



DRILL STEM TEST REPORT

Prepared For: **Pickrell Drlg.Co.Inc.**

100 S.Main Ste.505
Wichita KS 67202

ATTN: Terry McLeod

23-29s-14w Pratt Ks.

Kerr A#1

Start Date: 2005.11.22 @ 19:16:45

End Date: 2005.11.23 @ 01:48:30

Job Ticket #: 21996 DST #: 1

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Pickrell Drlg. Co. Inc.

100 S. Main Ste. 505
Wichita KS 67202

ATTN: Terry McLeod

Kerr A#1

23-29s-14w Pratt Ks.

Job Ticket: 21996

DST#: 1

Test Start: 2005.11.22 @ 19:16:45

GENERAL INFORMATION:

Formation: **Bern**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:59:45

Time Test Ended: 01:48:30

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 23

Interval: **3246.00 ft (KB) To 3262.00 ft (KB) (TVD)**

Reference Elevations: 1967.00 ft (KB)

Total Depth: 3262.00 ft (KB) (TVD)

1962.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 5.00 ft

Serial #: 6771

Inside

Press@RunDepth: 37.30 psig @ 3247.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2005.11.22

End Date: 2005.11.23

Last Calib.: 2005.11.23

Start Time: 19:16:50

End Time: 01:48:29

Time On Btm: 2005.11.22 @ 20:55:45

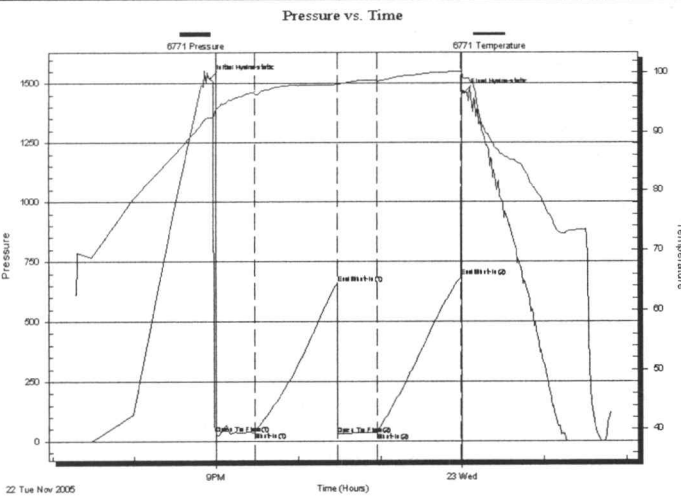
Time Off Btm: 2005.11.23 @ 00:01:45

TEST COMMENT: IF: Strong blow. B.O.B. in 1 1/2 mins.

IS: No blow.

FF: Strong blow. B.O.B. in 15n secs.

FS: No blow.



PRESSURE SUMMARY

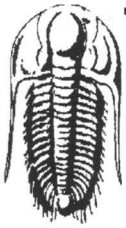
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1520.65	92.39	Initial Hydro-static
4	32.56	93.88	Open To Flow (1)
33	39.85	96.47	Shut-In(1)
93	658.28	97.97	End Shut-In(1)
93	29.05	97.94	Open To Flow (2)
122	37.30	98.73	Shut-In(2)
184	685.67	100.14	End Shut-In(2)
186	1459.60	99.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
80.00	SOC, GM <1%o 16%g 84%m	1.12
0.00	1610 ft. of GIP	0.00

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pickrell Drig. Co. Inc.

Kerr A#1

100 S. Main Ste. 505
Wichita KS 67202

23-29s-14w Pratt Ks.

Job Ticket: 21996

DST#: 1

ATTN: Terry McLeod

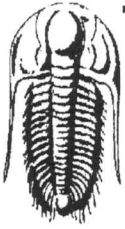
Test Start: 2005.11.22 @ 19:16:45

Tool Information

Drill Pipe:	Length: 3244.00 ft	Diameter: 3.80 inches	Volume: 45.50 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 53000.00 lb
			<u>Total Volume: 45.50 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3246.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	16.00 ft			
Tool Length:	38.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3225.00	
Shut In Tool	5.00			3230.00	
Hydraulic tool	5.00			3235.00	
Safety Joint	2.00			3237.00	
Packer	4.00			3241.00	22.00 Bottom Of Top Packer
Packer	5.00			3246.00	
Stubb	1.00			3247.00	
Recorder	0.00	6771	Inside	3247.00	
Perforations	10.00			3257.00	
Recorder	0.00	13222	Outside	3257.00	
Bullnose	5.00			3262.00	16.00 Bottom Packers & Anchor

Total Tool Length: 38.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Pickrell Drlg. Co. Inc.

Kerr A#1

100 S. Main Ste. 505
Wichita KS 67202

23-29s-14w Pratt Ks.

Job Ticket: 21996

DST#: 1

ATTN: Terry McLeod

Test Start: 2005.11.22 @ 19:16:45

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

4000 ppm

Viscosity: 66.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.37 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
80.00	SOC,GM <1%o 16%g 84%m	1.122
0.00	1610 ft. of GIP	0.000

Total Length: 80.00 ft Total Volume: 1.122 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

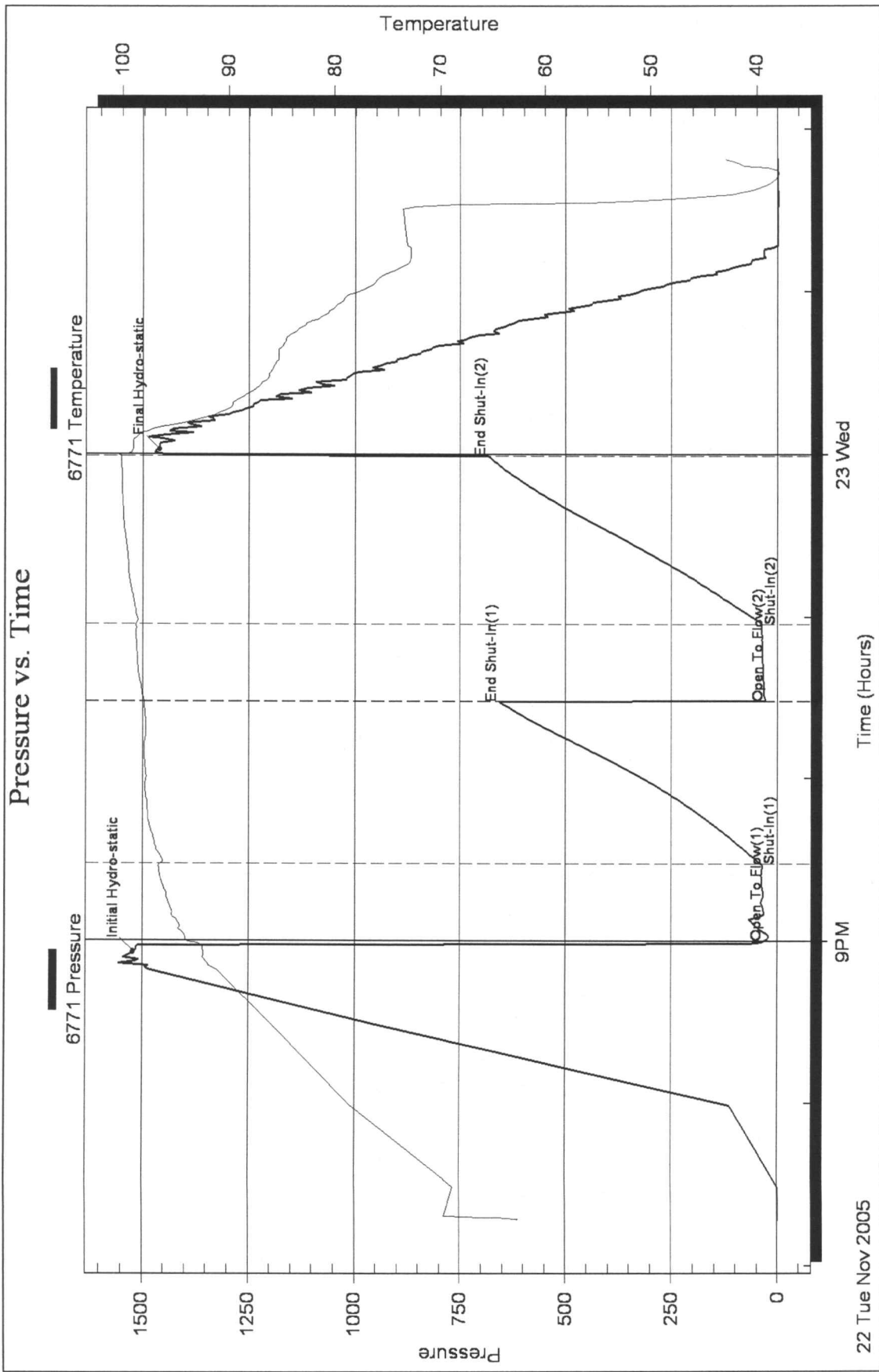
Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Pickrell Drlg.Co.Inc.**

100 S.Main Ste.505
Wichita KS 67202

ATTN: Terry McLeod

23-29s-14w Pratt Ks.

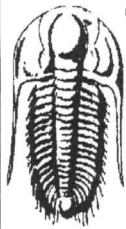
Kerr A#1

Start Date: 2005.11.23 @ 10:41:35

End Date: 2005.11.23 @ 16:42:50

Job Ticket #: 21997 DST #: 2

Trilobite Testing, Inc
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DRILL STEM TEST REPORT

Pickrell Drig. Co. Inc.

