



DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

370 W Wichita Ave
Russell KS 67665

ATTN: Austin Klaus

Odle #1

36-5s-18w Phillips,KS

Start Date: 2014.04.25 @ 13:38:03

End Date: 2014.04.25 @ 19:01:33

Job Ticket #: 57569 DST #: 1

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

Printed: 2014.04.29 @ 14:17:28



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

John O Farmer Inc

36-5s-18w Phillips,KS

370 W Wichita Ave
Russell KS 67665

Odle #1

Job Ticket: 57569

DST#: 1

ATTN: Austin Klaus

Test Start: 2014.04.25 @ 13:38:03

GENERAL INFORMATION:

Formation: **LKC "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:46:33

Time Test Ended: 19:01:33

Test Type: Conventional Bottom Hole (Initial)

Tester: Tate Lang

Unit No: 49

Interval: 3093.00 ft (KB) To 3120.00 ft (KB) (TVD)

Reference Elevations: 1894.00 ft (KB)

Total Depth: 3120.00 ft (KB) (TVD)

1889.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8898 Outside

Press@RunDepth: 167.42 psig @ 3094.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.04.25

End Date:

2014.04.25

Last Calib.:

2014.04.26

Start Time: 13:38:04

End Time:

19:01:33

Time On Btm:

2014.04.25 @ 15:46:13

Time Off Btm:

2014.04.25 @ 17:47:23

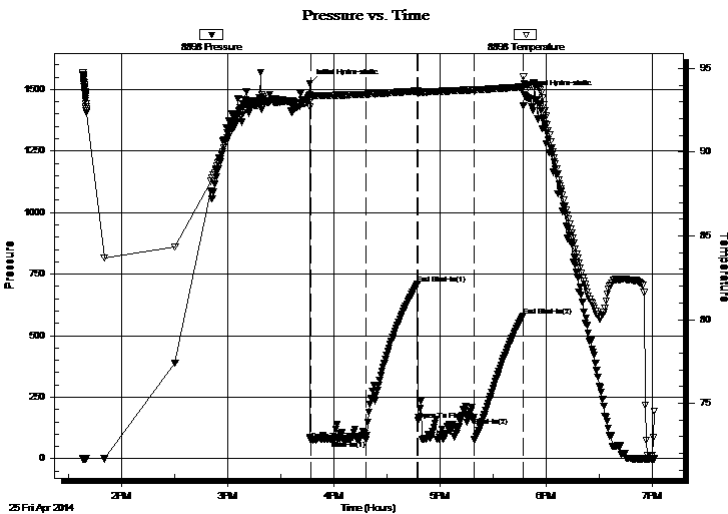
TEST COMMENT: Weak surface blow built to 1/2"

Dead no blow back

Dead no blow

Dead no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1523.82	93.42	Initial Hydro-static
1	76.57	93.11	Open To Flow (1)
32	76.23	93.44	Shut-In(1)
61	709.58	93.65	End Shut-In(1)
62	154.56	93.49	Open To Flow (2)
93	167.42	93.72	Shut-In(2)
121	580.95	93.89	End Shut-In(2)
122	1478.20	94.08	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	100%M With oil spots	0.59

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc

36-5s-18w Phillips,KS

370 W Wichita Ave
Russell KS 67665

Odle #1

Job Ticket: 57569

DST#: 1

ATTN: Austin Klaus

Test Start: 2014.04.25 @ 13:38:03

Tool Information

Drill Pipe:	Length: 2984.00 ft	Diameter: 3.80 inches	Volume: 41.86 bbl	Tool Weight: 2000.00 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 40000.00 lb
			<u>Total Volume: 42.45 bbl</u>	Tool Chased 10.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 30000.00 lb
Depth to Top Packer:	3093.00 ft			Final 32000.00 lb
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
Shut In Tool	5.00			3078.00	
Hydraulic tool	5.00			3083.00	
Packer	5.00			3088.00	20.00 Bottom Of Top Packer
Packer	5.00			3093.00	
Stubb	1.00			3094.00	
Recorder	0.00	8897	Inside	3094.00	
Recorder	0.00	8898	Outside	3094.00	
Perforations	23.00			3117.00	
Bullnose	3.00			3120.00	27.00 Bottom Packers & Anchor
Total Tool Length:	47.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

36-5s-18w Phillips,KS

370 W Wichita Ave
Russell KS 67665

Odle #1

Job Ticket: 57569

DST#: 1

ATTN: Austin Klaus

Test Start: 2014.04.25 @ 13:38:03

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: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	100%M With oil spots	0.590

Total Length: 120.00 ft Total Volume: 0.590 bbl

Num Fluid Samples: 0

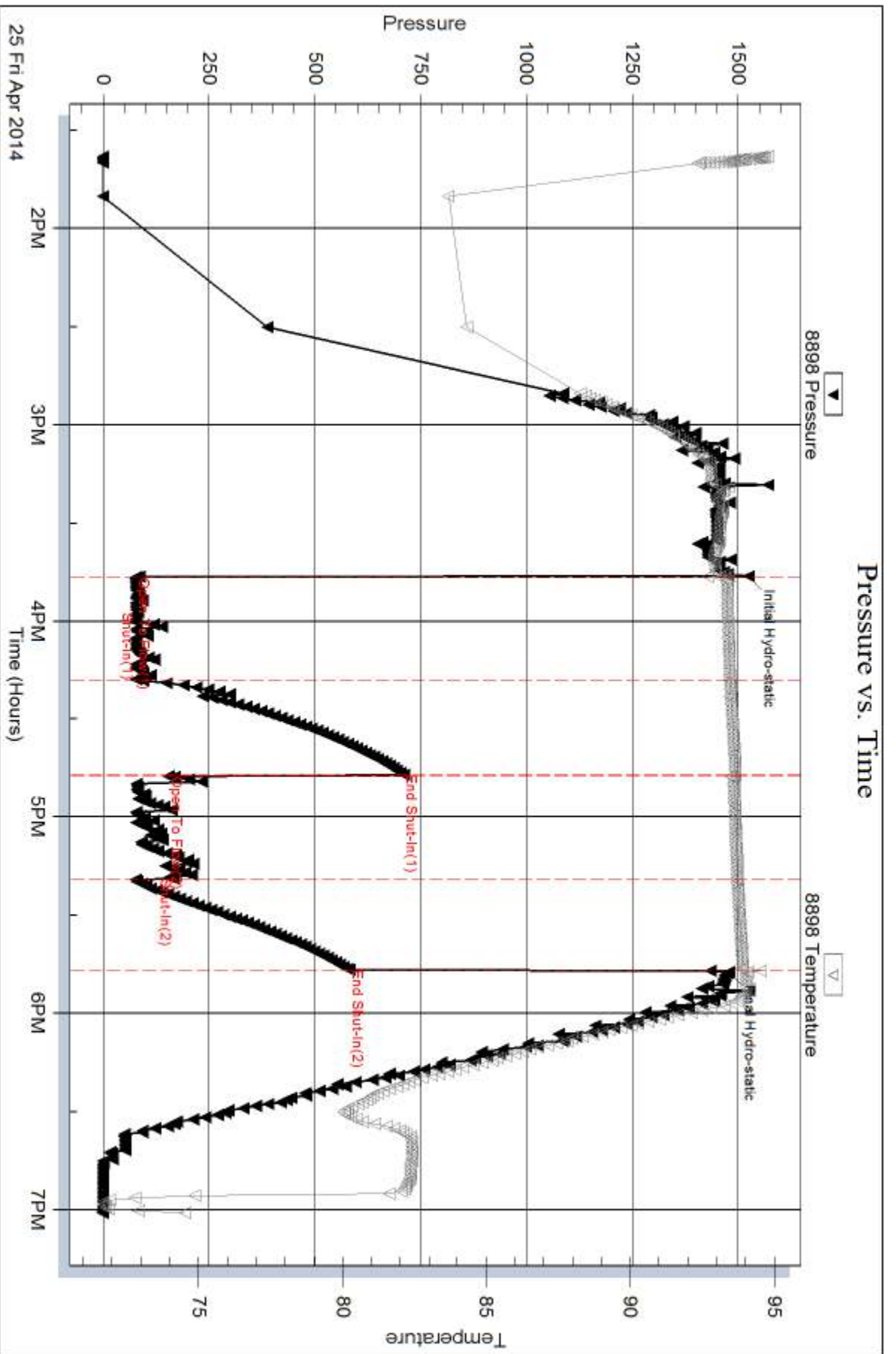
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



