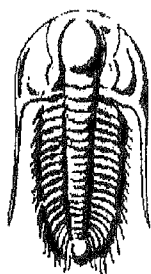


15-065-23136

19-9s-23w



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Dowing Nelson Oil Co.**

PO Box 372
Hays KS 67601

ATTN: Ron Nelson

19-9s-23w

Davignon # 1-19

Start Date: 2006.02.25 @ 02:43:14

End Date: 2006.02.25 @ 09:01:14

Job Ticket #: 23934

DST #: 1

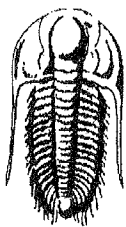
15-065-23136-00-00

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Dowling Nelson Oil Co.

Davignon # 1-19

PO Box 372
Hays KS 67601

19-9s-23w

Job Ticket: 23934

DST#: 1

ATTN: Ron Nelson

Test Start: 2006.02.25 @ 02:43:14

GENERAL INFORMATION:

Formation: **L.Kc.-C & D**

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

Time Tool Opened: 05:09:44

Time Test Ended: 09:01:14

Test Type: **Conventional Bottom Hole**

Tester: **John Schmidt**

Unit No: **31**

Interval: **3745.00 ft (KB) To 3790.00 ft (KB) (TVD)**

Total Depth: **3790.00 ft (KB) (TVD)**

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

Reference Elevations: **2440.00 ft (KB)**

2435.00 ft (CF)

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

Serial #: 8018

Inside

Press@RunDepth: **23.92 psig @ 3750.00 ft (KB)**

Start Date: **2006.02.25**

End Date: **2006.02.25**

Capacity: **7000.00 psig**

Last Calib.: **2006.02.25**

Start Time: **02:43:19**

End Time: **09:01:13**

Time On Btm: **2006.02.25 @ 05:09:14**

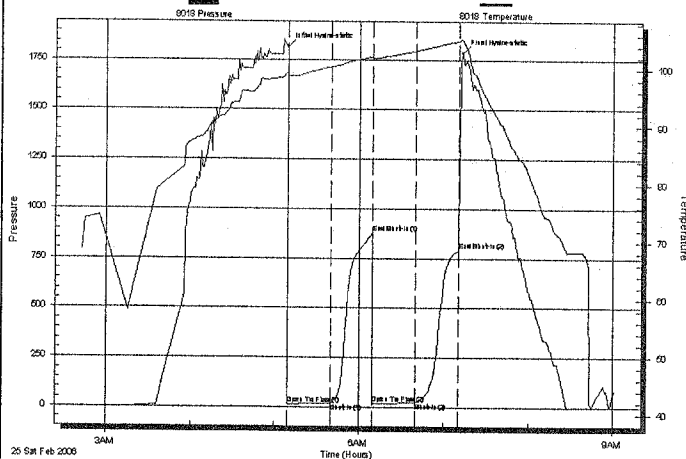
Time Off Btm: **2006.02.25 @ 07:13:14**

TEST COMMENT: IF-Weak surface 1" in.
FF-Weak surface.

ISI-Dead

FSI-Dead

Pressure vs. Time



PRESSURE SUMMARY

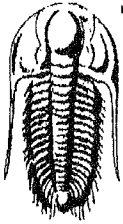
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1820.51	99.39	Initial Hydro-static
1	14.56	98.90	Open To Flow (1)
31	19.11	100.45	Shut-In(1)
60	876.99	102.28	End Shut-In(1)
61	20.07	101.95	Open To Flow (2)
91	23.92	103.36	Shut-In(2)
122	793.18	105.13	End Shut-In(2)
124	1788.36	105.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	D.Mud with @ oil scum on top	0.14

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dowling Nelson Oil Co.

Davignon # 1-19

PO Box 372
Hays KS 67601

19-9s-23w

Job Ticket: 23934

DST#: 1

ATTN: Ron Nelson

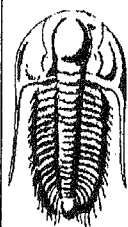
Test Start: 2006.02.25 @ 02:43:14

Tool Information

Drill Pipe:	Length: 3729.00 ft	Diameter: 3.80 inches	Volume: 52.31 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: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	45000.00 lb
		Total Volume:	52.31 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial	39000.00 lb
Depth to Top Packer:	3745.00 ft			Final	39000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	45.00 ft				
Tool Length:	65.00 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			3726.00	
Shut In Tool	5.00			3731.00	
Hydraulic tool	5.00			3736.00	
Packer	4.00			3740.00	20.00 Bottom Of Top Packer
Packer	5.00			3745.00	
Stubb	1.00			3746.00	
Perforations	3.00			3749.00	
Change Over Sub	1.00			3750.00	
Recorder	0.00	8018	Inside	3750.00	
Blank Spacing	31.00			3781.00	
Change Over Sub	1.00			3782.00	
Perforations	5.00			3787.00	
Recorder	0.00	13308	Outside	3787.00	
Bullnose	3.00			3790.00	45.00 Bottom Packers & Anchor

Total Tool Length: 65.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Dowling Nelson Oil Co.