100 S. Main Ste. 505
Wichita KS 67202

ATTN: Terry McLeod

Kerr A#1

23-29s-14w Pratt Ks.

Job Ticket: 21997

DST#: 2

Test Start: 2005.11.23 @ 10:41:35

GENERAL INFORMATION:

Formation: **Howard**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:03:50

Time Test Ended: 16:42:50

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 23

Interval: **3324.00 ft (KB) To 3335.00 ft (KB) (TVD)**

Total Depth: 3335.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1967.00 ft (KB)

1962.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6771 Inside

Press@RunDepth: 43.34 psig @ 3325.00 ft (KB)

Start Date: 2005.11.23

End Date:

2005.11.23

Start Time: 10:41:40

End Time:

16:42:49

Capacity: 7000.00 psig

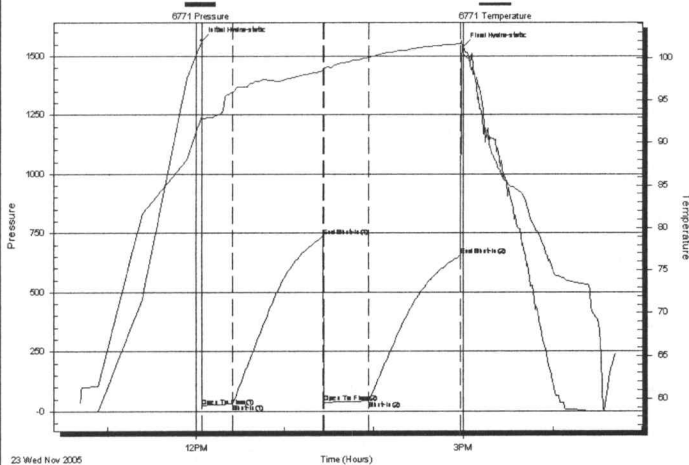
Last Calib.: 2005.11.23

Time On Btm: 2005.11.23 @ 12:03:35

Time Off Btm: 2005.11.23 @ 14:59:50

TEST COMMENT: IF: Strong blow . B.O.B. in 80 secs.
IS: No blow .
FF: Strong blow . B.O.B. in 15 secs.
FS: No blow .

Pressure vs. Time



PRESSURE SUMMARY

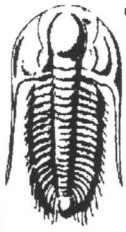
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1564.95	93.21	Initial Hydro-static
1	21.82	92.80	Open To Flow (1)
22	31.75	95.90	Shut-In(1)
83	733.86	98.43	End Shut-In(1)
84	38.30	98.81	Open To Flow (2)
114	43.34	100.06	Shut-In(2)
175	653.65	101.64	End Shut-In(2)
177	1541.14	100.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
85.00	SOC, GM 1%o 21%g 78%m	1.19
0.00	1580 ft. of GIP Clean oil @ top of tool	0.00

Gas Rates

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



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TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pickrell Drig. Co. Inc.

Kerr A#1

100 S. Main Ste. 505
Wichita KS 67202

23-29s-14w Pratt Ks.

Job Ticket: 21997

DST#: 2

ATTN: Terry McLeod

Test Start: 2005.11.23 @ 10:41:35

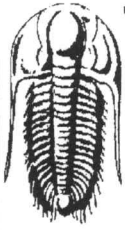
Tool Information

Drill Pipe:	Length: 3306.00 ft	Diameter: 3.80 inches	Volume: 46.37 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 43000.00 lb
			<u>Total Volume: 46.37 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 41000.00 lb
Depth to Top Packer:	3324.00 ft			Final 41000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	11.00 ft			
Tool Length:	33.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3303.00	
Shut In Tool	5.00			3308.00	
Hydraulic tool	5.00			3313.00	
Safety Joint	2.00			3315.00	
Packer	4.00			3319.00	22.00 Bottom Of Top Packer
Packer	5.00			3324.00	
Stubb	1.00			3325.00	
Recorder	0.00	6771	Inside	3325.00	
Perforations	5.00			3330.00	
Recorder	0.00	13222	Outside	3330.00	
Bullnose	5.00			3335.00	11.00 Bottom Packers & Anchor

Total Tool Length: 33.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

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Kerr A#1

100 S. Main Ste. 505
Wichita KS 67202

23-29s-14w Pratt Ks.

Job Ticket: 21997

DST#: 2

ATTN: Terry McLeod

Test Start: 2005.11.23 @ 10:41:35

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

4000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.37 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
85.00	SOC,GM 1%o 21%g 78%m	1.192
0.00	1580 ft. of GIP Clean oil @ top of tool	0.000

Total Length: 85.00 ft

Total Volume: 1.192 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

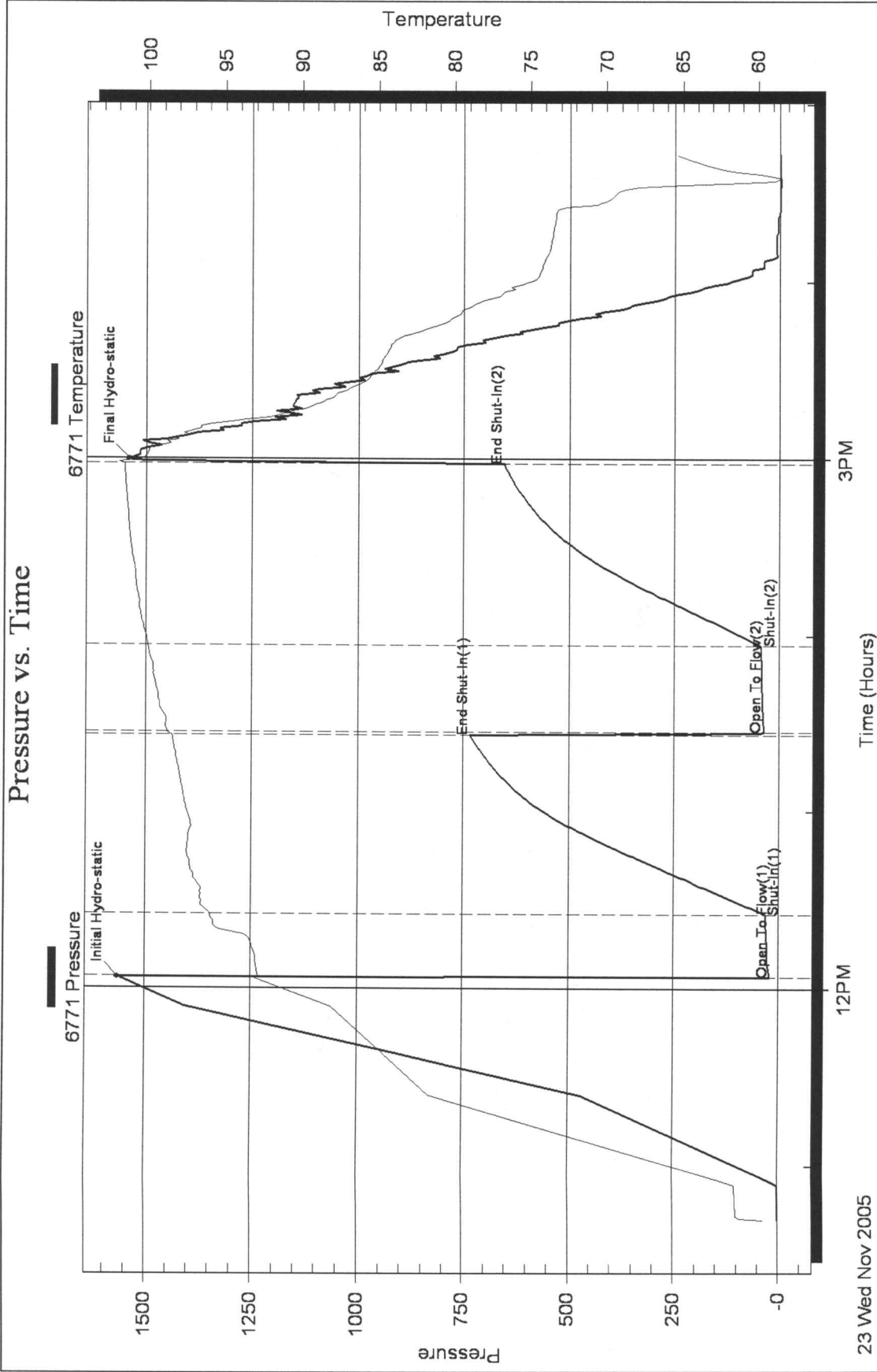
Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



23 Wed Nov 2005

12PM

3PM

Time (Hours)



DRILL STEM TEST REPORT

Prepared For: **Pickrell Drlg.Co.Inc.**

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23-29s-14w Pratt Ks.

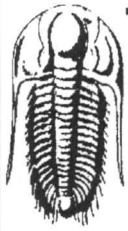
Kerr A#1

Start Date: 2005.11.25 @ 17:37:06

End Date: 2005.11.26 @ 00:52:06

Job Ticket #: 21998 DST #: 3

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



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DRILL STEM TEST REPORT

Pickrell Drlg. Co. Inc.

100 S. Main Ste. 505
Wichita KS 67202

ATTN: Terry McLeod

Kerr A#1

23-29s-14w Pratt Ks.

