

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Blake Exploration**

Box 150
Bogue KS 67625

ATTN: Mike Davignon

3-11s-20w Ellis

Love #1

Start Date: 2006.02.12 @ 04:46:25

End Date: 2006.02.12 @ 11:52:24

Job Ticket #: 23030 DST #: 1

15-051-25496-0000

NE SW NE

1910 FNL 1725 FEL

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Blake Exploration

Love #1

3-11s-20w Ellis

DST # 1

LKC C-D

2006.02.12



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Blake Exploration

Love #1

Box 150
Bogue KS 67625

3-11s-20w Ellis

Job Ticket: 23030 DST#: 1

ATTN: Mike Davignon

Test Start: 2006.02.12 @ 04:46:25

GENERAL INFORMATION:

Formation: **LKC C-D**
 Deviated: **No Whipstock** ft (KB)
 Time Tool Opened: 07:09:24
 Time Test Ended: 11:52:24

Test Type: **Conventional Bottom Hole**
 Tester: **Ray Schwager**
 Unit No: **28**

Interval: **3395.00 ft (KB) To 3440.00 ft (KB) (TVD)**
 Total Depth: **3440.00 ft (KB) (TVD)**
 Hole Diameter: **7.85 inches** Hole Condition: **Fair**

Reference Elevations: **2082.00 ft (KB)**
2077.00 ft (CF)
 KB to GR/CF: **5.00 ft**

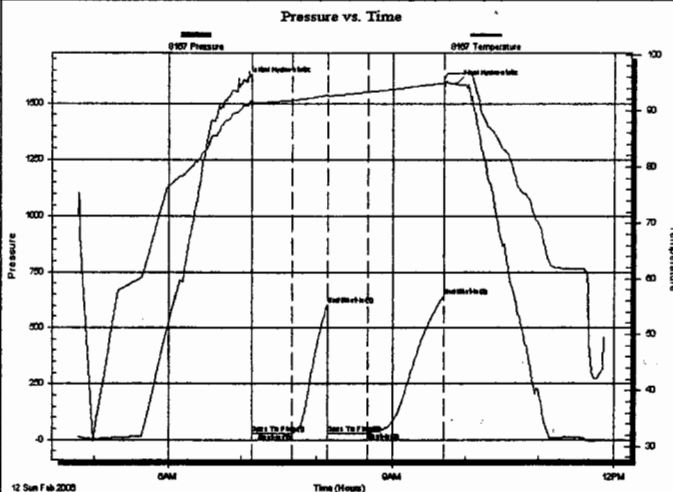
Serial #: 8167

Inside

Press@RunDepth: **31.25 psig @ 3405.01 ft (KB)**
 Start Date: **2006.02.12** End Date: **2006.02.12**
 Start Time: **04:46:25** End Time: **11:52:24**

Capacity: **7000.00 psig**
 Last Calib.: **2006.02.12**
 Time On Btrm: **2006.02.12 @ 07:03:54**
 Time Off Btrm: **2006.02.12 @ 09:51:54**

TEST COMMENT: **IFP-w k bl thru-out 1/2" to 1" bl**
FFP-surface bl thru-out
Times 30-30-30-60



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1599.45	90.89	Initial Hydro-static
6	30.34	91.38	Open To Flow (1)
37	30.29	91.80	Shut-In(1)
65	601.78	92.69	End Shut-In(1)
66	30.26	92.56	Open To Flow (2)
97	31.25	93.26	Shut-In(2)
158	642.38	94.89	End Shut-In(2)
168	1586.47	96.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	SOCM6%O 94%M	0.14

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Blake Exploration

Love #1

Box 150
Bogue KS 67625

3-11s-20w Ellis

Job Ticket: 23030 DST#: 1

ATTN: Mike Davignon

Test Start: 2006.02.12 @ 04:46:25

Tool Information

Drill Pipe:	Length: 3383.00 ft	Diameter: 3.80 inches	Volume: 47.45 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: 40000.00 lb
			<u>Total Volume: 47.45 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 28000.00 lb
Depth to Top Packer:	3395.00 ft			Final 28000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	45.02 ft			
Tool Length:	66.02 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			3375.00	
Shut In Tool	5.00			3380.00	
Hydraulic tool	5.00			3385.00	
Packer	5.00			3390.00	21.00 Bottom Of Top Packer
Packer	5.00			3395.00	
Stubb	1.00			3396.00	
Perforations	9.00			3405.00	
Recorder	0.01	8167	Inside	3405.01	
Blank Spacing	32.00			3437.01	
Recorder	0.01	13534	Outside	3437.02	
Bullnose	3.00			3440.02	45.02 Bottom Packers & Anchor

