



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Hutchinson Oil Co

Sleeper # 21-1

P.O.Box 521
Derby, KS 67037

21 22 11 Stafford KS

ATTN: Jeff Burk

Job Ticket: 35681

DST#: 1

Test Start: 2010.03.02 @ 19:05:25

Tool Information

Drill Pipe:	Length: 3270.00 ft	Diameter: 3.80 inches	Volume: 45.87 bbl	Tool Weight: 2300.00 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: 45000.00 lb
			Total Volume: 45.87 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3270.00 ft			Final 41000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	55.00 ft			
Tool Length:	75.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3255.00	
Hydraulic tool	5.00			3260.00	
Packer	5.00			3265.00	20.00 Bottom Of Top Packer
Packer	5.00			3270.00	
Stubb	1.00			3271.00	
Perforations	10.00			3281.00	
Change Over Sub	1.00			3282.00	
Recorder	0.00	6798	Inside	3282.00	
Recorder	0.00	8367	Inside	3282.00	
Blank Spacing	31.00			3313.00	
Change Over Sub	1.00			3314.00	
Perforations	8.00			3322.00	
Bullnose	3.00			3325.00	55.00 Bottom Packers & Anchor

Total Tool Length: 75.00

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WICHITA, KS



**TRILOBITE
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FLUID SUMMARY

Hutchinson Oil Co

Sleeper # 21-1

P.O.Box 521
Derby, KS 67037

21 22 11 Stafford KS

Job Ticket: 35681

DST#: 1

ATTN: Jeff Burk

Test Start: 2010.03.02 @ 19:05:25

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 8.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 65.00 sec/qt	Cushion Volume: bbl		
Water Loss: 12.13 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 12000.00 ppm			
Filter Cake: 0.21 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	VSGCM w/oil scum 2%g 98%m	0.561
0.00	30' GIP	0.000

Total Length: 40.00 ft Total Volume: 0.561 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

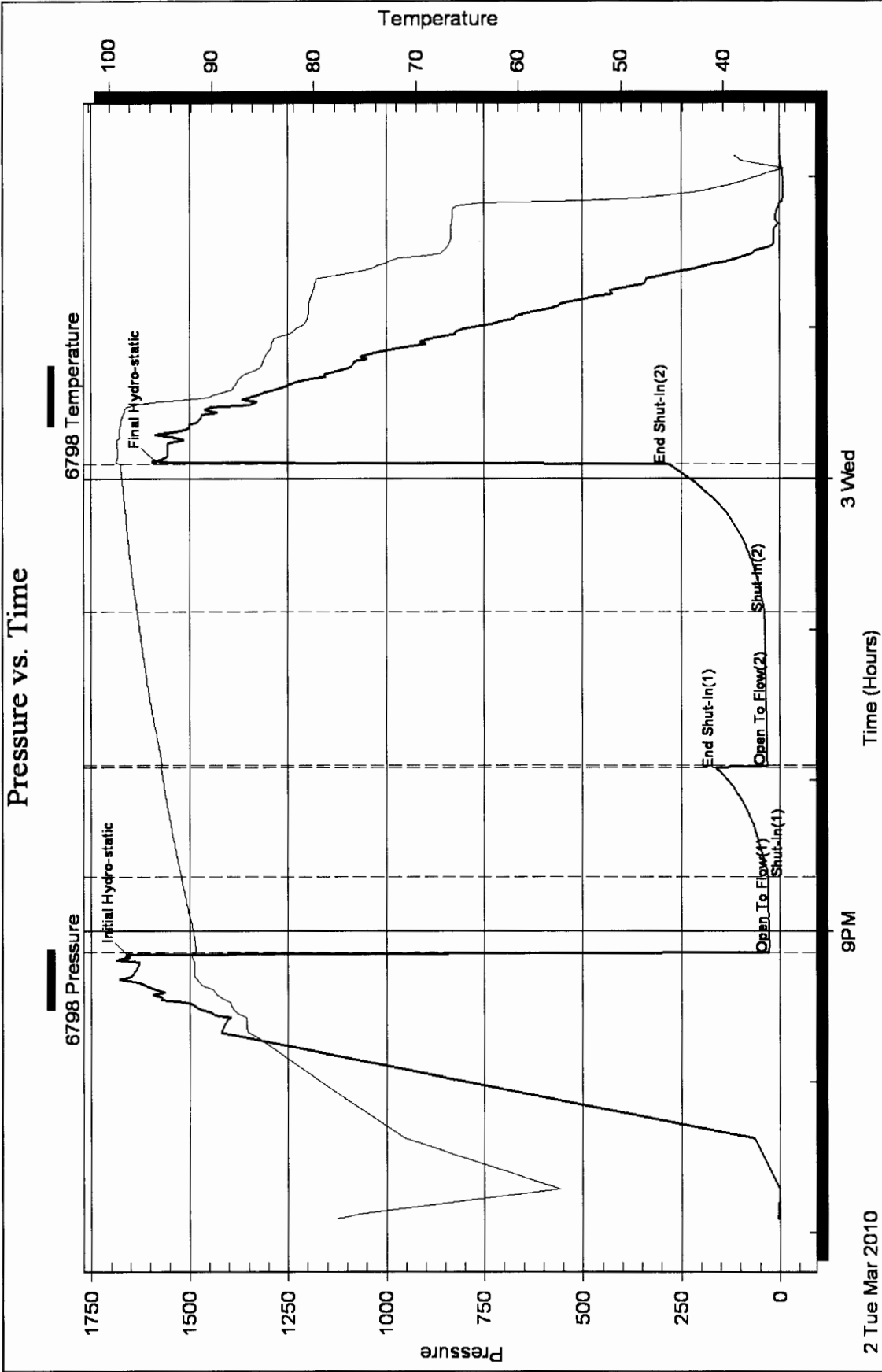
Serial #: none

Laboratory Name:

Laboratory Location:

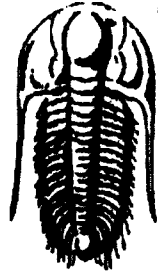
Recovery Comments:

Pressure vs. Time



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WICHITA, KS

DRILL STEM TEST REPORT

Prepared For: **Hutchinson Oil Co**

P.O.Box 521
Derby, KS 67037

ATTN: Jeff Burk

21 22 11 Stafford KS

Sleeper # 21-1

Start Date: 2010.03.03 @ 15:59:35

End Date: 2010.03.03 @ 22:35:35

Job Ticket #: 35682 DST #: 2

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Hutchinson Oil Co

Sleeper # 21-1

21 22 11 Stafford KS

DST # 2

Lansing " H-K "

2010.03.03



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Hutchinson Oil Co

Sleeper # 21-1

P.O.Box 521
Derby, KS 67037

21 22 11 Stafford KS

ATTN: Jeff Burk

Job Ticket: 35682

DST#: 2

Test Start: 2010.03.03 @ 15:59:35

GENERAL INFORMATION:

Formation: **Lansing "H-K"**

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

Time Tool Opened: 17:33:35

Time Test Ended: 22:35:35

Test Type: **Conventional Bottom Hole**

Tester: **Jerry Adams**

Unit No: **45**

Interval: **3375.00 ft (KB) To 3455.00 ft (KB) (TVD)**

Reference Elevations: **1827.00 ft (KB)**

Total Depth: **3455.00 ft (KB) (TVD)**

1819.00 ft (CF)

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

KB to GR/CF: **8.00 ft**

Serial #: 6798

Inside

Press@RunDepth: **81.12 psig @ 3385.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2010.03.03**

End Date:

2010.03.03

Last Calib.: **2010.03.03**

Start Time: **15:59:36**

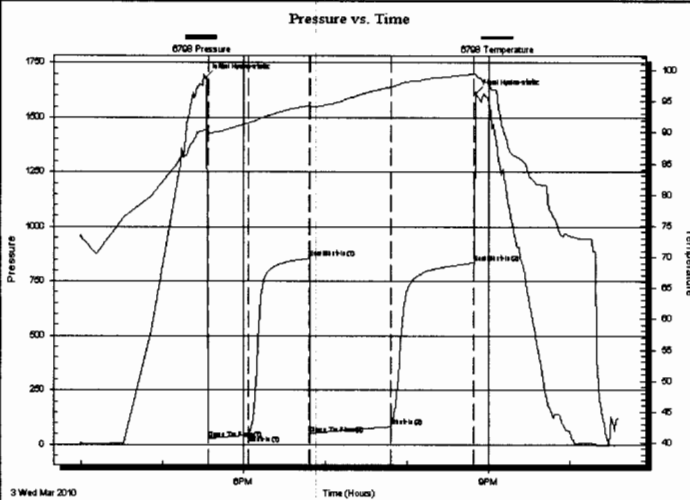
End Time:

22:35:35

Time On Btm: **2010.03.03 @ 17:32:05**

Time Off Btm: **2010.03.03 @ 20:50:35**

TEST COMMENT: IF: Fair blow . B.O.B. in 19 mins.
IS: No blow .
FF: Fair blow . B.O.B. in 20 mins.
FS: Very weak surface blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1678.95	90.39	Initial Hydro-static
2	26.58	89.93	Open To Flow (1)
31	44.92	91.48	Shut-In(1)
76	856.41	94.28	End Shut-In(1)
77	48.50	94.04	Open To Flow (2)
136	81.12	97.35	Shut-In(2)
197	836.64	99.40	End Shut-In(2)
199	1611.88	99.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
68.00	OCGsym 40%g 10%o 50%m	0.95
62.00	SG&OCM 10%g 5%o 85%m	0.87
0.00	150' GIP	0.00

Gas Rates

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



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TOOL DIAGRAM

Hutchinson Oil Co

Sleeper # 21-1

P.O.Box 521
Derby, KS 67037

21 22 11 Stafford KS

ATTN: Jeff Burk

Job Ticket: 35682

DST#: 2

Test Start: 2010.03.03 @ 15:59:35

Tool Information

Drill Pipe:	Length: 3364.00 ft	Diameter: 3.80 inches	Volume: 47.19 bbl	Tool Weight: 2300.00 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
			Total Volume: 47.19 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3375.00 ft			Final 43000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	80.00 ft			
Tool Length:	100.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

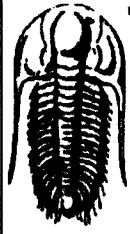
Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3360.00	
Hydraulic tool	5.00			3365.00	
Packer	5.00			3370.00	20.00 Bottom Of Top Packer
Packer	5.00			3375.00	
Stubb	1.00			3376.00	
Perforations	8.00			3384.00	
Change Over Sub	1.00			3385.00	
Recorder	0.00	6798	Inside	3385.00	
Recorder	0.00	8367	Inside	3385.00	
Blank Spacing	62.00			3447.00	
Change Over Sub	1.00			3448.00	
Perforations	4.00			3452.00	
Bullnose	3.00			3455.00	80.00 Bottom Packers & Anchor

Total Tool Length: 100.00

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FLUID SUMMARY

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Sleeper # 21-1

P.O.Box 521
Derby, KS 67037

21 22 11 Stafford KS

Job Ticket: 35682 **DST#: 2**

ATTN: Jeff Burk

Test Start: 2010.03.03 @ 15:59:35

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:	ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 14.33 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 14000.00 ppm			
Filter Cake: 0.21 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
68.00	OCGsyM 40%g 10%o 50%m	0.954
62.00	SG&OCM 10%g 5%o 85%m	0.870
0.00	150' GIP	0.000

Total Length: 130.00 ft Total Volume: 1.824 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

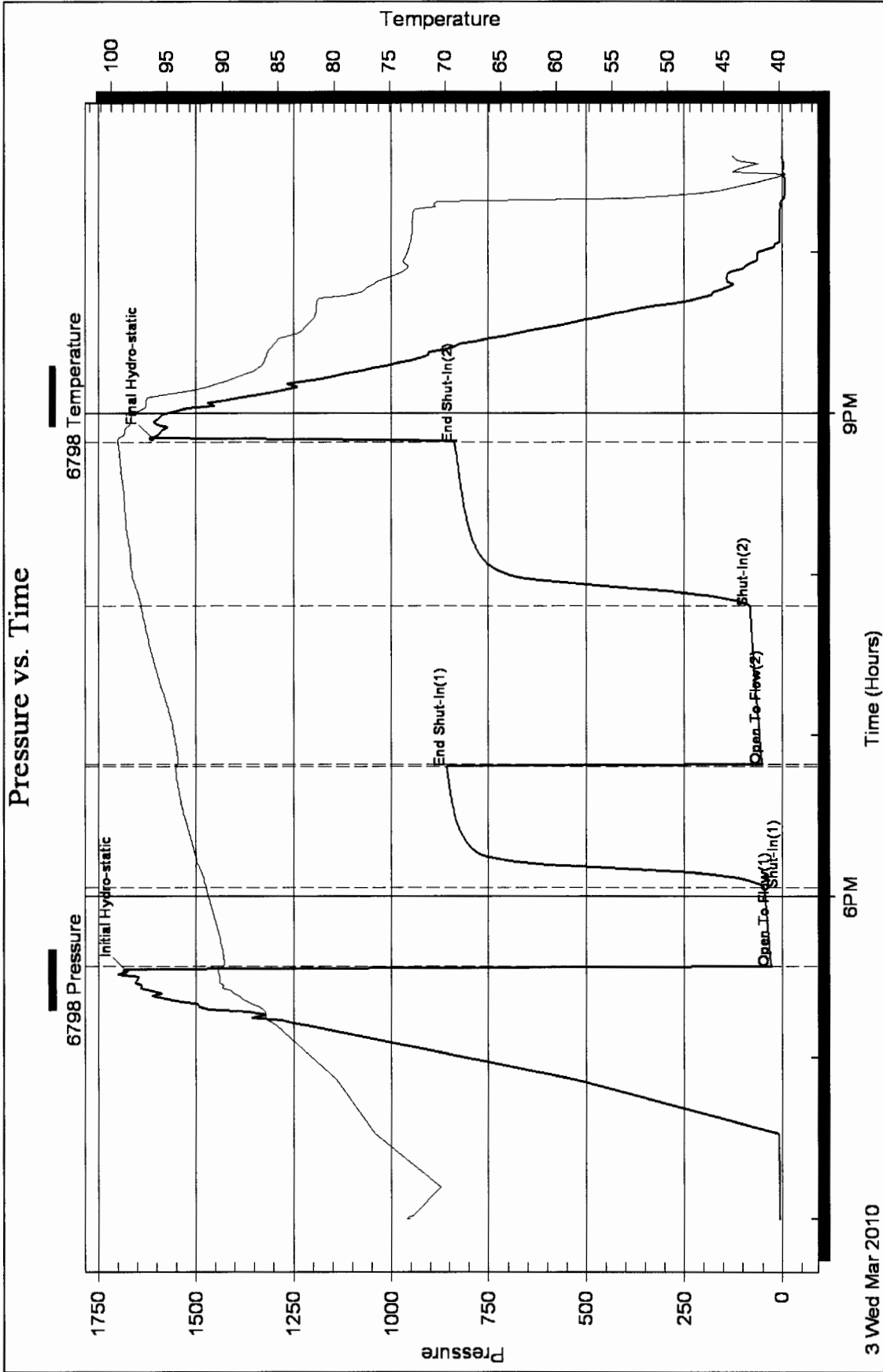
Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

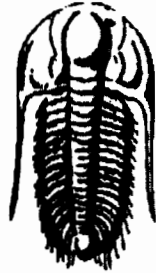


3 Wed Mar 2010

6PM

9PM

Time (Hours)



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Prepared For: **Hutchinson Oil Co**

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Sleeper # 21-1

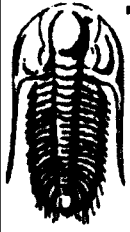
Start Date: 2010.03.04 @ 10:38:33

End Date: 2010.03.04 @ 17:22:33

Job Ticket #: 35683 DST #: 3

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WICHITA, KS

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Hutchinson Oil Co

P.O.Box 521
Derby, KS 67037

ATTN: Jeff Burk

Sleeper # 21-1

21 22 11 Stafford KS

Job Ticket: 35683

DST#: 3

Test Start: 2010.03.04 @ 10:38:33

GENERAL INFORMATION:

Formation: **Viola/Simpson**

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

Time Tool Opened: 12:38:03

Time Test Ended: 17:22:33

Test Type: **Conventional Bottom Hole**

Tester: **Jerry Adams**

Unit No: **45**

Interval: **3532.00 ft (KB) To 3584.00 ft (KB) (TVD)**

Reference Elevations: **1827.00 ft (KB)**

Total Depth: **3584.00 ft (KB) (TVD)**

1819.00 ft (CF)