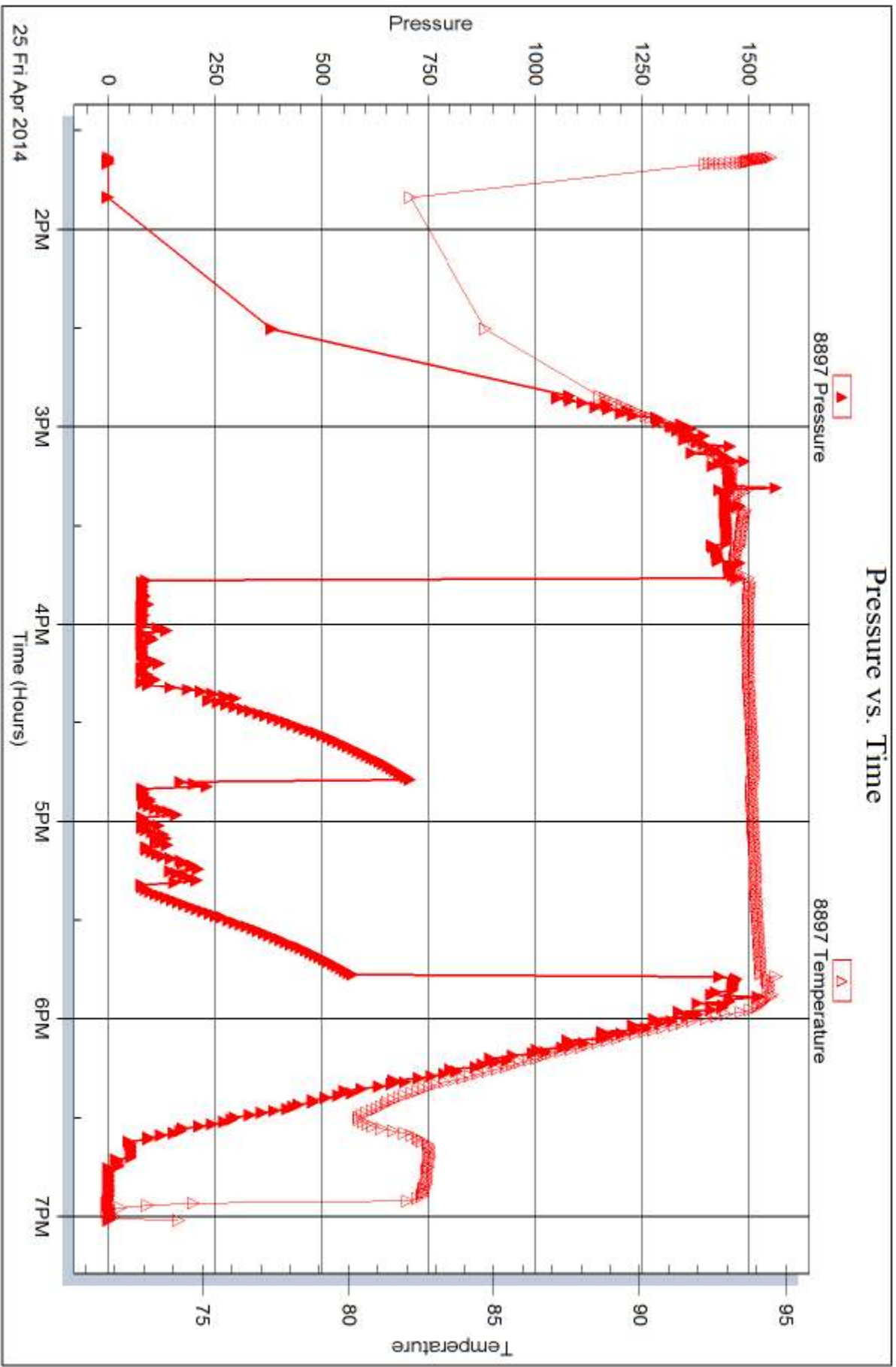
Serial #: 8897

Inside

John O Farmer Inc

Odle #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 57569

Printed: 2014.04.29 @ 14:17:30



DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

370 W Wichita Ave
Russell KS 67665

ATTN: Austin Klaus

Odle #1

36-5s-18w Phillips,KS

Start Date: 2014.04.26 @ 03:47:23

End Date: 2014.04.26 @ 08:46:32

Job Ticket #: 57570 DST #: 2

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

Printed: 2014.04.29 @ 14:17:08

John O Farmer Inc 36-5s-18w Phillips,KS Odle #1 DST # 2 LKC "C" 2014.04.26



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

John O Farmer Inc

36-5s-18w Phillips,KS

370 W Wichita Ave
Russell KS 67665

Odle #1

Job Ticket: 57570

DST#: 2

ATTN: Austin Klaus

Test Start: 2014.04.26 @ 03:47:23

GENERAL INFORMATION:

Formation: **LKC "C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:36:33

Time Test Ended: 08:46:32

Test Type: Conventional Bottom Hole (Reset)

Tester: Tate Lang

Unit No: 49

Interval: 3130.00 ft (KB) To 3166.00 ft (KB) (TVD)

Reference Elevations: 1894.00 ft (KB)

Total Depth: 3166.00 ft (KB) (TVD)

1889.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8898 Outside

Press@RunDepth: 12.24 psig @ 3131.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.04.26

End Date:

2014.04.26

Last Calib.: 2014.04.26

Start Time: 03:47:24

End Time:

08:46:33

Time On Btm: 2014.04.26 @ 05:36:13

Time Off Btm: 2014.04.26 @ 07:37:13

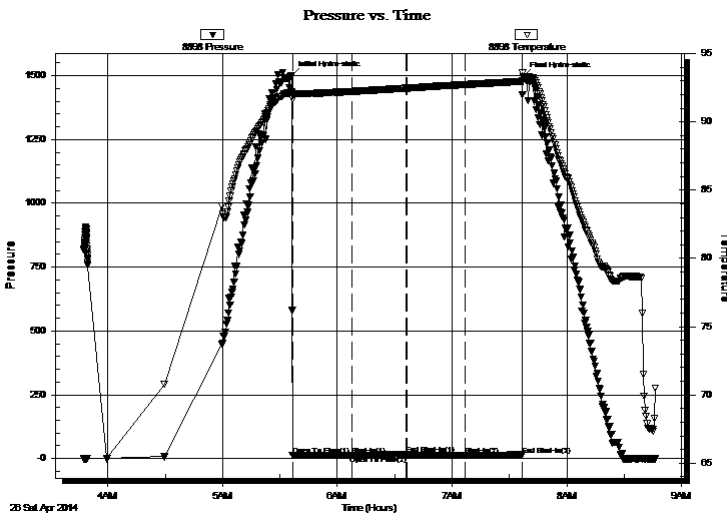
TEST COMMENT: Weak surface blow built to 1/4"

Dead no blow

Dead no blow

Dead no blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1501.05	92.19	Initial Hydro-static
1	12.71	91.67	Open To Flow (1)
32	11.91	92.22	Shut-In(1)
60	15.73	92.47	End Shut-In(1)
60	12.13	92.47	Open To Flow (2)
91	12.24	92.73	Shut-In(2)
121	14.73	92.97	End Shut-In(2)
121	1494.94	93.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	100%m	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc

36-5s-18w Phillips,KS

370 W Wichita Ave
Russell KS 67665

Odle #1

Job Ticket: 57570

DST#: 2

ATTN: Austin Klaus

Test Start: 2014.04.26 @ 03:47:23

Tool Information

Drill Pipe:	Length: 3018.00 ft	Diameter: 3.80 inches	Volume: 42.33 bbl	Tool Weight:	2000.00 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	44000.00 lb
			<u>Total Volume: 42.92 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial	33000.00 lb
Depth to Top Packer:	3130.00 ft			Final	33000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	36.00 ft				
Tool Length:	56.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3115.00	
Hydraulic tool	5.00			3120.00	
Packer	5.00			3125.00	20.00 Bottom Of Top Packer
Packer	5.00			3130.00	
Stubb	1.00			3131.00	
Recorder	0.00	8897	Inside	3131.00	
Recorder	0.00	8898	Outside	3131.00	
Perforations	32.00			3163.00	
Bullnose	3.00			3166.00	36.00 Bottom Packers & Anchor
Total Tool Length:	56.00				



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

36-5s-18w Phillips,KS

370 W Wichita Ave
Russell KS 67665

Odle #1

Job Ticket: 57570

DST#: 2

ATTN: Austin Klaus

Test Start: 2014.04.26 @ 03:47:23

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: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	100%m	0.005