Total Tool Length: 66.02



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Blake Exploration

Love #1

Box 150
Bogue KS 67625

3-11s-20w Ellis

Job Ticket: 23030

DST#: 1

ATTN: Mike Davignon

Test Start: 2006.02.12 @ 04:46:25

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: 64.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.37 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2900.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	SOCM 6%O 94%M	0.140

Total Length: 10.00 ft Total Volume: 0.140 bbl

Num Fluid Samples: 0

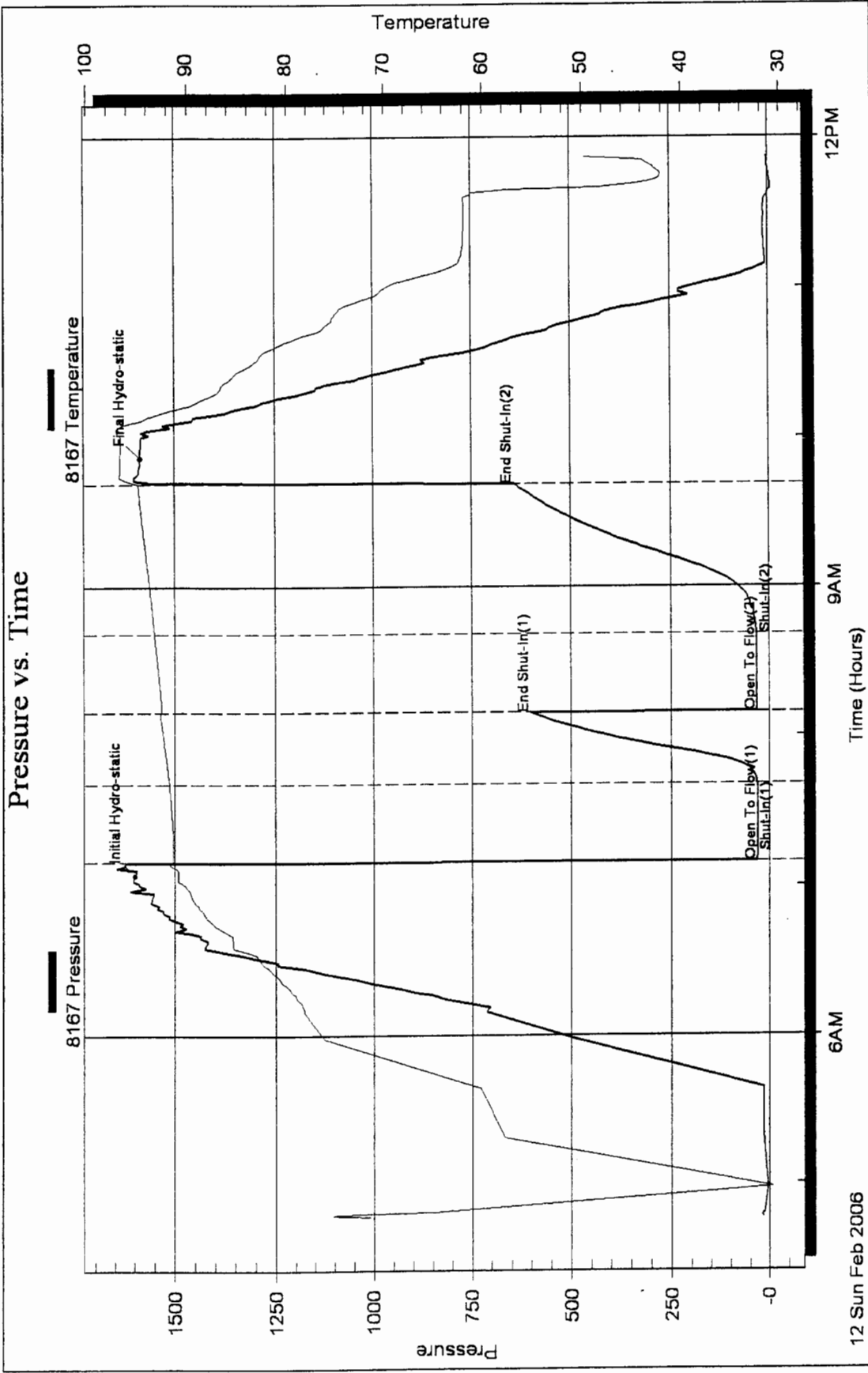
Num Gas Bombs: 0

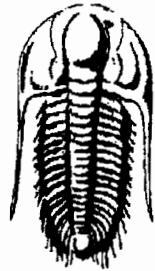
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
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DRILL STEM TEST REPORT

