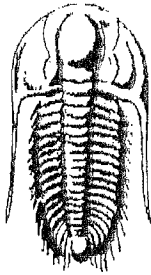


35-13s-21w



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **K & B Norton Oil & Invest LLC**

510 W 36th St
Hays KS 67601+1508

ATTN: Ken Norton

35 13S 21W Trego KS

Pfannenstiel # 5

Start Date: 2008.05.04 @ 05:19:28

End Date: 2008.05.04 @ 11:26:58

Job Ticket #: 30390 DST #: 1

15-195-22539

SE NW NE SW

2270 FSL 1860 FWL

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

K & B Norton Oil & Invest LLC

Pfannenstiel # 5

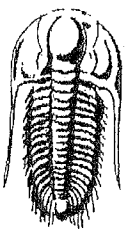
35 13S 21W Trego KS

DST # 1

L.Kc.-A-C

2008.05.04

SE NW NE SW



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

K & B Norton Oil & Invest LLC

Pfannenstiel # 5

510 W 36th St
Hays KS 67601+1508

35 13S 21W Trego KS

Job Ticket: 30390

DST#: 1

ATTN: Ken Norton

Test Start: 2008.05.04 @ 05:19:28

GENERAL INFORMATION:

Formation: **L.Kc.-A-C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:22:28

Time Test Ended: 11:26:58

Test Type: Conventional Bottom Hole

Tester: John Schmidt

Unit No: 31

Interval: **3661.00 ft (KB) To 3715.00 ft (KB) (TVD)**

Total Depth: 3715.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2343.00 ft (KB)

2338.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8369

Inside

Press@RunDepth: 57.09 psig @ 3665.00 ft (KB)

Start Date: 2008.05.04

End Date:

2008.05.04

Capacity: 7000.00 psig

Start Time: 05:19:33

End Time:

11:26:57

Last Calib.: 2008.05.04

Time On Btm: 2008.05.04 @ 07:21:58

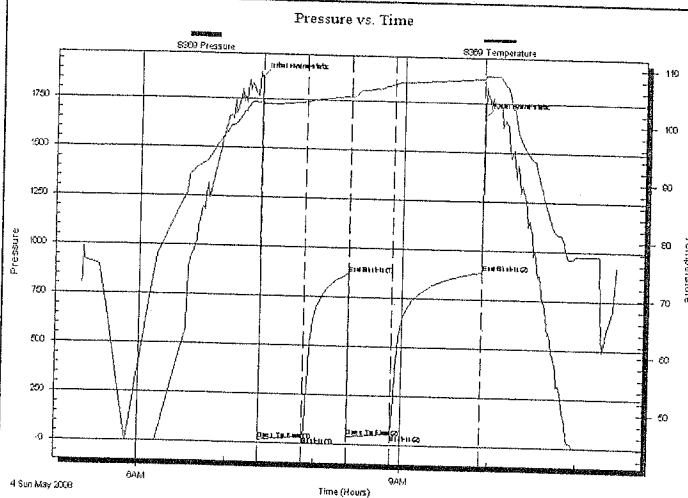
Time Off Btm: 2008.05.04 @ 09:55:28

TEST COMMENT: IF Weak built 2.5 "

ISI Dead

FF Weak Surface

FSI Dead



PRESSURE SUMMARY

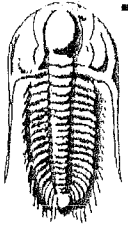
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1862.36	103.69	Initial Hydro-static
1	14.92	103.18	Open To Flow (1)
31	37.72	103.55	Shut-In(1)
60	869.25	104.68	End Shut-In(1)
61	39.60	104.52	Open To Flow (2)
91	57.09	106.98	Shut-In(2)
153	890.91	108.16	End Shut-In(2)
154	1681.59	108.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	DM	0.32

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

K & B Norton Oil & Invest LLC

Pfannenstiel # 5

510 W 36th St
Hays KS 67601+1508

35 13S 21W Trego KS

Job Ticket: 30390

DST#: 1

ATTN: Ken Norton

Test Start: 2008.05.04 @ 05:19:28

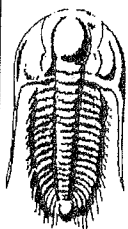
Tool Information

Drill Pipe:	Length: 3544.00 ft	Diameter: 3.80 inches	Volume: 49.71 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 40000.00 lb
			<u>Total Volume: 50.30 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3661.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	54.00 ft			
Tool Length:	74.00 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			3642.00	
Shut In Tool	5.00			3647.00	
Hydraulic tool	5.00			3652.00	
Packer	4.00			3656.00	20.00 Bottom Of Top Packer
Packer	5.00			3661.00	
Stubb	1.00			3662.00	
Perforations	2.00			3664.00	
Change Over Sub	1.00			3665.00	
Recorder	0.00	8369	Inside	3665.00	
Recorder	0.00	6669	Outside	3665.00	
Blank Spacing	31.00			3696.00	
Change Over Sub	1.00			3697.00	
Perforations	15.00			3712.00	
Bullnose	3.00			3715.00	54.00 Bottom Packers & Anchor

