

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Berexco LLC**

PO Box 20380
Wichita KS 67208

ATTN: Ganganath

35 21 23 Hodgeman KS

Christie 1-35

Start Date: 2010.05.13 @ 19:38:13

End Date: 2010.05.14 @ 05:22:43

Job Ticket #: 38587 DST #: 1

KCC
JUN 22 2010
CONFIDENTIAL

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

RECEIVED
JUN 23 2010
KCC WICHITA

Berexco LLC

Christie 1-35

35 21 23 Hodgeman KS

DST # 1

Miss.

2010.05.13



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Berexco LLC

Christie 1-35

PO Box 20380
Wichita KS 67208

35 21 23 Hodgeman KS

Job Ticket: 38587 DST#: 1

ATTN: Ganganath

Test Start: 2010.05.13 @ 19:38:13

GENERAL INFORMATION:

Formation: **Miss.**
 Deviated: **No** Whipstock: ft (KB)
 Time Tool Opened: 23:16:43
 Time Test Ended: 05:22:43

Test Type: Conventional Bottom Hole
 Tester: Brett Dickinson/Jeff
 Unit No: 47

Interval: **4492.00 ft (KB) To 4540.00 ft (KB) (TVD)**
 Total Depth: 4540.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2302.00 ft (KB)
 2290.00 ft (CF)
 KB to GR/CF: 12.00 ft

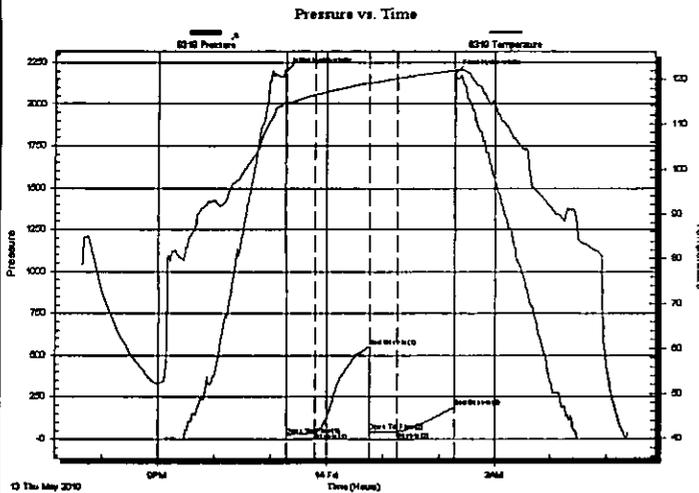
Serial #: 8319

Inside

Press@RunDepth: 46.31 psig @ 4500.00 ft (KB)
 Start Date: 2010.05.13 End Date: 2010.05.14
 Start Time: 19:38:18 End Time: 05:22:43

Capacity: 8000.00 psig
 Last Calib.: 2010.05.14
 Time On Btm: 2010.05.13 @ 23:16:13
 Time Off Btm: 2010.05.14 @ 02:17:42

TEST COMMENT: IFF-Weak blow built to 1 1/4 in
 ISI-Dead no blow back
 FFP- Dead no blow
 FSI-Dead no blow back



PRESSURE SUMMARY

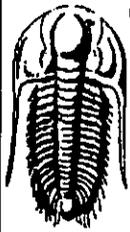
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2197.92	114.97	Initial Hydro-static
1	25.54	114.02	Open To Flow (1)
32	38.40	116.47	Shut-In(1)
89	553.28	119.28	End Shut-In(1)
90	43.90	119.04	Open To Flow (2)
120	46.31	120.26	Shut-In(2)
181	187.61	122.11	End Shut-In(2)
182	2183.77	122.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	MCGO20%M5%G75%O	0.01
22.00	OCM10%O90%M	0.11
10.00	HOCGM40%O5%G55%M	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Berexco LLC

Christie 1-35

PO Box 20380
Wichita KS 67208

35 21 23 Hodgeman KS

Job Ticket: 38587

DST#: 1

ATTN: Ganganath

Test Start: 2010.05.13 @ 19:38:13

Tool Information

Drill Pipe:	Length: 3787.00 ft	Diameter: 3.80 inches	Volume: 53.12 bbl	Tool Weight: 2500.00 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: 691.00 ft	Diameter: 2.25 inches	Volume: 3.40 bbl	Weight to Pull Loose: 108000.0 lb
			<u>Total Volume: 56.52 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 100000.0 lb
Depth to Top Packer:	4492.00 ft			Final 100000.0 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	48.00 ft			
Tool Length:	75.00 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			4466.00	
Shut In Tool	5.00			4471.00	
Hydraulic tool	5.00			4476.00	
Jars	4.00			4480.00	
Safety Joint	3.00			4483.00	
Packer	4.00			4487.00	27.00 Bottom Of Top Packer
Packer	5.00			4492.00	
Stubb	1.00			4493.00	
Perforations	7.00			4500.00	
Recorder	0.00	8319	Inside	4500.00	
Recorder	0.00	6719	Inside	4500.00	
Change Over Sub	1.00			4501.00	
Blank Spacing	32.00			4533.00	
Change Over Sub	1.00			4534.00	
Perforations	3.00			4537.00	
Bullnose	3.00			4540.00	48.00 Bottom Packers & Anchor
Total Tool Length:	75.00				



