22
22-2-27w Decatur KS
Job Ticket: 13570 **DST#: 1**
Test Start: 2001.02.05 @ 12:30:00

GENERAL INFORMATION:

Formation: **Pollnow**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:33:17
Time Test Ended: 00:19:00
Interval: **3555.00 ft (KB) To 3573.00 ft (KB) (TVD)**
Total Depth: 3573.00 ft (KB)
Hole Diameter: 7.85 inches Hole Condition: Fair
Reference Elevations: 2657.00 ft (KB)
2652.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: **3030** Inside
Press@RunDepth: 77.95 psig @ 3561.01 ft (KB)
Start Date: 2001.02.05 End Date: 2001.02.06
Start Time: 16:47:34 End Time: 00:19:47
Capacity: 7000.00 psig
Last Calib.: 2001.02.05
Time On Btm: 2001.02.05 @ 18:33:02
Time Off Btm: 2001.02.05 @ 22:34:47

TEST COMMENT: IF Weak blow @ surf building
to 7" below surf in 30mn
FF weak blow @ surf building
to 9" below surf



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
106	1807.66	96.08	Initial Hydro-static
106	27.68	96.08	Open To Flow (1)
136	43.64	101.28	Shut-In(1)
195	1093.21	101.08	End Shut-In(1)
195	44.87	101.08	Open To Flow (2)
258	77.95	105.64	Shut-In(2)
347	1065.99	104.68	End Shut-In(2)
348	1706.77	104.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	oil	0.03
130.00	muddy water 25% mud 75% water	1.82

