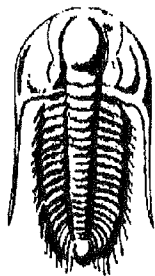


15-009-25305

19-16s-15w

RED



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

CONFIDENTIAL

MAY 07 2009

KEE

Prepared For: **Carmen Schmitt**

PO Box 47
Great Bend, KS 67530

ATTN: Tom Funk

19 16-15 Barton KS

Keller #1

Start Date: 2009.02.16 @ 02:30:40

End Date: 2009.02.16 @ 07:54:10

Job Ticket #: 34980

DST #: 1

Carmen Schmitt

Keller #1

1-16-15 Barton KS

DST # 1

LKC "E-F"

2009.02.16

Section is 19, not 1 as printed

KANSAS CORPORATION COMMISSION

MAY 12 2009

RECEIVED

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Carmen Schmitt

PO Box 47
Great Bend, KS 67530

ATTN: Tom Funk

Keller #1

1-16-15 Barton KS

Job Ticket: 34980

DST#: 1

Test Start: 2009.02.16 @ 02:30:40

GENERAL INFORMATION:

Formation: **LKC "E-F"**

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

Time Tool Opened: 04:14:40

Time Test Ended: 07:54:10

Test Type: **Conventional Bottom Hole**

Tester: **Kyle Kinderknecht**

Unit No: **47**

Interval: 3327.00 ft (KB) To 3375.00 ft (KB) (TVD)

Total Depth: **3375.00 ft (KB) (TVD)**

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

Reference Elevations: **1933.00 ft (KB)**

1928.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8319

Inside

Press@RunDepth: **39.08 psig @ 3330.00 ft (KB)**

Start Date: **2009.02.16**

End Date: **2009.02.16**

Start Time: **02:30:45**

End Time: **07:54:09**

Capacity: **7000.00 psig**

Last Calib.: **2009.02.16**

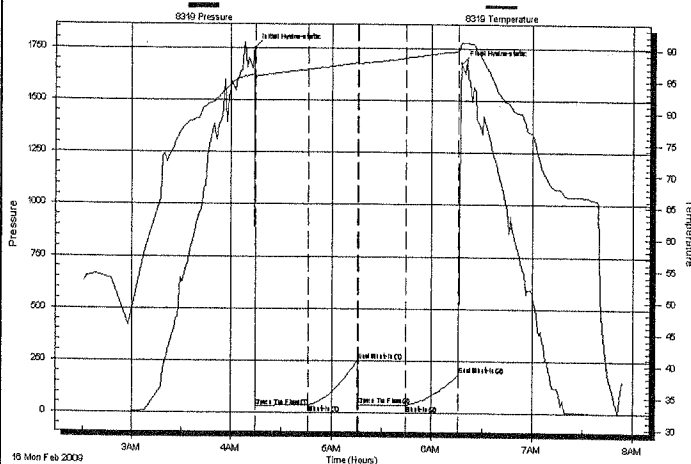
Time On Btm: **2009.02.16 @ 04:14:10**

Time Off Btm: **2009.02.16 @ 06:17:40**

TEST COMMENT: **IF Slow build to 1"**

FF No blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1748.95	86.02	Initial Hydro-static
1	30.14	85.09	Open To Flow (1)
32	37.42	86.73	Shut-In (1)
61	249.87	87.81	End Shut-In (1)
62	37.33	87.74	Open To Flow (2)
91	39.08	88.60	Shut-In (2)
122	183.41	89.68	End Shut-In (2)
124	1678.03	91.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud	0.10

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt

Keller #1

PO Box 47
Great Bend, KS 67530

1-16-15 Barton KS

Job Ticket: 34980

DST#: 1

ATTN: Tom Funk

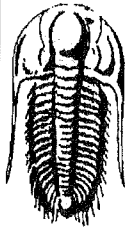
Test Start: 2009.02.16 @ 02:30:40

Tool Information

Drill Pipe:	Length: 3080.00 ft	Diameter: 3.82 inches	Volume: 43.66 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: 245.00 ft	Diameter: 2.25 inches	Volume: 1.20 bbl	Weight to Pull Loose: 46000.00 lb
			Total Volume: 44.86 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3327.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	48.00 ft			
Tool Length:	68.00 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			3308.00	
Shut In Tool	5.00			3313.00	
Hydraulic tool	5.00			3318.00	
Packer	4.00			3322.00	20.00 Bottom Of Top Packer
Packer	5.00			3327.00	
Stubb	1.00			3328.00	
Perforations	1.00			3329.00	
Change Over Sub	1.00			3330.00	
Recorder	0.00	8319	Inside	3330.00	
Recorder	0.00	8369	Inside	3330.00	
Blank Spacing	31.00			3361.00	
Change Over Sub	1.00			3362.00	
Perforations	10.00			3372.00	
Bullnose	3.00			3375.00	48.00 Bottom Packers & Anchor