Total Tool Length: 74.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

K & B Norton Oil & Invest LLC

Pfannenstiel # 5

510 W 36th St
Hays KS 67601+1508

35 13S 21W Trego KS

Job Ticket: 30390

DST#: 1

ATTN: Ken Norton

Test Start: 2008.05.04 @ 05:19:28

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 58.00 sec/qt

Water Loss: 9.58 in³

Resistivity: ohm.m

Salinity: ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	DM	0.320

Total Length: 65.00 ft

Total Volume: 0.320 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 1

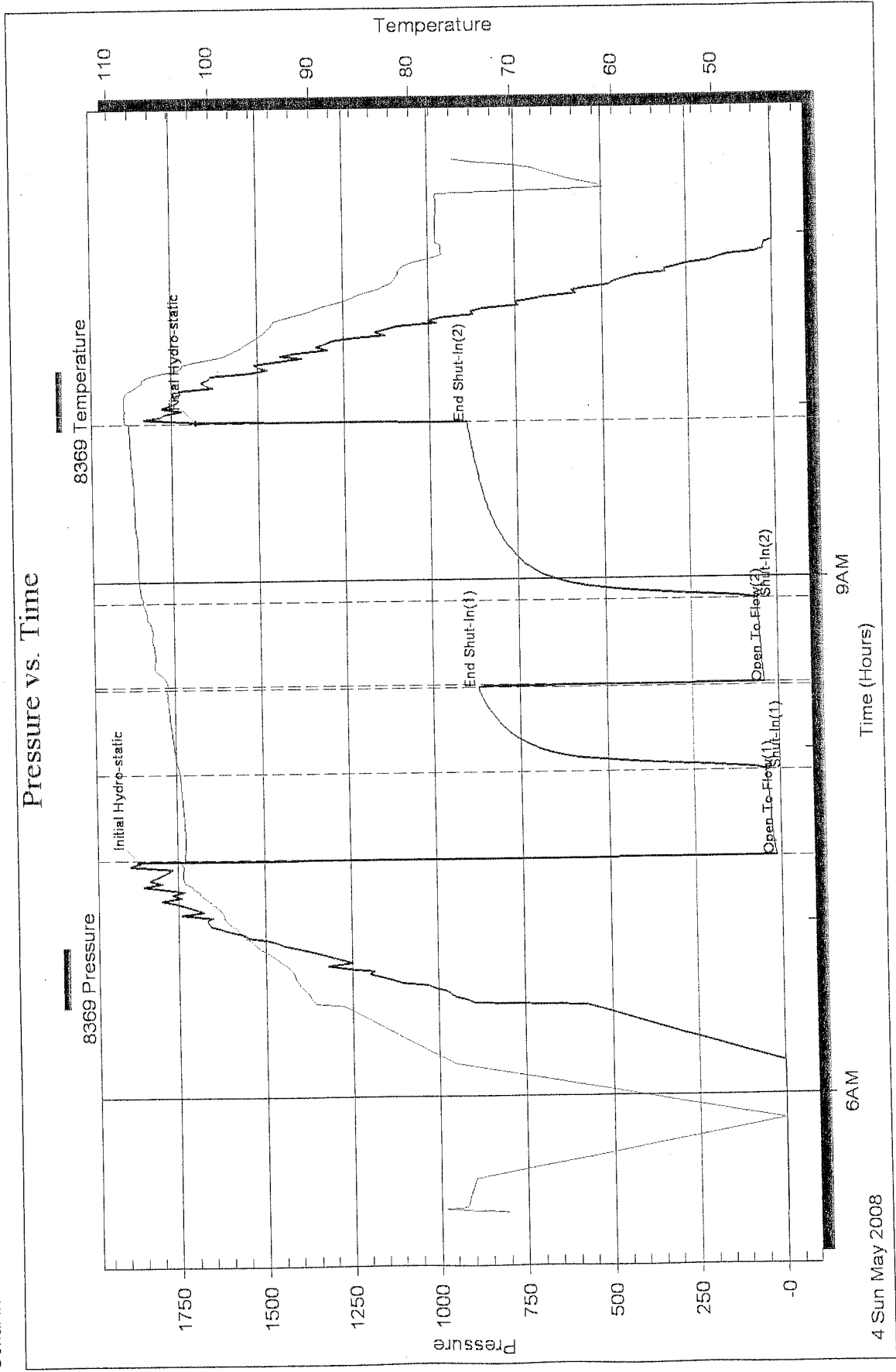
35 13S 21W Trego KS

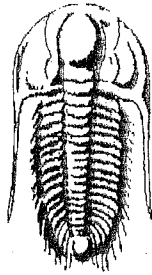
K & B Norton Oil & Invest LLC

Inside

Serial #: 8369

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **K & B Norton Oil & Invest LLC**