Job Ticket: 21998

DST#: 3

Test Start: 2005.11.25 @ 17:37:06

GENERAL INFORMATION:

Formation: **Lans.**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 19:44:06

Time Test Ended: 00:52:06

Test Type: **Conventional Bottom Hole**

Tester: **Gary Pevoteaux**

Unit No: **23**

Interval: **4162.00 ft (KB) To 4178.00 ft (KB) (TVD)**

Total Depth: **4178.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Poor**

Reference Elevations: **1967.00 ft (KB)**

1962.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 6771

Inside

Press@RunDepth: **24.53 psig @ 4163.00 ft (KB)**

Start Date: **2005.11.25**

End Date:

2005.11.26

Start Time: **17:37:11**

End Time:

00:52:05

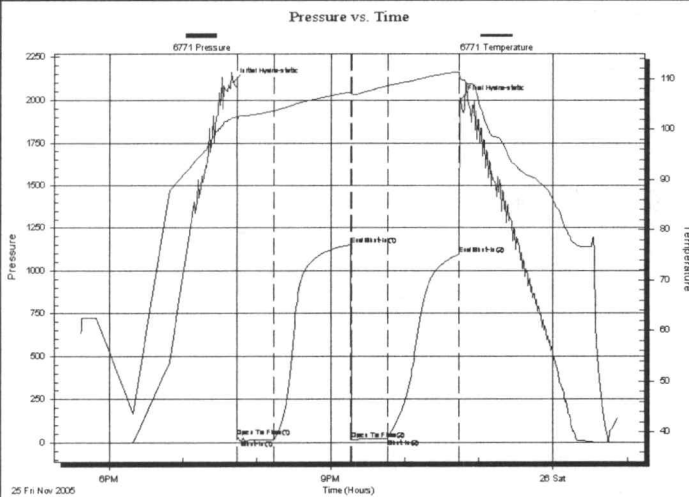
Capacity: **7000.00 psig**

Last Calib.: **2005.11.26**

Time On Btm: **2005.11.25 @ 19:40:51**

Time Off Btm: **2005.11.25 @ 22:45:06**

TEST COMMENT: IF: Fair blow . 2 - 12".
IS: No blow.
FF: Fair blow . 2 - 11".
FS: No blow.



PRESSURE SUMMARY

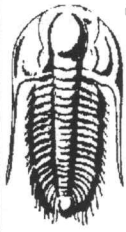
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2105.96	102.32	Initial Hydro-static
4	32.88	101.29	Open To Flow (1)
34	17.25	103.71	Shut-In(1)
96	1152.11	107.37	End Shut-In(1)
96	14.41	107.07	Open To Flow (2)
125	24.53	108.59	Shut-In(2)
183	1094.14	111.31	End Shut-In(2)
185	2008.38	109.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
25.00	OCVM 3%o 22%w 75%m/Rw .15 ohms	0.357 deg
0.00	220 ft. of GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pickrell Drig. Co. Inc.

Kerr A#1

100 S. Main Ste. 505
Wichita KS 67202

23-29s-14w Pratt Ks.

Job Ticket: 21998

DST#: 3

ATTN: Terry McLeod

Test Start: 2005.11.25 @ 17:37:06

Tool Information

Drill Pipe:	Length: 4150.00 ft	Diameter: 3.80 inches	Volume: 58.21 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 58.21 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	4162.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	16.00 ft			
Tool Length:	38.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4141.00	
Shut In Tool	5.00			4146.00	
Hydraulic tool	5.00			4151.00	
Safety Joint	2.00			4153.00	
Packer	4.00			4157.00	22.00 Bottom Of Top Packer
Packer	5.00			4162.00	
Stubb	1.00			4163.00	
Recorder	0.00	6771	Inside	4163.00	
Perforations	10.00			4173.00	
Recorder	0.00	13222	Outside	4173.00	
Bullnose	5.00			4178.00	16.00 Bottom Packers & Anchor

Total Tool Length: 38.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

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Kerr A#1

100 S. Main Ste. 505
Wichita KS 67202

23-29s-14w Pratt Ks.

Job Ticket: 21998

DST#: 3

ATTN: Terry McLeod

Test Start: 2005.11.25 @ 17:37:06

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

70000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 25.53 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6200.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
25.00	OCWM 3%o 22%w 75%m /Rw .15 ohms @ 4	0.351
0.00	220 ft. of GIP	0.000

Total Length: 25.00 ft Total Volume: 0.351 bbl

Num Fluid Samples: 0

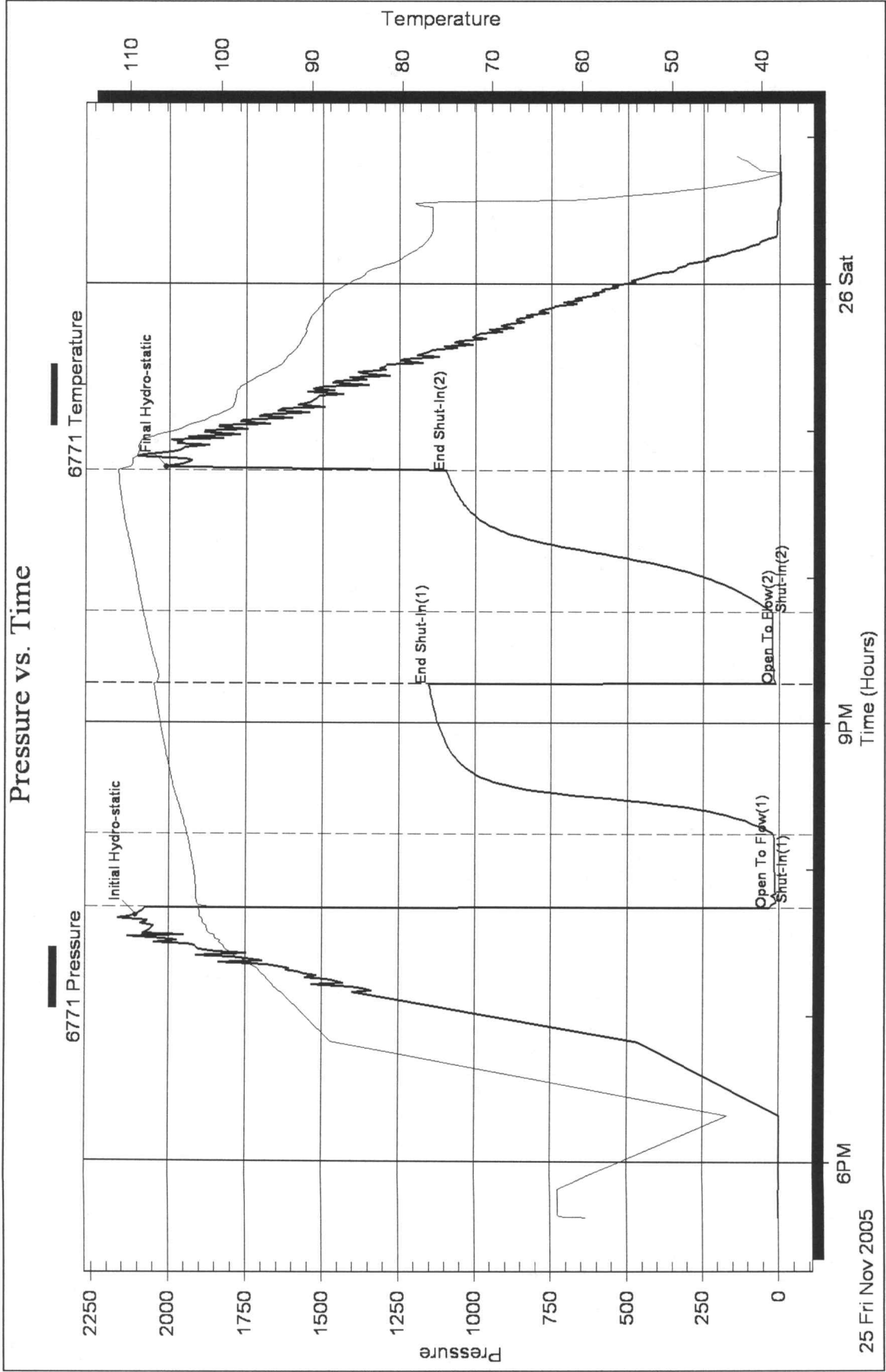
Num Gas Bombs: 0

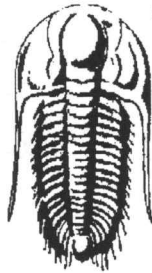
Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:





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DRILL STEM TEST REPORT

Prepared For: **Pickrell Drlg.Co.Inc.**

100 S.Main Ste.505
Wichita KS 67202

ATTN: Terry McLeod

23-29s-14w Pratt Ks.

Kerr A#1

Start Date: 2005.11.26 @ 16:09:36

End Date: 2005.11.26 @ 23:24:51

Job Ticket #: 21999 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Pickrell Drlg.Co.Inc.

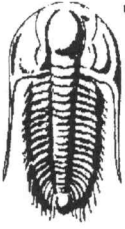
Kerr A#1

23-29s-14w Pratt Ks.

DST # 4

Lans.

2005.11.26



**TRILOBITE
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DRILL STEM TEST REPORT

Pickrell Drig. Co. Inc.