Total Tool Length: 68.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt

Keller #1

PO Box 47
Great Bend, KS 67530

1-16-15 Barton KS

Job Ticket: 34980

DST#: 1

ATTN: Tom Funk

Test Start: 2009.02.16 @ 02:30:40

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 41.00 sec/qt

Water Loss: 9.99 in³

Resistivity: ohm.m

Salinity: 6600.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Mud	0.098

Total Length: 20.00 ft

Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

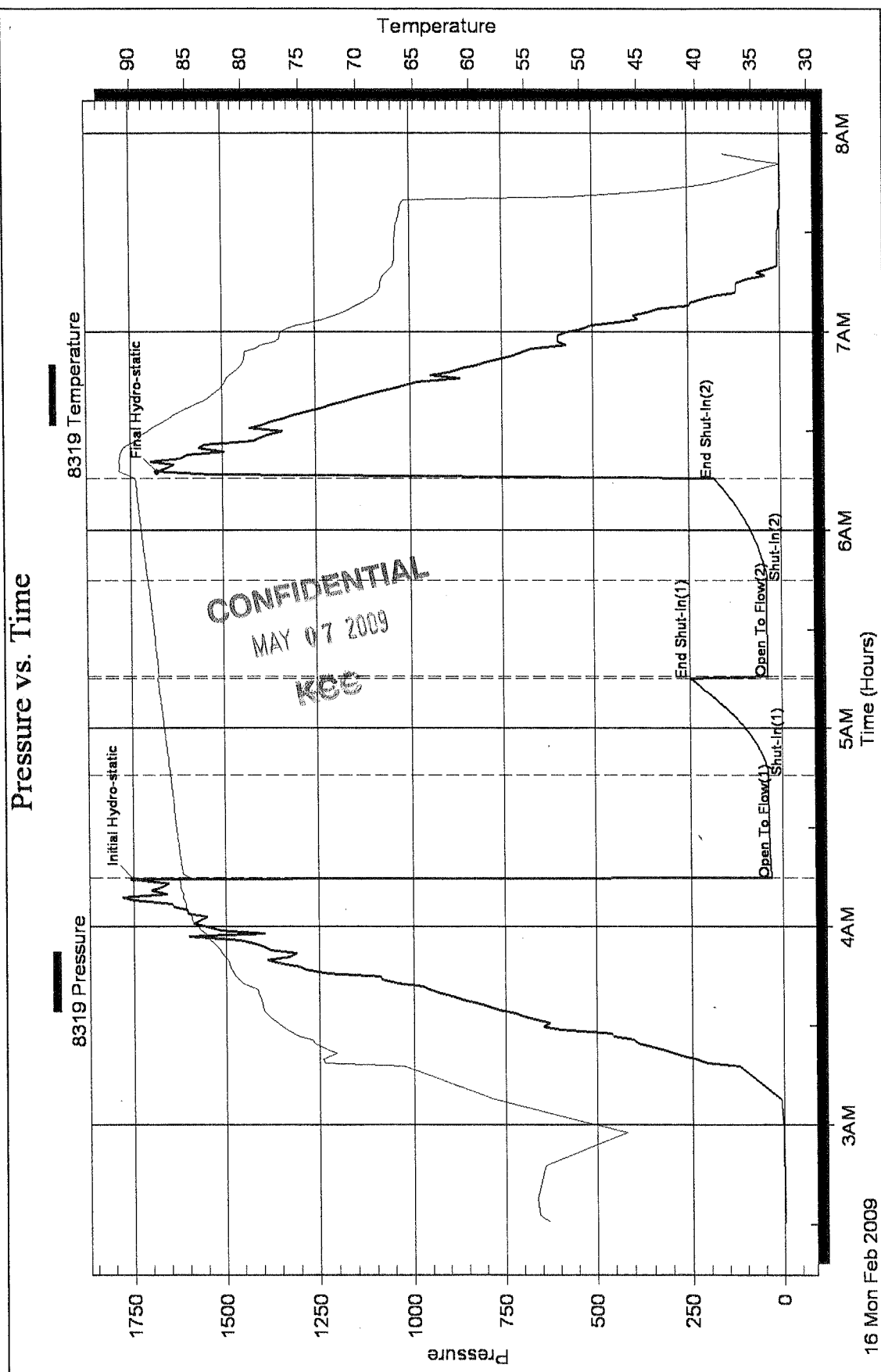
Serial #:

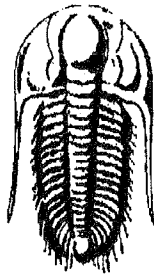
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt**

PO Box 47
Great Bend, KS 67530

ATTN: Tom Funk

1-16-15 Barton KS

Keller #1

Start Date: 2009.02.16 @ 18:57:14

End Date: 2009.02.16 @ 23:50:44

Job Ticket #: 34981 DST #: 2

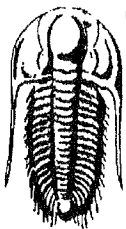
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KANSAS CORPORATION COMMISSION

