



DRILL STEM TEST REPORT

Prepared For: **Berexco LLC.**

2020 N. Bramblewood
Wichita, KS 67202

ATTN: Bryan Bynog

Ivalee #1-16

16-1s-37w Cheyenne,KS

Start Date: 2013.04.04 @ 01:30:00

End Date: 2013.04.04 @ 11:34:30

Job Ticket #: 50599 DST #: 2

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

Berexco LLC.

16-1s-37w Cheyenne,KS

2020 N. Bramblewood
Wichita, KS 67202

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Job Ticket: 50599

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Test Start: 2013.04.04 @ 01:30:00

GENERAL INFORMATION:

Formation: **LKC-C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:53:00

Time Test Ended: 11:34:30

Test Type: Conventional Bottom Hole (Reset)

Tester: 61

Unit No: Chuck Kreuzer

Interval: 4252.00 ft (KB) To 4310.00 ft (KB) (TVD)

Reference Elevations: 3196.00 ft (KB)

Total Depth: 4310.00 ft (KB) (TVD)

3186.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8791

Inside

Press @ Run Depth: 35.65 psig @ 4253.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.04.04

End Date:

2013.04.04

Last Calib.: 2013.04.04

Start Time: 01:30:01

End Time:

11:34:30

Time On Btm: 2013.04.04 @ 04:51:30

Time Off Btm: 2013.04.04 @ 09:08:30

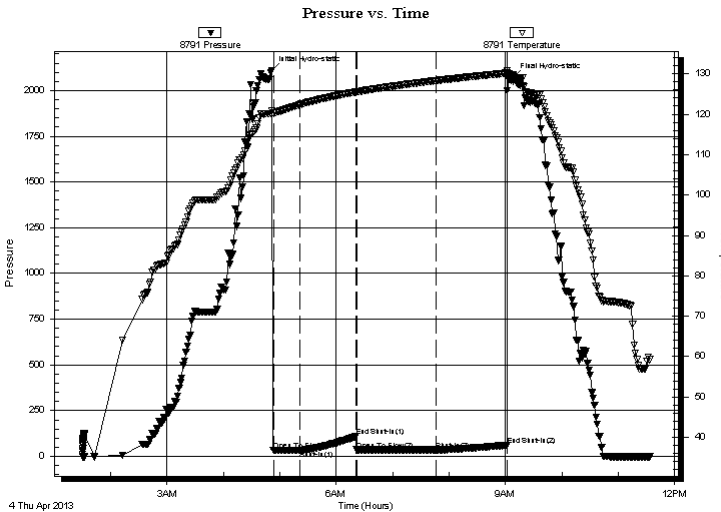
TEST COMMENT: IF: Weak Blow, surface blow Died in 16 mins.

IS: No blow back

FF: No blow

FS: No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2110.20	120.74	Initial Hydro-static
2	32.99	120.31	Open To Flow (1)
30	33.91	122.40	Shut-In(1)
89	107.95	125.50	End Shut-In(1)
90	34.97	125.52	Open To Flow (2)
175	35.65	128.31	Shut-In(2)
250	60.95	130.17	End Shut-In(2)
257	2073.08	129.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud-100%	0.05

* Recovery from multiple tests

Gas Rates

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



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TOOL DIAGRAM

Berexco LLC.