100 S. Main Ste. 505
Wichita KS 67202

ATTN: Terry McLeod

Kerr A#1

23-29s-14w Pratt Ks.

Job Ticket: 21999

DST#: 4

Test Start: 2005.11.26 @ 16:09:36

GENERAL INFORMATION:

Formation: **Lans.**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 18:19:21

Time Test Ended: 23:24:51

Test Type: **Conventional Bottom Hole**

Tester: **Gary Pevoteaux**

Unit No: **23**

Interval: **4182.00 ft (KB) To 4260.00 ft (KB) (TVD)**

Total Depth: **4260.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Poor**

Reference Elevations: **1967.00 ft (KB)**

1962.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 6771

Inside

Press@RunDepth: **81.99 psig @ 4183.00 ft (KB)**

Start Date: **2005.11.26**

End Date:

2005.11.26

Start Time: **16:09:41**

End Time:

23:24:50

Capacity: **7000.00 psig**

Last Calib.: **2005.11.26**

Time On Btm: **2005.11.26 @ 18:16:21**

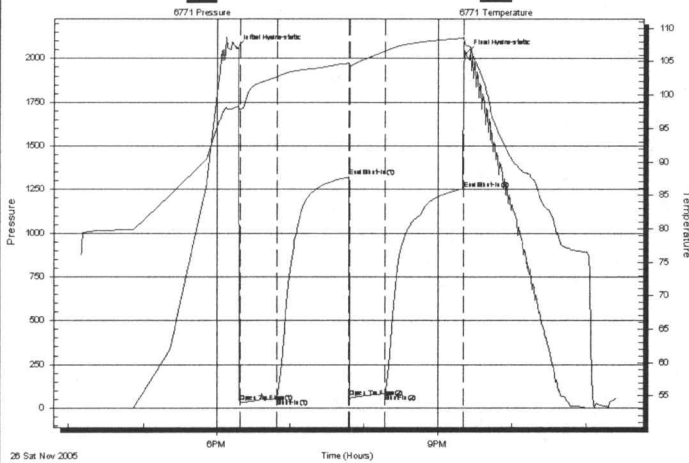
Time Off Btm: **2005.11.26 @ 21:22:36**

TEST COMMENT: **IF: Strong blow . B.O.B. in 50 secs.**

IS: Strong blow . B.O.B. in 7 mis.

FSI: Weak blow . 1/2 - 2".

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2060.45	98.20	Initial Hydro-static
3	34.69	97.81	Open To Flow (1)
33	52.17	102.72	Shut-In(1)
92	1321.77	104.75	End Shut-In(1)
92	58.82	104.38	Open To Flow (2)
121	81.99	106.57	Shut-In(2)
184	1254.09	108.52	End Shut-In(2)
187	2027.87	107.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
150.00	OCVMM 8%o 19%w 73%r	2.10
0.00	1610 ft. of GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pickrell Drig. Co. Inc.

Kerr A#1

100 S. Main Ste. 505
Wichita KS 67202

23-29s-14w Pratt Ks.

Job Ticket: 21999

DST#: 4

ATTN: Terry McLeod

Test Start: 2005.11.26 @ 16:09:36

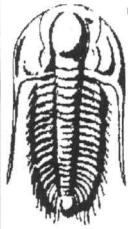
Tool Information

Drill Pipe:	Length: 4178.00 ft	Diameter: 3.80 inches	Volume: 58.61 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 58.61 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	4182.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	78.00 ft			
Tool Length:	100.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4161.00	
Shut In Tool	5.00			4166.00	
Hydraulic tool	5.00			4171.00	
Safety Joint	2.00			4173.00	
Packer	4.00			4177.00	22.00 Bottom Of Top Packer
Packer	5.00			4182.00	
Stubb	1.00			4183.00	
Recorder	0.00	6771	Inside	4183.00	
Perforations	8.00			4191.00	
Change Over Sub	1.00			4192.00	
Blank Spacing	62.00			4254.00	
Change Over Sub	1.00			4255.00	
Recorder	0.00	13222	Outside	4255.00	
Bullnose	5.00			4260.00	78.00 Bottom Packers & Anchor

Total Tool Length: 100.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Pickrell Drig.Co.Inc.

Kerr A#1

100 S.Main Ste.505
Wichita KS 67202

23-29s-14w Pratt Ks.

Job Ticket: 21999

DST#: 4

ATTN: Terry McLeod

Test Start: 2005.11.26 @ 16:09:36

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

7000 ppm

Viscosity: 66.00 sec/qt

Cushion Volume:

bbl

Water Loss: 15.97 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
150.00	OCWM 8%o 19%w 73%m	2.104
0.00	1610 ft.of GIP	0.000

Total Length: 150.00 ft Total Volume: 2.104 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

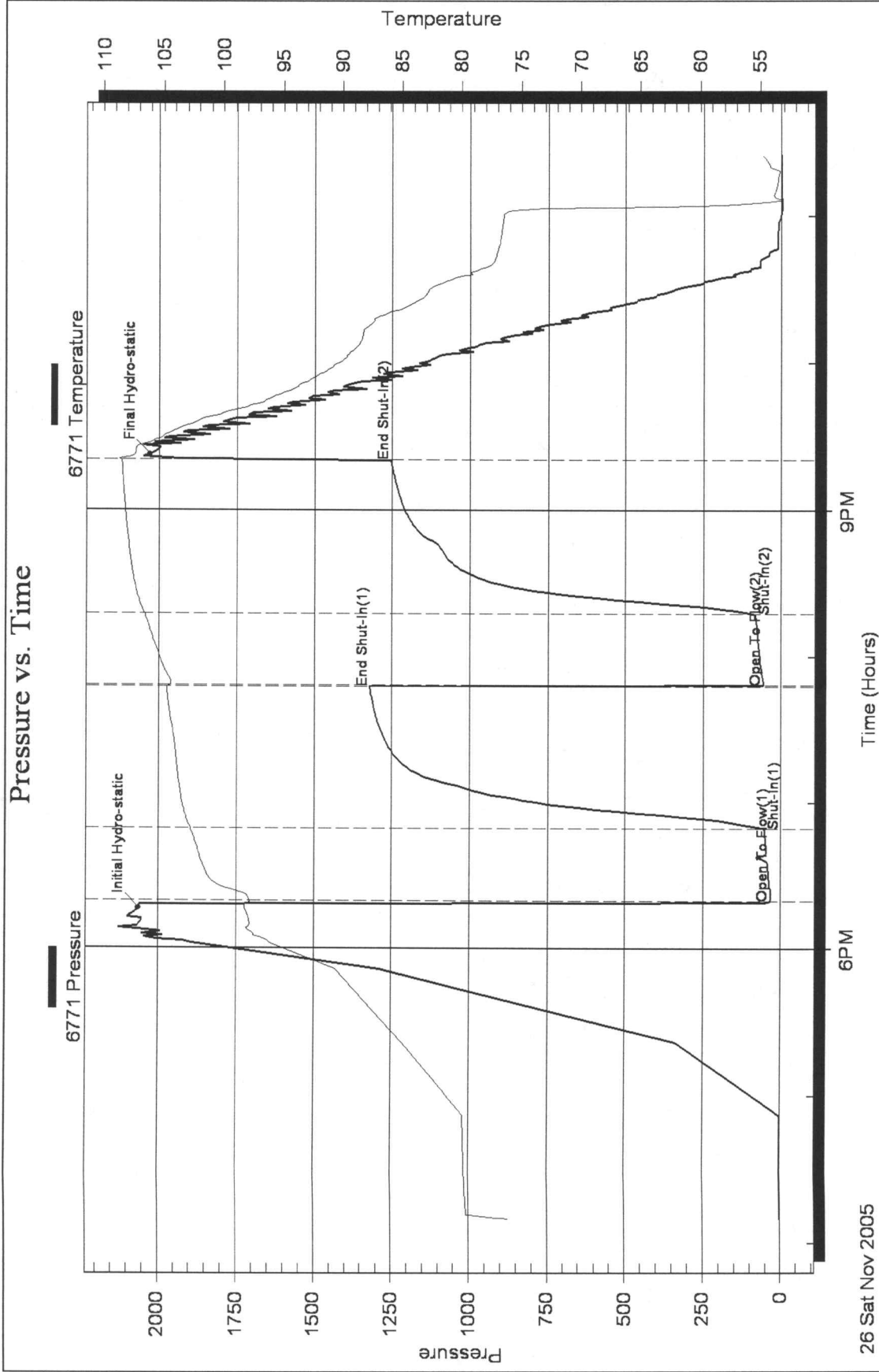
Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



26 Sat Nov 2005

9PM

6PM

Time (Hours)



DRILL STEM TEST REPORT

Prepared For: **Pickrell Drlg.Co.Inc.**

100 S.Main Ste.505
Wichita KS 67202

ATTN: Terry McLeod

23-29s-14w Pratt Ks.

Kerr A#1

Start Date: 2005.11.27 @ 09:59:40

End Date: 2005.11.27 @ 18:59:10

Job Ticket #: 22000 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Pickrell Drlg.Co.Inc.

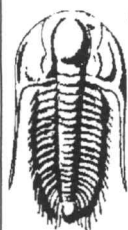
Kerr A#1

23-29s-14w Pratt Ks.

DST # 5

Lans.

2005.11.27



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Pickrell Drlg. Co. Inc.

100 S. Main Ste. 505
Wichita KS 67202

ATTN: Terry McLeod

Kerr A#1

23-29s-14w Pratt Ks.