Total Length: 1.00 ft Total Volume: 0.005 bbl

Num Fluid Samples: 0

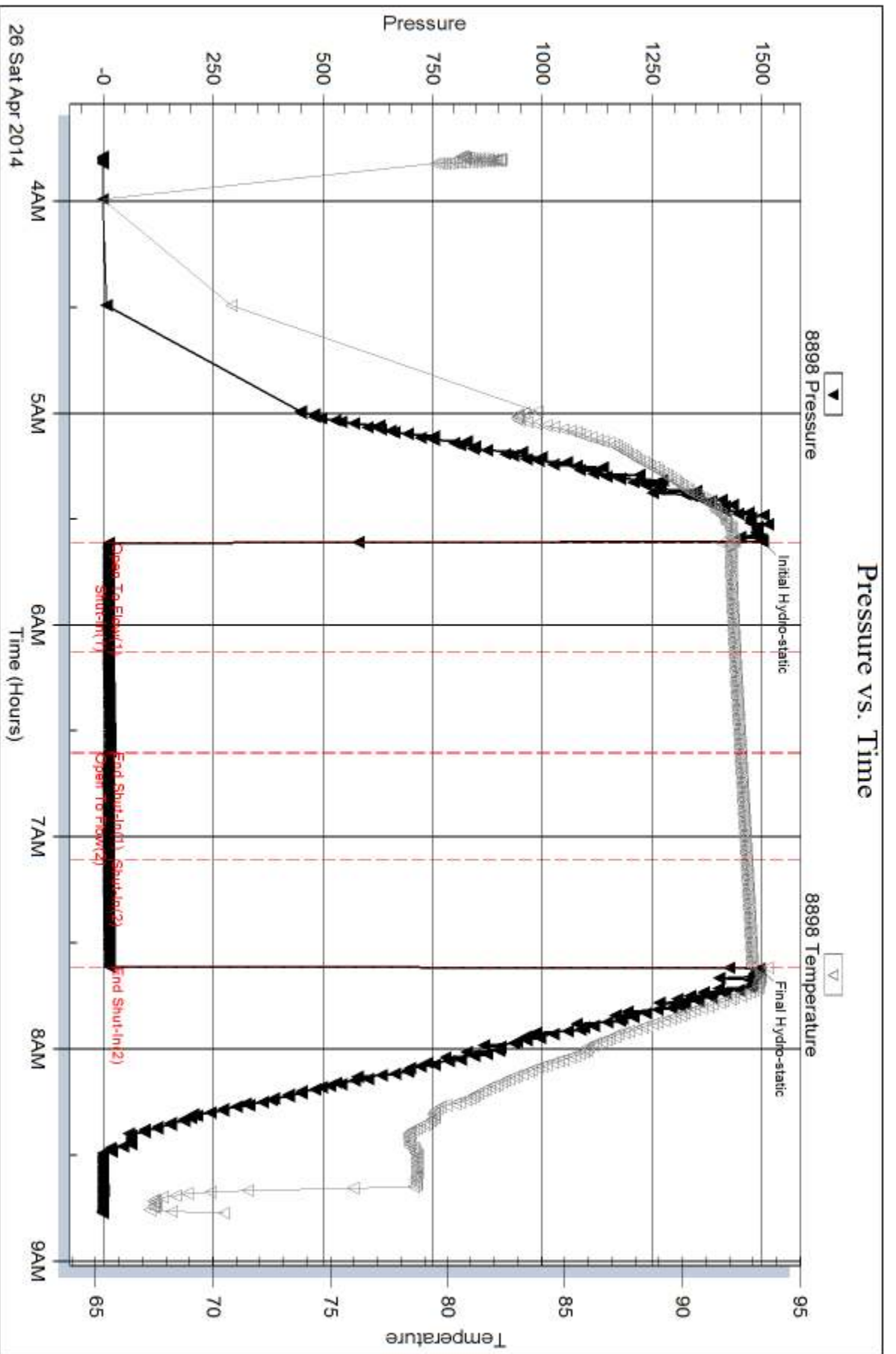
Num Gas Bombs: 0

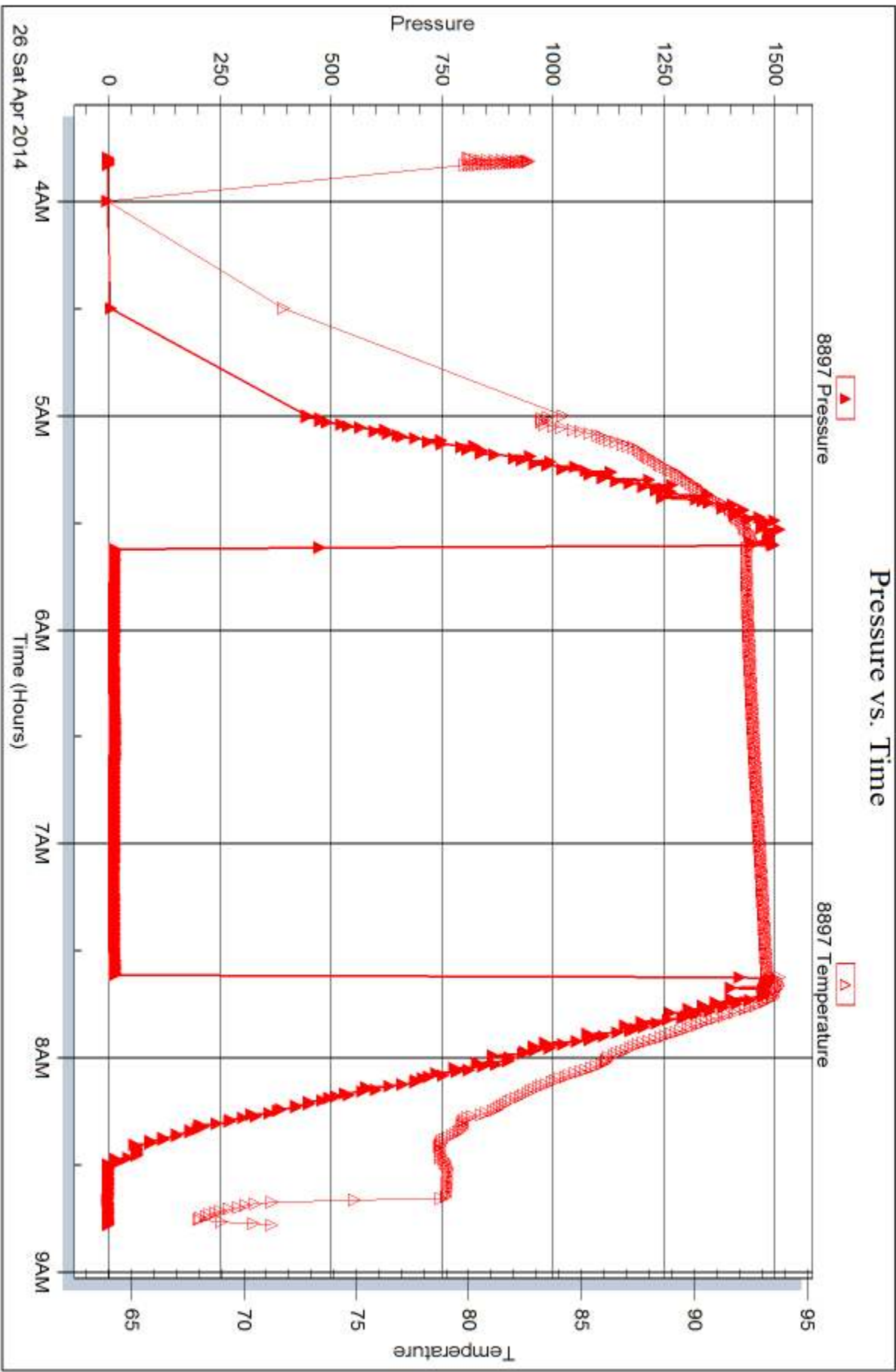
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

370 W Wichita Ave
Russell KS 67665

ATTN: Austin Klaus

Odle #1

36-5s-18w Phillips,KS

Start Date: 2014.04.26 @ 17:22:25

End Date: 2014.04.26 @ 22:27:34

Job Ticket #: 57571 DST #: 3

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

Printed: 2014.04.29 @ 14:16:43



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

John O Farmer Inc

36-5s-18w Phillips,KS

370 W Wichita Ave
Russell KS 67665

Odle #1

Job Ticket: 57571

DST#: 3

ATTN: Austin Klaus

Test Start: 2014.04.26 @ 17:22:25

GENERAL INFORMATION:

Formation: **LKC "E-G"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:07:45

Time Test Ended: 22:27:34

Test Type: Conventional Bottom Hole (Reset)

Tester: Tate Lang

Unit No: 49

Interval: 3174.00 ft (KB) To 3228.00 ft (KB) (TVD)

Reference Elevations: 1894.00 ft (KB)

Total Depth: 3228.00 ft (KB) (TVD)

1889.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8898 Outside

Press@RunDepth: 16.25 psig @ 3175.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.04.26

End Date: 2014.04.26

Last Calib.: 2014.04.26

Start Time: 17:22:26

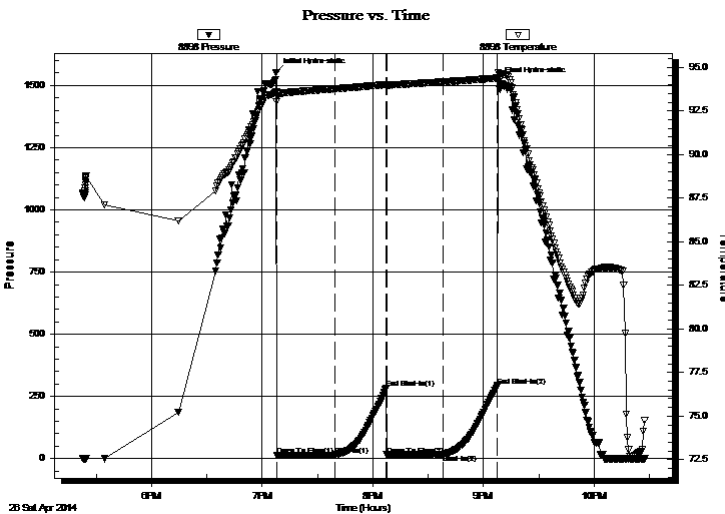
End Time: 22:27:35

Time On Btm: 2014.04.26 @ 19:07:35

Time Off Btm: 2014.04.26 @ 21:08:05

TEST COMMENT: Weak surface blow
Dead no blow back
Dead no blow
Dead no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1552.66	93.62	Initial Hydro-static
1	12.99	93.03	Open To Flow (1)
32	15.16	93.77	Shut-In(1)
60	282.11	94.01	End Shut-In(1)
60	15.02	93.88	Open To Flow (2)
91	16.25	94.16	Shut-In(2)
120	292.45	94.38	End Shut-In(2)
121	1516.00	94.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	100% m w ith oil spots	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc

36-5s-18w Phillips,KS

370 W Wichita Ave
Russell KS 67665

Odle #1

Job Ticket: 57571

DST#: 3

ATTN: Austin Klaus

Test Start: 2014.04.26 @ 17:22:25

Tool Information

Drill Pipe:	Length: 3049.00 ft	Diameter: 3.80 inches	Volume: 42.77 bbl	Tool Weight:	2000.00 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	50000.00 lb
			<u>Total Volume: 43.36 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial	33000.00 lb
Depth to Top Packer:	3174.00 ft			Final	33000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	54.00 ft				
Tool Length:	74.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3159.00	
Hydraulic tool	5.00			3164.00	
Packer	5.00			3169.00	20.00 Bottom Of Top Packer
Packer	5.00			3174.00	
Stubb	1.00			3175.00	
Recorder	0.00	8897	Inside	3175.00	
Recorder	0.00	8898	Outside	3175.00	
Perforations	16.00			3191.00	
Change Over Sub	1.00			3192.00	
Drill Pipe	32.00			3224.00	
Change Over Sub	1.00			3225.00	
Bullnose	3.00			3228.00	54.00 Bottom Packers & Anchor

