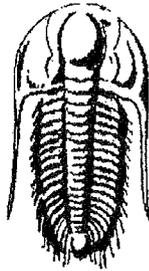


15-065-23093

34-7s-21w



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **K&B Norton oil & Investments LLC**

510 W 36st
Hays Ks 67601-1508

ORIGINAL RECEIVED

ATTN: Ken Norton NOV 02 2005

34--7s--21w **KCC WICHITA**

Stehno Farms

Start Date: 2005.08.26 @ 13:55:30

End Date: 2005.08.26 @ 19:12:30

Job Ticket #: 22135 DST #: 1

15-065-23093-00-00

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

K&B Norton oil & Investments LLC

Stehno Farms

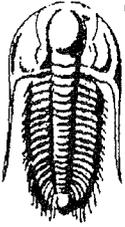
34--7s--21w

DST # 1

L.Kc-A-C

2005.08.26

34-015-21w



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

K&B Norton oil & Investments LLC

Stehno Farms

510 W 36st
Hays Ks 67601-1508

34-7s-21w

Job Ticket: 22135 **DST#: 1**

ATTN: Ken Norton

Test Start: 2005.08.26 @ 13:55:30

GENERAL INFORMATION:

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

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:23:30

Time Test Ended: 19:12:30

Test Type: Conventional Bottom Hole

Tester: John schmidt & Joe r

Unit No: 31

Interval: **3258.00 ft (KB) To 3315.00 ft (KB) (TVD)**

Reference Elevations: 2016.00 ft (KB)

Total Depth: 3315.00 ft (KB) (TVD)

2011.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8018 **Inside**

Press@RunDepth: 42.23 psig @ 3265.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2005.08.26 End Date: 2005.08.26

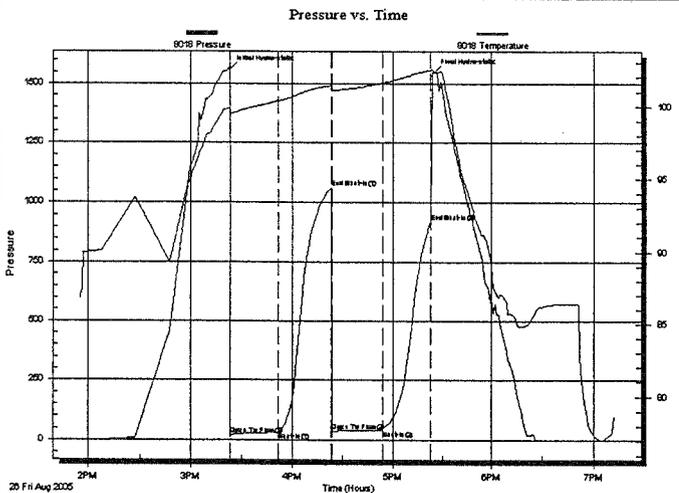
Last Calib.: 2005.08.26

Start Time: 13:55:35 End Time: 19:12:29

Time On Btm: 2005.08.26 @ 15:23:00

Time Off Btm: 2005.08.26 @ 17:25:00

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



PRESSURE SUMMARY

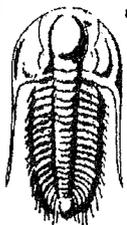
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1560.83	99.87	Initial Hydro-static
1	20.46	99.48	Open To Flow (1)
29	31.36	100.36	Shut-In(1)
60	1062.39	101.41	End Shut-In(1)
61	38.18	101.06	Open To Flow (2)
91	42.23	101.61	Shut-In(2)
120	921.31	102.50	End Shut-In(2)
122	1546.88	102.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	O-C-M-20%O-80%M	0.30
2.00	Clean Oil	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

