

DRILL STEM TEST REPORT

Prepared For: **R.P. Nixon Oper Inc**

207 West 12th St
Hays, KS 67601

ATTN: R.P. Nixon Oper Inc

8-14-21 Trego ,Ks

Norbert #2

Start Date: 2005.08.06 @ 13:20:53

End Date: 2005.08.06 @ 17:40:07

Job Ticket #: 21337 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

R.P. Nixon Oper Inc

Norbert #2

207 West 12th St
Hays, KS 67601

8-14-21 Trego ,Ks

Job Ticket: 21337

DST#: 1

ATTN: R.P. Nixon Oper Inc

Test Start: 2005.08.06 @ 13:20:53

GENERAL INFORMATION:

Formation: **Lans**

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

Time Tool Opened: 14:53:22

Time Test Ended: 17:40:07

Test Type: **Conventional Bottom Hole**

Tester: **Shane McBride**

Unit No: **25**

Interval: **3666.00 ft (KB) To 3699.00 ft (KB) (TVD)**

Total Depth: **3699.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2178.00 ft (KB)**

2173.00 ft (CF)

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

Serial #: 6798

Inside

Press@RunDepth: **23.51 psig @ 3667.00 ft (KB)**

Start Date: **2005.08.06**

End Date:

2005.08.06

Capacity: **7000.00 psig**

Last Calib.: **2005.08.06**

Start Time: **13:20:53**

End Time:

17:33:07

Time On Btm: **2005.08.06 @ 14:53:07**

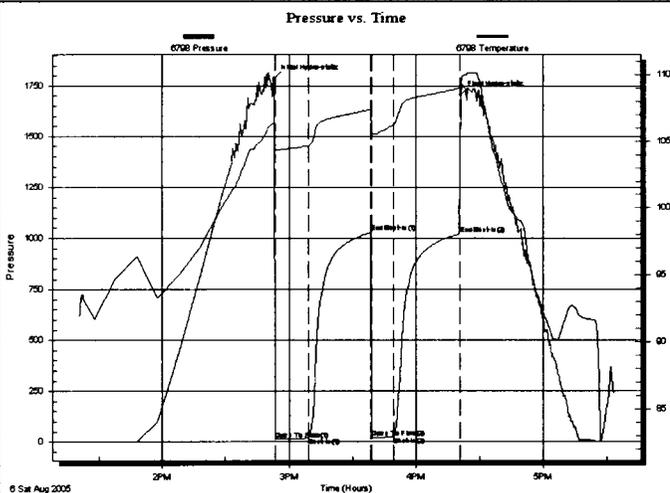
Time Off Btm: **2005.08.06 @ 16:21:07**

TEST COMMENT: **Surface blow died in 12 min.**

No return

No blow

No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1788.67	106.29	Initial Hydro-static
1	12.40	104.40	Open To Flow (1)
16	17.96	104.60	Shut-in(1)
46	1028.73	107.38	End Shut-in(1)
46	19.90	105.59	Open To Flow (2)
56	23.51	106.19	Shut-in(2)
88	1019.82	108.97	End Shut-in(2)
88	1705.69	109.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud w/oil spots 100% m	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

R.P. Nixon Oper Inc

Norbert #2

207 West 12th St
Hays, KS 67601

8-14-21 Trego ,Ks

Job Ticket: 21337

DST#: 1

ATTN: R.P. Nixon Oper Inc

Test Start: 2005.08.06 @ 13:20:53

Tool Information

Drill Pipe:	Length: 3664.00 ft	Diameter: 3.80 inches	Volume: 51.40 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 51.40 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3666.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	33.00 ft			
Tool Length:	53.00 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			3647.00	
Shut In Tool	5.00			3652.00	
Hydraulic tool	5.00			3657.00	
Packer	5.00			3662.00	20.00 Bottom Of Top Packer
Packer	4.00			3666.00	
Stubb	1.00			3667.00	
Recorder	0.00	6798	Inside	3667.00	
Perforations	27.00			3694.00	
Recorder	0.00	11058	Outside	3694.00	
Bullnose	5.00			3699.00	33.00 Bottom Packers & Anchor
Total Tool Length:	53.00				



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

R.P. Nixon Oper Inc

Norbert #2

207 West 12th St
Hays, KS 67601

8-14-21 Trego ,Ks

Job Ticket: 21337

DST#: 1

ATTN: R.P. Nixon Oper Inc

Test Start: 2005.08.06 @ 13:20:53

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

4200 ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud w/oil spots 100%m	0.070