16-1s-37w Cheyenne,KS

2020 N. Bramblewood
Wichita, KS 67202

Ivalee #1-16

Job Ticket: 50599

DST#: 2

ATTN: Bryan Bynog

Test Start: 2013.04.04 @ 01:30:00

Tool Information

Drill Pipe:	Length: 3634.00 ft	Diameter: 3.80 inches	Volume: 50.98 bbl	Tool Weight: 2500.00 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: 600.00 ft	Diameter: 2.25 inches	Volume: 2.95 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 53.93 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 63000.00 lb
Depth to Top Packer:	4252.00 ft			Final 63000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	58.00 ft			
Tool Length:	86.00 ft			
Number of Packers:	2	Diameter: 6.25 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			4229.00	
Hydraulic tool	5.00			4234.00	
Jars	5.00			4239.00	
Safety Joint	3.00			4242.00	
Packer	5.00			4247.00	28.00 Bottom Of Top Packer
Packer	5.00			4252.00	
Packer - Shale	0.00			4252.00	
Stubb	1.00			4253.00	
Recorder	0.00	8791	Inside	4253.00	
Recorder	0.00	8651	Outside	4253.00	
Perforations	1.00			4254.00	
change Over Sub	1.00			4255.00	
Drill Pipe	31.00			4286.00	
Change Over Sub	1.00			4287.00	
Perforations	20.00			4307.00	
Bullnose	3.00			4310.00	58.00 Bottom Packers & Anchor
Total Tool Length:	86.00				



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FLUID SUMMARY

Berexco LLC.

16-1s-37w Cheyenne,KS

2020 N. Bramblewood
Wichita, KS 67202

Ivaley #1-16

Job Ticket: 50599

DST#: 2

ATTN: Bryan Bynog

Test Start: 2013.04.04 @ 01:30:00

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:

bbbl

Water Loss: 7.16 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud-100%	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

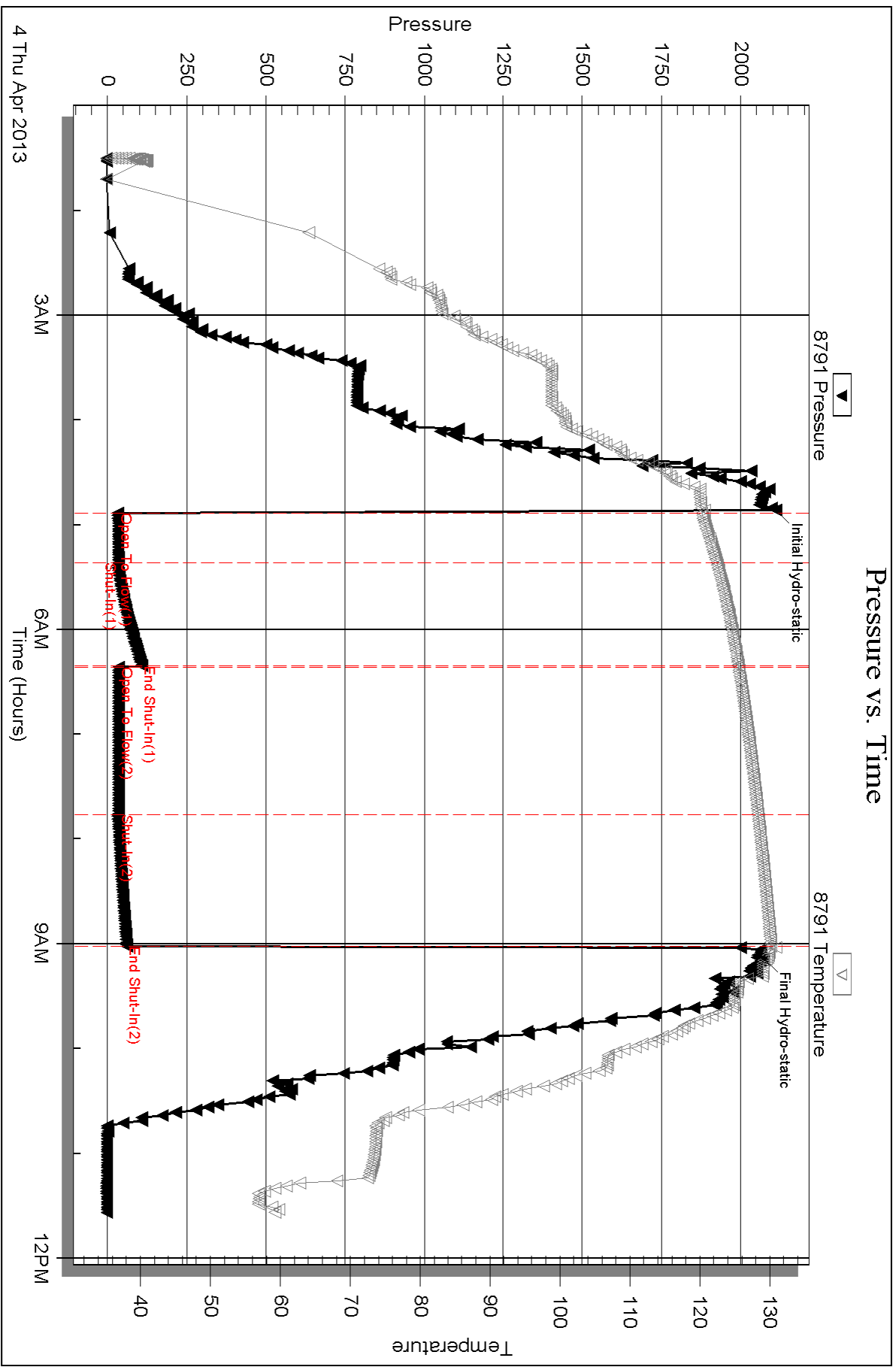
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