Prepared For: **Blake Exploration**

Box 150
Bogue KS 67625

ATTN: Mike Davignon

3-11s-20w Ellis

Love #1

Start Date: 2006.02.12 @ 18:54:41

End Date: 2006.02.13 @ 01:38:40

Job Ticket #: 23031 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Blake Exploration

Love #1

3-11s-20w Ellis

DST # 2

LKC "F"

2006.02.12



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Blake Exploration

Love #1

Box 150
Bogue KS 67625

3-11s-20w Ellis

Job Ticket: 23031

DST#: 2

ATTN: Mike Davignon

Test Start: 2006.02.12 @ 18:54:41

GENERAL INFORMATION:

Formation: **LKC "F"**

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

Time Tool Opened: **20:37:40**

Time Test Ended: **01:38:40**

Test Type: **Conventional Bottom Hole**

Tester: **Ray Schwager**

Unit No: **28**

Interval: **3435.00 ft (KB) To 3460.00 ft (KB) (TVD)**

Total Depth: **3460.00 ft (KB) (TVD)**

Hole Diameter: **7.85 inches** Hole Condition: **Fair**

Reference Elevations: **2082.00 ft (KB)**

2077.00 ft (CF)

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

Serial #: **8167**

Inside

Press@RunDepth: **140.05 psig @ 3437.01 ft (KB)**

Start Date: **2006.02.12**

End Date:

2006.02.13

Capacity: **7000.00 psig**

Last Calib.: **2006.02.13**

Start Time: **18:54:41**

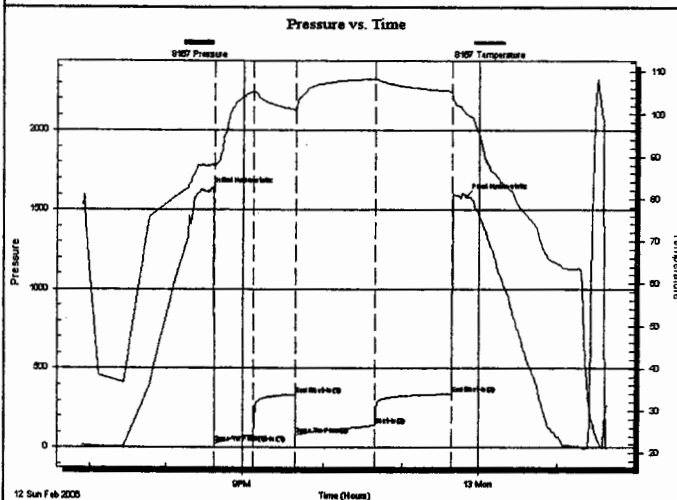
End Time:

01:38:40

Time On Btrn: **2006.02.12 @ 20:33:40**

Time Off Btrn: **2006.02.12 @ 23:49:10**

TEST COMMENT: **IFP-w k bl thru-out 1/2" to 1 1/2" bl
FFP-w k bl thru-out 1/4" to 1" bl
Times 30-30-30-60**



PRESSURE SUMMARY

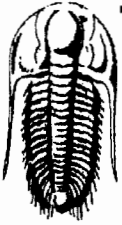
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1613.90	87.96	Initial Hydro-static
4	26.75	87.68	Open To Flow (1)
34	77.02	105.24	Shut-In(1)
65	336.42	101.05	End Shut-In(1)
65	78.73	100.95	Open To Flow (2)
125	140.05	108.26	Shut-In(2)
185	338.55	105.31	End Shut-In(2)
196	1582.13	100.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	SOCMW 3%O 10%M 87%W	1.26
180.00	Water w/show of oil	2.52