Total Length: 5.00 ft

Total Volume: 0.070 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

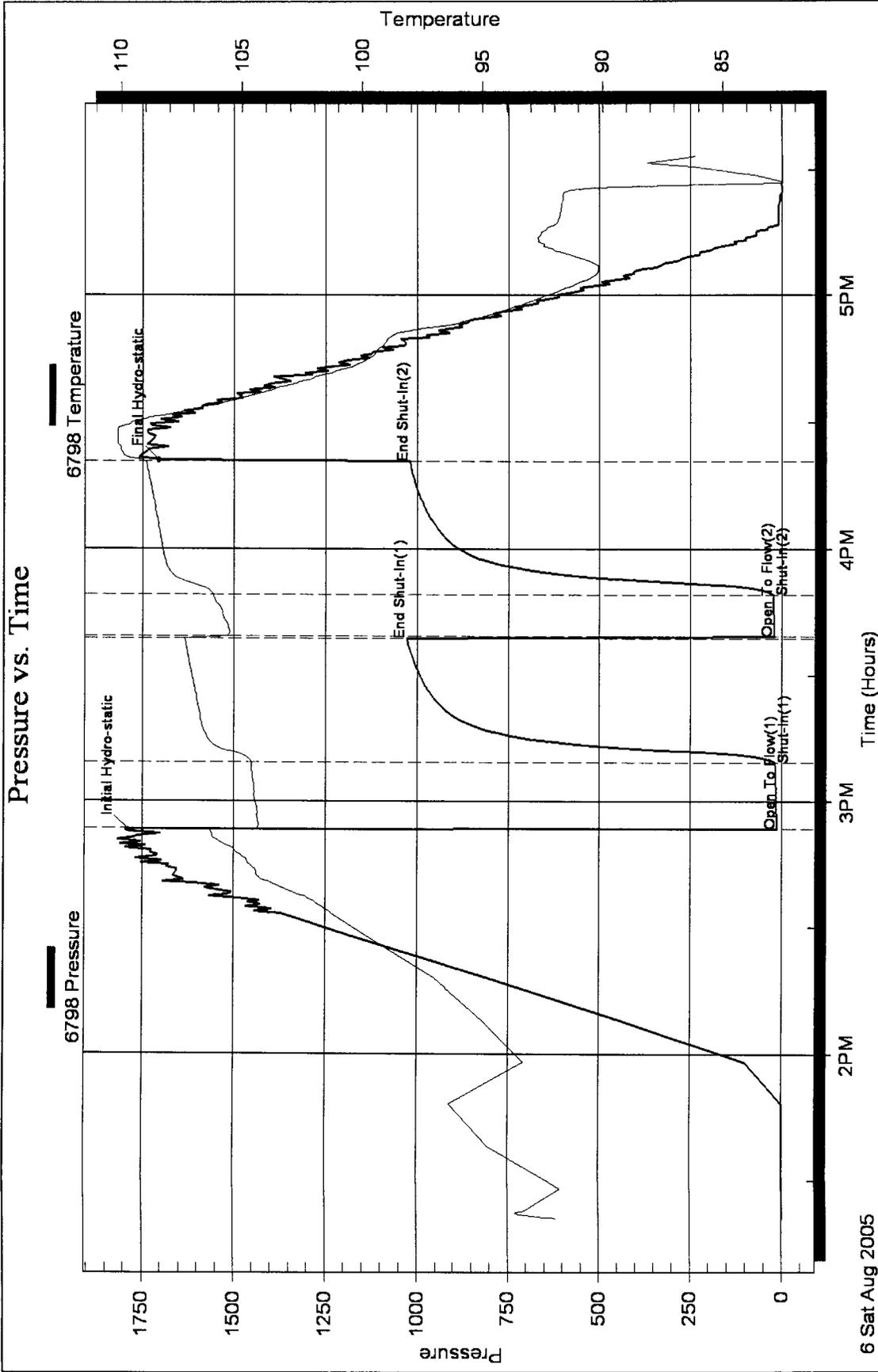
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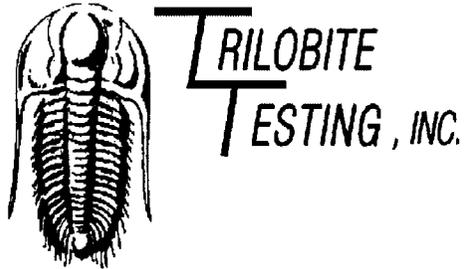
Inside

R.P. Nixon Oper Inc

8-14-21 Trego, Ks

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **R.P. Nixon Oper Inc**

207 West 12th St
Hays, KS 67601

ATTN: R.P. Nixon Oper Inc

8-14-21 Trego ,Ks

Norbert #2

Start Date: 2005.08.07 @ 01:34:55

End Date: 2005.08.07 @ 05:50:54

Job Ticket #: 21338 DST #: 2

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

R.P. Nixon Oper Inc

Norbert #2

207 West 12th St
Hays, KS 67601

8-14-21 Trego ,Ks

Job Ticket: 21338

DST#: 2

ATTN: R.P. Nixon Oper Inc

Test Start: 2005.08.07 @ 01:34:55

GENERAL INFORMATION:

Formation: **Lans**

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

Time Tool Opened: 03:03:39

Time Test Ended: 05:50:54

Test Type: **Conventional Bottom Hole**

Tester: **Shane McBride**

Unit No: **25**

Interval: **3701.00 ft (KB) To 3737.00 ft (KB) (TVD)**

Total Depth: **3737.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2178.00 ft (KB)**

2173.00 ft (CF)

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

Serial #: 6798

Inside

Press@RunDepth: **42.75 psig @ 3702.00 ft (KB)**

Start Date: **2005.08.07**

End Date:

2005.08.07

Start Time: **01:34:55**

End Time:

05:39:54

Capacity: **7000.00 psig**

Last Calib.: **2005.08.07**

Time On Btm: **2005.08.07 @ 03:03:09**

Time Off Btm: **2005.08.07 @ 04:28:39**

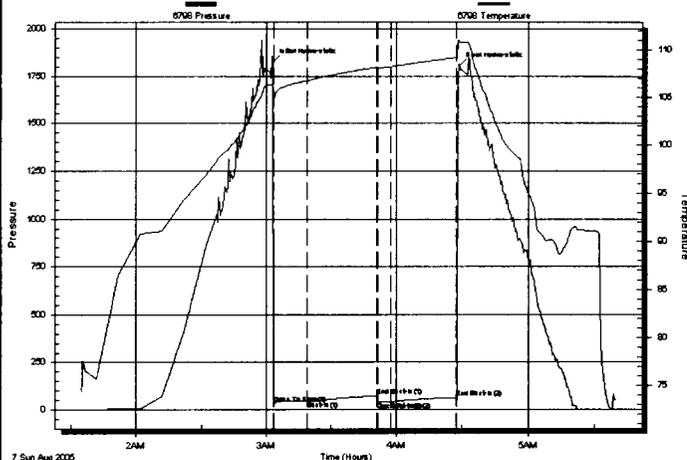
TEST COMMENT: Mud dropped 8' @ open 1 1/2" in. blow died back to 1" in.

No return

No blow

No return

Pressure vs. Time



PRESSURE SUMMARY

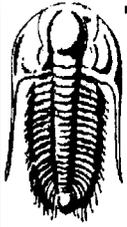
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1823.68	106.13	Initial Hydro-static
1	29.15	104.70	Open To Flow (1)
16	43.43	106.74	Shut-In(1)
48	72.64	108.15	End Shut-In(1)
49	42.78	108.05	Open To Flow (2)
55	42.75	108.22	Shut-In(2)
85	63.13	109.18	End Shut-In(2)
86	1805.06	111.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	mud 100%m	0.21

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

R.P. Nixon Oper Inc

Norbert #2

207 West 12th St
Hays, KS 67601

8-14-21 Trego ,Ks

Job Ticket: 21338

DST#: 2

ATTN: R.P. Nixon Oper Inc

Test Start: 2005.08.07 @ 01:34:55

Tool Information

Drill Pipe:	Length: 3696.00 ft	Diameter: 3.80 inches	Volume: 51.85 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 51.85 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3701.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	36.00 ft			
Tool Length:	56.00 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			3682.00	
Shut In Tool	5.00			3687.00	
Hydraulic tool	5.00			3692.00	
Packer	5.00			3697.00	20.00 Bottom Of Top Packer
Packer	4.00			3701.00	
Stubb	1.00			3702.00	
Recorder	0.00	6798	Inside	3702.00	
Perforations	30.00			3732.00	
Recorder	0.00	11058	Outside	3732.00	
Bullnose	5.00			3737.00	36.00 Bottom Packers & Anchor
Total Tool Length:	56.00				