K&B Norton oil & Investments LLC

Stehno Farms

510 W 36st
Hays Ks 67601-1508

34-7s-21w

Job Ticket: 22135 DST#: 1

ATTN: Ken Norton

Test Start: 2005.08.26 @ 13:55:30

Tool Information

Drill Pipe:	Length: 3139.00 ft	Diameter: 3.80 inches	Volume: 44.03 bbl	Tool Weight: 2000.00 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: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 44.63 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3258.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	57.00 ft			
Tool Length:	77.00 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			3239.00	
Shut In Tool	5.00			3244.00	
Hydraulic tool	5.00			3249.00	
Packer	4.00			3253.00	20.00 Bottom Of Top Packer
Packer	5.00			3258.00	
Stubb	1.00			3259.00	
Perforations	5.00			3264.00	
Change Over Sub	1.00			3265.00	
Recorder	0.00	8018	Inside	3265.00	
Blank Spacing	31.00			3296.00	
Change Over Sub	1.00			3297.00	
Recorder	0.00	11084	Outside	3297.00	
Perforations	15.00			3312.00	
Bullnose	3.00			3315.00	57.00 Bottom Packers & Anchor

Total Tool Length: 77.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

K&B Norton oil & Investments LLC

Stehno Farms

510 W36st
Hays Ks 67601-1508

34-7s-21w

Job Ticket: 22135

DST#: 1

ATTN: Ken Norton

Test Start: 2005.08.26 @ 13:55:30

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: 44.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	O-C-M-20%O-80%M	0.295
2.00	Clean Oil	0.010

Total Length: 62.00 ft Total Volume: 0.305 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

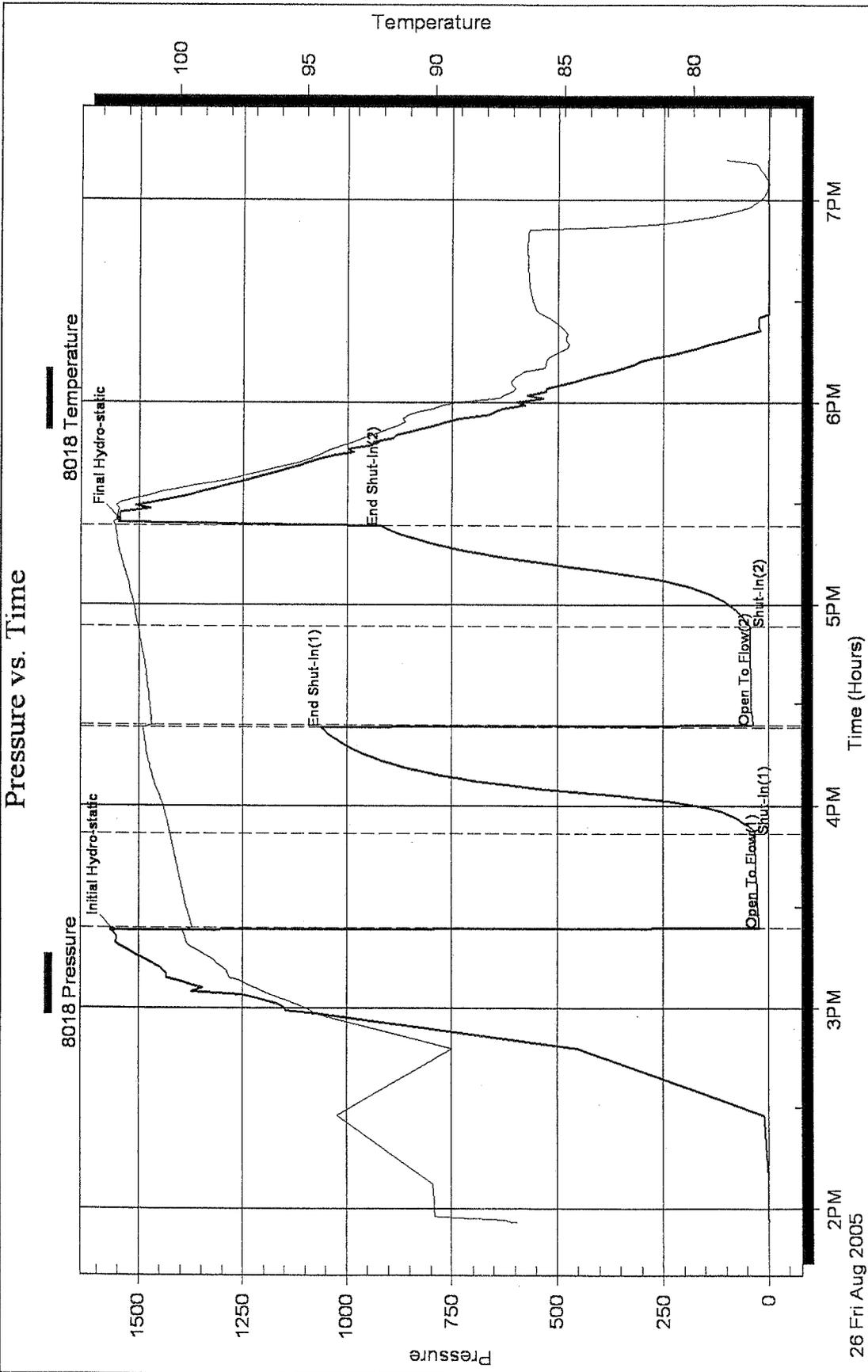
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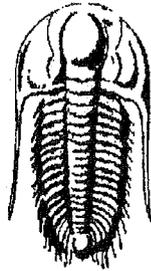
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **K&B Norton oil & Investments LLC**