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

KB to GR/CF: **8.00 ft**

Serial #: 6798

Inside

Press@RunDepth: **49.85 psig @ 3542.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2010.03.04**

End Date:

2010.03.04

Last Calib.: **2010.03.04**

Start Time: **10:38:34**

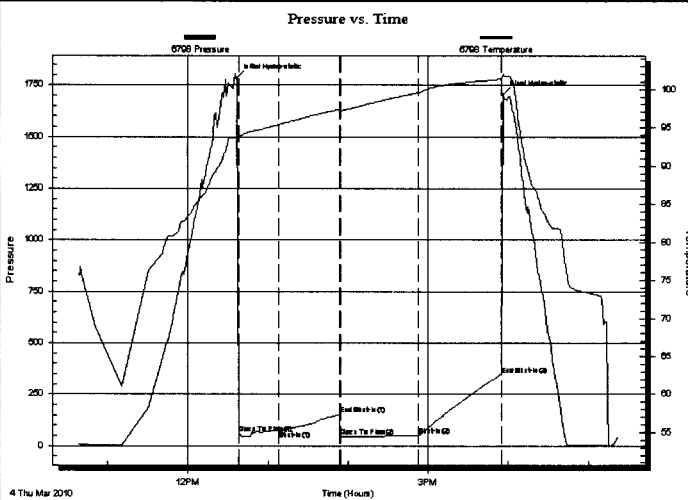
End Time:

17:22:33

Time On Btm: **2010.03.04 @ 12:36:33**

Time Off Btm: **2010.03.04 @ 15:56:03**

TEST COMMENT: IF: Strong blow . B.O.B. in 3 1/2 mins.
IS: Weak blow . Built to 5".
FF: Strong blow . B.O.B. in 3 mins.
FS: No blow .



PRESSURE SUMMARY

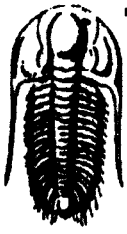
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1782.15	93.70	Initial Hydro-static
2	59.32	93.48	Open To Flow (1)
32	75.26	95.37	Shut-In(1)
77	151.41	97.33	End Shut-In(1)
78	46.46	97.23	Open To Flow (2)
137	49.85	99.56	Shut-In(2)
199	346.69	101.33	End Shut-In(2)
200	1705.77	102.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	Drilling Mud w oil specs	0.98

Gas Rates

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



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Sleeper # 21-1

P.O.Box 521
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21 22 11 Stafford KS

Job Ticket: 35683

DST#: 3

ATTN: Jeff Burk

Test Start: 2010.03.04 @ 10:38:33

Tool Information

Drill Pipe:	Length: 3519.00 ft	Diameter: 3.80 inches	Volume: 49.36 bbl	Tool Weight: 2300.00 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: 63000.00 lb
			Total Volume: 49.36 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3532.00 ft			Final 43000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	52.00 ft			
Tool Length:	72.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3517.00	
Hydraulic tool	5.00			3522.00	
Packer	5.00			3527.00	20.00 Bottom Of Top Packer
Packer	5.00			3532.00	
Stubb	1.00			3533.00	
Perforations	8.00			3541.00	
Change Over Sub	1.00			3542.00	
Recorder	0.00	6798	Inside	3542.00	
Recorder	0.00	8367	Inside	3542.00	
Blank Spacing	31.00			3573.00	
Change Over Sub	1.00			3574.00	
Perforations	7.00			3581.00	
Bullnose	3.00			3584.00	52.00 Bottom Packers & Anchor

Total Tool Length: 72.00

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Sleeper # 21-1

P.O.Box 521
Derby, KS 67037

21 22 11 Stafford KS

Job Ticket: 35683 **DST#: 3**

ATTN: Jeff Burk

Test Start: 2010.03.04 @ 10:38:33

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:	ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 14.74 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 16800.00 ppm			
Filter Cake: 0.21 inches			

Recovery Information

Recovery Table

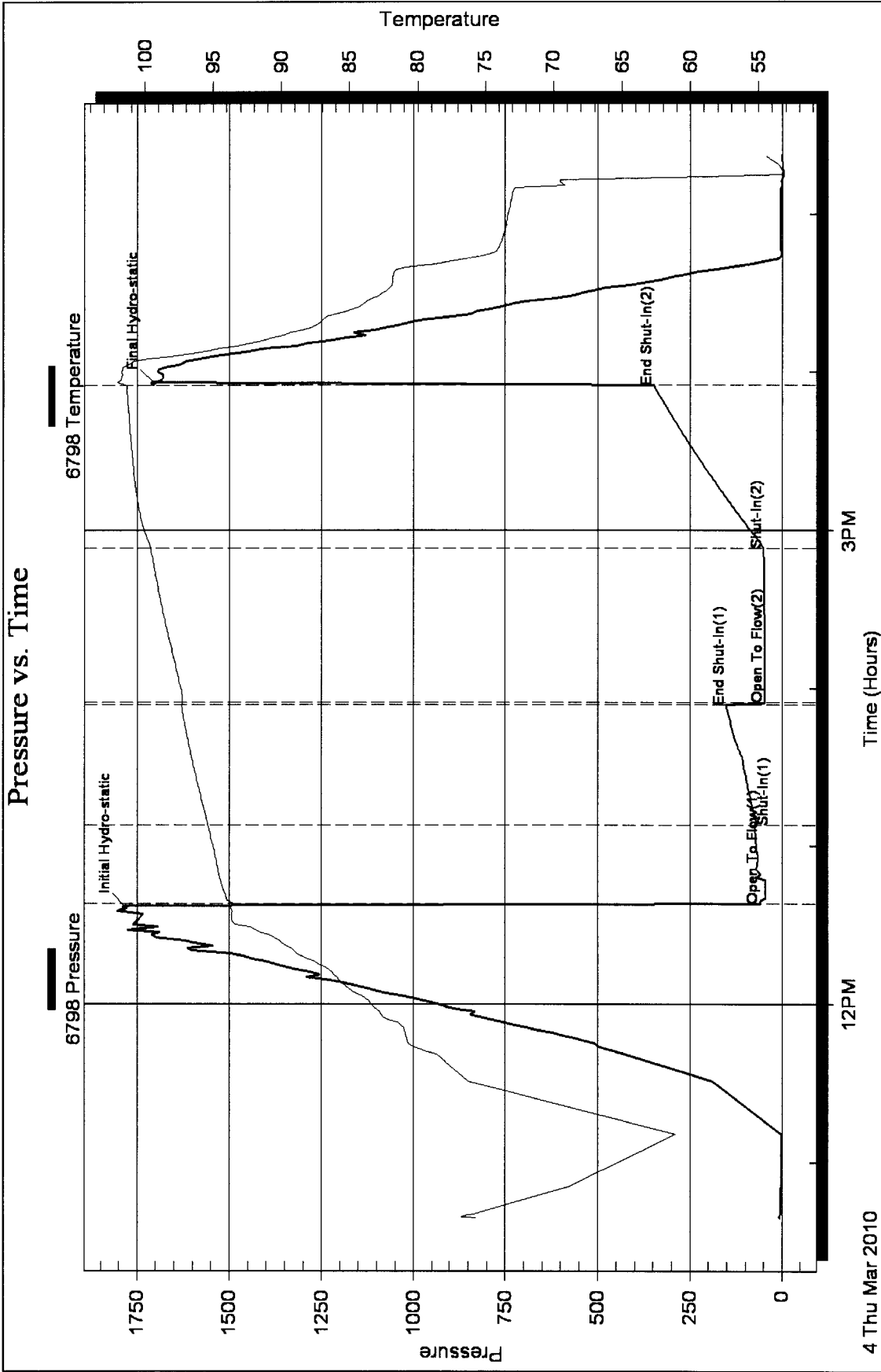
Length ft	Description	Volume bbl
70.00	Drilling Mud w oil specs	0.982

Total Length: 70.00 ft Total Volume: 0.982 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none

Laboratory Name: Laboratory Location:

Recovery Comments:



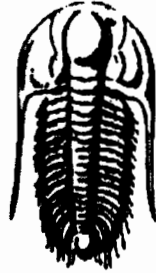
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Ref. No: 35683

Printed: 2010.03.17 @ 14:14:34 Page 5

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CONSERVATION DIVISION
WICHITA, KS