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

R.P. Nixon Oper Inc

Norbert #2

207 West 12th St
Hays, KS 67601

8-14-21 Trego ,Ks

Job Ticket: 21338

DST#: 2

ATTN: R.P. Nixon Oper Inc

Test Start: 2005.08.07 @ 01:34:55

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	4200 ppm
Viscosity: 45.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 4200.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	mud 100%m	0.210

Total Length: 15.00 ft Total Volume: 0.210 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

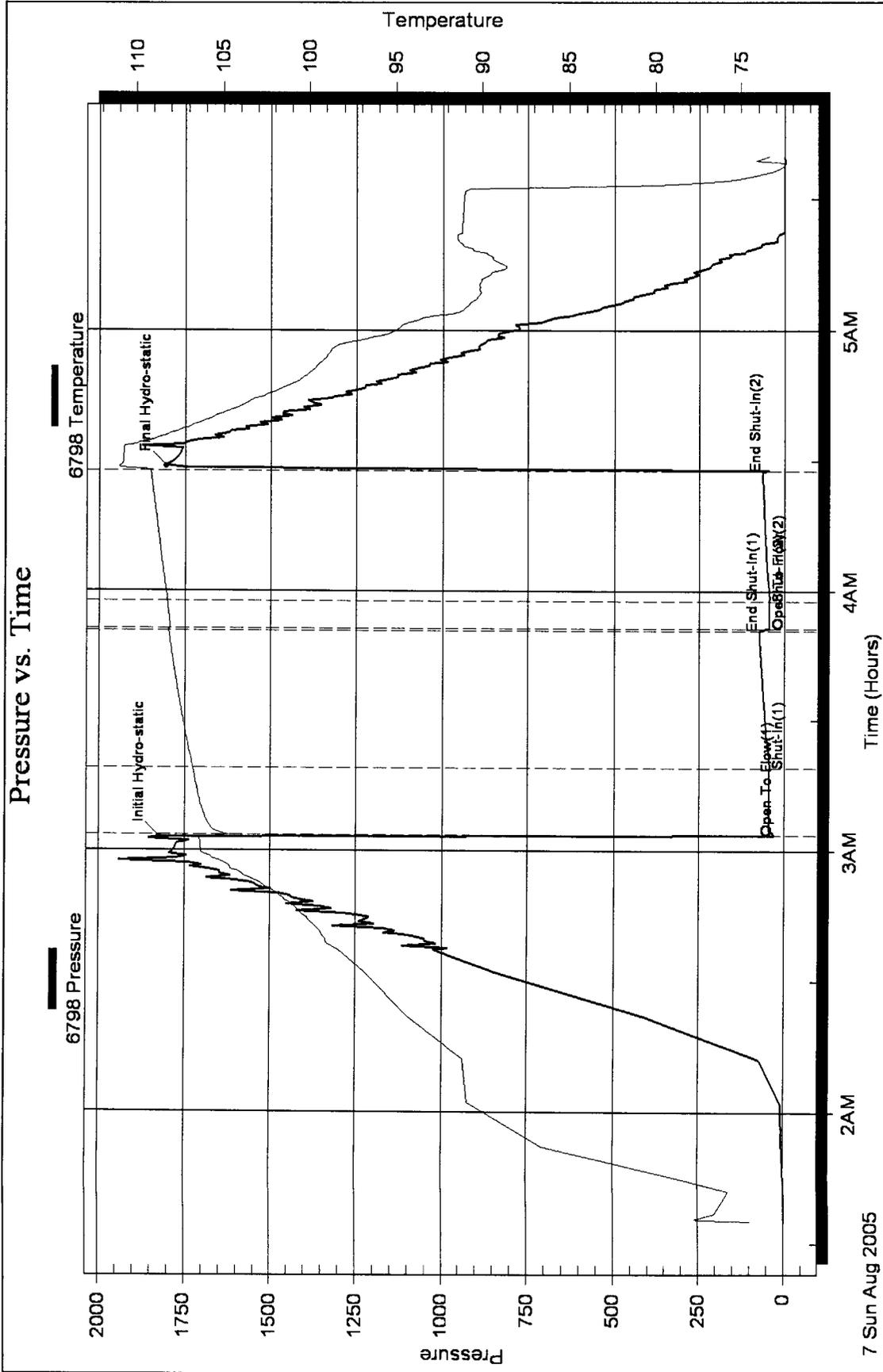
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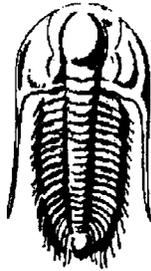
Inside

R.P. Nixon Oper Inc

8-14-21 Trego, Ks

DST Test Number: 2





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **R.P. Nixon Oper Inc**

207 West 12th St
Hays, KS 67601

ATTN: R.P. Nixon Oper Inc

8-14-21 Trego ,Ks

Norbert #2

Start Date: 2005.08.07 @ 12:05:57

End Date: 2005.08.07 @ 03:35:26

Job Ticket #: 21339 DST #: 3

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

R.P. Nixon Oper Inc

Norbert #2

8-14-21 Trego ,Ks

DST # 3

marm

2005.08.07



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

R.P. Nixon Oper Inc

Norbert #2

207 West 12th St
Hays, KS 67601

8-14-21 Trego ,Ks

Job Ticket: 21339

DST#: 3

ATTN: R.P. Nixon Oper Inc

Test Start: 2005.08.07 @ 12:05:57

GENERAL INFORMATION:

Formation: **marm**

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

Time Tool Opened: 02:25:00

Time Test Ended: 03:35:26

Test Type: **Conventional Bottom Hole**

Tester: **Shane McBride**

Unit No: **25**

Interval: **3852.00 ft (KB) To 3919.00 ft (KB) (TVD)**

Reference Elevations: **2178.00 ft (KB)**

Total Depth: **3919.00 ft (KB) (TVD)**

2173.00 ft (CF)

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

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

Serial #: 6798 **Inside**

Press@RunDepth: **psig @ 3853.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2005.08.07**

End Date:

2005.08.07

Last Calib.: **2005.08.08**

Start Time: **12:05:57**

End Time:

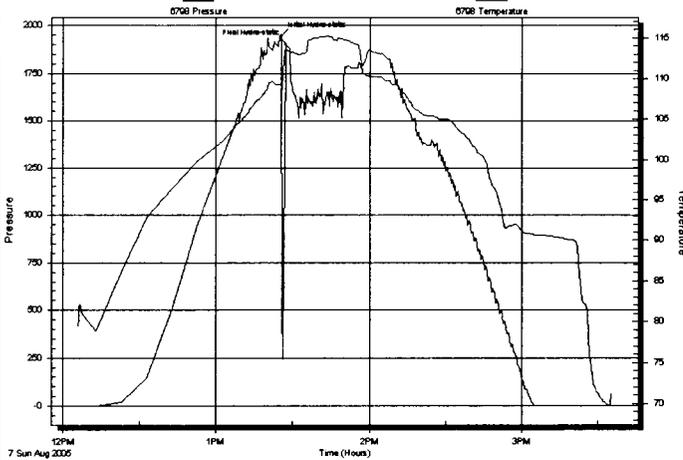
15:35:26

Time On Btm: **2005.08.07 @ 13:25:26**

Time Off Btm: **2005.08.07 @ 13:27:11**

TEST COMMENT: Packers failed @ open , pull tool

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1946.59	109.42	Initial Hydro-static
2	1902.89	113.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2400.00	mud	33.67

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

R.P. Nixon Oper Inc

Norbert #2

207 West 12th St
Hays, KS 67601

8-14-21 Trego ,Ks

Job Ticket: 21339

DST#: 3

ATTN: R.P. Nixon Oper Inc

Test Start: 2005.08.07 @ 12:05:57

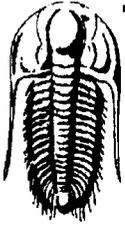
Tool Information

Drill Pipe:	Length: 3850.00 ft	Diameter: 3.80 inches	Volume: 54.01 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 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: 54.01 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3852.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	67.00 ft			
Tool Length:	87.00 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			3833.00	
Shut In Tool	5.00			3838.00	
Hydraulic tool	5.00			3843.00	
Packer	5.00			3848.00	20.00 Bottom Of Top Packer
Packer	4.00			3852.00	
Stubb	1.00			3853.00	
Recorder	0.00	6798	Inside	3853.00	
Perforations	30.00			3883.00	
Drill Pipe	31.00			3914.00	
Recorder	0.00	11058	Outside	3914.00	
Bullnose	5.00			3919.00	67.00 Bottom Packers & Anchor

Total Tool Length: 87.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

R.P. Nixon Oper Inc

Norbert #2

207 West 12th St
Hays, KS 67601

8-14-21 Trego ,Ks

Job Ticket: 21339

DST#: 3

ATTN: R.P. Nixon Oper Inc

Test Start: 2005.08.07 @ 12:05:57

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 3000 ppm
Viscosity: 45.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.79 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 4200.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2400.00	mud	33.666

Total Length: 2400.00 ft Total Volume: 33.666 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

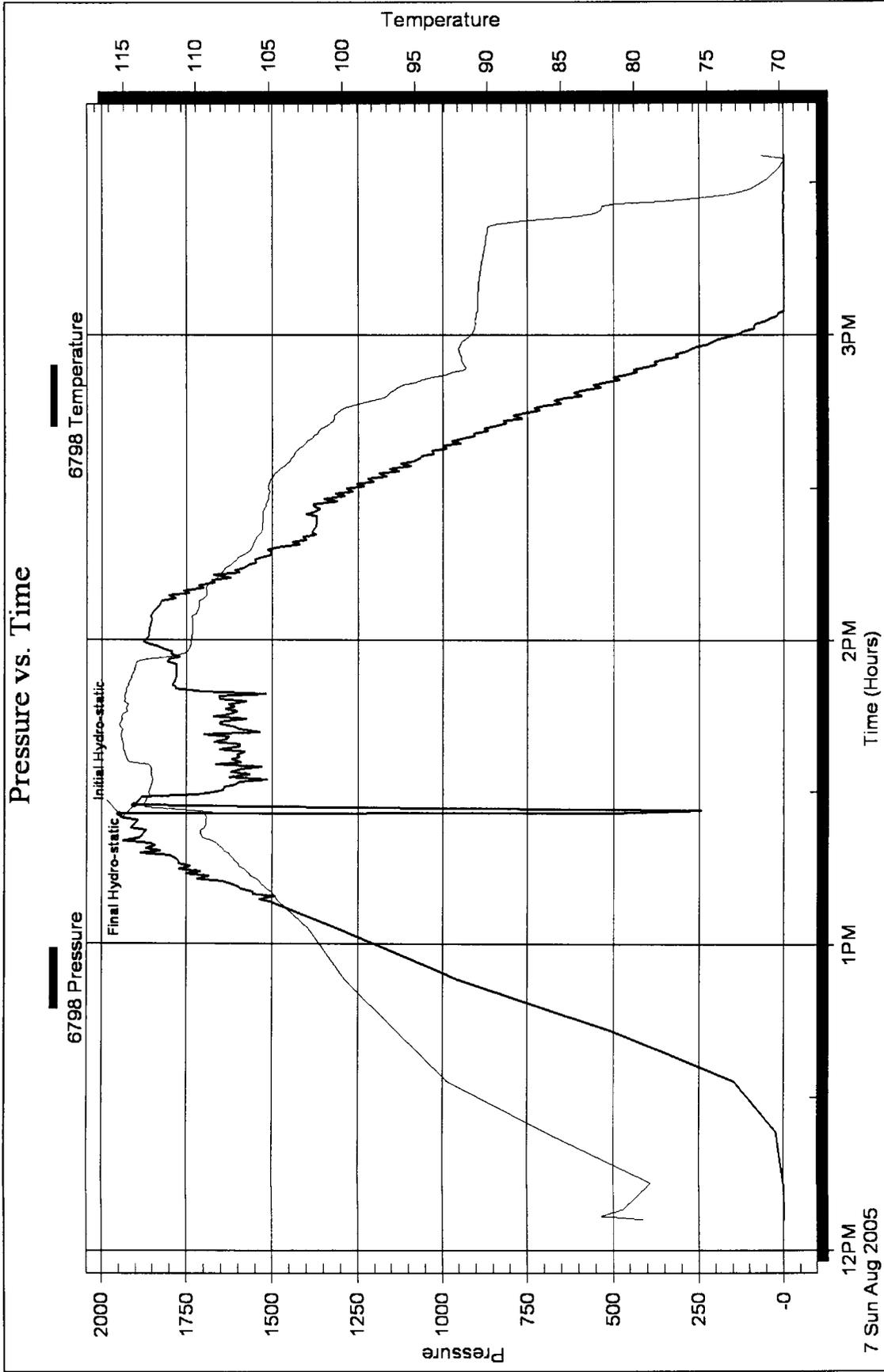
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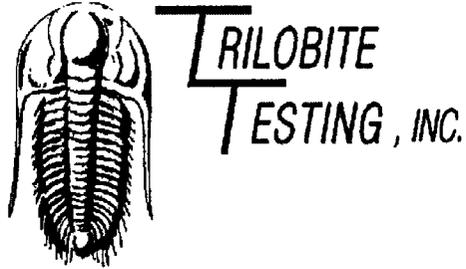
Inside