510 W 36st
Hays Ks 67601-1508

ATTN: Ken Norton

34--7s--21w

Stehno Farms

Start Date: 2005.08.27 @ 01:08:30

End Date: 2005.08.27 @ 07:34:00

Job Ticket #: 22136 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

K&B Norton oil & Investments LLC

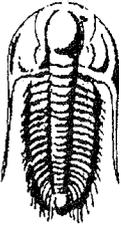
Stehno Farms

34--7s--21w

DST # 2

L-KC-E-F

2005.08.27



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

K&B Norton oil & Investments LLC
 510 W 36st
 Hays Ks 67601-1508
 ATTN: Ken Norton

Stehno Farms
34-7s-21w
 Job Ticket: 22136 **DST#: 2**
 Test Start: 2005.08.27 @ 01:08:30

GENERAL INFORMATION:

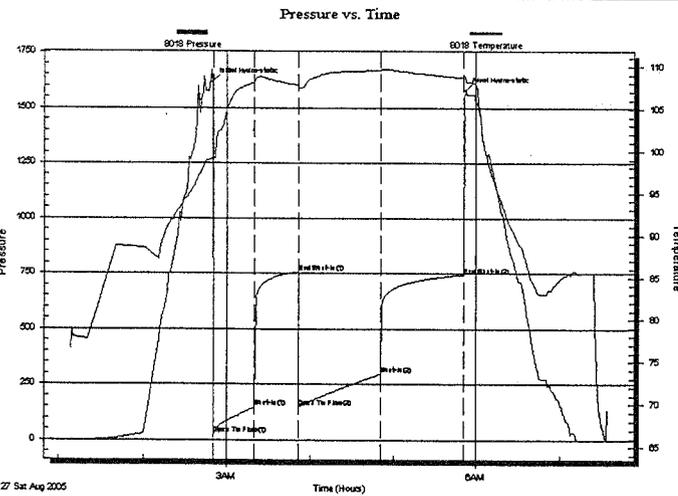
Formation: **L-Kc-E-F**
 Deviated: **No** Whipstock: ft (KB)
 Time Tool Opened: 02:50:30
 Time Test Ended: 07:34:00
 Interval: **3330.00 ft (KB) To 3360.00 ft (KB) (TVD)**
 Total Depth: **3360.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: Fair
 Test Type: **Conventional Bottom Hole**
 Tester: **John schmidt & Joe r**
 Unit No: **31**
 Reference Elevations: **2016.00 ft (KB)**
2011.00 ft (CF)
 KB to GR/CF: **5.00 ft**