**TRILOBITE
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DRILL STEM TEST REPORT

Prepared For: **Hutchinson Oil Co**

P.O.Box 521
Derby, KS 67037

ATTN: Jeff Burk

21 22 11 Stafford KS

Sleeper # 21-1

Start Date: 2010.03.05 @ 05:25:13

End Date: 2010.03.05 @ 13:01:43

Job Ticket #: 35684 DST #: 4

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WICHITA, KS

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Hutchinson Oil Co

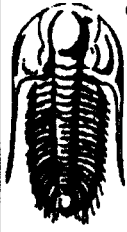
Sleeper # 21-1

21 22 11 Stafford KS

DST # 4

Atbuckle

2010.03.05



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DRILL STEM TEST REPORT

Hutchinson Oil Co
P.O.Box 521
Derby, KS 67037
ATTN: Jeff Burk

Sleeper # 21-1
21 22 11 Stafford KS
Job Ticket: 35684 **DST#: 4**
Test Start: 2010.03.05 @ 05:25:13

GENERAL INFORMATION:

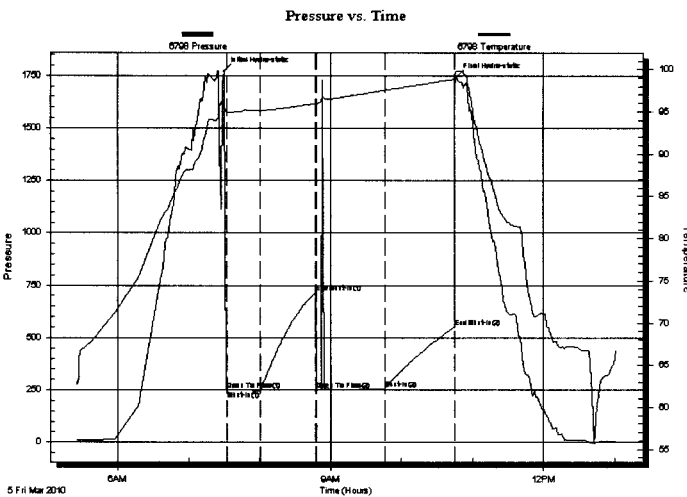
Formation: **Arbuckle**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 07:32:13
Time Test Ended: 13:01:43
Interval: **3584.00 ft (KB) To 3625.00 ft (KB) (TVD)**
Total Depth: 3625.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole
Tester: Jerry Adams
Unit No: 45
Reference Elevations: 1827.00 ft (KB)
1819.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6798

Inside

Press@RunDepth: 253.03 psig @ 3590.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2010.03.05 End Date: 2010.03.05 Last Calib.: 2010.03.05
Start Time: 05:25:14 End Time: 13:01:43 Time On Btm: 2010.03.05 @ 07:30:13
Time Off Btm: 2010.03.05 @ 10:46:13

TEST COMMENT: IF: Tool slid 5' w/ no packer seat. Picked up and filled hole. Reset packers. Weak blow. Built to 1/2".
IS: No blow.
FF: No blow. Flushed tool. Weak blow. Built to 3".
FSI: No blow.



PRESSURE SUMMARY

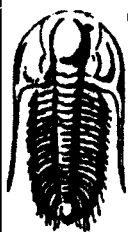
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1771.58	95.56	Initial Hydro-static
2	251.42	94.84	Open To Flow (1)
31	247.38	95.08	Shut-In(1)
77	714.35	95.96	End Shut-In(1)
78	252.04	95.82	Open To Flow (2)
136	253.03	97.55	Shut-In(2)
195	550.93	98.87	End Shut-In(2)
196	1746.02	99.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
155.00	SGCM w/ oil specs 10%g 90%m	2.17
310.00	G&OCM 18%g 4%o 78%m	4.35

Gas Rates

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



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TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Hutchinson Oil Co

Sleeper # 21-1

P.O.Box 521
Derby, KS 67037

21 22 11 Stafford KS

Job Ticket: 35684 **DST#: 4**

ATTN: Jeff Burk

Test Start: 2010.03.05 @ 05:25:13

Tool Information

Drill Pipe:	Length: 3581.00 ft	Diameter: 3.80 inches	Volume: 50.23 bbl	Tool Weight: 2300.00 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: 50.23 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 41000.00 lb
Depth to Top Packer:	3584.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	41.00 ft			
Tool Length:	61.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3569.00	
Hydraulic tool	5.00			3574.00	
Packer	5.00			3579.00	20.00 Bottom Of Top Packer
Packer	5.00			3584.00	
Stubb	1.00			3585.00	
Perforations	5.00			3590.00	
Recorder	0.00	6798	Inside	3590.00	
Recorder	0.00	8367	Inside	3590.00	
Perforations	32.00			3622.00	
Bullnose	3.00			3625.00	41.00 Bottom Packers & Anchor
Total Tool Length:	61.00				

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 WICHITA, KS



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Sleeper # 21-1

P.O.Box 521
Derby, KS 67037

21 22 11 Stafford KS

Job Ticket: 35684

DST#: 4

ATTN: Jeff Burk

Test Start: 2010.03.05 @ 05:25:13

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil APt:	deg API
Mud Weight: 8.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 14.75 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 16800.00 ppm			
Filter Cake: 0.21 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
155.00	SGCM w/ oil specs 10%g 90%m	2.174
310.00	G&OCM 18%g 4%o 78%m	4.348

Total Length: 465.00 ft Total Volume: 6.522 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6798

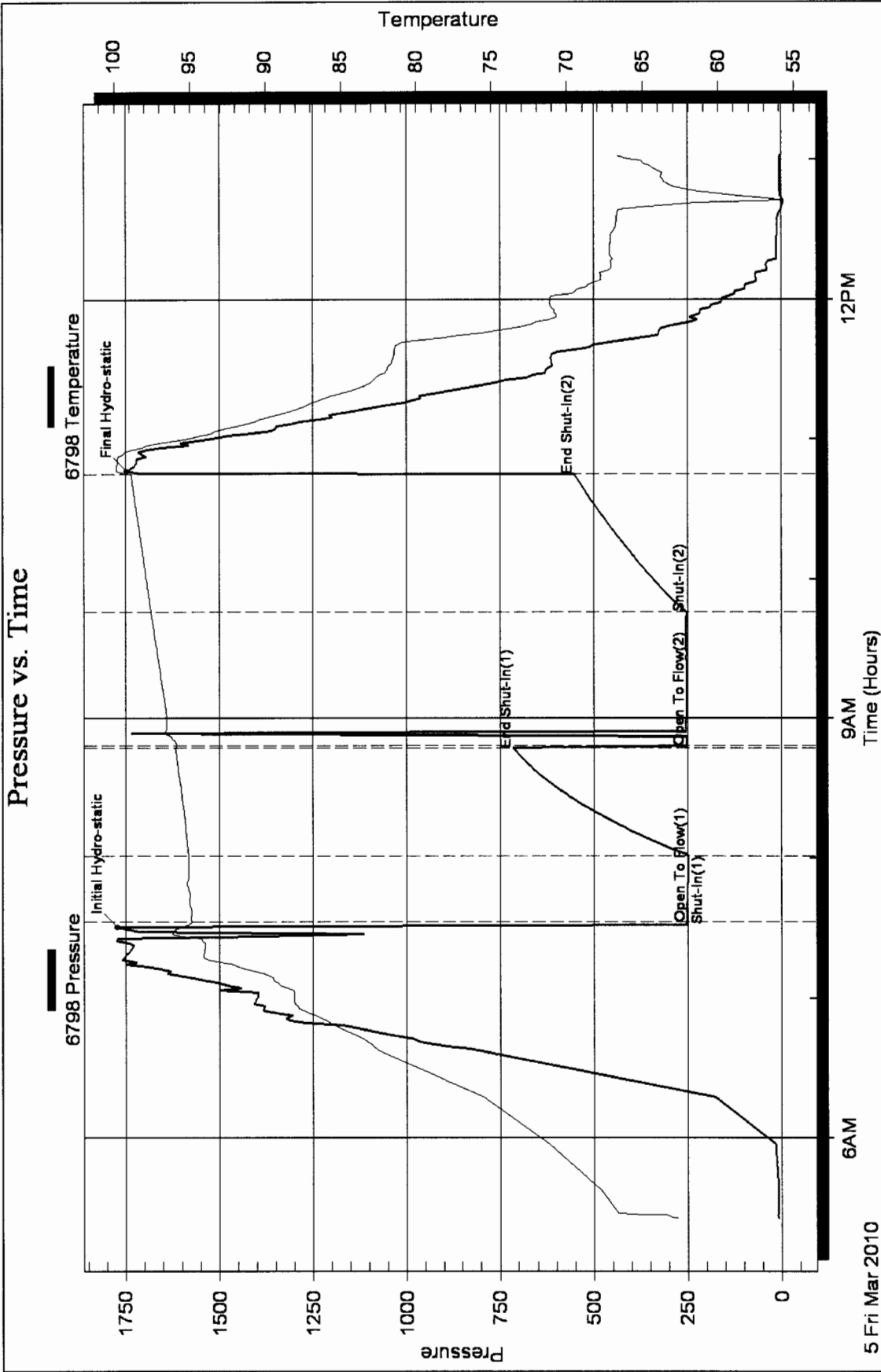
Inside

Hutchinson Oil Co

21 22 11 Stafford KS

DST Test Number: 4

Pressure vs. Time



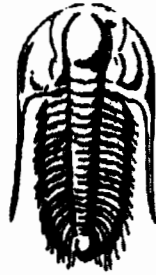
Trilobite Testing, Inc

Ref. No: 35684

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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Hutchinson Oil Co**