MAY 12 2009

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Carmen Schmitt

Keller #1

PO Box 47
Great Bend, KS 67530

1-16-15 Barton KS

ATTN: Tom Funk

Job Ticket: 34981

DST#: 2

Test Start: 2009.02.16 @ 18:57:14

GENERAL INFORMATION:

Formation: **LKC "J-K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:54:14

Time Test Ended: 23:50:44

Test Type: Conventional Bottom Hole

Tester: Kyle Kinderknecht

Unit No: 47

Interval: **3446.00 ft (KB) To 3495.00 ft (KB) (TVD)**

Total Depth: 3495.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1933.00 ft (KB)

1928.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8319 Inside

Press@RunDepth: 14.49 psig @ 3449.00 ft (KB)

Start Date: 2009.02.16

End Date: 2009.02.16

Start Time: 18:57:19

End Time: 23:50:43

Capacity: 7000.00 psig

Last Calib.: 2009.02.16

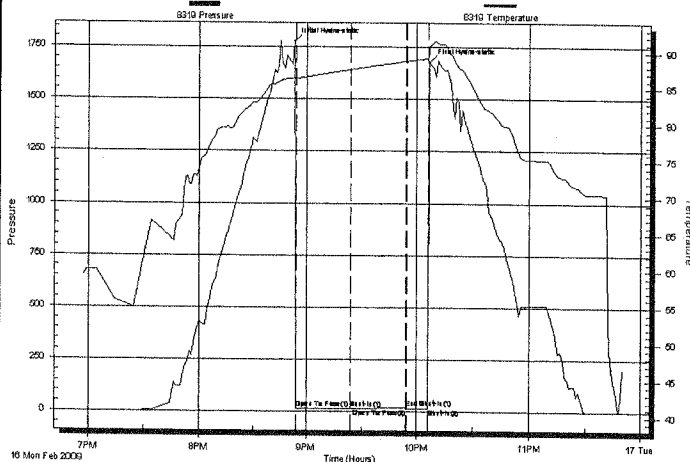
Time On Btm: 2009.02.16 @ 20:53:14

Time Off Btm: 2009.02.16 @ 22:06:44

TEST COMMENT: IF 1/4" died 15 min

FF Surge then dead

Pressure vs. Time



PRESSURE SUMMARY

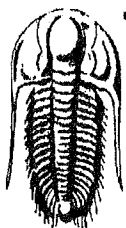
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1775.90	86.48	Initial Hydro-static
1	14.31	86.28	Open To Flow(1)
31	14.49	87.58	Shut-In(1)
61	19.21	88.75	End Shut-In(1)
62	14.15	88.76	Open To Flow(2)
73	12.99	89.15	Shut-In(2)
74	1676.59	90.55	Final Hydro-static

Recovery

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

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt

Keller #1

PO Box 47
Great Bend, KS 67530

1-16-15 Barton KS

Job Ticket: 34981

DST#: 2

ATTN: Tom Funk

Test Start: 2009.02.16 @ 18:57:14

Tool Information

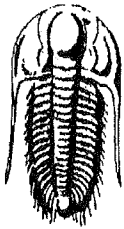
Drill Pipe:	Length: 3206.00 ft	Diameter: 3.82 inches	Volume: 45.45 bbl	Tool Weight:	1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 245.00 ft	Diameter: 2.25 inches	Volume: 1.20 bbl	Weight to Pull Loose:	46000.00 lb
		Total Volume:	46.65 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial	44000.00 lb
Depth to Top Packer:	3446.00 ft			Final	44000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	49.00 ft				
Tool Length:	69.00 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			3427.00	
Shut In Tool	5.00			3432.00	
Hydraulic tool	5.00			3437.00	
Packer	4.00			3441.00	20.00 Bottom Of Top Packer
Packer	5.00			3446.00	
Stubb	1.00			3447.00	
Perforations	1.00			3448.00	
Change Over Sub	1.00			3449.00	
Recorder	0.00	8319	Inside	3449.00	
Recorder	0.00	8369	Inside	3449.00	
Blank Spacing	32.00			3481.00	
Change Over Sub	1.00			3482.00	
Perforations	10.00			3492.00	
Bullnose	3.00			3495.00	49.00 Bottom Packers & Anchor

Total Tool Length: 69.00

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MAY 07 2009
KCC



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt

Keller #1

PO Box 47
Great Bend, KS 67530

1-16-15 Barton KS

Job Ticket: 34981

DST#: 2

ATTN: Tom Funk

Test Start: 2009.02.16 @ 18:57:14

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 65.00 sec/qt

Water Loss: 9.99 in³

Resistivity: ohm.m

Salinity: 10000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud	0.049

Total Length: 10.00 ft

Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