Serial #: 8018

Inside

Press@RunDepth: 296.47 psig @ 3337.00 ft (KB) Capacity: 7000.00 psig
 Start Date: 2005.08.27 End Date: 2005.08.27 Last Calib.: 2005.08.27
 Start Time: 01:08:35 End Time: 07:33:59 Time On Btrr: 2005.08.27 @ 02:50:00
 Time Off Btrr: 2005.08.27 @ 05:52:30

TEST COMMENT: IF-Strong B.O.B.11 min. ISI-Dead
 FF-Strong B.O.B 14 Min. FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1615.42	99.42	Initial Hydro-static
1	26.19	99.10	Open To Flow (1)
30	145.74	108.15	Shut-In(1)
61	757.84	107.82	End Shut-In(1)
62	148.41	107.58	Open To Flow (2)
121	296.47	109.50	Shut-In(2)
181	745.00	108.74	End Shut-In(2)
183	1578.11	108.81	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
599.00	Muddy S.W. 15%M-85%W	7.29
1.00	Clean oil	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

K&B Norton oil & Investments LLC

Stehno Farms

510 W36st
Hays Ks 67601-1508

34-7s-21w

Job Ticket: 22136

DST#: 2

ATTN: Ken Norton

Test Start: 2005.08.27 @ 01:08:30

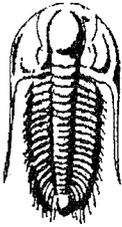
Tool Information

Drill Pipe:	Length: 3210.00 ft	Diameter: 3.80 inches	Volume: 45.03 bbl	Tool Weight:	2000.00 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: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	42000.00 lb
			<u>Total Volume: 45.63 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial	36000.00 lb
Depth to Top Packer:	3330.00 ft			Final	40000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	30.00 ft				
Tool Length:	50.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3311.00	
Shut In Tool	5.00			3316.00	
Hydraulic tool	5.00			3321.00	
Packer	4.00			3325.00	20.00 Bottom Of Top Packer
Packer	5.00			3330.00	
Stubb	1.00			3331.00	
Perforations	6.00			3337.00	
Recorder	0.00	8018	Inside	3337.00	
Perforations	20.00			3357.00	
Recorder	0.00	13308	Outside	3357.00	
Bullnose	3.00			3360.00	30.00 Bottom Packers & Anchor

Total Tool Length: 50.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

K&B Norton oil & Investments LLC

Stehno Farms

510 W 36st
Hays Ks 67601-1508

34-7s-21w

Job Ticket: 22136

DST#: 2

ATTN: Ken Norton

Test Start: 2005.08.27 @ 01:08:30

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:

52000 ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
599.00	Muddy S.W. 15%M-85%W	7.291
1.00	Clean oil	0.014