P.O.Box 521
Derby, KS 67037

ATTN: Jeff Burk

21 22 11 Stafford KS

Sleeper # 21-1

Start Date: 2010.03.05 @ 23:01:57

End Date: 2010.03.06 @ 05:46:27

Job Ticket #: 35685 DST #: 5

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Hutchinson Oil Co

Sleeper # 21-1

21 22 11 Stafford KS

DST # 5

Arbuckle

2010.03.05

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Hutchinson Oil Co
P.O.Box 521
Derby, KS 67037
ATTN: Jeff Burk

Sleeper # 21-1
21 22 11 Stafford KS
Job Ticket: 35685 DST#: 5
Test Start: 2010.03.05 @ 23:01:57

GENERAL INFORMATION:

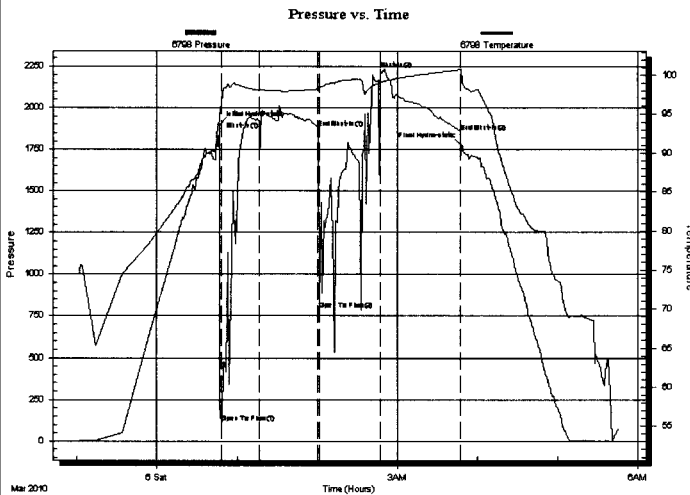
Formation: **Arbuckle**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 00:47:57
Time Test Ended: 05:46:27
Interval: **3623.00 ft (KB) To 3630.00 ft (KB) (TVD)**
Total Depth: **3630.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: Fair
Test Type: **Conventional Bottom Hole**
Tester: **Jerry Adams**
Unit No: **45**
Reference Elevations: **1827.00 ft (KB)**
1819.00 ft (CF)
KB to GR/CF: **8.00 ft**

Serial #: 6798

Inside

Press@RunDepth: **2233.82 psig @ 3624.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2010.03.05** End Date: **2010.03.06** Last Calib.: **2010.03.06**
Start Time: **23:01:58** End Time: **05:46:27** Time On Btm: **2010.03.06 @ 00:46:27**
Time Off Btm: **2010.03.06 @ 03:48:57**

TEST COMMENT: IF:Weak blow . Steady at 1 1/2".
IS:No blow .
FF:No blow . Flushed tool. No blow .
FSI:No blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1899.28	94.17	Initial Hydro-static
2	109.27	96.25	Open To Flow (1)
30	1922.07	98.08	Shut-In(1)
74	1881.73	98.25	End Shut-In(1)
75	786.95	97.75	Open To Flow (2)
121	2233.82	99.07	Shut-In(2)
181	1858.25	100.73	End Shut-In(2)
183	1766.59	99.12	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
28.00	Very thick mud and cuttings 100%m	0.39

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Hutchinson Oil Co

Sleeper # 21-1

P.O.Box 521
Derby, KS 67037

21 22 11 Stafford KS

Job Ticket: 35685 **DST#: 5**

ATTN: Jeff Burk

Test Start: 2010.03.05 @ 23:01:57

Tool Information

Drill Pipe:	Length: 3613.00 ft	Diameter: 3.80 inches	Volume: 50.68 bbl	Tool Weight:	2000.00 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: 50.68 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial	45000.00 lb
Depth to Top Packer:	3623.00 ft			Final	45000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	7.00 ft				
Tool Length:	27.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Spotted tank of weight mud on bottom. Tool slid 8' to bottom.

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3608.00	
Hydraulic tool	5.00			3613.00	
Packer	5.00			3618.00	20.00 Bottom Of Top Packer
Packer	5.00			3623.00	
Stubb	1.00			3624.00	
Recorder	0.00	6798	Inside	3624.00	
Recorder	0.00	8367	Inside	3624.00	
Perforations	3.00			3627.00	
Bullnose	3.00			3630.00	7.00 Bottom Packers & Anchor
Total Tool Length:	27.00				

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WICHITA, KS



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Hutchinson Oil Co
P.O.Box 521
Derby, KS 67037
ATTN: Jeff Burk

Sleeper # 21-1
21 22 11 Stafford KS
Job Ticket: 35685 **DST#: 5**
Test Start: 2010.03.05 @ 23:01:57

Mud and Cushion Information

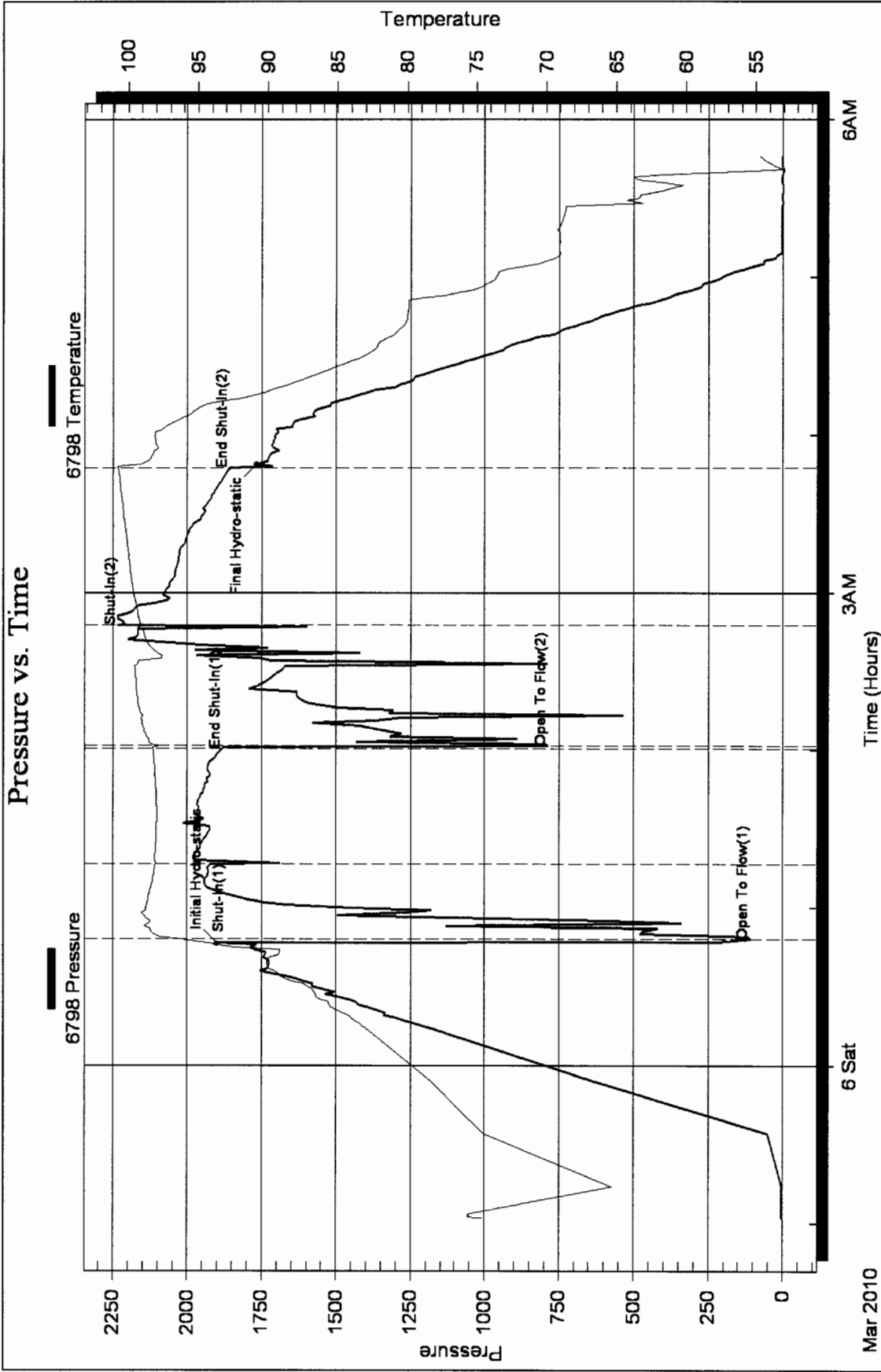
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 8.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 45.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.17 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 17800.00 ppm			
Filter Cake: 0.21 inches			