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

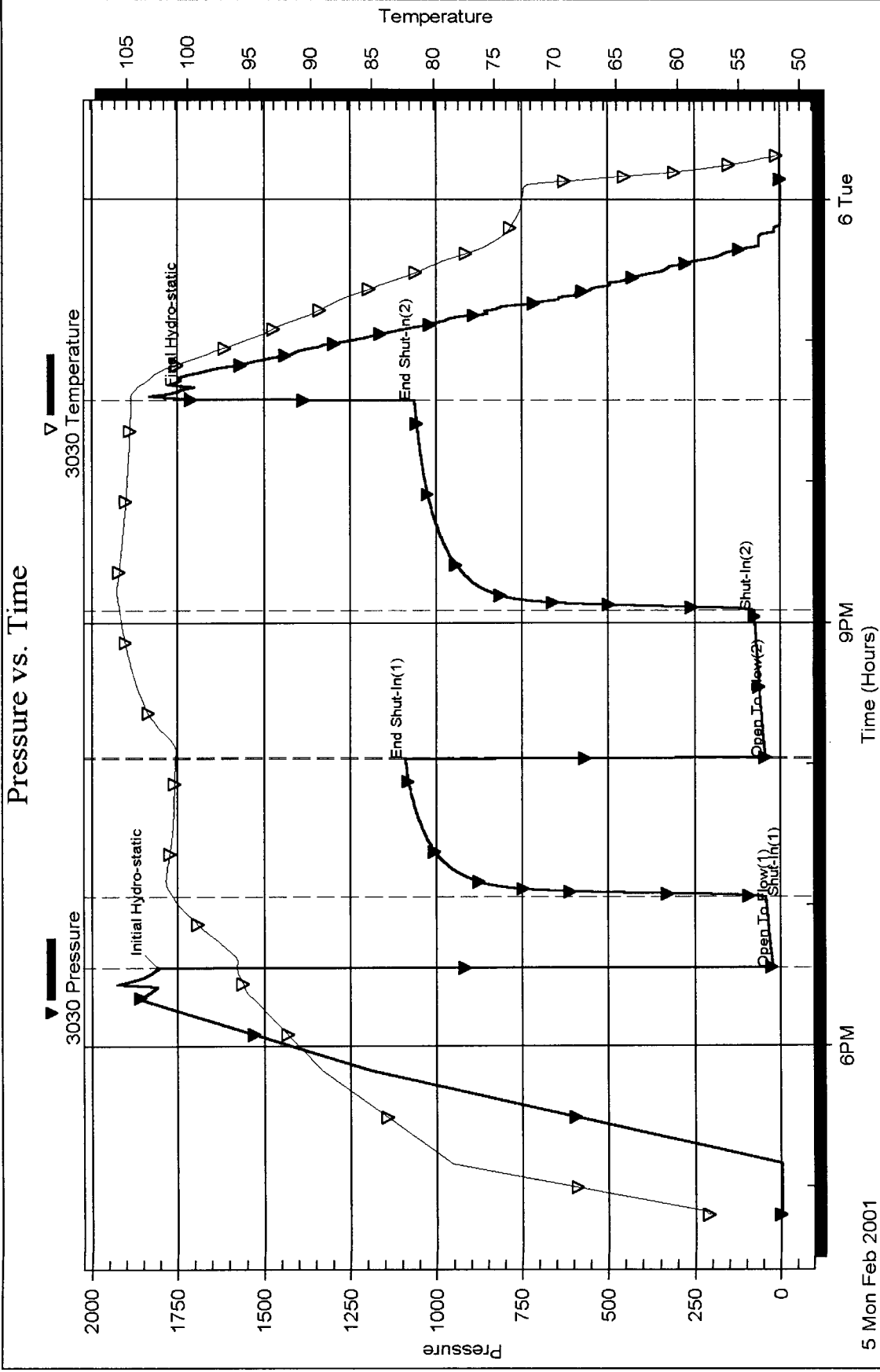
Serial #: 3030

Inside

Murfin Drilling Co

22-2-27w Decatur KS

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co**

250 N Water Suite 300
Wichita, KS 67202

ATTN: Paul Gunzelman

22-2-27w Decatur KS

Long Simpson 2-22

Start Date: 2001.02.06 @ 06:00:00

End Date: 2001.02.08 @ 15:18:00

Job Ticket #: 13571 DST #: 2

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DRILL STEM TEST REPORT

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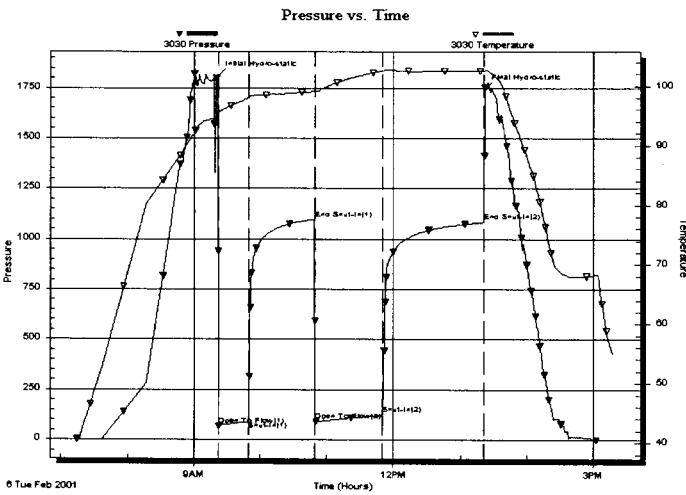
Long Simpson 2-22
22-2-27w Decatur KS
Job Ticket: 13571 **DST#: 2**
Test Start: 2001.02.06 @ 06:00:00

GENERAL INFORMATION:

Formation: **Lancing C-D**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: 09:22:22
 Time Test Ended: 15:18:00
 Interval: **3572.00 ft (KB) To 3597.00 ft (KB) (TVD)**
 Total Depth: 3597.00 ft (KB)
 Hole Diameter: 7.85 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: Jack Fox
 Unit No: 10
 Reference Elevations: 2657.00 ft (KB)
 2652.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: **3030** Inside
 Press@RunDepth: 123.07 psig @ 3578.01 ft (KB) Capacity: 7000.00 psig
 Start Date: 2001.02.06 End Date: 2001.02.06 Last Calib.: 2001.02.05
 Start Time: 07:14:24 End Time: 15:18:22 Time On Btm: 2001.02.06 @ 09:22:07
 Time Off Btm: 2001.02.06 @ 13:21:37

TEST COMMENT: IF weak blow @ surf building
 to 6" below surf
 FF weak blow @ surf building
 to 6" below surf



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
128	1808.84	95.60	Initial Hydro-static
128	67.82	95.64	Open To Flow (1)
155	88.24	98.07	Shut-In(1)
215	1095.77	99.14	End Shut-In(1)
216	91.51	99.14	Open To Flow (2)
276	123.07	102.55	Shut-In(2)
367	1082.10	102.60	End Shut-In(2)
368	1743.64	102.61	Final Hydro-static