Total Tool Length: 74.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

36-5s-18w Phillips,KS

370 W Wichita Ave
Russell KS 67665

Odle #1

Job Ticket: 57571

DST#: 3

ATTN: Austin Klaus

Test Start: 2014.04.26 @ 17:22:25

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: 42.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	100% m with oil spots	0.005

Total Length: 1.00 ft Total Volume: 0.005 bbl

Num Fluid Samples: 0

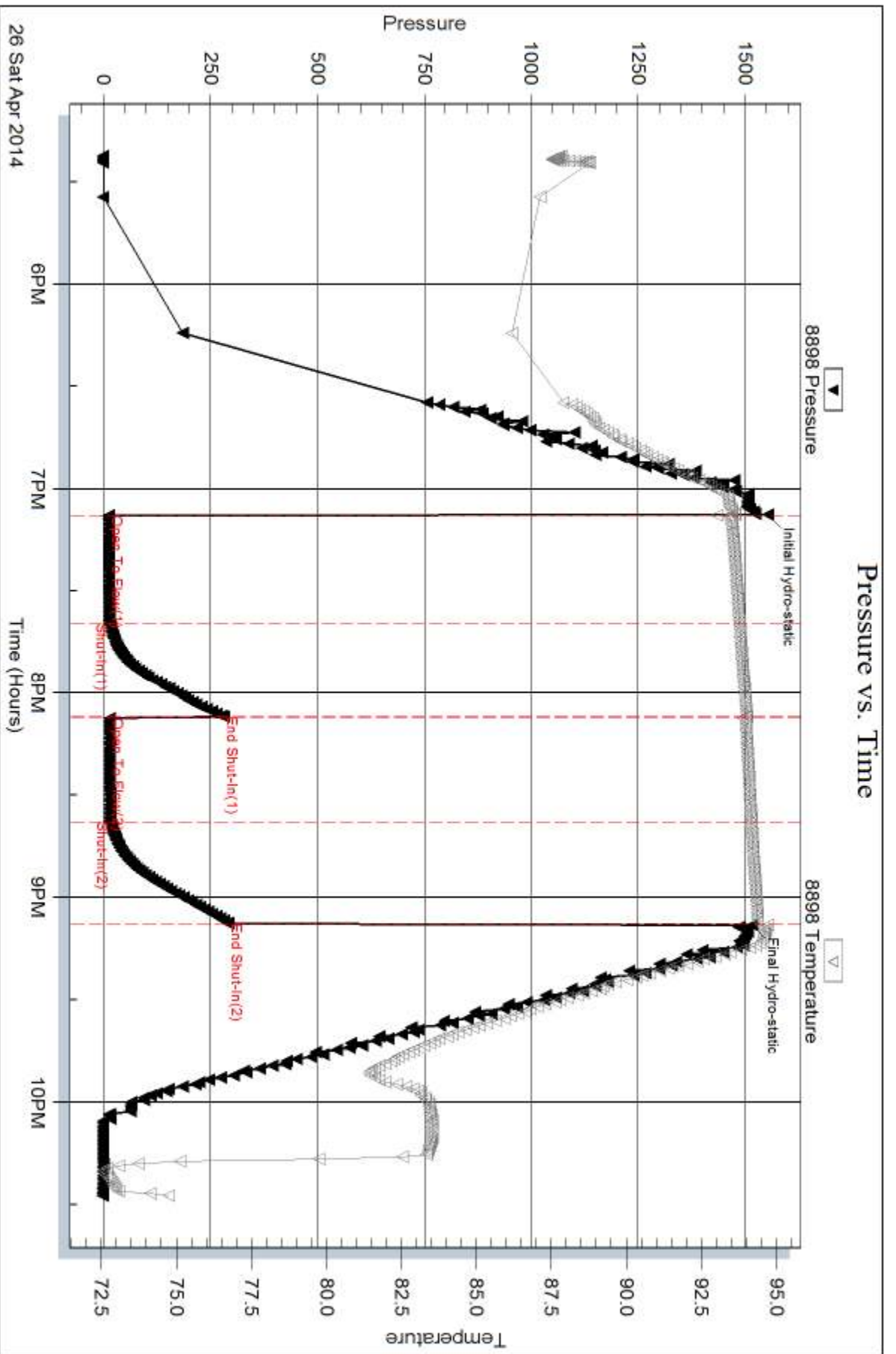
Num Gas Bombs: 0

Serial #:

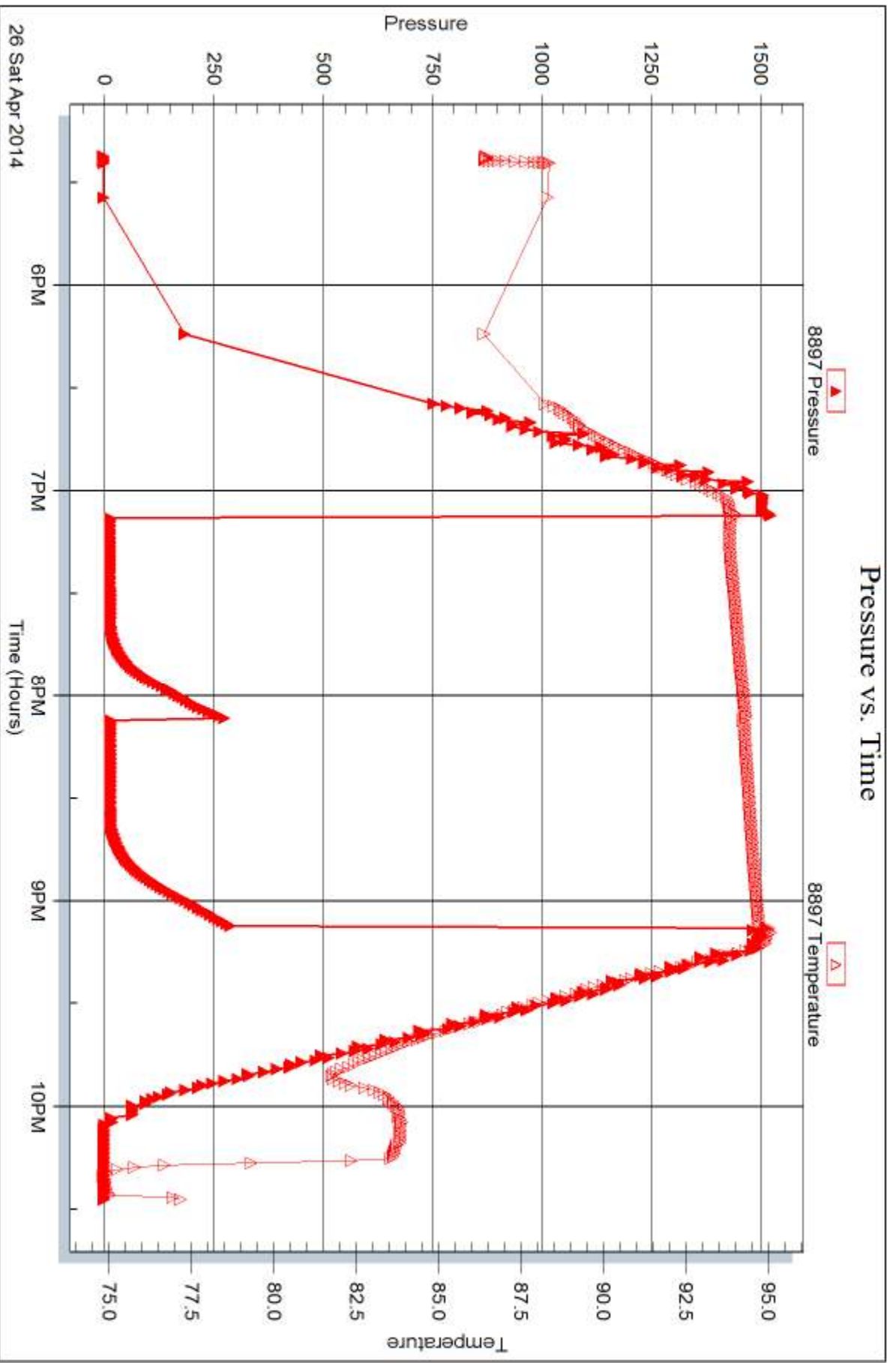
Laboratory Name:

Laboratory Location:

Recovery Comments:



26 Sat Apr 2014





DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

370 W Wichita Ave
Russell KS 67665

ATTN: Austin Klaus

Odle #1

36-5s-18w Phillips,KS

Start Date: 2014.04.27 @ 10:06:50

End Date: 2014.04.27 @ 16:31:40

Job Ticket #: 57572 DST #: 4

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

Printed: 2014.04.29 @ 14:16:10



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

John O Farmer Inc

36-5s-18w Phillips,KS

370 W Wichita Ave
Russell KS 67665

Odle #1

Job Ticket: 57572

DST#: 4

ATTN: Austin Klaus

Test Start: 2014.04.27 @ 10:06:50

GENERAL INFORMATION:

Formation: **LKC H-L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:40:00

Time Test Ended: 16:31:40

Test Type: Conventional Bottom Hole (Reset)

Tester: Tate Lang

Unit No: 49

Interval: 3217.00 ft (KB) To 3354.00 ft (KB) (TVD)

Reference Elevations: 1894.00 ft (KB)

Total Depth: 3354.00 ft (KB) (TVD)

1889.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8898 Outside

Press@RunDepth: 165.11 psig @ 3223.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.04.27

End Date:

2014.04.27

Last Calib.:

2014.04.27

Start Time: 10:06:51

End Time:

16:31:40

Time On Btm:

2014.04.27 @ 11:39:50

Time Off Btm:

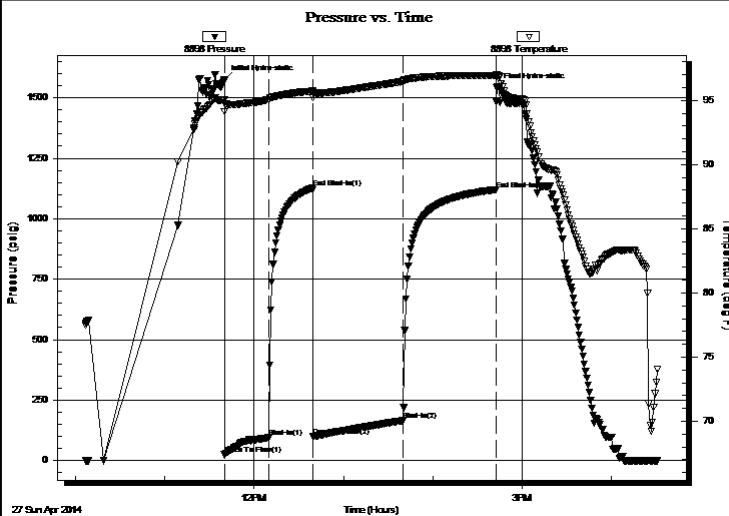
2014.04.27 @ 14:43:10

TEST COMMENT: Strong blow built to 9"

Dead no blow back

B.O.B. In 50 mins

Dead no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1573.70	95.04	Initial Hydro-static
1	23.87	94.13	Open To Flow (1)
30	94.54	95.08	Shut-In(1)
60	1127.41	95.73	End Shut-In(1)
60	101.57	95.21	Open To Flow (2)
121	165.11	96.49	Shut-In(2)
183	1120.55	96.93	End Shut-In(2)
184	1540.76	96.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
75.00	100%M	0.37
240.00	20%M 80%W	2.96

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc

36-5s-18w Phillips,KS

370 W Wichita Ave
Russell KS 67665

Odle #1

Job Ticket: 57572

DST#: 4

ATTN: Austin Klaus

Test Start: 2014.04.27 @ 10:06:50

Tool Information

Drill Pipe:	Length: 3080.00 ft	Diameter: 3.80 inches	Volume: 43.20 bbl	Tool Weight:	2000.00 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	50000.00 lb
			<u>Total Volume: 43.79 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial	33000.00 lb
Depth to Top Packer:	3217.00 ft			Final	35000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	137.00 ft				
Tool Length:	157.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3202.00	
Hydraulic tool	5.00			3207.00	
Packer	5.00			3212.00	20.00 Bottom Of Top Packer
Packer	5.00			3217.00	
Stubb	1.00			3218.00	
Perforations	5.00			3223.00	
Recorder	0.00	8897	Inside	3223.00	
Recorder	0.00	8898	Outside	3223.00	
Change Over Sub	1.00			3224.00	
Drill Pipe	126.00			3350.00	
Change Over Sub	1.00			3351.00	
Bullnose	3.00			3354.00	137.00 Bottom Packers & Anchor

Total Tool Length: 157.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

36-5s-18w Phillips,KS

370 W Wichita Ave
Russell KS 67665

Odle #1

Job Ticket: 57572

DST#: 4

ATTN: Austin Klaus

Test Start: 2014.04.27 @ 10:06:50

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:

65000 ppm

Viscosity: 42.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
75.00	100%M	0.369
240.00	20%M 80%W	2.957