Recovery Information

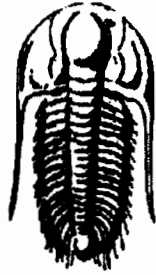
Recovery Table

Length ft	Description	Volume bbl
28.00	Very thick mud and cuttings 100%m	0.393

Total Length: 28.00 ft Total Volume: 0.393 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: **Hutchinson Oil Co**

P.O.Box 521
Derby, KS 67037

ATTN: Jeff Burk

21 22 11 Stafford KS

Sleeper # 21-1

Start Date: 2010.03.06 @ 20:35:38

End Date: 2010.03.07 @ 00:16:33

Job Ticket #: 38204 DST #: 6

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WICHITA, KS

Hutchinson Oil Co

Sleeper # 21-1

21 22 11 Stafford KS

DST # 6

Arbuckle

2010.03.06

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Hutchinson Oil Co
P.O.Box 521
Derby, KS 67037
ATTN: Jeff Burk

Sleeper # 21-1
21 22 11 Stafford KS
Job Ticket: 38204 **DST#: 6**
Test Start: 2010.03.06 @ 20:35:38

GENERAL INFORMATION:

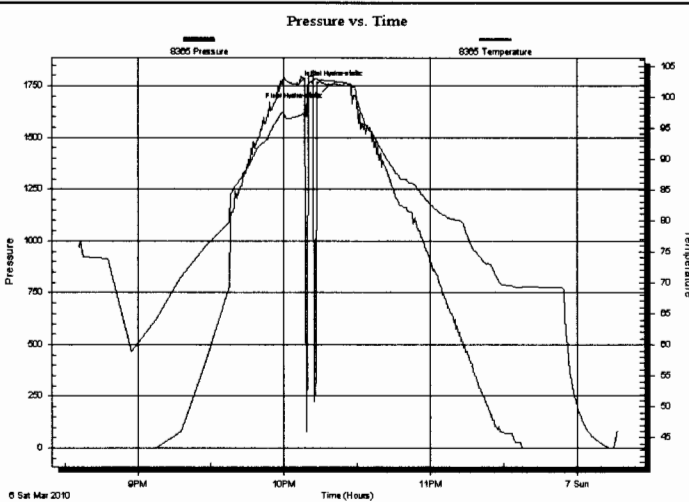
Formation: **Arbuckle**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 22:10:00
Time Test Ended: 00:16:33
Interval: **3619.00 ft (KB) To 3637.00 ft (KB) (TVD)**
Total Depth: 3696.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor
Reference Elevations: 1827.00 ft (KB)
1819.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8365

Inside

Press@RunDepth: psig @ 3625.01 ft (KB) Capacity: 8000.00 psig
Start Date: 2010.03.06 End Date: 2010.03.07 Last Calib.: 2010.03.07
Start Time: 20:35:38 End Time: 00:16:33 Time On Btm: 2010.03.06 @ 22:05:33
Time Off Btm: 2010.03.06 @ 22:18:33

TEST COMMENT: IFP-packers did not hold



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1757.39	96.86	Initial Hydro-static
13	1755.21	102.60	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	mud w/show of oil	0.42
120.00	Mud	1.68

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Hutchinson Oil Co

Sleeper # 21-1

P.O.Box 521
Derby, KS 67037

21 22 11 Stafford KS

ATTN: Jeff Burk

Job Ticket: 38204 **DST#: 6**
Test Start: 2010.03.06 @ 20:35:38

Tool Information

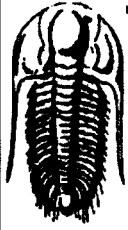
Drill Pipe:	Length: 3602.00 ft	Diameter: 3.80 inches	Volume: 50.53 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			Total Volume: 50.53 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3619.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	3637.02 ft			
Interval between Packers:	18.02 ft			
Tool Length:	110.03 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			3591.00	
Shut In Tool	5.00			3596.00	
Hydraulic tool	5.00			3601.00	
Jars	5.00			3606.00	
Safety Joint	3.00			3609.00	
Packer	5.00			3614.00	29.00 Bottom Of Top Packer
Packer	5.00			3619.00	
Stubb	1.00			3620.00	
Perforations	5.00			3625.00	
Recorder	0.01	8365	Inside	3625.01	
Recorder	0.01	6625	Outside	3625.02	
Perforations	8.00			3633.02	
Blank Off Sub	1.00			3634.02	
Blank Spacing	3.00			3637.02	18.02 Tool Interval
Packer	5.00			3642.02	
Stubb	1.00			3643.02	
Perforations	21.00			3664.02	
Recorder	0.01	8652	Below	3664.03	
Blank Spacing	33.00			3697.03	
Bullnose	3.00			3700.03	63.01 Bottom Packers & Anchor

Total Tool Length: 110.03

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WICHITA, KS



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Hutchinson Oil Co

Sleeper # 21-1

P.O.Box 521
Derby, KS 67037

21 22 11 Stafford KS

Job Ticket: 38204

DST#: 6

ATTN: Jeff Burk

Test Start: 2010.03.06 @ 20:35:38

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:	ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.15 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 19500.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	mud w/show of oil	0.421
120.00	Mud	1.683