Total Length: 600.00 ft

Total Volume: 7.305 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

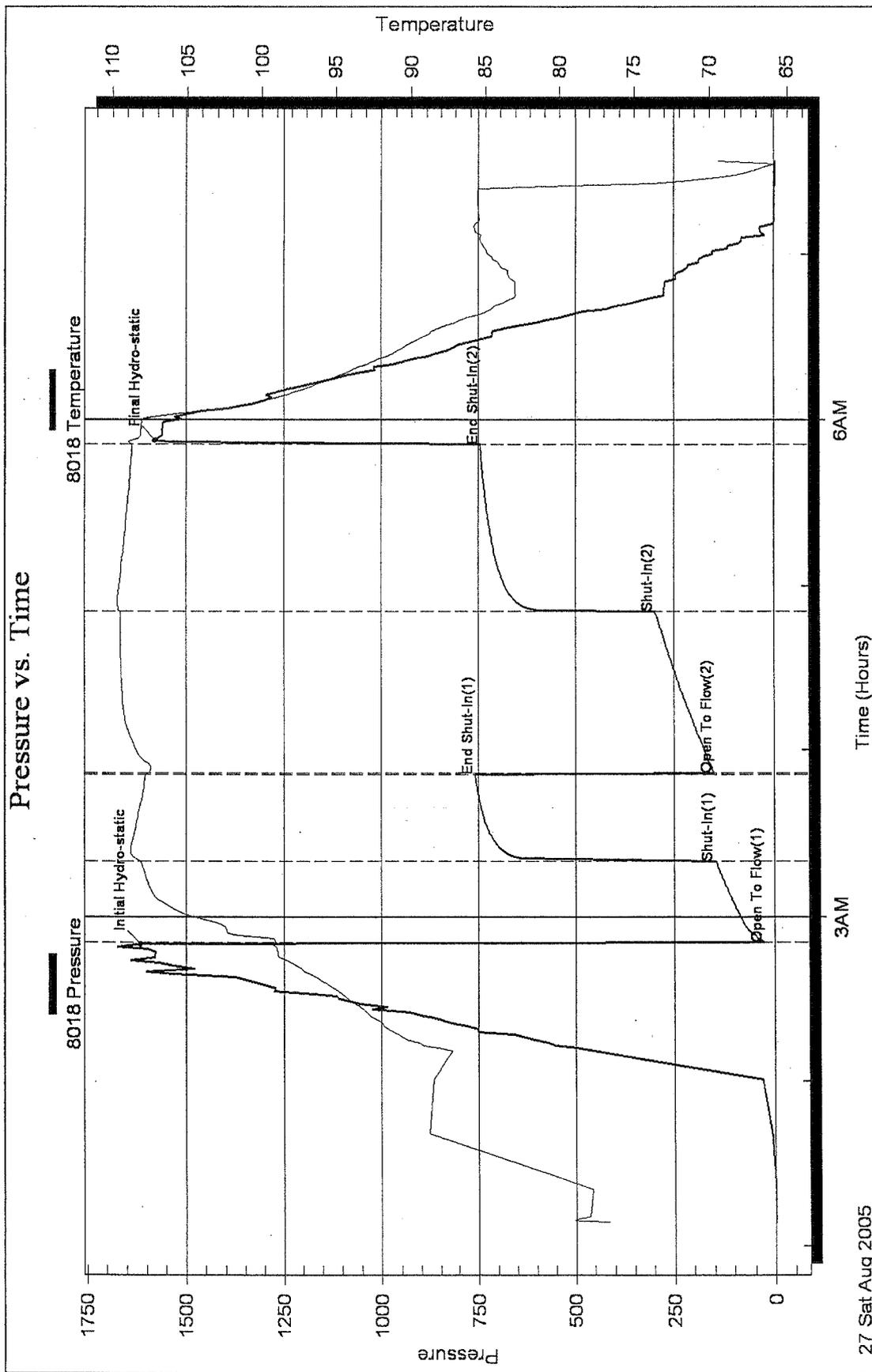
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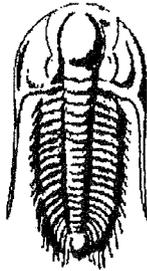
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **K&B Norton oil & Investments LLC**

510 W 36st
Hays Ks 67601-1508

ATTN: Ken Norton

34--7s--21w

Stehno Farms

Start Date: 2005.08.27 @ 16:20:59

End Date: 2005.08.27 @ 22:31:59

Job Ticket #: 22137 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

K&B Norton oil & Investments LLC

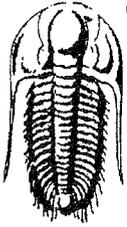
Stehno Farms

34--7s--21w

DST # 3

L-KC-1-L

2005.08.27



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

K&B Norton oil & Investments LLC

Stehno Farms

510 W36st
Hays Ks 67601-1508

34-7s-21w

Job Ticket: 22137

DST#: 3

ATTN: Ken Norton

Test Start: 2005.08.27 @ 16:20:59

GENERAL INFORMATION:

Formation: L-Kc-I-L

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:00:29

Time Test Ended: 22:31:59

Test Type: Conventional Bottom Hole

Tester: John schmidt & Joe r

Unit No: 31

Interval: 3410.00 ft (KB) To 3470.00 ft (KB) (TVD)