R.P. Nixon Oper Inc

8-14-21 Trego, Ks

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **R.P. Nixon Oper Inc**

207 West 12th St
Hays, KS 67601

ATTN: R.P. Nixon Oper Inc

8-14-21 Trego ,Ks

Norbert #2

Start Date: 2005.08.08 @ 03:45:36

End Date: 2005.08.08 @ 07:23:20

Job Ticket #: 21340 DST #: 4

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

R.P. Nixon Oper Inc

Norbert #2

207 West 12th St
Hays, KS 67601

8-14-21 Trego ,Ks

Job Ticket: 21340

DST#: 4

ATTN: R.P. Nixon Oper Inc

Test Start: 2005.08.08 @ 03:45:36

GENERAL INFORMATION:

Formation: **marm**

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

Time Tool Opened: 05:30:00

Time Test Ended: 07:23:20

Test Type: Conventional Bottom Hole

Tester: Shane McBride

Unit No: 25

Interval: **3875.00 ft (KB) To 3919.00 ft (KB) (TVD)**

Total Depth: 3919.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2178.00 ft (KB)

2173.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6798 Inside

Press@RunDepth: psig @ 3876.00 ft (KB)

Start Date: 2005.08.08

End Date:

2005.08.08

Start Time: 03:45:36

End Time:

07:23:20

Capacity: 7000.00 psig

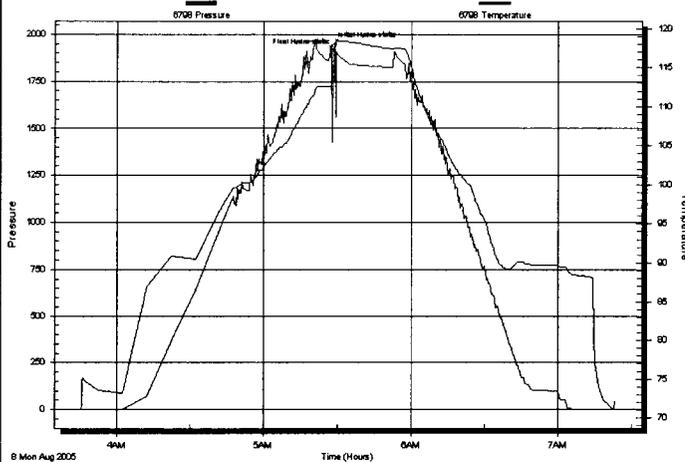
Last Calib.: 2005.08.08

Time On Btm: 2005.08.08 @ 05:27:35

Time Off Btm: 2005.08.08 @ 05:29:35

TEST COMMENT: Packers failed @ open , pull tool

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1938.05	112.58	Initial Hydro-static
2	1901.94	118.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
240.00	mud	3.37

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

R.P. Nixon Oper Inc

Norbert #2

207 West 12th St
Hays, KS 67601

8-14-21 Trego ,Ks

Job Ticket: 21340

DST#: 4

ATTN: R.P. Nixon Oper Inc

Test Start: 2005.08.08 @ 03:45:36

Tool Information

Drill Pipe:	Length: 3880.00 ft	Diameter: 3.80 inches	Volume: 54.43 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 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: 54.43 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3875.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	44.00 ft			
Tool Length:	64.00 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			3856.00	
Shut In Tool	5.00			3861.00	
Hydraulic tool	5.00			3866.00	
Packer	5.00			3871.00	20.00 Bottom Of Top Packer
Packer	4.00			3875.00	
Stubb	1.00			3876.00	
Recorder	0.00	6798	Inside	3876.00	
Perforations	7.00			3883.00	
Drill Pipe	31.00			3914.00	
Recorder	0.00	11058	Outside	3914.00	
Bullnose	5.00			3919.00	44.00 Bottom Packers & Anchor

Total Tool Length: 64.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

R.P. Nixon Oper Inc

Norbert #2

207 West 12th St
Hays, KS 67601

8-14-21 Trego ,Ks

Job Ticket: 21340

DST#: 4

ATTN: R.P. Nixon Oper Inc

Test Start: 2005.08.08 @ 03:45:36

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	8000 ppm
Viscosity: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.79 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 8000.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
240.00	mud	3.367

Total Length: 240.00 ft Total Volume: 3.367 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