Total Length: 150.00 ft Total Volume: 2.104 bbl

Num Fluid Samples: 0

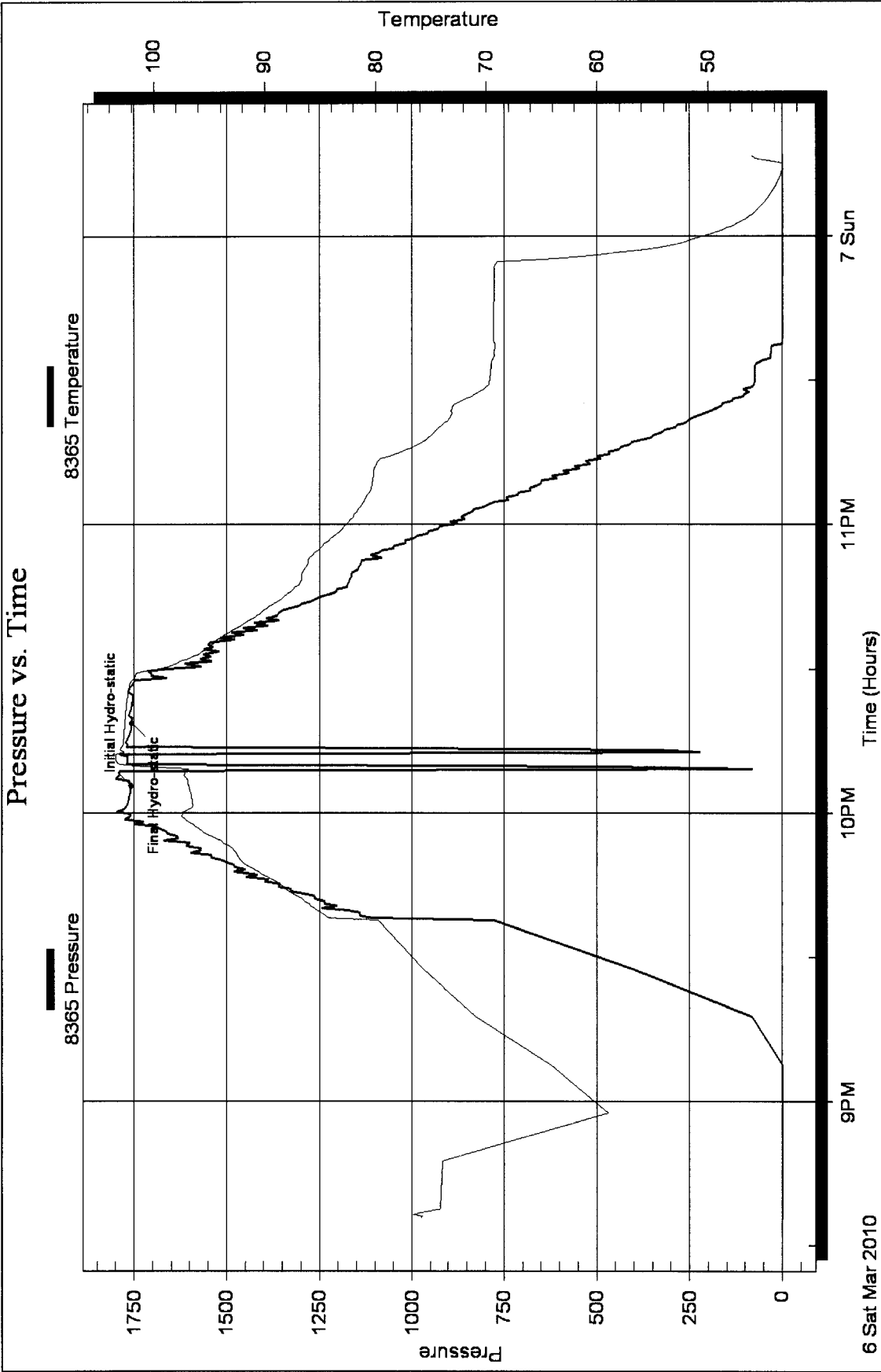
Num Gas Bombs: 0

Serial #:

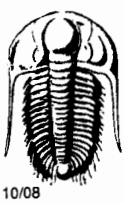
Laboratory Name:

Laboratory Location:

Recovery Comments:



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P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 35681 / 13984

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MAR 08 2010

Well Name & No. Sleeper #21-1 BY: _____ Test No. 1 Date 3-2-10
 Company Hutchinson Oil Elevation 1827 KB 1819 GL _____
 Address P.O. Box 521 Derby, Kansas 67037
 Co. Rep / Geo. Jeff Burk Rig Maverick #102
 Location: Sec. 21 Twp. 22S Rge. 11W Co. Stafford State Ks.

Interval Tested 3270-3325 Zone Tested Lansing "B-F"
 Anchor Length 55' Drill Pipe Run 3270' Mud Wt. 8.5
 Top Packer Depth 3265 Drill Collars Run 0 Vis 65
 Bottom Packer Depth 3270 Wt. Pipe Run 0 WL 12.2
 Total Depth 3325 Chlorides 12,000 ppm System LCM 0
 Blow Description IF: Fair blow. Built to 8"
FSI: No blow.
FF: Fair blow. Built to 7"
FSI: No blow.

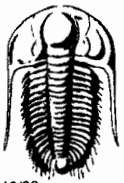
Rec	Feet of	%gas	%oil	%water	%mud
<u>40</u>	<u>VSGCM w/oil scum</u>	<u>2</u>			<u>98</u>
<u>0</u>	<u>30' GIP</u>				

Rec Total 40 BHT 98 Gravity N/C API RW N/A @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1656 Test 1050' T-On Location 1830
 (B) First Initial Flow 27 Jars _____ T-Started 1905
 (C) First Final Flow 29 Safety Joint _____ T-Open 2051
 (D) Initial Shut-In 163 Circ Sub _____ T-Pulled 2406
 (E) Second Initial Flow 31 Hourly Standby _____ T-Out 0208
 (F) Second Final Flow 38 Mileage 81 R.T. Comments _____
 (G) Final Shut-In 284 Sampler _____
 (H) Final Hydrostatic 1587 Straddle _____

Initial Open 30 Shale Packer _____ Ruined Shale Packer _____
 Initial Shut-In 45 Extra Packer _____ Ruined Packer _____
 Final Flow 60 Extra Recorder _____ Extra Copies _____
 Final Shut-In 60 Day Standby _____ Sub Total 0
 Accessibility _____ Total 1131'
 Sub Total 1131'

Approved By _____ Our Representative Jerry Adams Thank You
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



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P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
MAR 08 2010
BY: _____

Test Ticket

NO. 35682

Well Name & No. Sleeper # 21-1 Test No. 2 Date 3-3-10
 Company Hutchinson Oil Elevation 1827 KB 1819 GL
 Address P.O. Box 521 Derby, Kansas 67037
 Co. Rep / Geo. Jeff Burk Rig Maverick # 102
 Location: Sec. 21 Twp. 22s Rge. 11w Co. Stafford State Kns.

Interval Tested 3375-3455 Zone Tested Lansing "H-K"
 Anchor Length 80' Drill Pipe Run 3364' Mud Wt. 8.6
 Top Packer Depth 3370 Drill Collars Run 0 Vis 55
 Bottom Packer Depth 3375 Wt. Pipe Run 0 WL 14.4
 Total Depth 3455 Chlorides 14,000 ppm System LCM 0

Blow Description IF! Fair blow. B.O.B. in 19 mins.
ISI? No blow.
FF! Fair blow. B.O.B. in 20 mins.
FSI! Very weak surface blow.

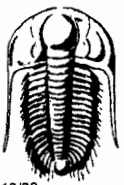
Rec	Feet of	%gas	%oil	%water	%mud
<u>68</u>	<u>OCGsym</u>	<u>40%</u>	<u>10%</u>	<u>50%</u>	<u>0%</u>
<u>62</u>	<u>SG+OCM</u>	<u>10%</u>	<u>5%</u>	<u>85%</u>	<u>0%</u>
<u>0</u>	<u>150' GIP</u>	<u>0%</u>	<u>0%</u>	<u>0%</u>	<u>0%</u>
____	____	<u>0%</u>	<u>0%</u>	<u>0%</u>	<u>0%</u>
____	____	<u>0%</u>	<u>0%</u>	<u>0%</u>	<u>0%</u>

Rec Total 130 BHT 99 Gravity N/C API RW N/A @ —° F Chlorides — ppm

(A) Initial Hydrostatic 1679 Test 1000 T-On Location 1530
 (B) First Initial Flow 27 Jars _____ T-Started 1559
 (C) First Final Flow 45 Safety Joint _____ T-Open 1733
 (D) Initial Shut-In 856 Circ Sub _____ T-Pulled 2050
 (E) Second Initial Flow 49 Hourly Standby _____ T-Out 2235
 (F) Second Final Flow 81 Mileage 81 R.T. Comments _____
 (G) Final Shut-In 837 Sampler _____
 (H) Final Hydrostatic 1612 Straddle _____

Initial Open 30 Shale Packer _____ Ruined Shale Packer _____
 Initial Shut-In 45 Extra Packer _____ Ruined Packer _____
 Final Flow 60 Extra Recorder _____ Extra Copies _____
 Final Shut-In 60 Day Standby _____ Sub Total 0
 Accessibility _____ Total 1131
 Sub Total 1131

Approved By _____ Our Representative Jerry Adams Thank You.
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



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Test Ticket

NO. 35683

10/08

BY: _____

Well Name & No. Sleeper # 21-1 Test No. 3 Date 3-4-10
 Company Hutchinson Oil Elevation 1827 KB 1819 GL
 Address P.O. Box 521 Derby, Kansas 67037
 Co. Rep / Geo. Jeff Burk Rig Maverick # 102
 Location: Sec. 21 Twp. 22S Rge. NW Co. Stafford State Ks.