510 W 36th St
Hays KS 67601+1508

ATTN: Ken Norton

35 13S 21W Trego KS

Pfannenstiel # 5

Start Date: 2008.05.05 @ 16:24:44

End Date: 2008.05.05 @ 21:23:14

Job Ticket #: 30391 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

K & B Norton Oil & Invest LLC

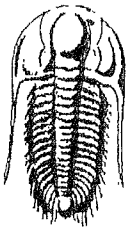
Pfannenstiel # 5

35 13S 21W Trego KS

DST # 2

Marmaton

2008.05.05



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

K & B Norton Oil & Invest LLC

Pfannenstiel # 5

510 W 36th St
Hays KS 67601+1508

35 13S 21W Trego KS

ATTN: Ken Norton

Job Ticket: 30391 **DST#: 2**

Test Start: 2008.05.05 @ 16:24:44

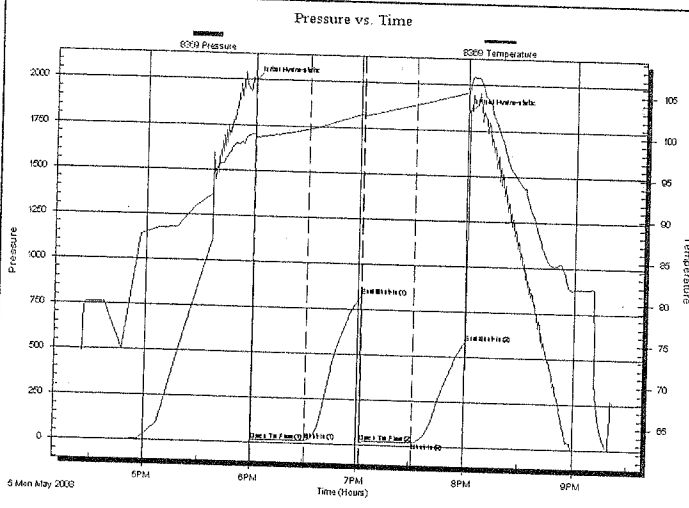
GENERAL INFORMATION:

Formation: **Marmaton**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 18:00:44
 Time Test Ended: 21:23:14
 Interval: **3993.00 ft (KB) To 4032.00 ft (KB) (TVD)**
 Total Depth: 4032.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole
 Tester: John Schmidt
 Unit No: 31
 Reference Elevations: 2343.00 ft (KB)
 2338.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8369 Inside
 Press@RunDepth: 21.32 psig @ 3996.00 ft (KB)
 Start Date: 2008.05.05 End Date: 2008.05.05 Capacity: 7000.00 psig
 Start Time: 16:24:49 End Time: 21:23:13 Last Calib.: 2008.05.05
 Time On Btm: 2008.05.05 @ 18:00:14
 Time Off Btm: 2008.05.05 @ 20:00:44

TEST COMMENT: IF Weak Surface
 ISI Dead
 FF Dead
 FSI Dead



PRESSURE SUMMARY

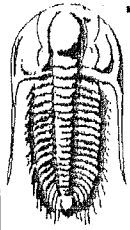
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1997.55	99.68	Initial Hydro-static
1	15.05	99.17	Open To Flow (1)
31	18.21	100.40	Shut-In(1)
62	823.93	102.38	End Shut-In(1)
62	19.78	102.18	Open To Flow(2)
91	21.32	103.68	Shut-In(2)
120	580.00	105.26	End Shut-In(2)
121	1850.85	105.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	DM w/few Oil spots	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