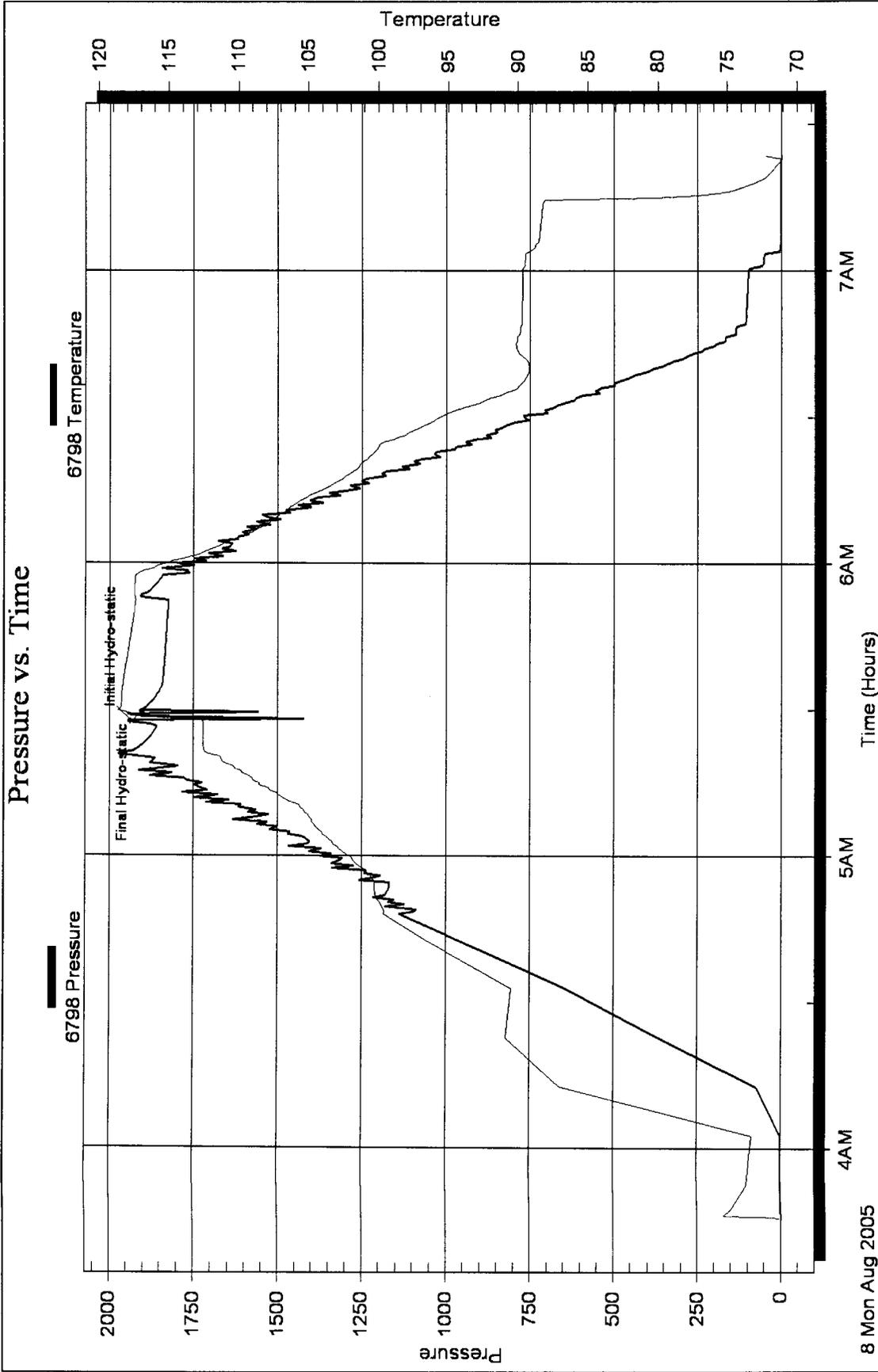
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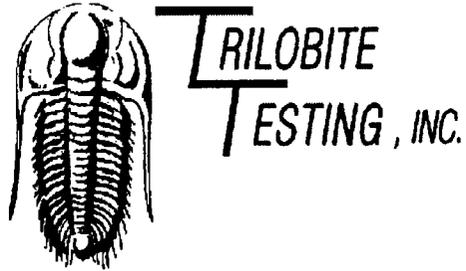
Inside

R.P. Nixon Oper Inc

8-14-21 Trego, Ks

DST Test Number: 4





DRILL STEM TEST REPORT

Prepared For: **R.P. Nixon Oper Inc**

207 West 12th St
Hays, KS 67601

ATTN: R.P. Nixon Oper Inc

8-14-21 Trego ,Ks

Norbert #2

Start Date: 2005.08.08 @ 16:16:58

End Date: 2005.08.08 @ 22:00:57

Job Ticket #: 21341 DST #: 5

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

R.P. Nixon Oper Inc

Norbert #2

207 West 12th St
Hays, KS 67601

8-14-21 Trego ,Ks

Job Ticket: 21341

DST#: 5

ATTN: R.P. Nixon Oper Inc

Test Start: 2005.08.08 @ 16:16:58

GENERAL INFORMATION:

Formation: **cherokee**

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

Time Tool Opened: 17:33:12

Time Test Ended: 22:00:57

Test Type: **Conventional Bottom Hole**

Tester: **Shane McBride**

Unit No: **25**

Interval: **3916.00 ft (KB) To 3953.00 ft (KB) (TVD)**

Reference Elevations: **2178.00 ft (KB)**

Total Depth: **3953.00 ft (KB) (TVD)**

2173.00 ft (CF)

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

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

Serial #: 6798

Inside

Press@RunDepth: **329.83 psig @ 3917.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2005.08.08**

End Date: **2005.08.08**

Last Calib.: **2005.08.08**

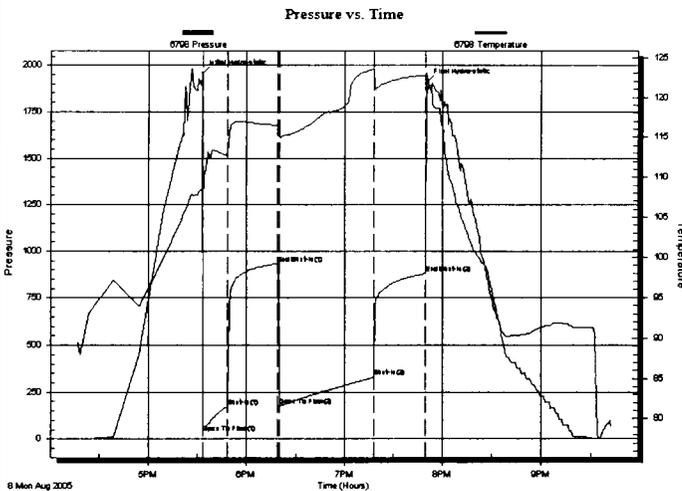
Start Time: **16:16:58**

End Time: **21:42:57**

Time On Btm: **2005.08.08 @ 17:32:57**

Time Off Btm: **2005.08.08 @ 19:50:12**

TEST COMMENT: B.O.B. in 8 min
Return blow in 5 min built to 1" in
B.O.B. in 6 min
Return blow in 2 min built to 1" in.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1957.73	108.61	Initial Hydro-static
1	30.12	106.93	Open To Flow (1)
16	169.97	113.14	Shut-In(1)
46	932.42	116.52	End Shut-In(1)
47	177.15	115.18	Open To Flow (2)
105	329.83	123.55	Shut-In(2)
137	879.69	122.77	End Shut-In(2)
138	1908.69	123.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
480.00	c g o 20g 80o	6.73
420.00	g m c o 35g 35o 30m	5.89