Total Length: 315.00 ft Total Volume: 3.326 bbl

Num Fluid Samples: 0

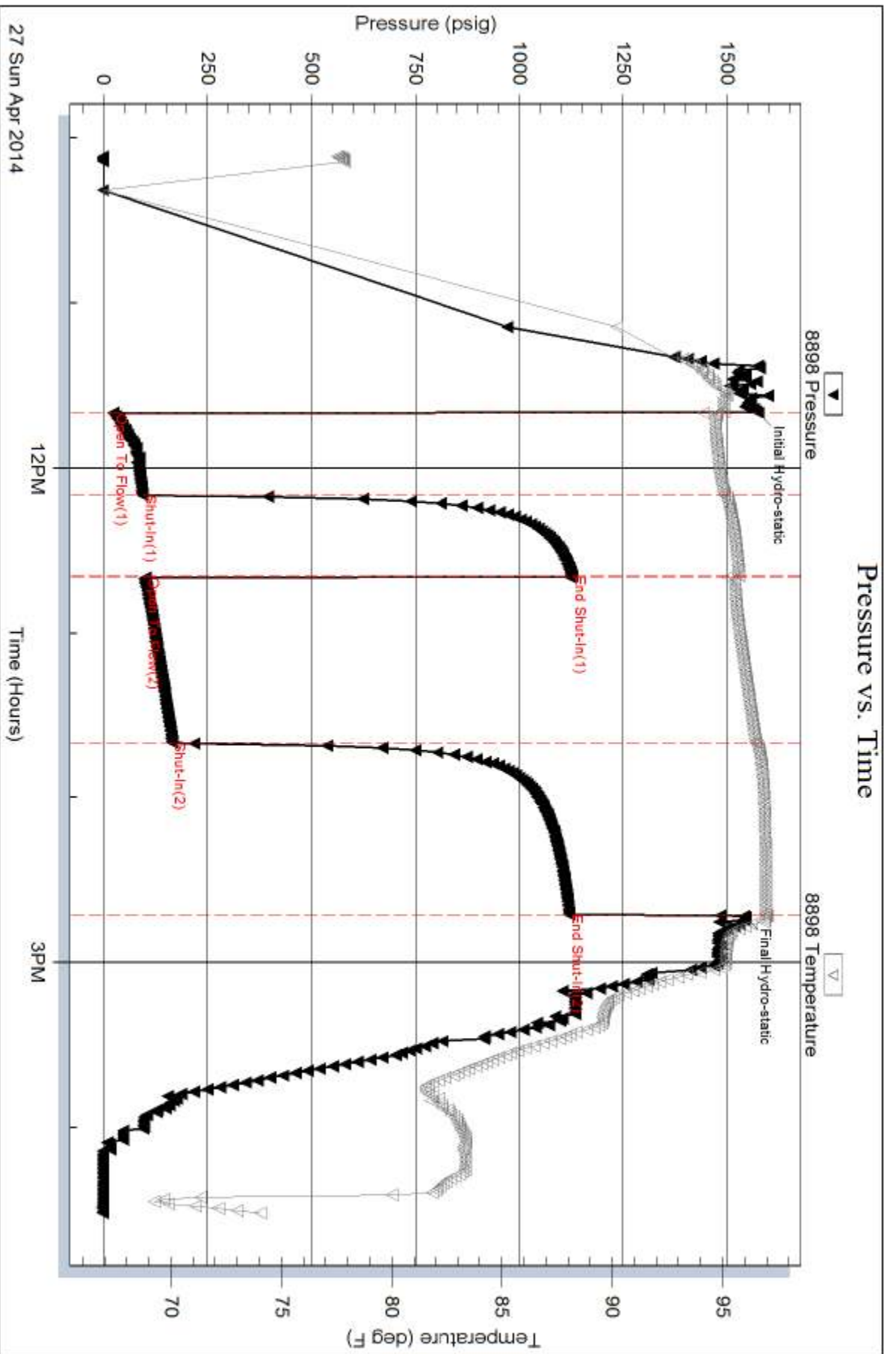
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



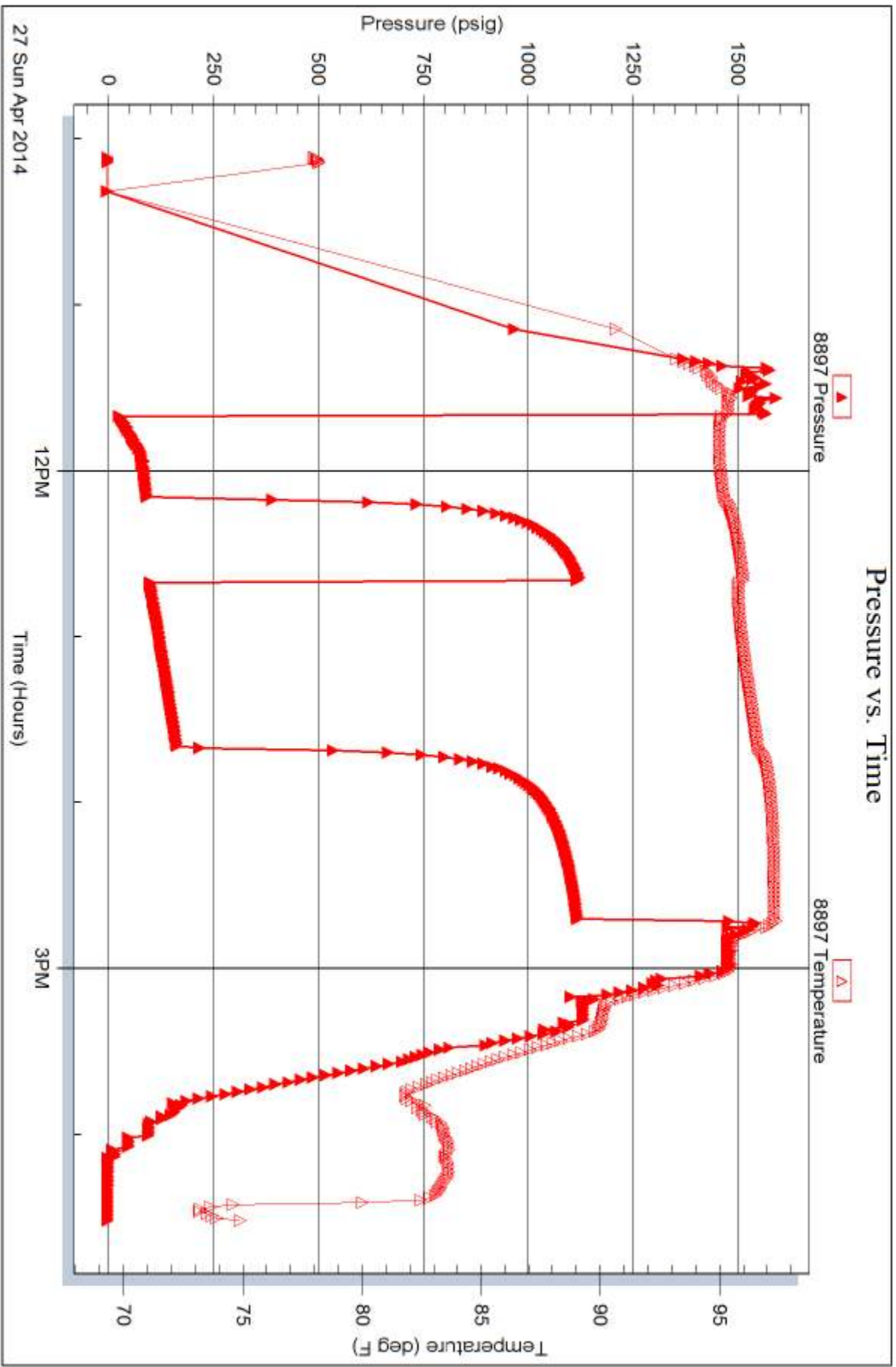
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Inside