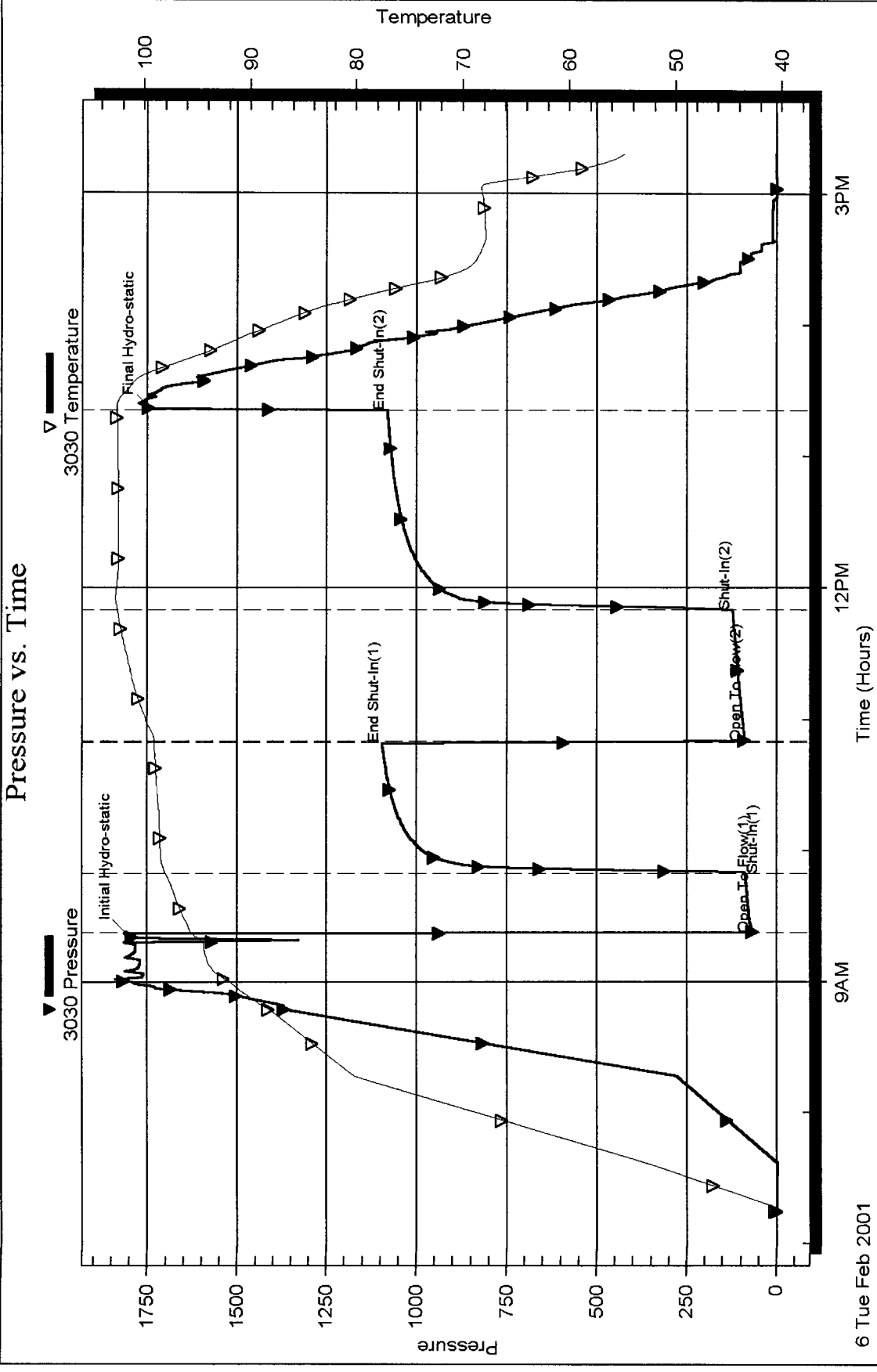
Recovery

Length (ft)	Description	Volume (bbl)
2.00	oil	0.02
210.00	muddy water 20% mud 80% water	2.16