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

R.P. Nixon Oper Inc

Norbert #2

207 West 12th St
Hays, KS 67601

8-14-21 Trego ,Ks

Job Ticket: 21341

DST#: 5

ATTN: R.P. Nixon Oper Inc

Test Start: 2005.08.08 @ 16:16:58

Tool Information

Drill Pipe:	Length: 3911.00 ft	Diameter: 3.80 inches	Volume: 54.86 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 54.86 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3916.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	37.00 ft			
Tool Length:	57.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3897.00	
Shut In Tool	5.00			3902.00	
Hydraulic tool	5.00			3907.00	
Packer	5.00			3912.00	20.00 Bottom Of Top Packer
Packer	4.00			3916.00	
Stubb	1.00			3917.00	
Recorder	0.00	6798	Inside	3917.00	
Perforations	31.00			3948.00	
Recorder	0.00	11058	Outside	3948.00	
Bullnose	5.00			3953.00	37.00 Bottom Packers & Anchor
Total Tool Length:	57.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

R.P. Nixon Oper Inc

Norbert #2

207 West 12th St
Hays, KS 67601

8-14-21 Trego ,Ks

Job Ticket: 21341

DST#: 5

ATTN: R.P. Nixon Oper Inc

Test Start: 2005.08.08 @ 16:16:58

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

43 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

8000 ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
480.00	c g o 20g 80o	6.733
420.00	g m c o 35g 35o 30m	5.891

Total Length: 900.00 ft Total Volume: 12.624 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 540' gas in pipe