K & B Norton Oil & Invest LLC

Pfannenstiel # 5

510 W 36th St
Hays KS 67601+1508

35 13S 21W Trego KS

Job Ticket: 30391

DST#: 2

ATTN: Ken Norton

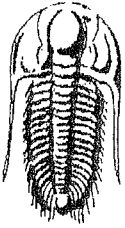
Test Start: 2008.05.05 @ 16:24:44

Tool Information

Drill Pipe:	Length: 3885.00 ft	Diameter: 3.80 inches	Volume: 54.50 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 45000.00 lb
		<u>Total Volume:</u>	<u>55.09 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 41000.00 lb
Depth to Top Packer:	3993.00 ft			Final 41000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	39.00 ft			
Tool Length:	59.00 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			3974.00	
Shut In Tool	5.00			3979.00	
Hydraulic tool	5.00			3984.00	
Packer	4.00			3988.00	20.00 Bottom Of Top Packer
Packer	5.00			3993.00	
Stubb	1.00			3994.00	
Perforations	1.00			3995.00	
Change Over Sub	1.00			3996.00	
Recorder	0.00	8369	Inside	3996.00	
Recorder	0.00	6669	Outside	3996.00	
Blank Spacing	30.00			4026.00	
Change Over Sub	1.00			4027.00	
Perforations	2.00			4029.00	
Bullnose	3.00			4032.00	39.00 Bottom Packers & Anchor

Total Tool Length: 59.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

K & B Norton Oil & Invest LLC

Pfannenstiel # 5

510 W 36th St
Hays KS 67601+1508

35 13S 21W Trego KS

Job Ticket: 30391

DST#: 2

ATTN: Ken Norton

Test Start: 2008.05.05 @ 16:24:44

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 50.00 sec/qt

Water Loss: 9.99 in³

Resistivity: ohm.m

Salinity: ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	DM w/few Oil spots	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

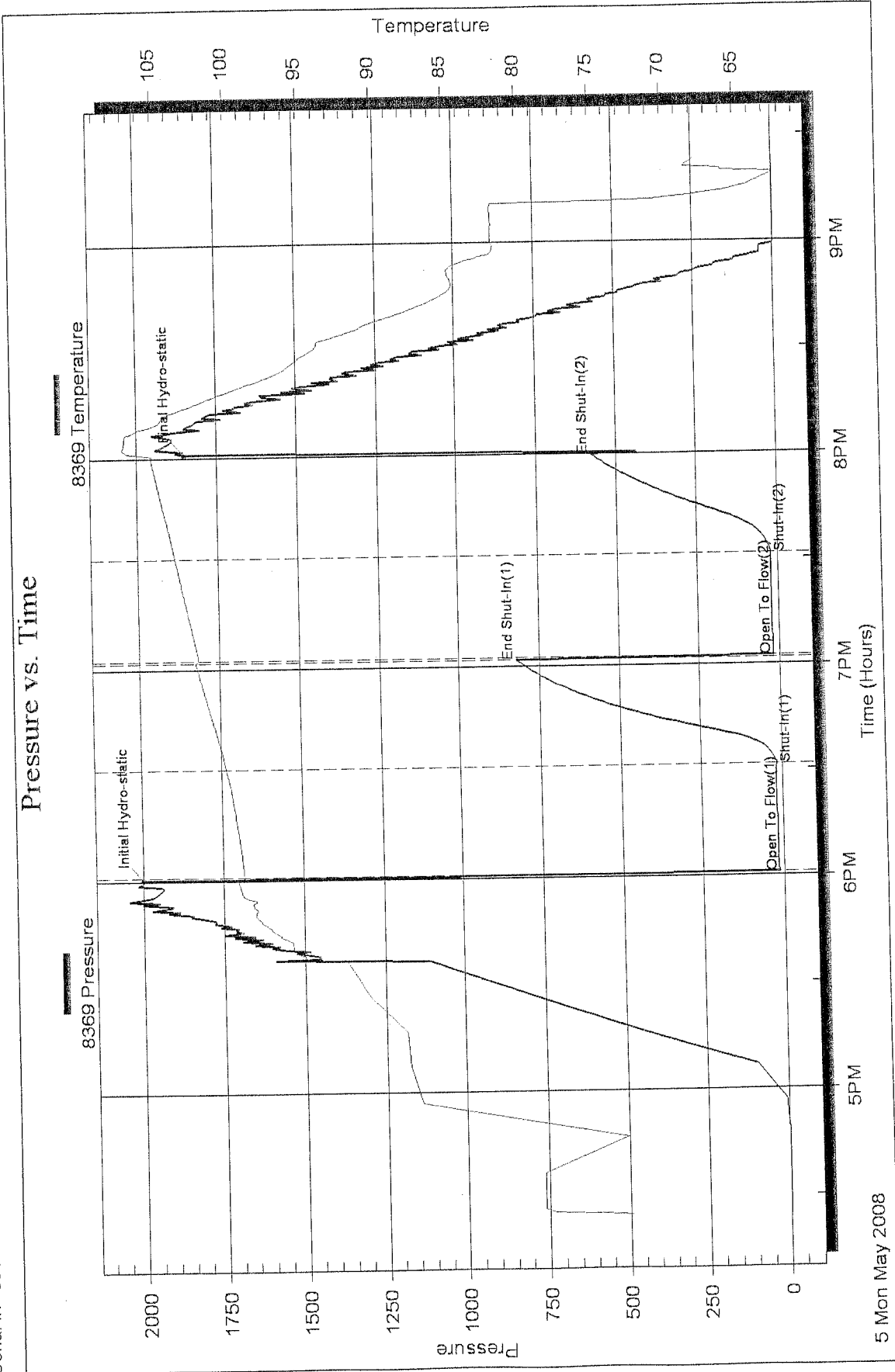
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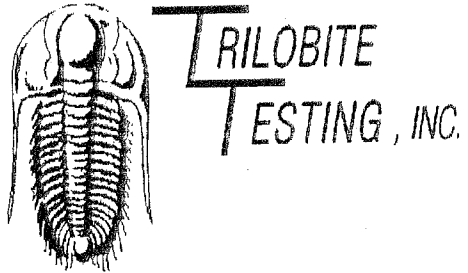
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **K & B Norton Oil & Invest LLC**