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co**

250 N Water Suite 300
Wichita, KS 67202

ATTN: Paul Gunzelman

22-2-27w Decatur KS

Long Simpson 2-22

Start Date: 2001.02.06 @ 23:17:00

End Date: 2001.02.08 @ 08:08:00

Job Ticket #: 13572 DST #: 3

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DRILL STEM TEST REPORT

Murfin Drilling Co

250 N Water Suite 300
Wichita, KS 67202

ATTN: Paul Gunzelman

Long Simpson 2-22

22-2-27w Decatur KS

Job Ticket: 13572

DST#: 3

Test Start: 2001.02.06 @ 23:17:00

GENERAL INFORMATION:

Formation: **Lansing G**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:42:34

Time Test Ended: 08:08:00

Test Type: Conventional Bottom Hole

Tester: Jack Fox

Unit No: 10

Interval: **3593.00 ft (KB) To 3640.00 ft (KB) (TVD)**

Total Depth: 3640.00 ft (KB)

Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 2657.00 ft (KB)

2652.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: **3030** Inside

Press@RunDepth: 55.46 psig @ 3599.01 ft (KB)

Start Date: 2001.02.06

End Date:

2001.02.07

Start Time: 23:17:21

End Time:

08:08:19

Capacity: 7000.00 psig

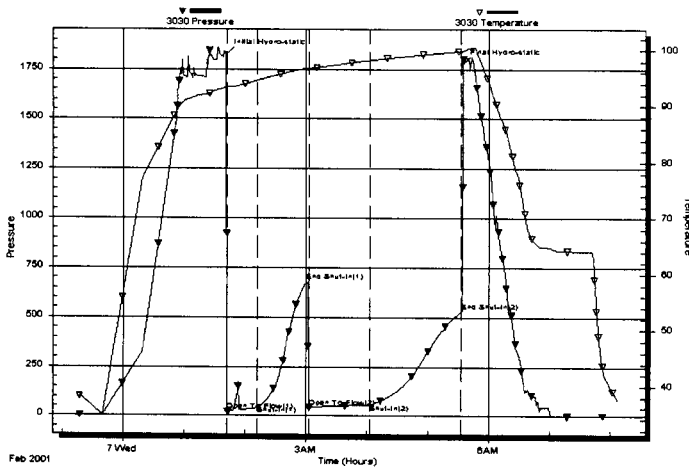
Last Calib.: 2001.02.05

Time On Btm: 2001.02.07 @ 01:42:04

Time Off Btm: 2001.02.07 @ 05:34:49

TEST COMMENT: IF weak blow @ surf
FF weak blow @ surf building
to 5" below surf

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
145	1825.51	93.45	Initial Hydro-static
146	20.33	93.48	Open To Flow (1)
175	44.00	94.63	Shut-In(1)
224	675.42	96.78	End Shut-In(1)
226	41.28	96.82	Open To Flow (2)
286	55.46	98.22	Shut-In(2)
376	530.04	99.85	End Shut-In(2)
378	1778.92	99.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
130.00	Oil cut mud 15% oil 85% mud	0.99