Serial #: 6798

Inside

R.P. Nixon Oper Inc

8-14-21 Trego ,Ks

DST Test Number: 5

Pressure vs. Time

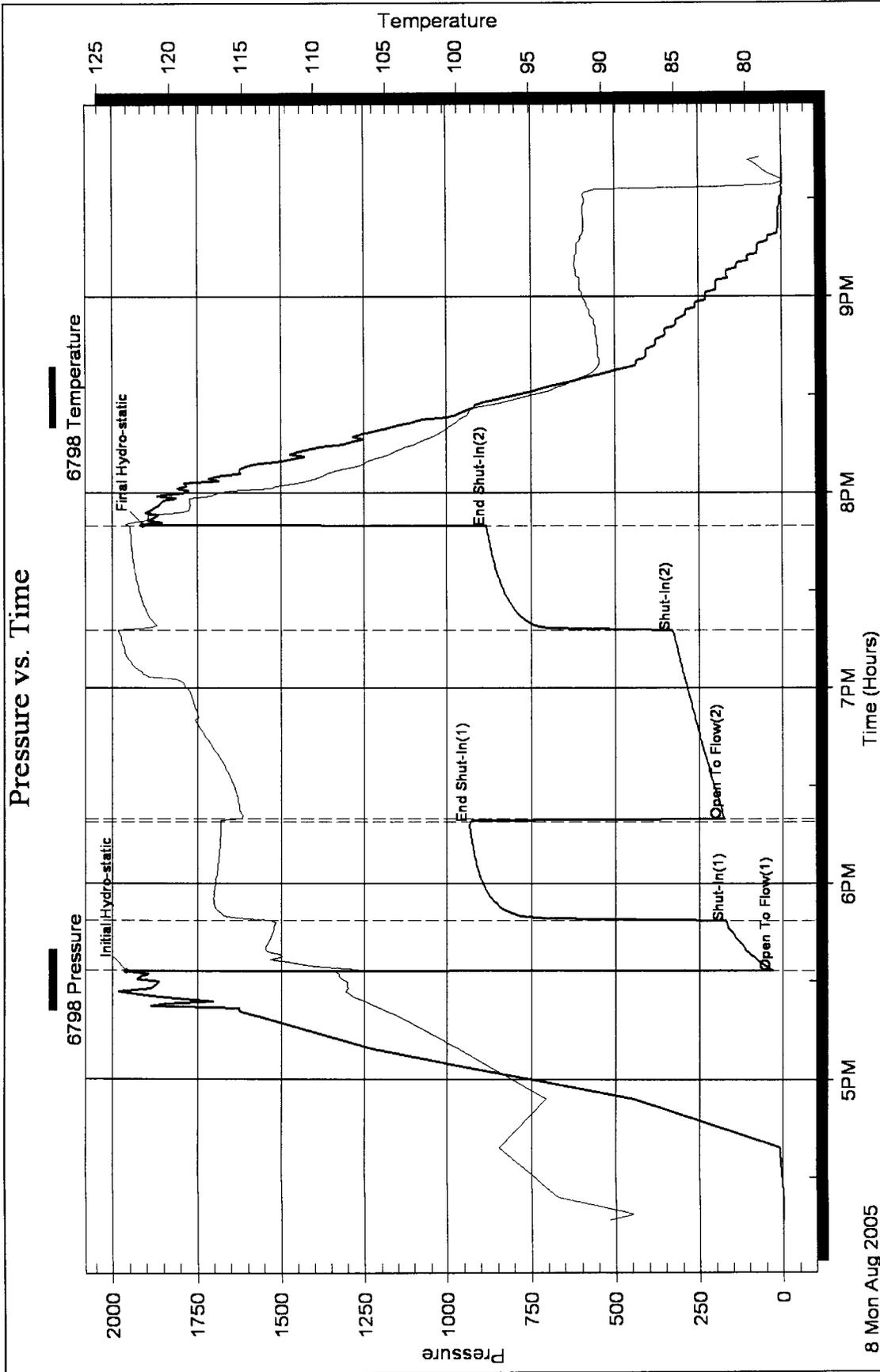


CHART PAGE

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

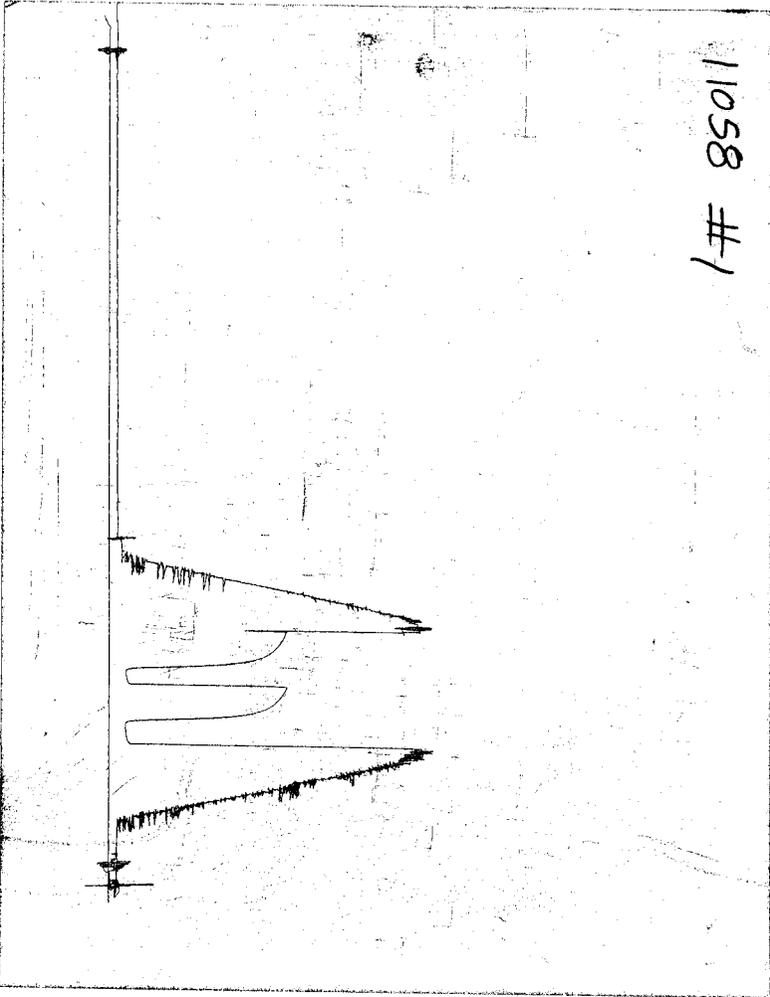


CHART PAGE

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

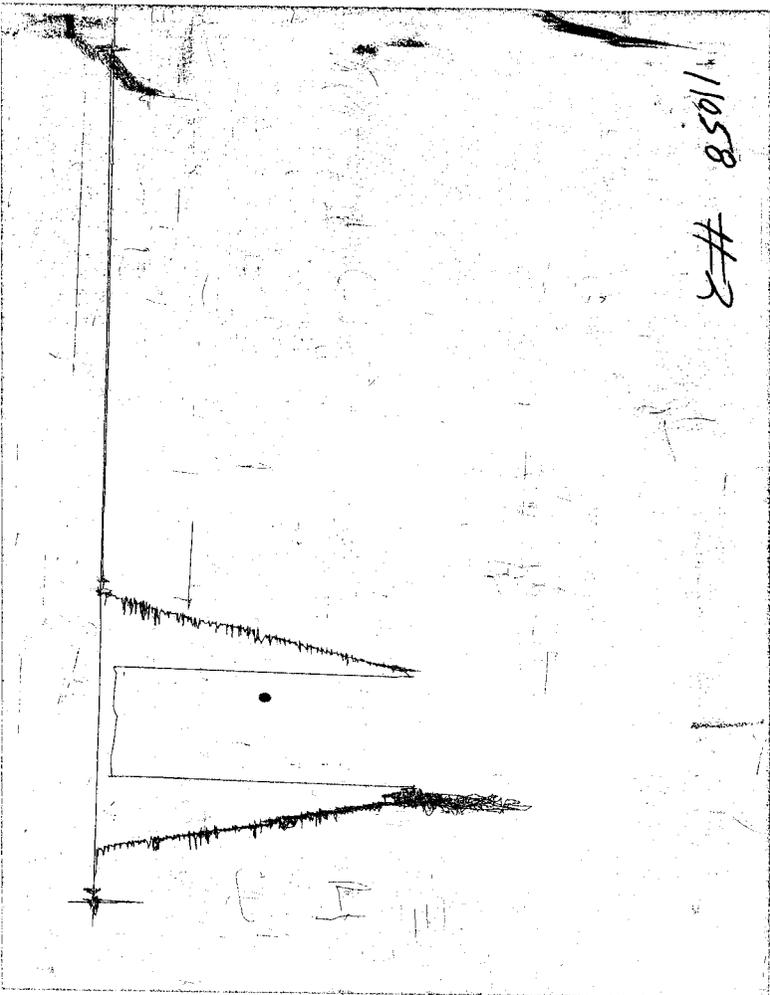


CHART PAGE

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

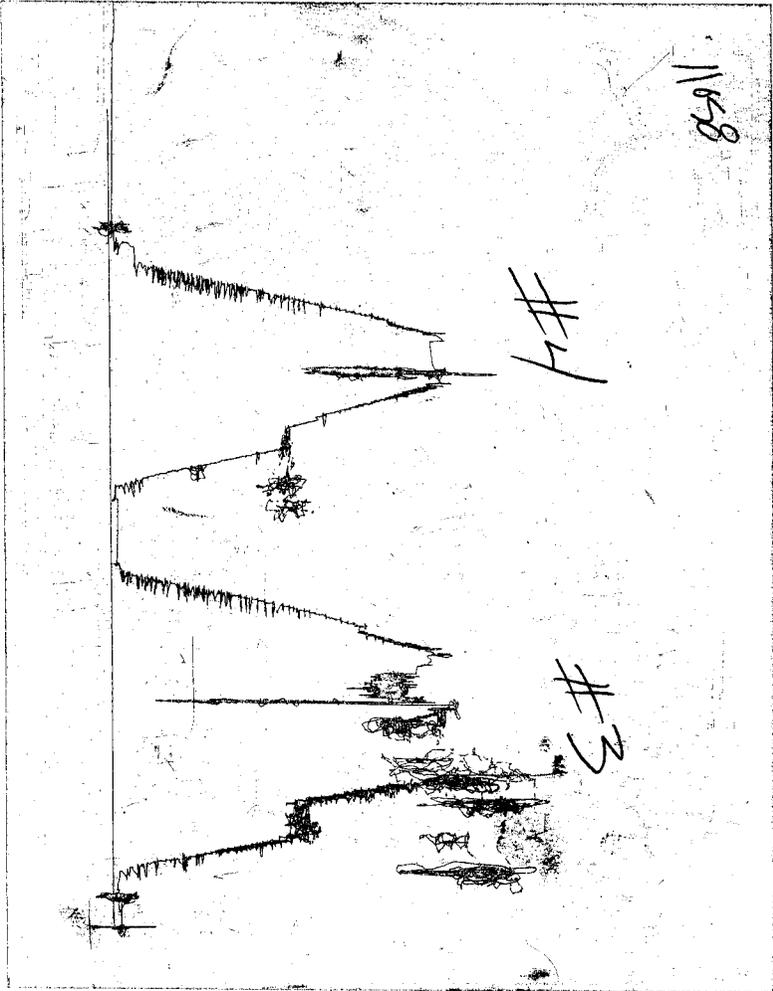


CHART PAGE

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