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FLUID SUMMARY

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Christie 1-35

PO Box 20380
Wichita KS 67208

35 21 23 Hodgeman KS

Job Ticket: 38587

DST#: 1

ATTN: Ganganath

Test Start: 2010.05.13 @ 19:38:13

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 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
3.00	MCO20%M5%G75%O	0.015
22.00	OCM10%O90%M	0.108
10.00	HOCGM40%O5%G55%M	0.049

Total Length: 35.00 ft

Total Volume: 0.172 bbl

Num Fluid Samples: 0

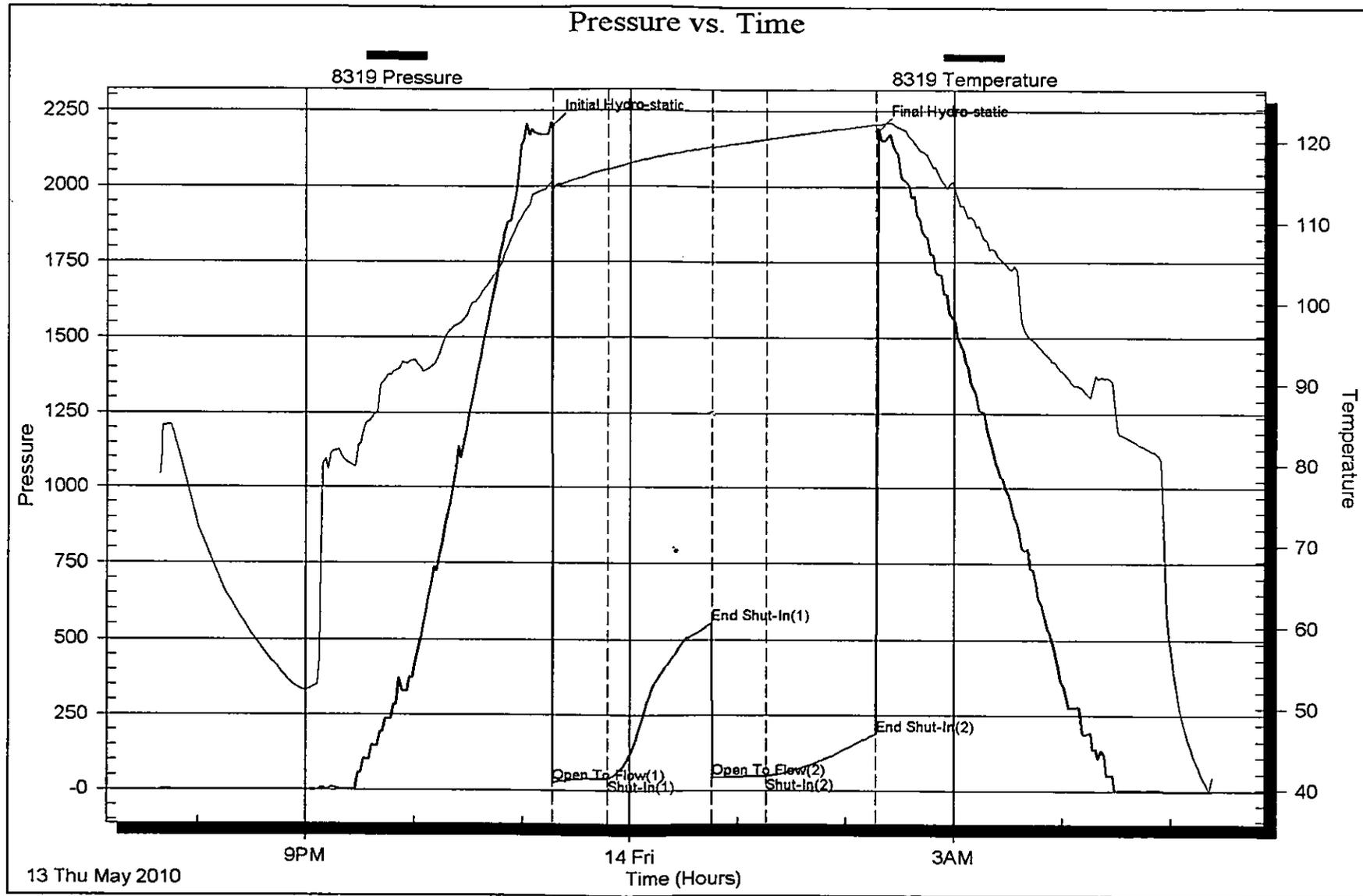
Num Gas Bombs: 0

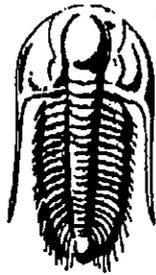
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