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

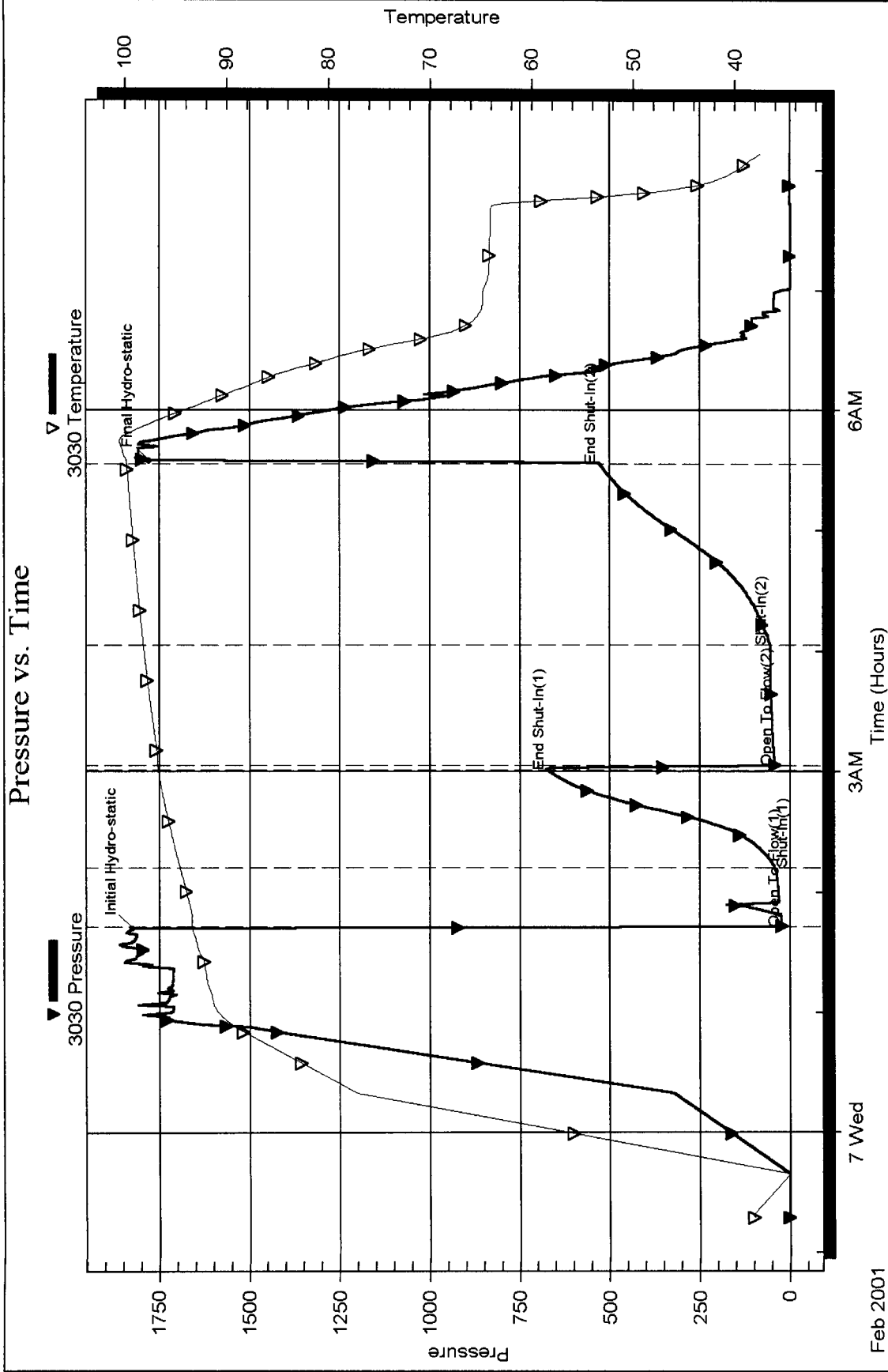
Serial #: 3030

Inside

Murfin Drilling Co

22-2-27w Decatur KS

Pressure vs. Time





DRILL STEM TEST REPORT

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250 N Water Suite 300
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ATTN: Paul Gunzelman

22-2-27w Decatur KS

Long Simpson 2-22

Start Date: 2001.02.07 @ 13:45:00

End Date: 2001.02.08 @ 20:47:00

Job Ticket #: 13573 DST #: 4

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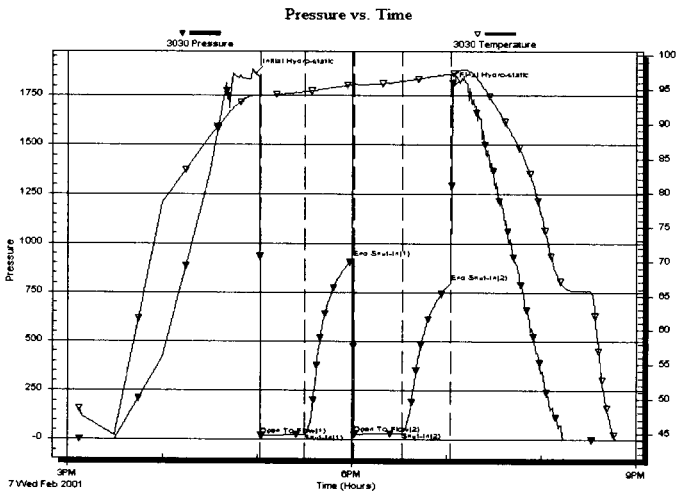
Long Simpson 2-22
22-2-27w Decatur KS
Job Ticket: 13573 **DST#: 4**
Test Start: 2001.02.07 @ 13:45:00