Davignon # 1-19

PO Box 372
Hays KS 67601

19-9s-23w

Job Ticket: 23934

DST#: 1

ATTN: Ron Nelson

Test Start: 2006.02.25 @ 02:43:14

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: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.98 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
10.00	D.Mud with @ oil scum on top	0.140

Total Length: 10.00 ft

Total Volume: 0.140 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

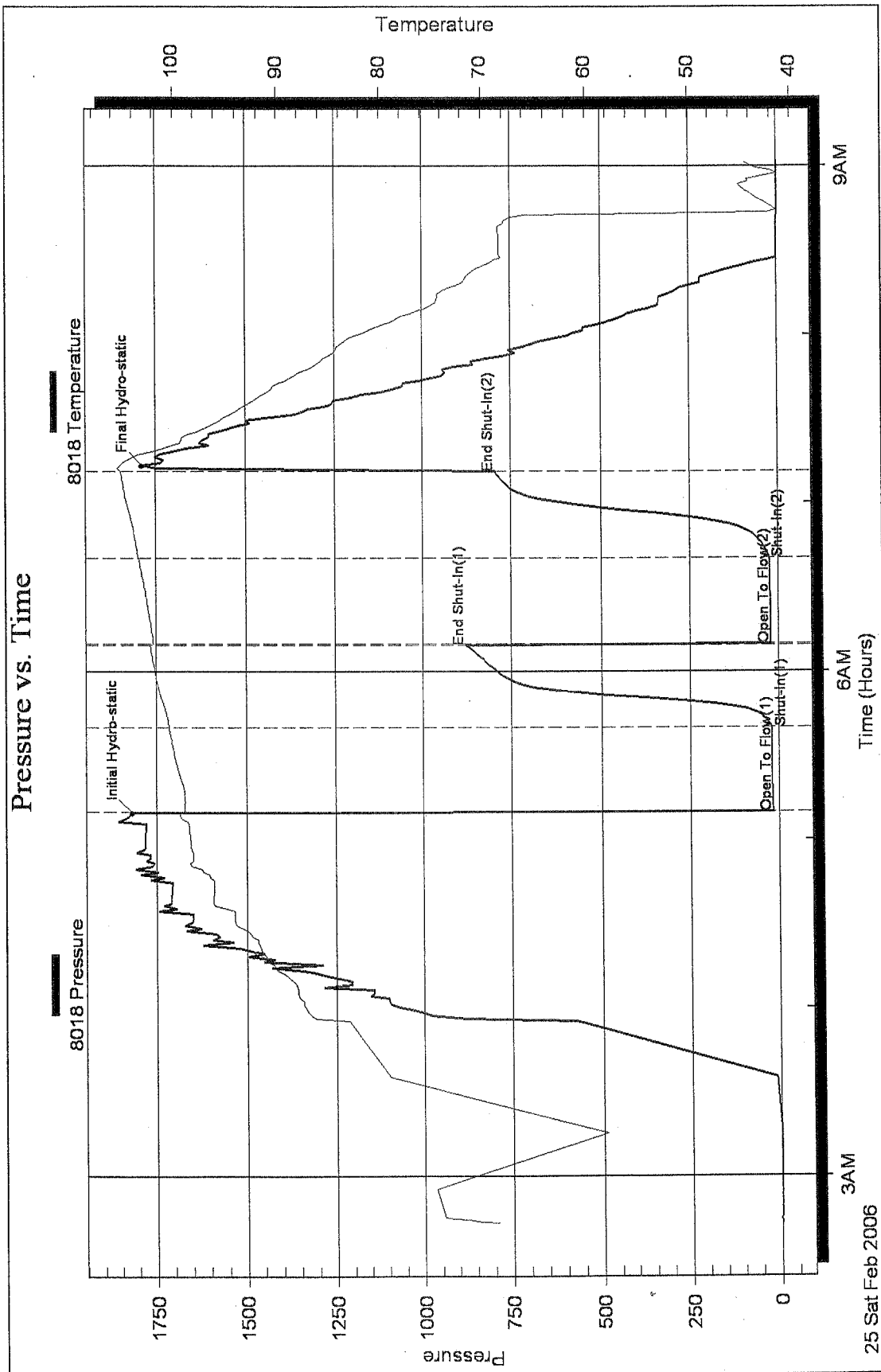
Serial #:

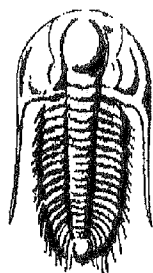
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Dowing Nelson Oil Co.**

PO Box 372
Hays KS 67601

ATTN: Ron Nelson

19-9s-23w

Davignon # 1-19

Start Date: 2006.02.25 @ 16:17:25

End Date: 2006.02.25 @ 22:03:55

Job Ticket #: 23935

DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Dowing Nelson Oil Co.

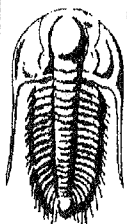
Davignon # 1-19

19-9s-23w

DST # 2

L.Kc.-E & F

2006.02.25



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Dowling Nelson Oil Co.