Job Ticket: 22000

DST#: 5

Test Start: 2005.11.27 @ 09:59:40

GENERAL INFORMATION:

Formation: **Lans.**

Deviated: **No Whipstock:** ft (KB)

Time Tool Opened: 12:15:55

Time Test Ended: 18:59:10

Test Type: **Conventional Bottom Hole**

Tester: **Gary Pevoteaux**

Unit No: **23**

Interval: **4272.00 ft (KB) To 4335.00 ft (KB) (TVD)**

Total Depth: **4335.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Poor**

Reference Elevations: **1967.00 ft (KB)**

1962.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 6771 **Inside**

Press@RunDepth: **67.60 psig @ 4273.00 ft (KB)**

Start Date: **2005.11.27**

End Date: **2005.11.27**

Start Time: **09:59:45**

End Time: **18:59:10**

Capacity: **7000.00 psig**

Last Calib.: **2005.11.27**

Time On Btm: **2005.11.27 @ 12:12:10**

Time Off Btm: **2005.11.27 @ 16:51:25**

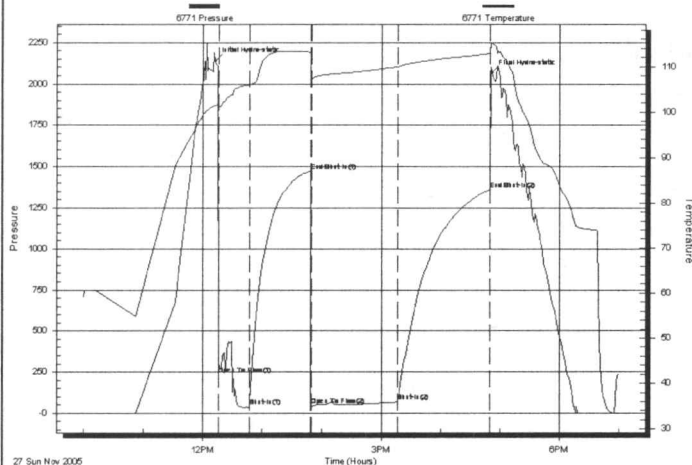
TEST COMMENT: IIF: Strong blow . B.O.B. in 50 secs. GTS in 22 mins. (see gas flow report)

IS: No blow .

FF: Strong blow . (see gas flow report)

FS: No blow .

Pressure vs. Time



PRESSURE SUMMARY

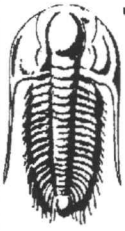
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2138.13	101.41	Initial Hydro-static
4	231.93	101.11	Open To Flow (1)
35	37.98	105.91	Shut-In(1)
96	1474.49	113.15	End Shut-In(1)
97	44.51	106.93	Open To Flow (2)
185	67.60	109.93	Shut-In(2)
278	1363.14	112.96	End Shut-In(2)
280	2065.11	115.11	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
115.00	Mud w/oil specs	1.61

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	4.00	29.19
Last Gas Rate	0.13	10.00	9.13
Max. Gas Rate	0.25	12.50	42.67



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pickrell Drlg. Co. Inc.

Kerr A#1

100 S. Main Ste. 505
Wichita KS 67202

23-29s-14w Pratt Ks.

Job Ticket: 22000

DST#: 5

ATTN: Terry McLeod

Test Start: 2005.11.27 @ 09:59:40

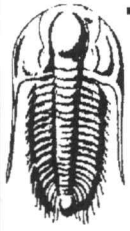
Tool Information

Drill Pipe:	Length: 4272.00 ft	Diameter: 3.80 inches	Volume: 59.92 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 59.92 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	4272.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	63.00 ft			
Tool Length:	85.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4251.00	
Shut In Tool	5.00			4256.00	
Hydraulic tool	5.00			4261.00	
Safety Joint	2.00			4263.00	
Packer	4.00			4267.00	22.00 Bottom Of Top Packer
Packer	5.00			4272.00	
Stubb	1.00			4273.00	
Recorder	0.00	6771	Inside	4273.00	
Perforations	5.00			4278.00	
Change Over Sub	1.00			4279.00	
Blank Spacing	31.00			4310.00	
Change Over Sub	1.00			4311.00	
Perforations	19.00			4330.00	
Recorder	0.00	13222	Outside	4330.00	
Bullnose	5.00			4335.00	63.00 Bottom Packers & Anchor

Total Tool Length: 85.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Pickrell Drig.Co.Inc.

Kerr A#1

100 S.Main Ste.505
Wichita KS 67202

23-29s-14w Pratt Ks.

Job Ticket: 22000

DST#: 5

ATTN: Terry McLeod

Test Start: 2005.11.27 @ 09:59:40

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	8500 ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.19 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 8500.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
115.00	Mud w/oil specs	1.613

Total Length: 115.00 ft Total Volume: 1.613 bbl

Num Fluid Samples: 0

Num Gas Bombs: 1

Serial #: gp-5

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Pickrell Drlg. Co. Inc.

Kerr A#1

100 S. Main Ste. 505
Wichita KS 67202

23-29s-14w Pratt Ks.

Job Ticket: 22000

DST#: 5

ATTN: Terry McLeod

Test Start: 2005.11.27 @ 09:59:40

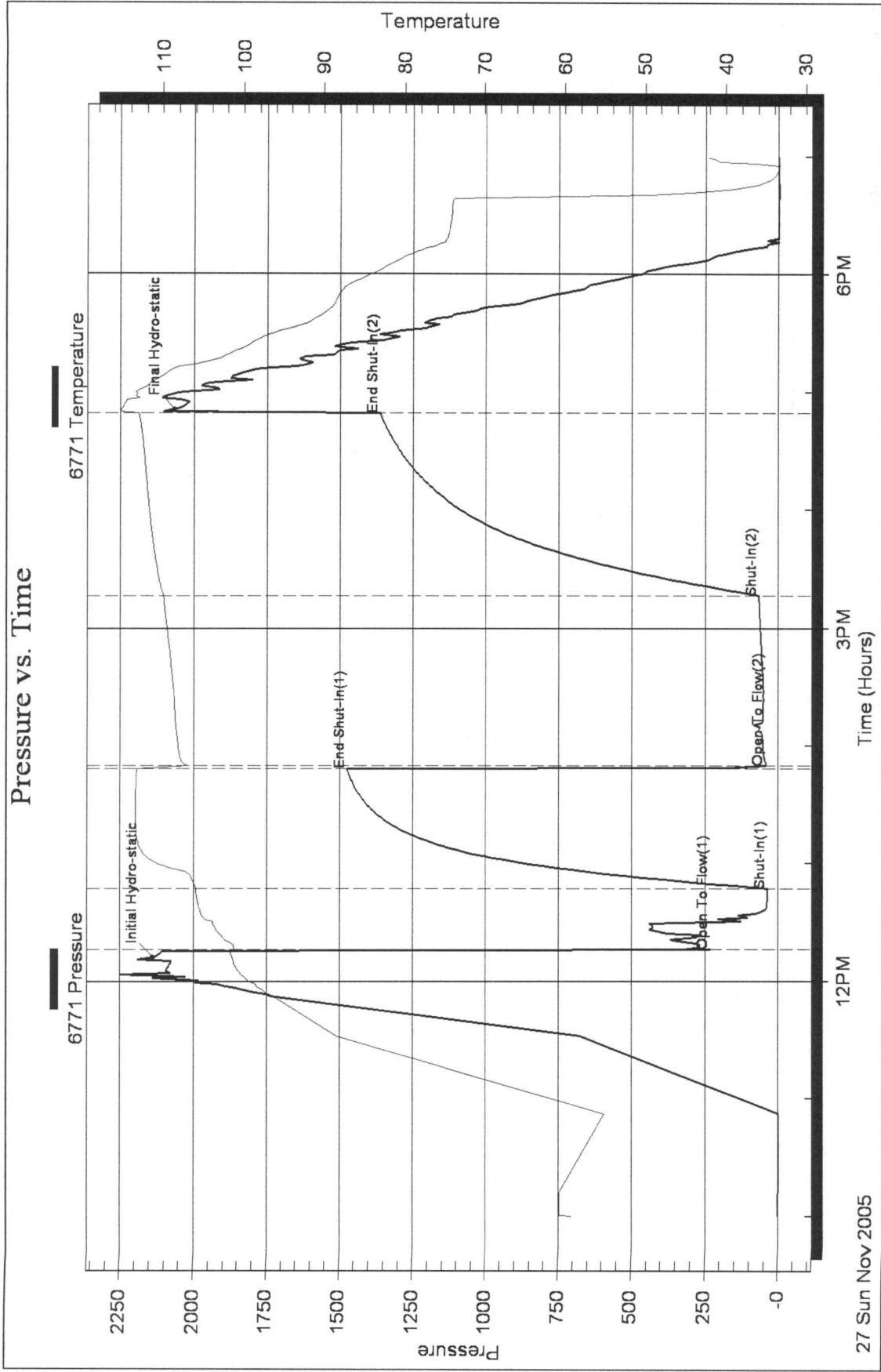
Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
1	30	0.25	4.00	29.19
2	10	0.25	12.50	42.67
2	20	0.25	8.00	35.54
2	30	0.25	5.00	30.78
2	40	0.25	3.00	27.60
2	50	0.25	2.50	26.81
2	60	0.13	5.00	7.26
2	70	0.13	8.00	8.38
2	80	0.13	9.00	8.76
2	90	0.13	10.00	9.13

Pressure vs. Time

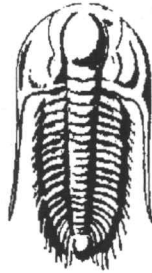


27 Sun Nov 2005

12PM

3PM

6PM



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Pickrell Drlg.Co.Inc.**

100 S.Main Ste.505
Wichita KS 67202

ATTN: Terry McLeod

23-29s-14w Pratt Ks.