GENERAL INFORMATION:

Formation: **K C H**
 Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Bottom Hole**
 Time Tool Opened: **17:01:56** Tester: **Jack Fox**
 Time Test Ended: **20:47:00** Unit No: **10**
 Interval: **3630.00 ft (KB) To 3659.00 ft (KB) (TVD)** Reference Elevations: **2657.00 ft (KB)**
 Total Depth: **3659.00 ft (KB)** **2652.00 ft (CF)**
 Hole Diameter: **7.85 inches** Hole Condition: **Fair** KB to GR/CF: **5.00 ft**

Serial #: **3030** Inside
 Press@RunDepth: **36.71 psig @ 3636.01 ft (KB)** Capacity: **7000.00 psig**
 Start Date: **2001.02.07** End Date: **2001.02.07** Last Calib.: **2001.02.05**
 Start Time: **15:07:28** End Time: **20:47:11** Time On Btm: **2001.02.07 @ 16:58:56**
 Time Off Btm: **2001.02.07 @ 19:03:26**

TEST COMMENT: IF weak blow @ surf
FF no blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
112	1861.18	94.20	Initial Hydro-static
115	19.11	94.26	Open To Flow (1)
143	29.00	94.72	Shut-In(1)
173	918.25	95.78	End Shut-In(1)
174	27.42	95.81	Open To Flow (2)
205	36.71	96.26	Shut-In(2)
235	798.73	97.31	End Shut-In(2)
236	1792.70	97.33	Final Hydro-static

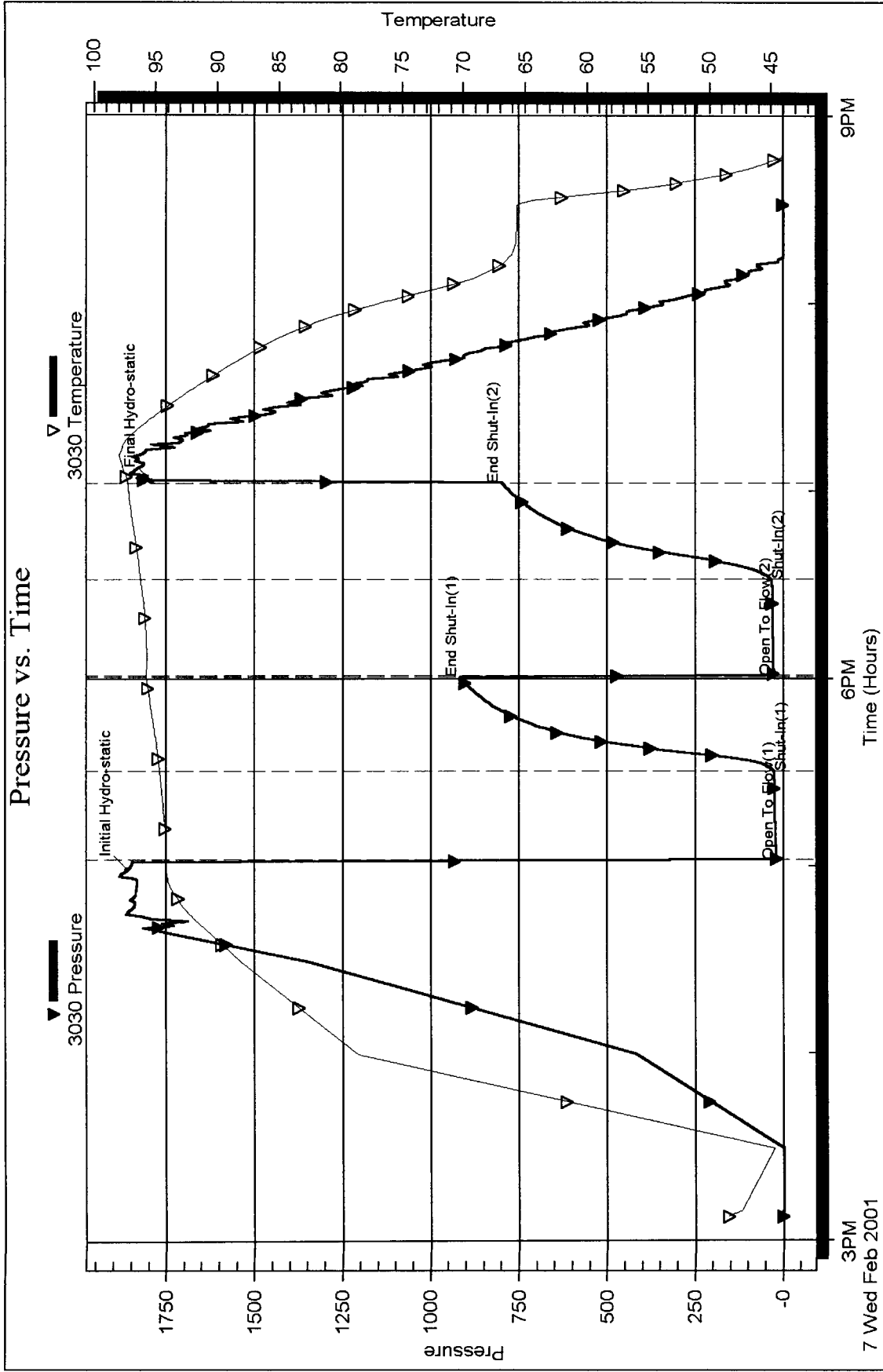
Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud	0.04