510 W 36th St
Hays KS 67601+1508

ATTN: Ken Norton

35 13S 21W Trego KS

Pfannenstiel # 5

Start Date: 2008.05.06 @ 05:16:40

End Date: 2008.05.06 @ 11:00:10

Job Ticket #: 30392 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

K & B Norton Oil & Invest LLC

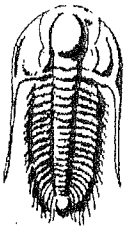
Pfannenstiel # 5

35 13S 21W Trego KS

DST # 3

Cong.

2008.05.06



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

K & B Norton Oil & Invest LLC

Pfannenstiel # 5

510 W 36th St
Hays KS 67601+1508

35 13S 21W Trego KS

Job Ticket: 30392

DST#: 3

ATTN: Ken Norton

Test Start: 2008.05.06 @ 05:16:40

GENERAL INFORMATION:

Formation: **Cong.**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:02:10
 Time Test Ended: 11:00:10
 Interval: **4032.00 ft (KB) To 4097.00 ft (KB) (TVD)**
 Total Depth: 4097.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole
 Tester: John Schmidt
 Unit No: 31
 Reference Elevations: 2343.00 ft (KB)
 2338.00 ft (CF)
 KB to GR/CF: 5.00 ft

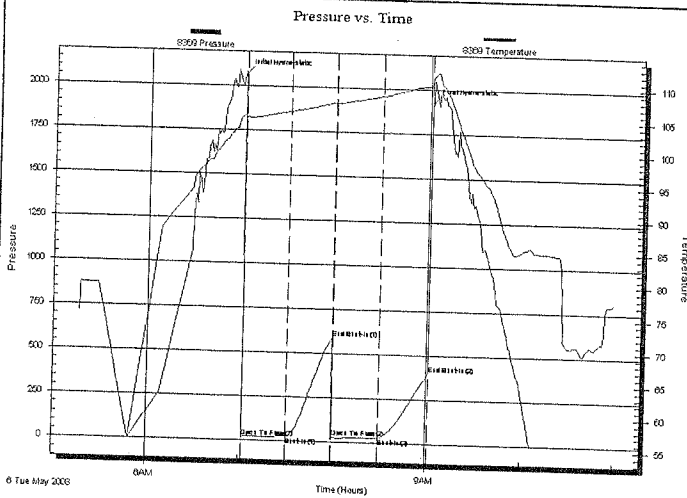
Serial #: 8369

Inside

Press@RunDepth: 28.25 psig @ 4035.00 ft (KB)
 Start Date: 2008.05.06 End Date: 2008.05.06
 Start Time: 05:16:45 End Time: 11:00:09

Capacity: 7000.00 psig
 Last Calib.: 2008.05.06
 Time On Btm: 2008.05.06 @ 07:01:40
 Time Off Btm: 2008.05.06 @ 09:02:10

TEST COMMENT: IF Weak Surface
 ISI Dead
 FF Dead
 FSI Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2069.52	105.33	Initial Hydro-static
1	19.25	104.83	Open To Flow (1)
29	26.00	105.85	Shut-In (1)
58	589.62	107.33	End Shut-In (1)
59	27.48	107.04	Open To Flow (2)
89	28.25	108.44	Shut-In (2)
120	400.71	110.20	End Shut-In (2)
121	1925.23	111.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	DM	0.05

Gas Rates

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

Pressure vs. Time