Kerr A#1

Start Date: 2005.11.29 @ 08:34:52

End Date: 2005.11.29 @ 17:53:52

Job Ticket #: 22001 DST #: 6

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Pickrell Drig. Co. Inc.

Kerr A#1

100 S. Main Ste. 505
Wichita KS 67202

23-29s-14w Pratt Ks.

ATTN: Terry McLeod

Job Ticket: 22001

DST#: 6

Test Start: 2005.11.29 @ 08:34:52

GENERAL INFORMATION:

Formation: **Simpson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:55:37

Time Test Ended: 17:53:52

Test Type: Conventional Straddle

Tester: Gary Pevoteaux

Unit No: 23

Interval: **4565.00 ft (KB) To 4583.00 ft (KB) (TVD)**

Reference Elevations: 1967.00 ft (KB)

Total Depth: 4609.00 ft (KB) (TVD)

1962.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GRVCF: 5.00 ft

Serial #: 6771

Inside

Press@RunDepth: 329.93 psig @ 4566.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2005.11.29 End Date: 2005.11.29

Last Calib.: 2005.11.29

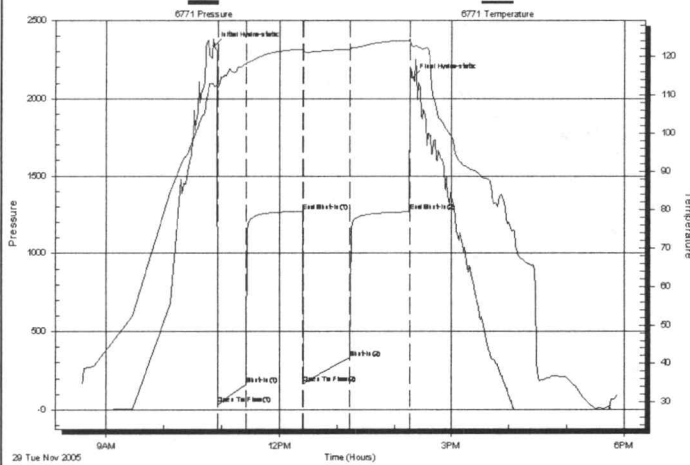
Start Time: 08:34:57 End Time: 17:53:52

Time On Btm: 2005.11.29 @ 10:51:37

Time Off Btm: 2005.11.29 @ 14:19:37

TEST COMMENT: IF: Fair to strong blow . B.O.B. in 13 mins.
IS: Weak blow . 1/4 - 1/2".
FF: Fair to strong blow . B.O.B. in 15 mins.
FS: Weak blow . 1/4".

Pressure vs. Time



PRESSURE SUMMARY

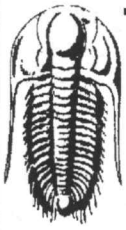
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2336.50	112.26	Initial Hydro-static
4	38.80	112.01	Open To Flow (1)
34	159.64	118.03	Shut-In(1)
93	1270.43	121.94	End Shut-In(1)
93	164.77	121.44	Open To Flow (2)
142	329.93	121.87	Shut-In(2)
205	1266.49	124.22	End Shut-In(2)
208	2132.86	122.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
560.00	SW R _w .14 ohms @ 55 deg.	7.86
150.00	MW 28% m 72% w	2.10

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pickrell Drlg. Co. Inc.

Kerr A#1

100 S. Main Ste. 505
Wichita KS 67202

23-29s-14w Pratt Ks.

Job Ticket: 22001

DST#: 6

ATTN: Terry McLeod

Test Start: 2005.11.29 @ 08:34:52

Tool Information

Drill Pipe:	Length: 4549.00 ft	Diameter: 3.80 inches	Volume: 63.81 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 63.81 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	4565.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	4583.00 ft			
Interval between Packers:	18.00 ft			
Tool Length:	66.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4544.00	
Shut In Tool	5.00			4549.00	
Hydraulic tool	5.00			4554.00	
Safety Joint	2.00			4556.00	
Packer	4.00			4560.00	22.00 Bottom Of Top Packer
Packer	5.00			4565.00	
Stubb	1.00			4566.00	
Recorder	0.00	6771	Inside	4566.00	
Perforations	13.00			4579.00	
Recorder	0.00	10290	Outside	4579.00	
Blank Off Sub	1.00			4580.00	
travel collar	3.00			4583.00	18.00 Tool Interval
Packer	0.00			4583.00	
Stubb	1.00			4584.00	
Perforations	20.00			4604.00	
Recorder	0.00	13222	Below	4604.00	
Bullnose	5.00			4609.00	26.00 Bottom Packers & Anchor
Total Tool Length:	66.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Pickrell Drig.Co.Inc.

Kerr A#1

100 S.Main Ste.505
Wichita KS 67202

23-29s-14w Pratt Ks.

Job Ticket: 22001

DST#: 6

ATTN: Terry McLeod

Test Start: 2005.11.29 @ 08:34:52

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	69000 ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.39 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 8500.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
560.00	SW Rw .14 ohms @ 55 deg.	7.855
150.00	MW 28% _m 72% _w	2.104

Total Length: 710.00 ft Total Volume: 9.959 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