Reference Elevations: 2016.00 ft (KB)

Total Depth: 3315.00 ft (KB) (TVD)

2011.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8018 Inside

Press@RunDepth: 51.58 psig @ 3415.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2005.08.27

End Date:

2005.08.27

Last Calib.: 2005.08.27

Start Time: 16:21:04

End Time:

22:31:58

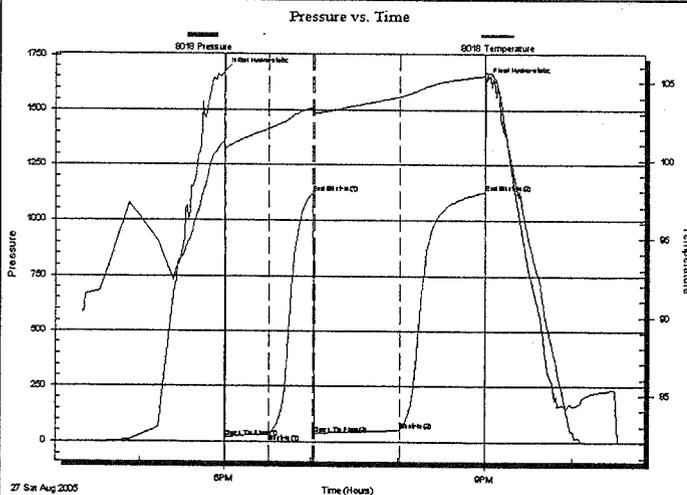
Time On Btm: 2005.08.27 @ 17:59:59

Time Off Btm: 2005.08.27 @ 21:00:29

TEST COMMENT: IF-Weak Surface Blow Built 2" in.
FF-Fair Blow Built 8" in.

ISI-Dead

FSI-Weak Surface Blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1674.76	101.25	Initial Hydro-static
1	19.24	100.69	Open To Flow (1)
31	33.59	102.02	Shut-In(1)
62	1121.79	103.40	End Shut-In(1)
63	34.34	103.05	Open To Flow (2)
122	51.58	104.07	Shut-In(2)
180	1127.07	105.44	End Shut-In(2)
181	1633.23	105.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	MCO-50% mud 50% oil	0.30
50.00	Clean oil	0.25
0.00	180 GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

K&B Norton oil & Investments LLC

Stehno Farms

510 W 36st
Hays Ks 67601-1508

34-7s-21w

Job Ticket: 22137

DST#: 3

ATTN: Ken Norton

Test Start: 2005.08.27 @ 16:20:59

Tool Information

Drill Pipe:	Length: 3295.00 ft	Diameter: 3.80 inches	Volume: 46.22 bbl	Tool Weight: 2000.00 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: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 42000.00 lb
			<u>Total Volume: 46.82 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3410.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	80.00 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			3391.00	
Shut In Tool	5.00			3396.00	
Hydraulic tool	5.00			3401.00	
Packer	4.00			3405.00	20.00 Bottom Of Top Packer
Packer	5.00			3410.00	
Stubb	1.00			3411.00	
Perforations	3.00			3414.00	
Change Over Sub	1.00			3415.00	
Recorder	0.00	8018	Inside	3415.00	
Blank Spacing	31.00			3446.00	
Change Over Sub	1.00			3447.00	
Recorder	0.00	11084	Outside	3447.00	
Perforations	20.00			3467.00	
Bullnose	3.00			3470.00	60.00 Bottom Packers & Anchor

Total Tool Length: 80.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

K&B Norton oil & Investments LLC

Stehno Farms

510 W36st
Hays Ks 67601-1508

34-7s-21w

Job Ticket: 22137

DST#: 3

ATTN: Ken Norton

Test Start: 2005.08.27 @ 16:20:59

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 40 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 46.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.39 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	MCO-50%mud50%oil	0.295
50.00	Clean oil	0.246
0.00	180 GIP	0.000

Total Length: 110.00 ft Total Volume: 0.541 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