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Blake Exploration

Love #1

Box 150
Bogue KS 67625

3-11s-20w Ellis

Job Ticket: 23031 **DST#: 2**

ATTN: Mike Davignon

Test Start: 2006.02.12 @ 18:54:41

Tool Information

Drill Pipe:	Length: 3444.00 ft	Diameter: 3.80 inches	Volume: 48.31 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: 40000.00 lb
			<u>Total Volume: 48.31 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 28000.00 lb
Depth to Top Packer:	3435.00 ft			Final 28000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.02 ft			
Tool Length:	46.02 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			3415.00	
Shut In Tool	5.00			3420.00	
Hydraulic tool	5.00			3425.00	
Packer	5.00			3430.00	21.00 Bottom Of Top Packer
Packer	5.00			3435.00	
Stubb	1.00			3436.00	
Perforations	1.00			3437.00	
Recorder	0.01	8167	Inside	3437.01	
Perforations	20.00			3457.01	
Recorder	0.01	13534	Outside	3457.02	
Bullnose	3.00			3460.02	25.02 Bottom Packers & Anchor

Total Tool Length: 46.02



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Blake Exploration

Love #1

Box 150
Bogue KS 67625

3-11s-20w Ellis

Job Ticket: 23031

DST#: 2

ATTN: Mike Davignon

Test Start: 2006.02.12 @ 18:54:41

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:

63000 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbl

Water Loss: 5.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3600.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	SOCMW 3%O 10%M 87%W	1.262
180.00	Water w/show of oil	2.525

Total Length: 270.00 ft

Total Volume: 3.787 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

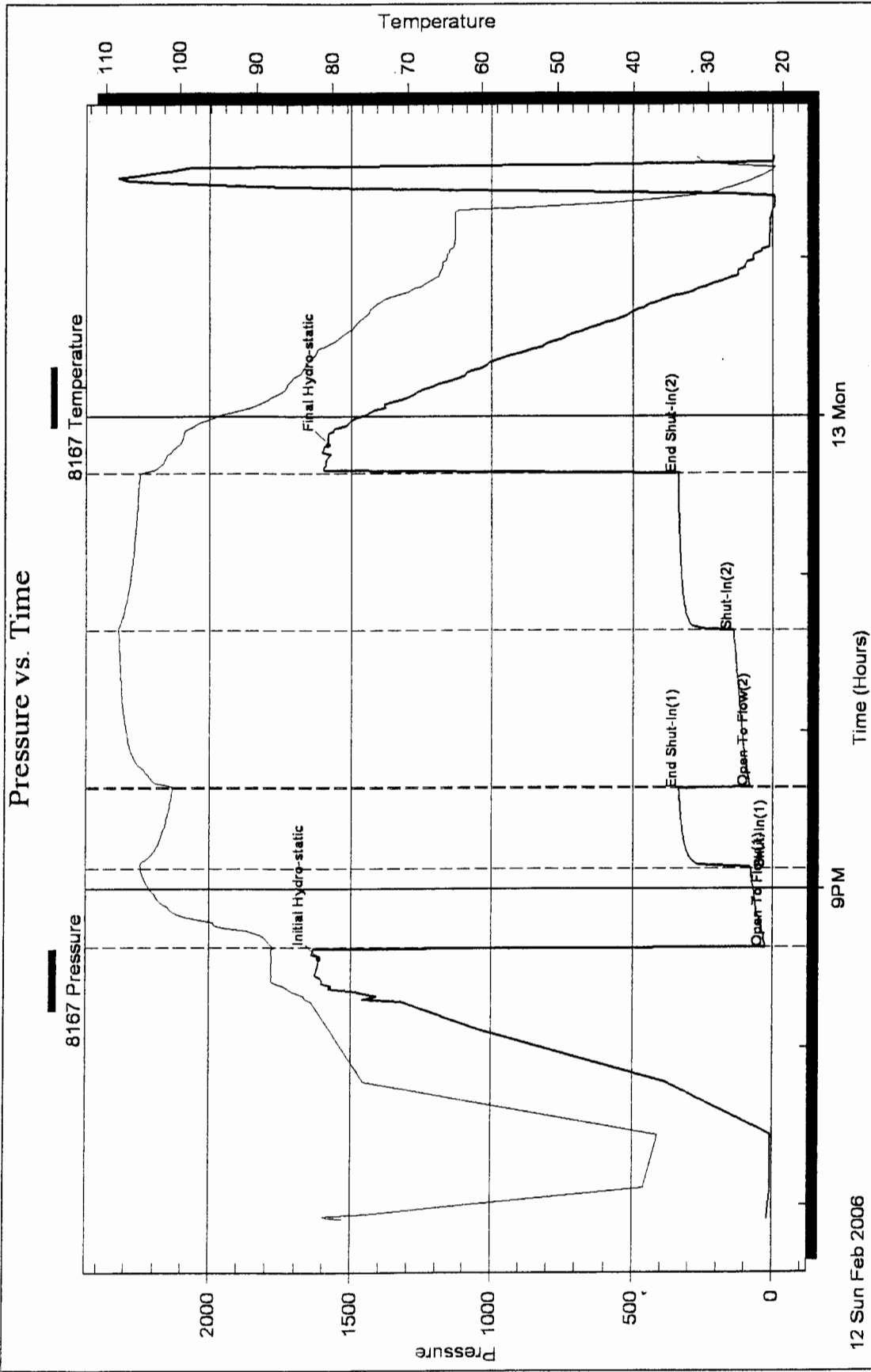
Serial #:

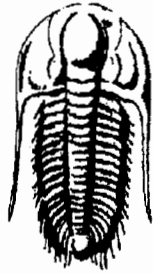
Laboratory Name:

Laboratory Location:

Recovery Comments: RW .28@30

Pressure vs. Time





**TRILOBITE
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DRILL STEM TEST REPORT

Prepared For: **Blake Exploration**

Box 150
Bogue KS 67625

ATTN: Mike Davignon

3-11s-20w Ellis

Love #1

Start Date: 2006.02.22 @ 12:19:06

End Date: 2006.02.22 @ 12:21:06

Job Ticket #: 23624 DST #: 3

Blake Exploration

Love #1

3-11s-20w Ellis

DST # 3

LKC-K

2006.02.22

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Blake Exploration

Love #1

Box 150
Bogue KS 67625

3-11s-20w Ellis

Job Ticket: 23624

DST#: 3

ATTN: Mike Davignon

Test Start: 2006.02.22 @ 12:19:06

Tool Information

Drill Pipe: Length: 3537.00 ft Diameter: 3.80 inches Volume: 49.61 bbl
 Heavy Wt. Pipe: Length: 0.00 ft Diameter: 0.00 inches Volume: 0.00 bbl
 Drill Collar: Length: 0.00 ft Diameter: 0.00 inches Volume: 0.00 bbl
 Total Volume: 49.61 bbl

Tool Weight: 2200.00 lb
 Weight set on Packer: 20000.00 lb
 Weight to Pull Loose: 28000.00 lb
 Tool Chased 0.00 ft
 String Weight: Initial 28000.00 lb
 Final 28000.00 lb

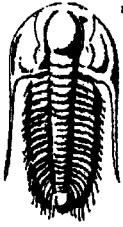
Drill Pipe Above KB: 8.00 ft
 Depth to Top Packer: 3550.00 ft
 Depth to Bottom Packer: ft
 Interval between Packers: 40.02 ft
 Tool Length: 61.02 ft
 Number of Packers: 2 Diameter: 6.75 inches

Tool Comments:

ELECTRONIC RECORDER FAILED
 ATTACHED RECORDER FILE IS INVALID

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3530.00	
Shut In Tool	5.00			3535.00	
Hydraulic tool	5.00			3540.00	
Packer	5.00			3545.00	21.00 Bottom Of Top Packer
Packer	5.00			3550.00	
Stubb	1.00			3551.00	
Perforations	1.00			3552.00	
Recorder	0.01	8167	Inside	3552.01	
Perforations	35.00			3587.01	
Recorder	0.01	13534	Outside	3587.02	
Bullnose	3.00			3590.02	40.02 Bottom Packers & Anchor

Total Tool Length: 61.02



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Blake Exploration

Love #1

Box 150
Bogue KS 67625

3-11s-20w Ellis

Job Ticket: 23624

DST#: 3

ATTN: Mike Davignon

Test Start: 2006.02.22 @ 12:19:06

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: 64.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.36 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2900.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
30.00	M& Wcut Oil 3%w 47%rn50%o	0.421
165.00	Clean 27G oil	2.315
0.00	300 Gip	0.000

Total Length: 195.00 ft

Total Volume: 2.736 bbl

Num Fluid Samples: 0

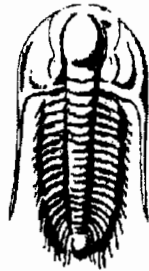
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Blake Exploration**

Box 150
Bogue KS 67625

ATTN: Mike Davignon

3-11s-20w Ellis

Love #1

Start Date: 2006.02.15 @ 21:25:19

End Date: 2006.02.16 @ 04:32:19

Job Ticket #: 23525 DST #: 4

Blake Exploration

Love #1

3-11s-20w Ellis

DST # 4

ARB

2006.02.15

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Blake Exploration

Love #1

Box 150
Bogue KS 67625

3-11s-20w Ellis

Job Ticket: 23525

DST#: 4

ATTN: Mike Davignon

Test Start: 2006.02.15 @ 21:25:19

GENERAL INFORMATION:

Formation: **ARB**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:23:49

Time Test Ended: 04:32:19

Test Type: Conventional Bottom Hole

Tester: Michael Armbrister

Unit No: 1

Interval: **3675.00 ft (KB) To 3689.00 ft (KB) (TVD)**

Reference Elevations: 2082.00 ft (KB)

Total Depth: 3689.00 ft (KB) (TVD)

2077.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Fair

KB to GRVCF: 5.00 ft

Serial #: **8167** Inside

Press@RunDepth: 17.61 psig @ 3677.01 ft (KB)

Capacity: 7000.00 psig

Start Date: 2006.02.15

End Date:

2006.02.16

Last Calib.: 2006.02.16

Start Time: 21:25:20

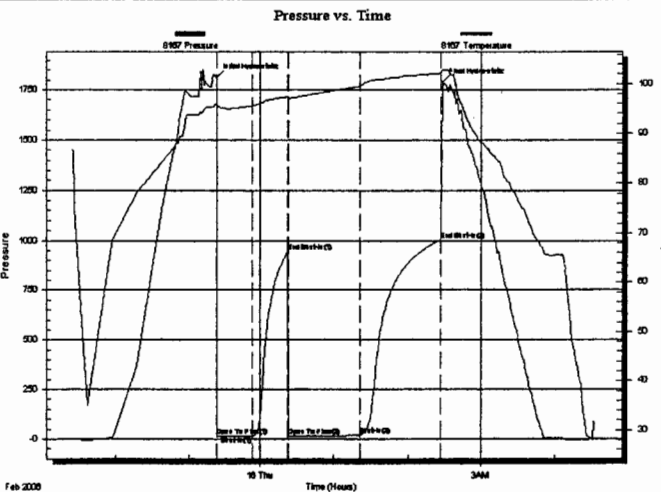
End Time:

04:32:19

Time On Btrt: 2006.02.15 @ 23:23:19

Time Off Btrt: 2006.02.16 @ 02:27:49

TEST COMMENT: IF- 1/2" Blow
IS- no blow
FF- No blow
FSI- No blow



PRESSURE SUMMARY

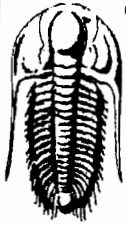
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1814.31	95.89	Initial Hydro-static
1	15.97	95.41	Open To Flow (1)
30	15.83	95.54	Shut-In(1)
59	943.24	97.37	End Shut-In(1)
60	16.38	97.12	Open To Flow (2)
118	17.61	99.54	Shut-In(2)
184	1004.87	102.18	End Shut-In(2)
185	1789.81	102.79	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Tar like oil	0.03
10.00	Drilling mud	0.14

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Blake Exploration

Love #1

Box 150
Bogue KS 67625

3-11s-20w Ellis

Job Ticket: 23525

DST#: 4

ATTN: Mike Davignon

Test Start: 2006.02.15 @ 21:25:19

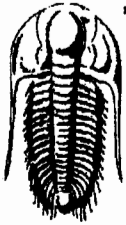
Tool Information

Drill Pipe:	Length: 3660.00 ft	Diameter: 3.80 inches	Volume: 51.34 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: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 280000.0 lb
			<u>Total Volume: 51.34 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 28000.00 lb
Depth to Top Packer:	3675.00 ft			Final 28000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	14.02 ft			
Tool Length:	35.02 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			3655.00	
Shut In Tool	5.00			3660.00	
Hydraulic tool	5.00			3665.00	
Packer	5.00			3670.00	21.00 Bottom Of Top Packer
Packer	5.00			3675.00	
Stubb	1.00			3676.00	
Perforations	1.00			3677.00	
Recorder	0.01	8167	Inside	3677.01	
Perforations	9.00			3686.01	
Recorder	0.01	13534	Outside	3686.02	
Bullnose	3.00			3689.02	14.02 Bottom Packers & Anchor

Total Tool Length: 35.02



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Blake Exploration

Love #1

Box 150
Bogue KS 67625

3-11s-20w Ellis

Job Ticket: 23525

DST#: 4

ATTN: Mike Davignon

Test Start: 2006.02.15 @ 21:25:19

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: 51.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.10 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2900.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
2.00	Tar like oil	0.028
10.00	Drilling mud	0.140

Total Length: 12.00 ft

Total Volume: 0.168 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