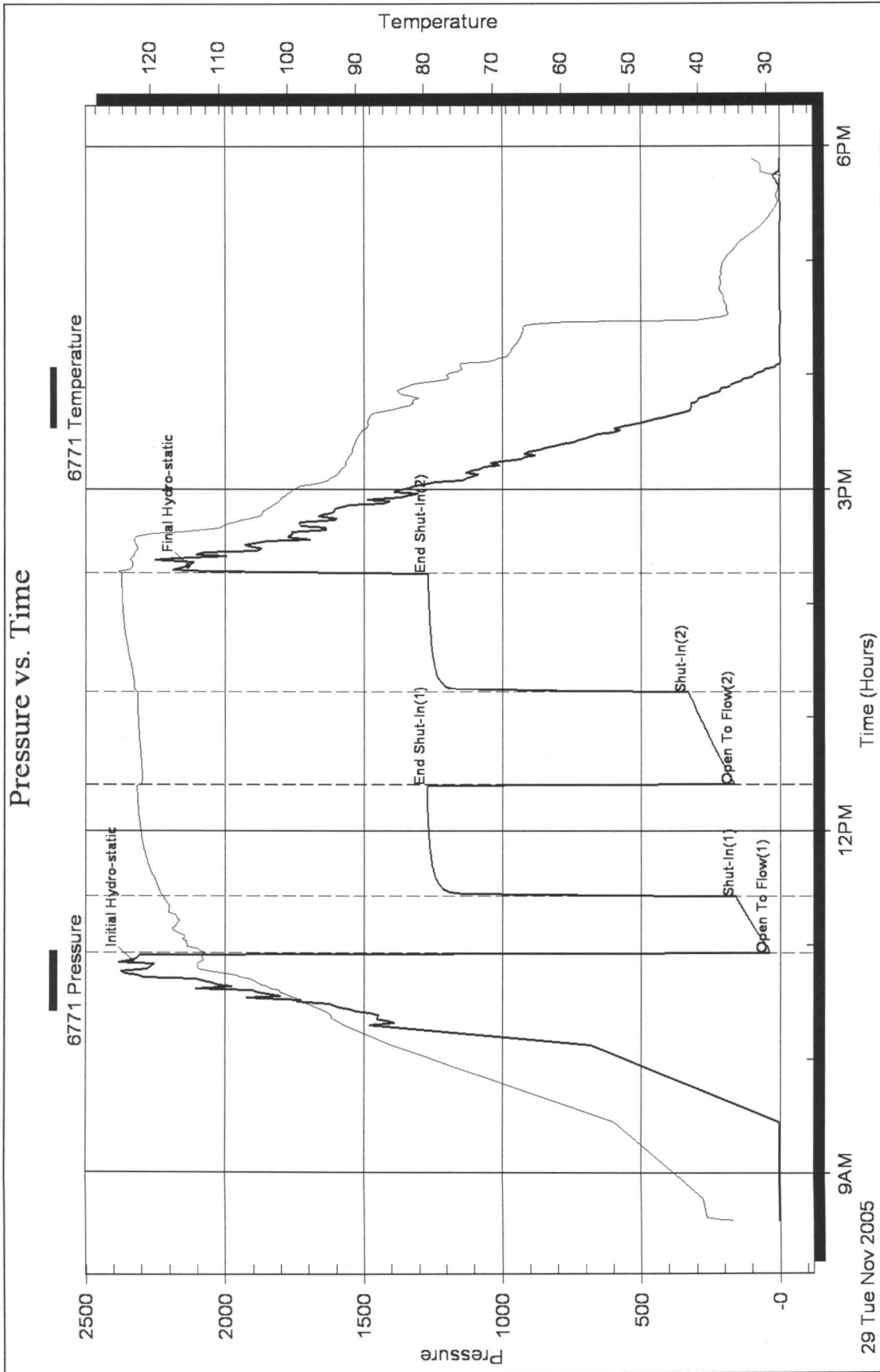


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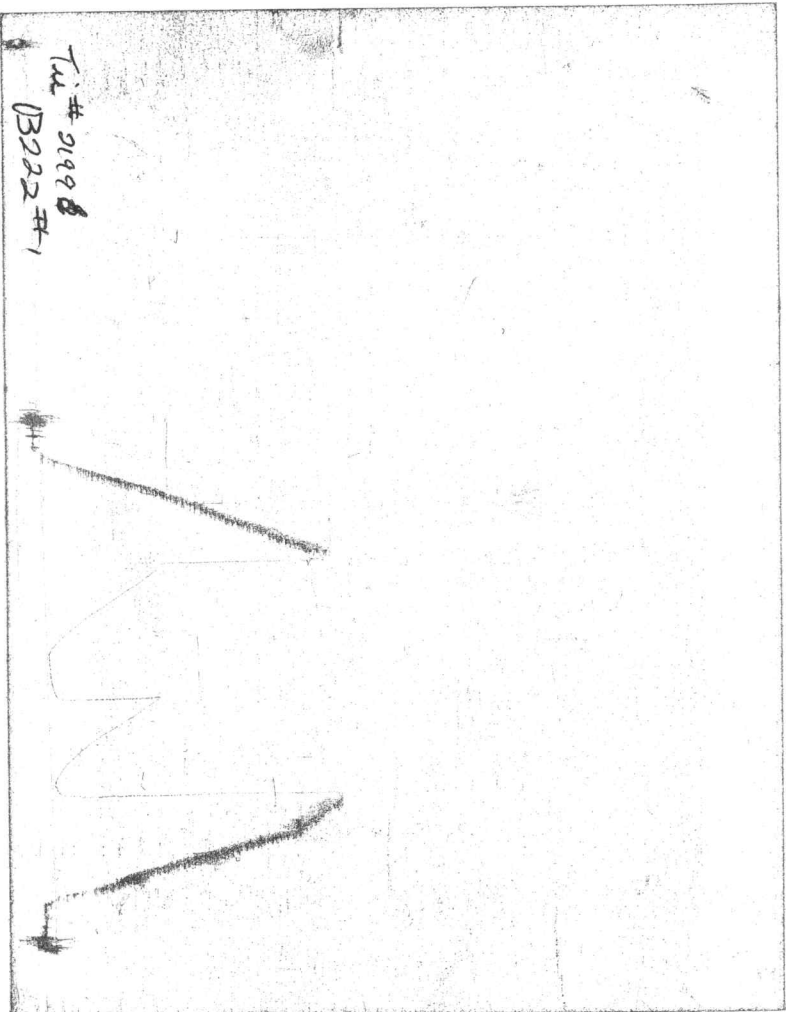


CHART PAGE
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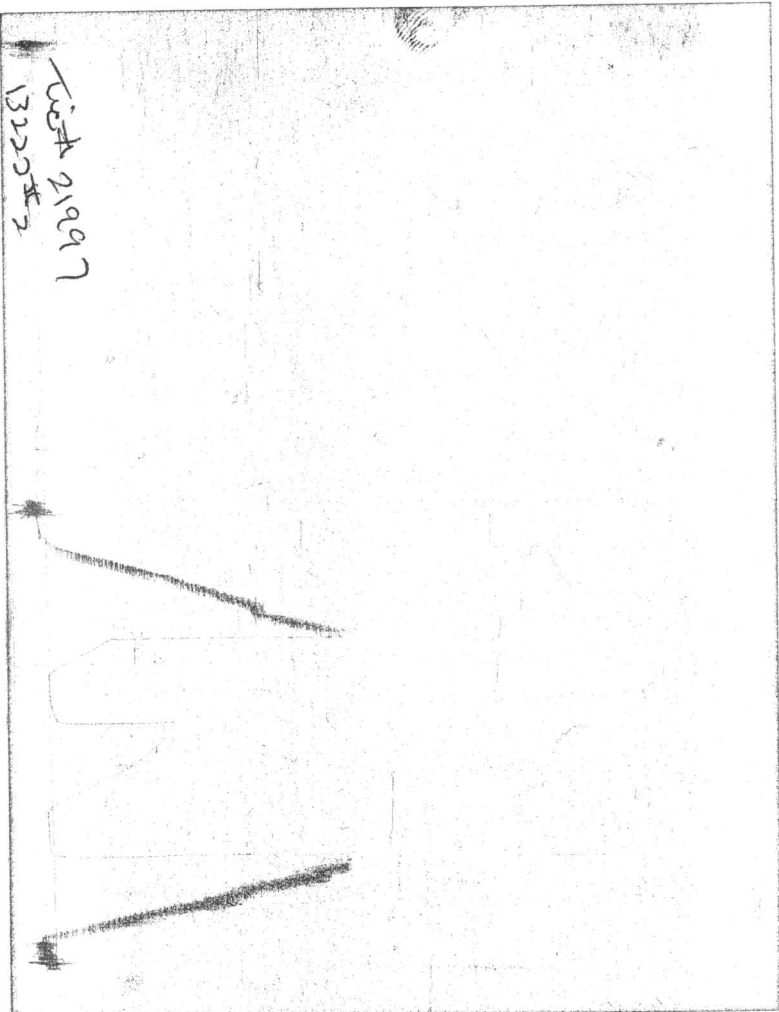


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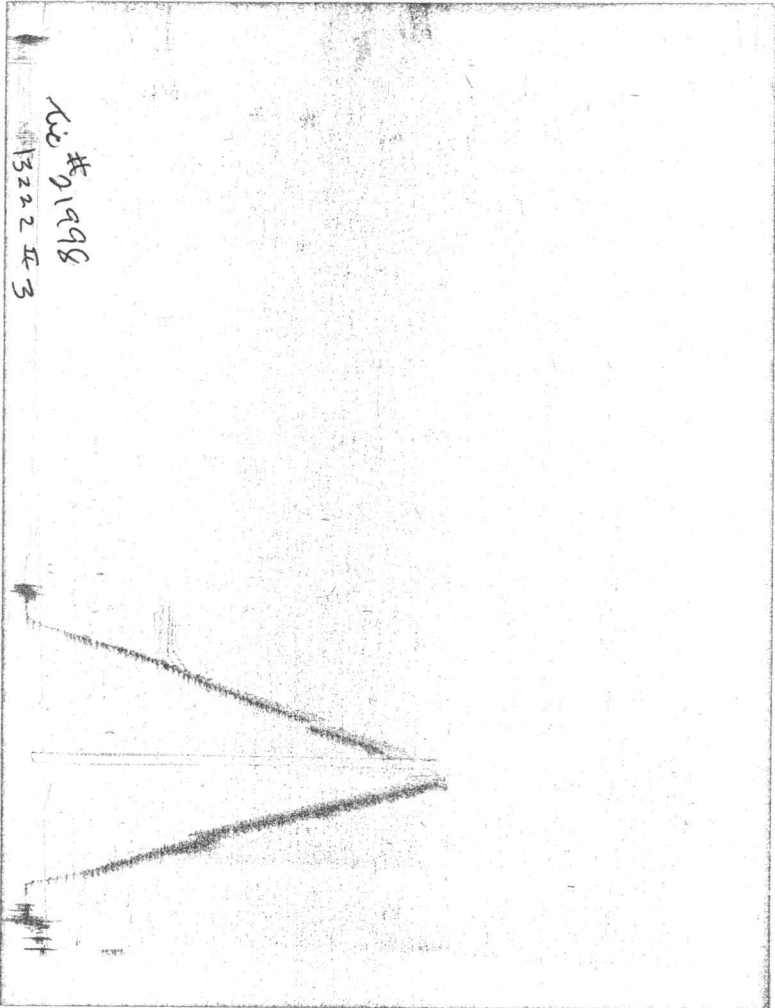


CHART PAGE

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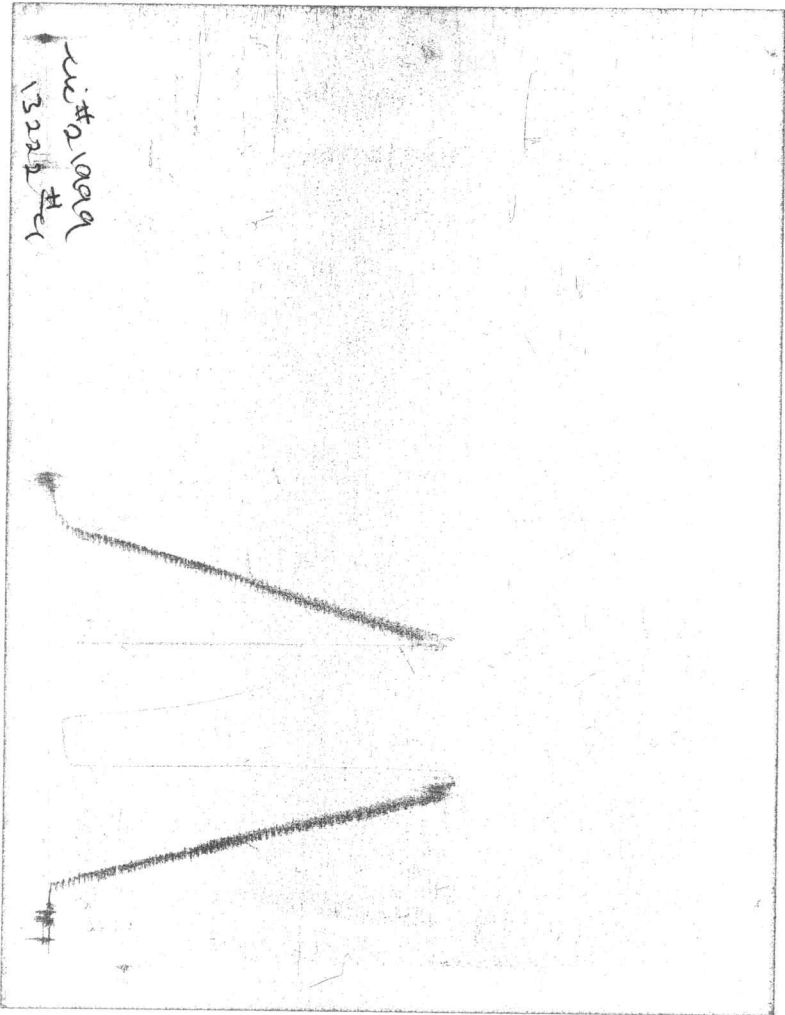