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DRILL STEM TEST REPORT

Prepared For: **Berexco LLC**

PO Box 20380
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ATTN: Ganganath

35 21 23 Hodgeman KS

Christie 1-35

Start Date: 2010.05.14 @ 15:02:14

End Date: 2010.05.14 @ 23:09:14

Job Ticket #: 38613 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Berexco LLC

Christie 1-35

35 21 23 Hodgeman KS

DST # 2

Miss

2010.05.14



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Berexco LLC

Christie 1-35

PO Box 20380
Wichita KS 67208

35 21 23 Hodgeman KS

Job Ticket: 38613

DST#: 2

ATTN: Ganganath

Test Start: 2010.05.14 @ 15:02:14

GENERAL INFORMATION:

Formation: **Miss**

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

Time Tool Opened: 17:29:44

Time Test Ended: 23:09:14

Test Type: Conventional Bottom Hole

Tester: Jeff Brown

Unit No: 47

Interval: **4542.00 ft (KB) To 4550.00 ft (KB) (TVD)**

Reference Elevations: 2302.00 ft (KB)

Total Depth: 4550.00 ft (KB) (TVD)

2290.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 12.00 ft

Serial #: **8319**

Inside

Press@RunDepth: 29.65 psig @ 4543.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.05.14

End Date: 2010.05.14

Last Calib.: 2010.05.14

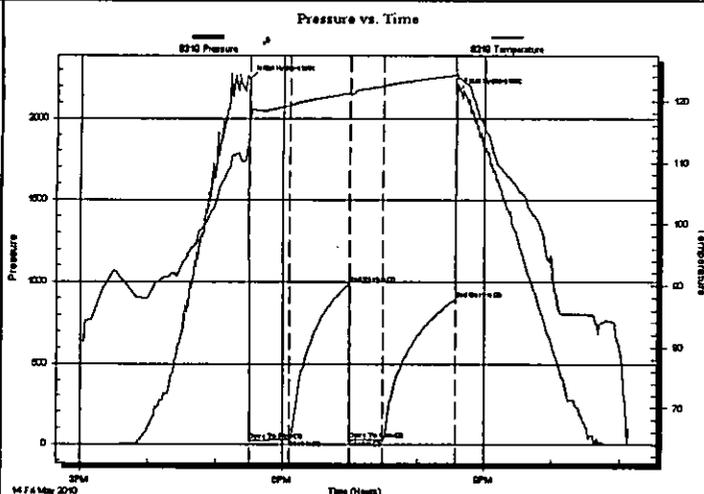
Start Time: 15:02:19

End Time: 23:09:13

Time On Btm: 2010.05.14 @ 17:29:14

Time Off Btm: 2010.05.14 @ 20:34:44

TEST COMMENT: IFP-Weak blow built to 1/4 in
ISI-Dead no blow back
FFP-Dead no blow
FSI-Dead no blow back



PRESSURE SUMMARY

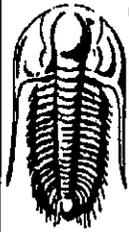
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2240.90	116.40	Initial Hydro-static
1	27.60	116.86	Open To Flow (1)
37	30.50	119.32	Shut-In (1)
90	985.61	121.32	End Shut-In (1)
91	30.12	121.11	Open To Flow (2)
121	29.65	122.50	Shut-In (2)
185	894.74	124.23	End Shut-In (2)
186	2161.28	124.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
8.00	VSOCV2%O98%M	0.04

Gas Rates

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



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TOOL DIAGRAM

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DST#: 2

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Test Start: 2010.05.14 @ 15:02:14

Tool Information

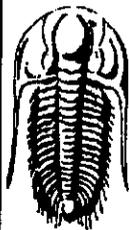
Drill Pipe:	Length: 3848.00 ft	Diameter: 3.80 inches	Volume: 53.98 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 691.00 ft	Diameter: 2.25 inches	Volume: 3.40 bbl	Weight to Pull Loose: 120000.0 lb
			<u>Total Volume: 57.38 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 104000.0 lb
Depth to Top Packer:	4542.00 ft			Final 104000.0 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	8.00 ft			
Tool Length:	35.00 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			4516.00	
Shut In Tool	5.00			4521.00	
Hydraulic tool	5.00			4526.00	
Jars	4.00			4530.00	
Safety Joint	3.00			4533.00	
Packer	4.00			4537.00	27.00 Bottom Of Top Packer
Packer	5.00			4542.00	
Stubb	1.00			4543.00	
Recorder	0.00	8319	Inside	4543.00	
Recorder	0.00	6719	Inside	4543.00	
Perforations	4.00			4547.00	
Bullnose	3.00			4550.00	8.00 Bottom Packers & Anchor

Total Tool Length: 35.00



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Job Ticket: 38613

DST#: 2

ATTN: Ganganath

Test Start: 2010.05.14 @ 15:02:14

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 58.00 sec/qt
Water Loss: 15.98 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: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
8.00	VSOCM2%O98%M	0.039

Total Length: 8.00 ft Total Volume: 0.039 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