Interval Tested 3532-3584 Zone Tested Viola/Simpson
 Anchor Length 52 Drill Pipe Run 3519 Mud Wt. 9.0
 Top Packer Depth 3527 Drill Collars Run 0 Vis 49
 Bottom Packer Depth 3532 Wt. Pipe Run 0 WL 14.8
 Total Depth 3584 Chlorides 16,800 ppm System LCM 0

Blow Description IF: Strong blow. B.O.B. in 3 1/2 mins.
IST: Weak blow. Built to 5."
FF: Strong blow. B.O.B. in 3 mins.
FST: No blow.

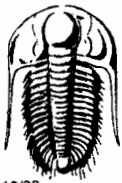
Rec	Feet of	%gas	%oil	%water	%mud
<u>70</u>	<u>Drilling mud w/oil specs.</u>				<u>100</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 70 BHT 101 Gravity NIC API RW N/A @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic 1782 Test 1050 T-On Location 1015
 (B) First Initial Flow 59 Jars _____ T-Started 1038
 (C) First Final Flow 75 Safety Joint _____ T-Open 1238
 (D) Initial Shut-In 151 Circ Sub _____ T-Pulled 1555
 (E) Second Initial Flow 46 Hourly Standby _____ T-Out 1722
 (F) Second Final Flow 50 Mileage 81 R.T. Comments _____
 (G) Final Shut-In 347 Sampler _____
 (H) Final Hydrostatic 1706 Straddle _____

Initial Open 30 Shale Packer _____ Ruined Shale Packer _____
 Initial Shut-In 45 Extra Packer _____ Ruined Packer _____
 Final Flow 60 Extra Recorder _____ Extra Copies _____
 Final Shut-In 60 Day Standby _____ Sub Total 8
 Accessibility _____ Total 1131
 Sub Total 1131

Approved By _____ Our Representative Jerry Adams Thank You.
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



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MAR 08 2010

Test Ticket

NO. 35684

10/08

BY: _____

Well Name & No. Sleeper # 21-1 Test No. 14 Date 3-5-10
 Company Hutchinson Oil Elevation 1827 KB 1819 GL _____
 Address P.O. Box 521 Derby, Kansas 67037
 Co. Rep / Geo. Jeff Burk Rig Maverick #102
 Location: Sec. 21 Twp. 22S Rge. 11W Co. Stafford State K.S.

Interval Tested 3584-3625 Zone Tested Arbuckle
 Anchor Length 41' Drill Pipe Run 3581 Mud Wt. 8.4
 Top Packer Depth 3579 Drill Collars Run 0 Vis 51
 Bottom Packer Depth 3584 Wt. Pipe Run 0 WL 14.8
 Total Depth 3625 Chlorides 16,800 ppm System LCM 0

Blow Description IF: Tool slid 5' with no packer seat. Picked up a filled hole. Reset packers. Weak blow. Built to 1/2" ISI: No blow. FF: No blow. Flushed tool. Weak blow. Built to 3."

FST:

Rec	Feet of	%gas	%oil	%water	%mud
<u>155</u>	<u>SGemw/oil specs</u>	<u>10</u>		<u>90</u>	
<u>310</u>	<u>G+Ocm</u>	<u>18</u>	<u>4</u>		<u>78</u>
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____

Rec Total 465 BHT 98 Gravity N/C API RW N/A @ _____ °F Chlorides _____ ppm

- (A) Initial Hydrostatic 1772
- (B) First Initial Flow 251
- (C) First Final Flow 247
- (D) Initial Shut-In 714
- (E) Second Initial Flow 252
- (F) Second Final Flow 253
- (G) Final Shut-In 551
- (H) Final Hydrostatic 1746

- Test 1050
- Jars _____
- Safety Joint _____
- Circ Sub _____
- Hourly Standby _____
- Mileage 81 R.T.
- Sampler _____
- Straddle _____
- Shale Packer _____
- Extra Packer _____
- Extra Recorder _____
- Day Standby _____
- Accessibility _____

T-On Location 0500
 T-Started 0525
 T-Open 0732
 T-Pulled 1045
 T-Out 1301

Comments _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 0
 Total 131

Initial Open 30
 Initial Shut-In 45
 Final Flow 60
 Final Shut-In 60

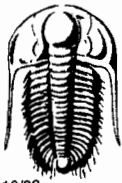
Sub Total 1131

Approved By [Signature]

Our Representative Garry Adams

Thank You.

TriLOBITE Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
MAR 08 2010

Test Ticket

NO. 35685

10/08

BY: _____

Well Name & No. Sleeper #21-1 Test No. 5 Date 3-5-10
 Company Hutchinson Oil Elevation 1827 KB 1819 GL _____
 Address P.O. Box 521 Derby, Kansas 67037
 Co. Rep / Geo. Jeff Buck Rig Maverick #102
 Location: Sec. 21 Twp. 22S Rge. 4W Co. Stafford State Ks.

Interval Tested 3623-3630 Zone Tested Arbuckle
 Anchor Length 7' Drill Pipe Run 3613 Mud Wt. 8.5
 Top Packer Depth 3618 Drill Collars Run 0 Vis 45
 Bottom Packer Depth 3623 Wt. Pipe Run 0 WL 11.2
 Total Depth 3630 Chlorides 17,800 ppm System LCM 0
 Blow Description IF: Weak blow. Steady at 1 1/2"
ISI: No blow.
FF: No blow. Flushed tool. No blow.
FSI: No blow.

Rec	Feet of	%gas	%oil	%water	%mud
<u>28</u>	<u>Very thick mud and cuttings</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 28 BHT 100 Gravity N/A API RW N/A @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1899</u>	<input checked="" type="checkbox"/> Test <u>8500</u>	T-On Location <u>2230</u>
(B) First Initial Flow <u>109</u>	<input type="checkbox"/> Jars _____	T-Started <u>2301</u>
(C) First Final Flow <u>1922</u>	<input type="checkbox"/> Safety Joint _____	T-Open <u>2447</u>
(D) Initial Shut-In <u>1882</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>0348</u>
(E) Second Initial Flow <u>787</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>0546</u>
(F) Second Final Flow <u>2234</u>	<input checked="" type="checkbox"/> Mileage <u>81 R.T.</u>	Comments <u>Spotted tank</u>
(G) Final Shut-In <u>1858</u>	<input type="checkbox"/> Sampler _____	<u>of weight mud on</u>
(H) Final Hydrostatic <u>1767</u>	<input type="checkbox"/> Straddle _____	<u>bottom. Slid tool</u>
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<u>8' to bottom.</u>
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Ruined Shale Packer _____
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder _____	<input type="checkbox"/> Ruined Packer _____
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby _____	<input type="checkbox"/> Extra Copies _____
	<input type="checkbox"/> Accessibility _____	Sub Total <u>0</u>
	Sub Total <u>931</u>	Total <u>931</u>

Approved By [Signature] Our Representative Gerry Adams
 Trilobite Testing Inc. shall not be liable for damages of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED Test Ticket
MAR 08 2010 No. 38204 ✓

Well Name & No. Sleeper #21-1 BY: Test No. 6 Date 3-6-10
 Company Hutchinson Oil Co Elevation 1828 KB 1820 GL
 Address P.O. Box 521 Derby, Ks 67037-0521
 Co. Rep / Geo. Jeff Burd Rig MA
 Location: Sec. 21 Twp. 22^s Rge. 11^w Co. Stafford State Ks

Interval Tested 3619-3637 Zone Tested Arbuckle
 Anchor Length 18 Drill Pipe Run 3602 Mud Wt. 8.6
 Top Packer Depth 3619-3614 Drill Collars Run - Vis 48
 Bottom Packer Depth 3637 Wt. Pipe Run - WL 11.2
 Total Depth 3696 Chlorides 19500 ppm System LCM 1/2#
 Blow Description IFP - packers did not hold

Rec	Feet of	%gas	%oil	%water	%mud
30	SOCM		1		99
120	Mud				

Rec Total 150 BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1757 Test 950 T-On Location 1830
 (B) First Initial Flow - Jars 250 T-Started 2035
 (C) First Final Flow - Safety Joint 75 T-Open 2210
 (D) Initial Shut-In - Circ Sub _____ T-Pulled 2220
 (E) Second Initial Flow - Hourly Standby _____ T-Out 0016
 (F) Second Final Flow - Mileage 114 Comments _____
 (G) Final Shut-In - Sampler _____
 (H) Final Hydrostatic 1757 Straddle 600

Shale Packer _____ Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____
 Day Standby _____ Sub Total 0
 Accessibility _____ Total 1757 - 1775
 Sub Total 1757 - 1775

Approved By [Signature] Our Representative RAY SCHWAGER Thank you

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