CHART PAGE

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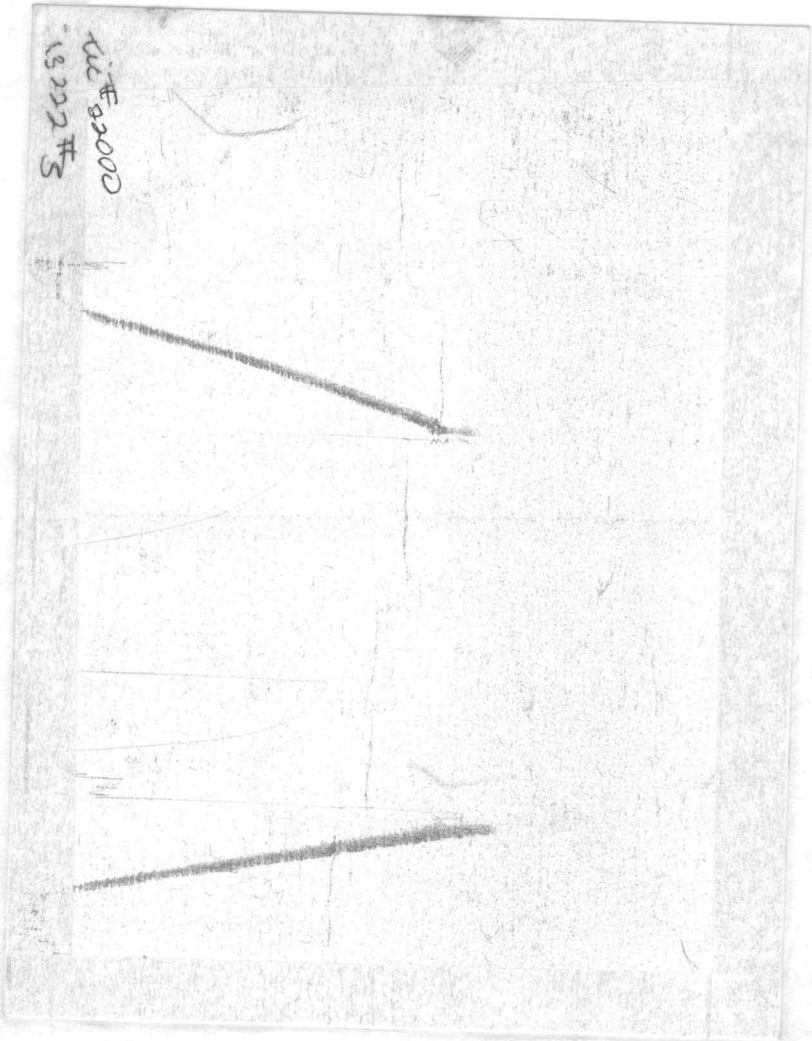


CHART PAGE

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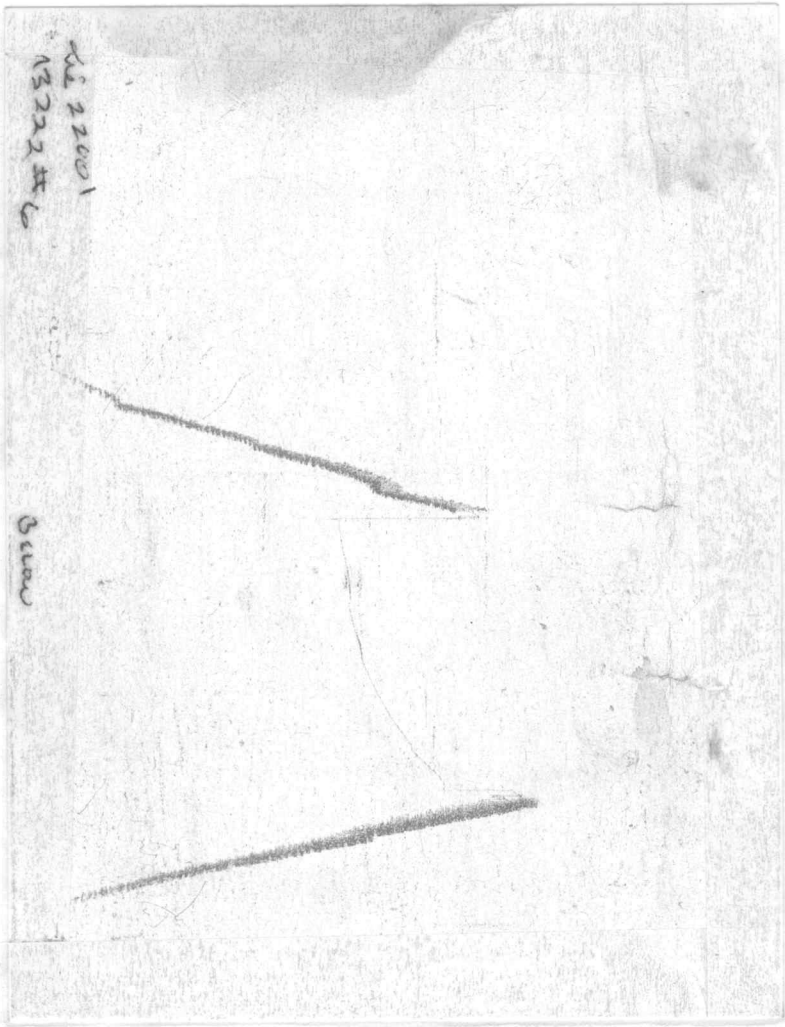
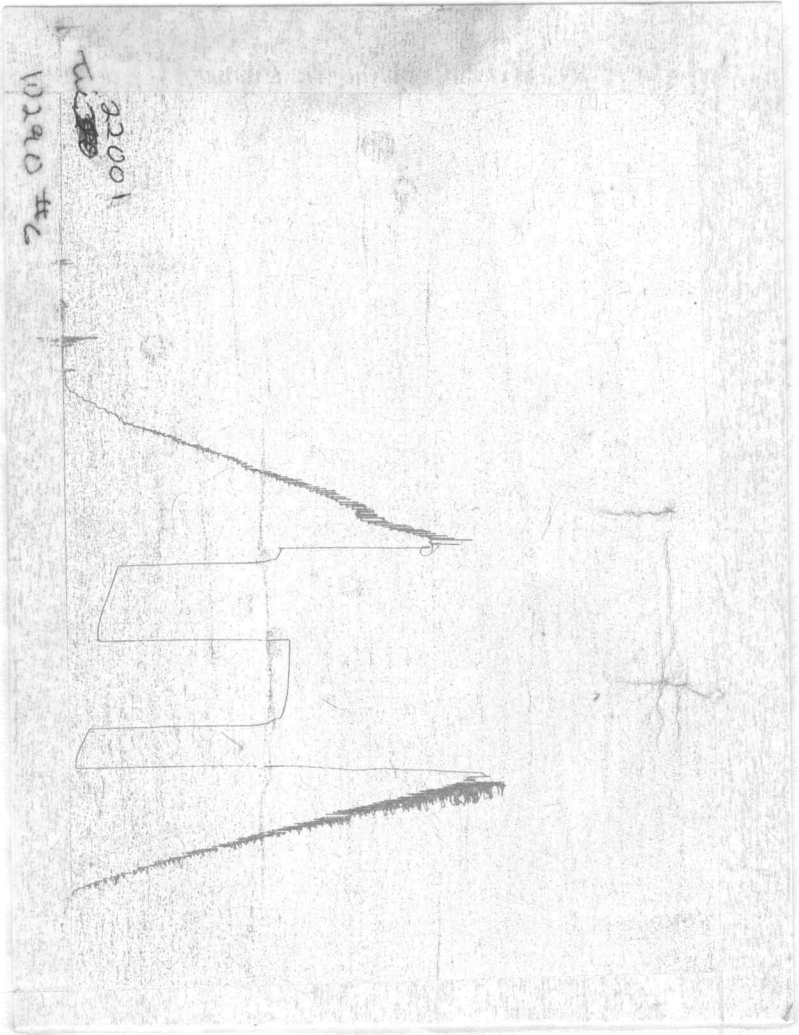


CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.



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