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Pressure vs. Time





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ATTN: Paul Gunzelman

22-2-27w Decatur KS

Long Simpson 2-22

Start Date: 2001.02.08 @ 06:06:00

End Date: 2001.02.08 @ 12:43:00

Job Ticket #: 13574 DST #: 5

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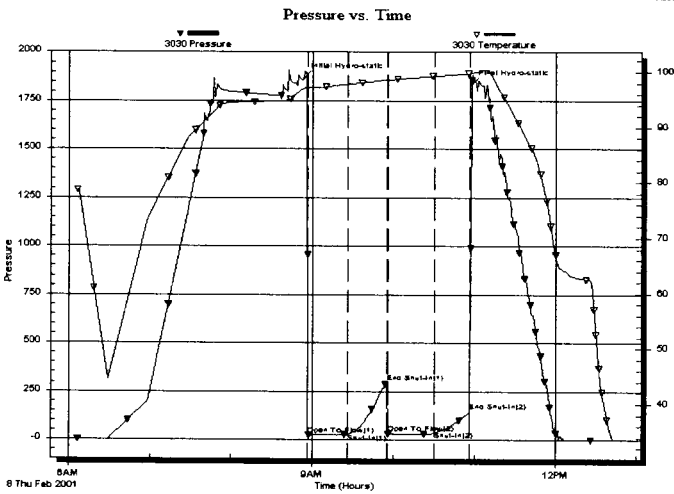
Long Simpson 2-22
 22-2-27w Decatur KS
 Job Ticket: 13574 **DST#: 5**
 Test Start: 2001.02.08 @ 06:06:00

GENERAL INFORMATION:

Formation: **K C J & k**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:56:54
 Time Test Ended: 12:43:00
 Interval: **3658.00 ft (KB) To 3719.00 ft (KB) (TVD)**
 Total Depth: 3719.00 ft (KB)
 Hole Diameter: 7.85 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: Jack Fox
 Unit No: 10
 Reference Elevations: 2657.00 ft (KB)
 2652.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 3030 Inside
 Press@RunDepth: 37.49 psig @ 3669.51 ft (KB)
 Start Date: 2001.02.08 End Date: 2001.02.08
 Start Time: 06:06:11 End Time: 12:43:39
 Capacity: 7000.00 psig
 Last Calib.: 2001.02.05
 Time On Btm: 2001.02.08 @ 08:53:54
 Time Off Btm: 2001.02.08 @ 10:56:54

TEST COMMENT: IF weak blow @ surf dieing in
 20 min
 FF no blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
168	1867.58	97.11	Initial Hydro-static
171	21.47	97.31	Open To Flow (1)
201	27.48	97.86	Shut-In(1)
229	292.92	98.64	End Shut-In(1)
230	27.98	98.65	Open To Flow (2)
264	37.49	99.27	Shut-In(2)
290	145.00	99.75	End Shut-In(2)
291	1834.72	99.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud	0.04

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Serial #: 3030

Inside

Murfin Drilling Co

22-2-27w Decatur KS

Pressure vs. Time