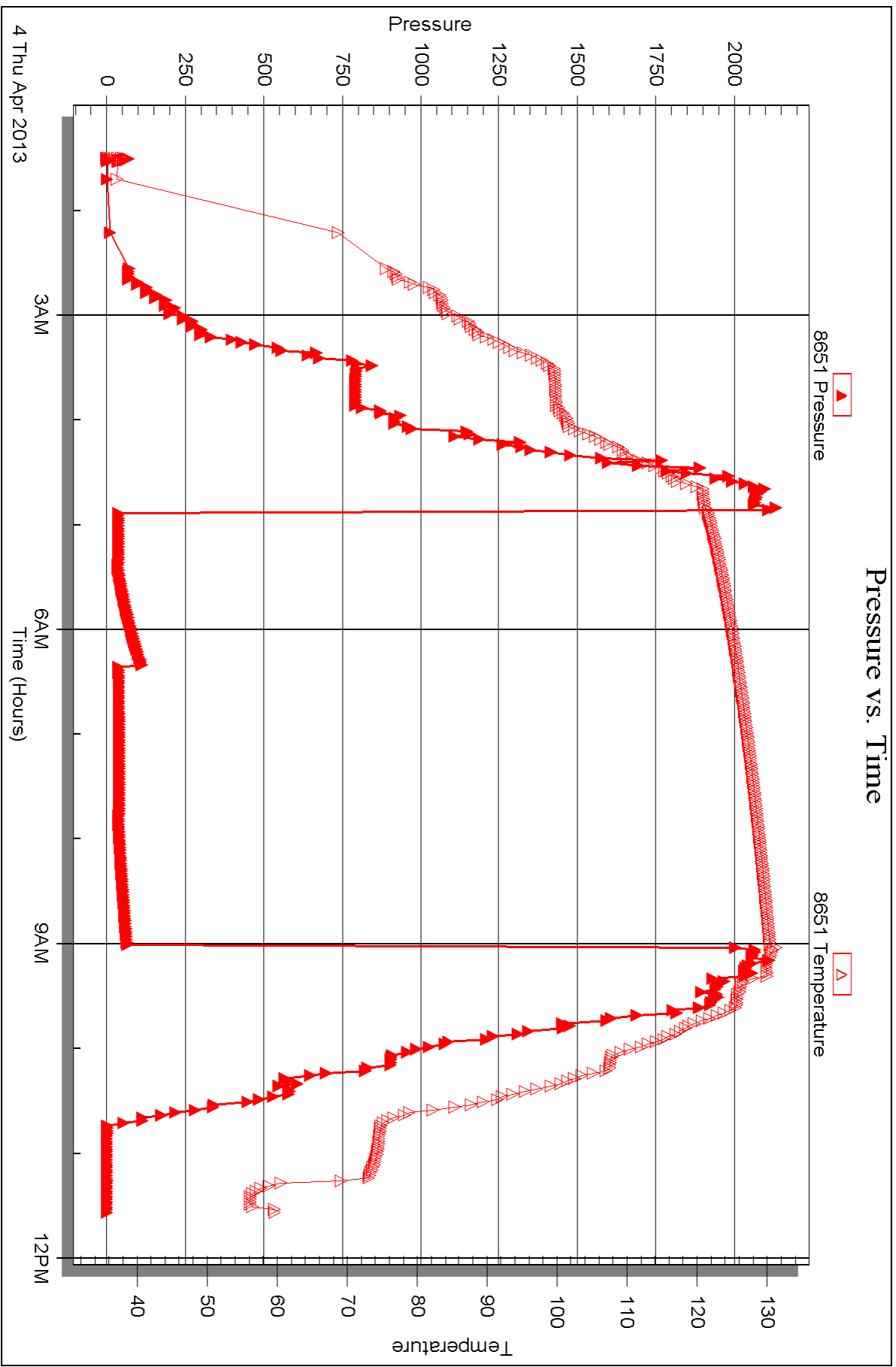


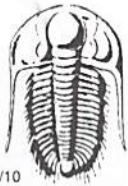
Serial #: 8651

Outside Berexco LLC.

Walee #1-16

DST Test Number: 2





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 50599

4/10

Well Name & No. Iva Lee #1-16 Test No. 2 Date 4-4-2013
 Company Berexco LLC Elevation 3196 KB 3186 GL
 Address 2020 N. Bramblewood Wichita Ks 67206
 Co. Rep / Geo. Bryan Byrd Rig Berexco #10
 Location: Sec. 16 Twp. 15 Rge. 37W Co. Ondy State Ne.

Interval Tested 4252 4310 Zone Tested LKCC
 Anchor Length 58 Drill Pipe Run 3634 Mud Wt. 9.4
 Top Packer Depth 4247 Drill Collars Run 592 ft. Vis 44
 Bottom Packer Depth 4252 Wt. Pipe Run - 0- WL 6.8
 Total Depth 4310 Chlorides 2200 ppm System LCM trace

Blow Description IF: Weak blow surface, Blow died in 16 mins.

ISF: No blow back over 60 mins.

FF: No blow

FSI: No blow back over 90 mins.

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>Mud</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 10 BHT 128 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic	<u>2110</u>	<input checked="" type="checkbox"/> Test	<u>1250</u>	T-On Location	<u>1:12</u>