Davignon # 1-19

PO Box 372
Hays KS 67601

19-9s-23w

Job Ticket: 23935

DST#: 2

ATTN: Ron Nelson

Test Start: 2006.02.25 @ 16:17:25

GENERAL INFORMATION:

Formation: **L.Kc.-E & F**

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

Time Tool Opened: 17:58:25

Time Test Ended: 22:03:55

Test Type: **Conventional Bottom Hole**

Tester: **John Schmidt**

Unit No: **31**

Interval: **3791.00 ft (KB) To 3818.00 ft (KB) (TVD)**

Total Depth: **3818.00 ft (KB) (TVD)**

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

Reference Elevations: **2440.00 ft (KB)**

2435.00 ft (CF)

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

Serial #: 8018 **Inside**

Press@RunDepth: **16.00 psig @ 3795.00 ft (KB)**

Start Date: **2006.02.25**

End Date: **2006.02.25**

Capacity: **7000.00 psig**

Last Calib.: **2006.02.25**

Start Time: **16:17:30**

End Time: **22:03:54**

Time On Btm: **2006.02.25 @ 17:57:55**

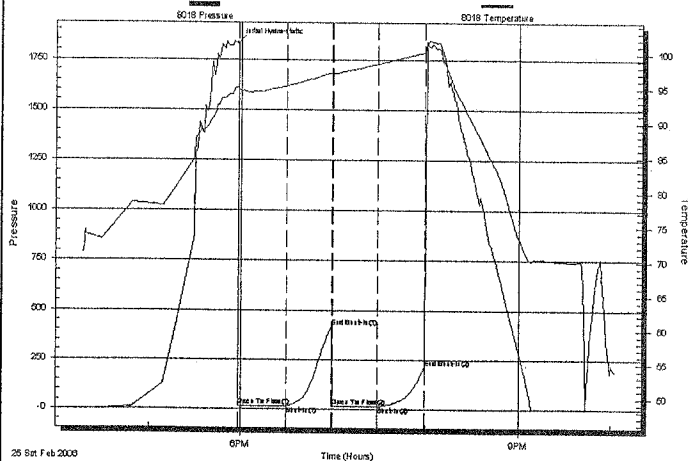
Time Off Btm

TEST COMMENT: IF-Weak Dead in 18 min.
FF-Dead Flush tool no help.

ISI-Dead

FSI-Dead

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1834.00	95.14	Initial Hydro-static
1	13.49	94.78	Open To Flow (1)
32	14.50	95.31	Shut-In(1)
62	417.93	97.23	End Shut-In(1)
62	14.75	97.10	Open To Flow (2)
91	16.00	98.53	Shut-In(2)
122	211.96	100.25	End Shut-In(2)

Recovery

Length (ft)	Description	Volume (bbl)
5.00	D.Mud	0.07

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dowing Nelson Oil Co.

Davignon # 1-19

PO Box 372
Hays KS 67601

19-9s-23w

Job Ticket: 23935

DST#: 2

ATTN: Ron Nelson

Test Start: 2006.02.25 @ 16:17:25

Tool Information

Drill Pipe: Length: 3793.00 ft Diameter: 3.80 inches Volume: 53.21 bbl
Heavy Wt. Pipe: Length: 0.00 ft Diameter: 2.70 inches Volume: 0.00 bbl
Drill Collar: Length: 0.00 ft Diameter: 2.25 inches Volume: 0.00 bbl
Total Volume: 53.21 bbl

Tool Weight: 2000.00 lb
Weight set on Packer: 25000.00 lb
Weight to Pull Loose: 44000.00 lb
Tool Chased 0.00 ft
String Weight: Initial 38000.00 lb
Final 38000.00 lb

Drill Pipe Above KB: 22.00 ft
Depth to Top Packer: 3791.00 ft
Depth to Bottom Packer: ft
Interval between Packers: 27.00 ft
Tool Length: 47.00 ft

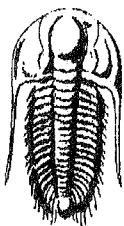
Number of Packers: 2 Diameter: 6.75 inches

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3772.00	
Shut In Tool	5.00			3777.00	
Hydraulic tool	5.00			3782.00	
Packer	4.00			3786.00	20.00 Bottom Of Top Packer
Packer	5.00			3791.00	
Stubb	1.00			3792.00	
Perforations	3.00			3795.00	
Recorder	0.00	8018	Inside	3795.00	
Perforations	20.00			3815.00	
Recorder	0.00	13308	Outside	3815.00	
Bullnose	3.00			3818.00	27.00 Bottom Packers & Anchor

Total Tool Length: 47.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ing Nelson Oil Co.

Davignon # 1-19

PO Box 372
Hays KS 67601

19-9s-23w

Job Ticket: 23935

DST#: 2

ATTN: Ron Nelson

Test Start: 2006.02.25 @ 16:17:25

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: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.98 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
5.00	D.Mud	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:

Pressure vs. Time