(B) First Initial Flow	<u>33</u>	<input checked="" type="checkbox"/> Jars	<u>250</u>	T-Started	<u>1:30</u>
(C) First Final Flow	<u>34</u>	<input checked="" type="checkbox"/> Safety Joint	<u>75</u>	T-Open	<u>4:53</u>
(D) Initial Shut-In	<u>108</u>	<input type="checkbox"/> Circ Sub		T-Pulled	<u>9:00</u>
(E) Second Initial Flow	<u>35</u>	<input type="checkbox"/> Hourly Standby		T-Out	<u>11:34</u>
(F) Second Final Flow	<u>36</u>	<input checked="" type="checkbox"/> Mileage	<u>78 x 2.006 = 176 x 1.55</u> 241.80	Comments	
(G) Final Shut-In	<u>61</u>	<input type="checkbox"/> Sampler			
(H) Final Hydrostatic	<u>2073</u>	<input type="checkbox"/> Straddle		<input checked="" type="checkbox"/> Ruined Shale Packer	<u>350</u>

Initial Open	<u>30</u>	<input type="checkbox"/> Extra Packer		<input type="checkbox"/> Ruined Packer	
Initial Shut-In	<u>60</u>	<input type="checkbox"/> Extra Recorder		Sub Total	<u>350</u>
Final Flow	<u>60</u>	<input type="checkbox"/> Day Standby		Total	<u>2416.80</u>
Final Shut-In	<u>90</u>	<input type="checkbox"/> Accessibility		MP/DST Disc't	
		Sub Total	<u>2066.80</u>		

Approved By _____ Our Representative Charles Byrd

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