John O Farmer Inc

Odle #1

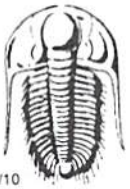
DST Test Number: 4



Tribble Testing, Inc

Ref. No: 57572

Printed: 2014.04.29 @ 14:16:12



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 57569

Well Name & No. Odle #1 Test No. 1 Date 4-25-14
 Company John O. Farmer Inc Elevation 1894 KB 1889 GL
 Address 370 W Wichita AVE 67665
 Co. Rep / Geo. Austin Klause Rig WW#C
 Location: Sec. 3E Twp. 5S Rge. 18W Co. Phillips State KS

Interval Tested 3093 3120 Zone Tested LKC "A"
 Anchor Length 27 Drill Pipe Run 2984 Mud Wt. 9.2
 Top Packer Depth 3089 Drill Collars Run 120 Vis 5.2
 Bottom Packer Depth 3093 Wt. Pipe Run 0 WL 7.6
 Total Depth 3120 Chlorides 1500 ppm System LCM 2#
 Blow Description Slid 10' weak surface blow built to 1/2 in
Dead No blow back
Dead No blow
Dead No blow back

Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>120</u>	Feet of <u>mud with Dil spots</u>	%gas	%oil	%water <u>100</u>	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 120 BHT 94 Gravity 1150 API RW 151.90 @ 1150 °F Chlorides 1500 ppm

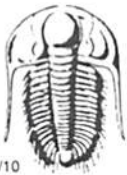
(A) Initial Hydrostatic 1524 Test 1150 T-On Location 11:50
 (B) First Initial Flow 77 Jars T-Started 13:38
 (C) First Final Flow 81 Safety Joint T-Open 15:48
 (D) Initial Shut-In 110 Circ Sub T-Pulled 17:48
 (E) Second Initial Flow 155 Hourly Standby T-Out 19:01
 (F) Second Final Flow 167 Mileage 98 R/T 151.90 Comments _____
 (G) Final Shut-In 581 Sampler _____
 (H) Final Hydrostatic 1478 Straddle _____
 Shale Packer _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30

Sub Total 0
 Total 1301.90
 MP/DST Disc't _____

Sub Total 1301.90

Approved By _____ Our Representative [Signature]
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 57570

Well Name & No. Odle #1 Test No. 2 Date 4-26-14
 Company John O Farmer Elevation 1894 KB 1889 GL
 Address 370 W Wichita AVE Russell KS 67665
 Co. Rep / Geo. Austin Haws Rig WW #6
 Location: Sec. 36 Twp. 5S Rge. 18W Co. Phillips State KS

Interval Tested 3130 3166 Zone Tested LHC 11/11
 Anchor Length 36 Drill Pipe Run 3018 Mud Wt. 9.2
 Top Packer Depth 3125 Drill Collars Run 120 Vis 54
 Bottom Packer Depth 3130 Wt. Pipe Run 0 WL 76
 Total Depth 3166 Chlorides 1500 ppm System LCM 2#

Blow Description Weak surface blow with to 1/4 in
Dead no slow back
Dead no slow
Dead no slow back

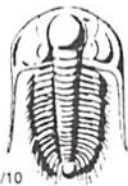
Rec	Feet of	%gas	%oil	%water	%mud
Rec 1	Feet of <u>mud</u>				<u>100%</u>
Rec	Feet of				
Rec	Feet of				

Rec Total 1 BHT 94 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1501 Test 1150 T-On Location 03:20
 (B) First Initial Flow 13 Jars _____ T-Started 03:47
 (C) First Final Flow 12 Safety Joint _____ T-Open 05:36
 (D) Initial Shut-In 16 Circ Sub _____ T-Pulled 07:36
 (E) Second Initial Flow 12 Hourly Standby _____ T-Out 08:47
 (F) Second Final Flow 12 Mileage 151.90 Comments _____
 (G) Final Shut-In 15 Sampler _____
 (H) Final Hydrostatic 1495 Straddle _____

Initial Open 30 Shale Packer _____
 Initial Shut-In 30 Extra Packer _____
 Final Flow 30 Extra Recorder _____
 Final Shut-In 30 Day Standby _____
 Sub Total 1301.90 Accessibility _____
 Sub Total 1301.90

Approved By _____ Our Representative [Signature]
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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 57571

Well Name & No. Odle #1 Test No. 3 Date 4-26-14
 Company John O Farmer Elevation 1894 KB 1889 GL
 Address 370 W Wichita AVE Russell KS 67665
 Co. Rep / Geo. Austin Klaus Rig WW #6
 Location: Sec. 36 Twp. 5S Rge. 18W Co. Phillips State KS

Interval Tested 3174 3228 Zone Tested LHC "E-G"
 Anchor Length 54 Drill Pipe Run _____ Mud Wt. 9.1
 Top Packer Depth 3169 Drill Collars Run 120 Vis 4.2
 Bottom Packer Depth 3174 Wt. Pipe Run 0 WL 8.0
 Total Depth 3228 Chlorides 2000 ppm System LCM 2A

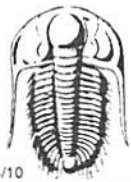
Blow Description Wealth surface blow
Dead no blow back
Drach no blow
Dead no slow back

Rec	Feet of	%gas	%oil	%water	%mud
Rec 1	Feet of <u>mud with oil spots</u>				<u>100</u> %mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 94 BHT 1553 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm
 (A) Initial Hydrostatic 13 Test 1150 T-On Location 16:47
 (B) First Initial Flow 15 Jars _____ T-Started 17:27
 (C) First Final Flow 282 Safety Joint _____ T-Open 19:08
 (D) Initial Shut-In 15 Circ Sub _____ T-Pulled 21:08
 (E) Second Initial Flow 16 Hourly Standby _____ T-Out 22:57
 (F) Second Final Flow 292 Mileage 151.90 Comments _____
 (G) Final Shut-In 1516 Sampler _____
 (H) Final Hydrostatic _____ Straddle _____ Ruined Shale Packer _____

Initial Open 30 Shale Packer _____ Ruined Packer _____
 Initial Shut-In 30 Extra Packer _____ Extra Copies _____
 Final Flow 20 Extra Recorder _____ Sub Total 0
 Final Shut-In 30 Day Standby _____ Total 1301.90
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1301.90

Approved By _____ Our Representative [Signature]
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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 57572

Well Name & No. Odle #1 Test No. 4 Date 4-27-14
 Company John O Farmer Elevation 1894 KB 1889 GL
 Address 370 W Wichita AVE Russell MS 67665
 Co. Rep / Geo. Austin Klaus Rig WW#6
 Location: Sec. 36 Twp. 5S Rge. 18W Co. Phillips State KS

Interval Tested 3217 3354 Zone Tested LHC "H-2"
 Anchor Length 137 Drill Pipe Run 3080 Mud Wt. 9.1
 Top Packer Depth 3212 Drill Collars Run 120 Vis 42
 Bottom Packer Depth 3217 Wt. Pipe Run 0 WL 8.0
 Total Depth 3354 Chlorides 2000 ppm System LCM 2#

Blow Description Strong blow built to 9 in
Dead no blow back
B.O.B. IN 50 mins
Dead no blow back

Rec	Feet of	%gas	%oil	%water	%mud
75	Mud				
240	MKW			80	20

Rec Total 315 BHT 95 Gravity _____ API RW .121 @ 75 °F Chlorides 65000 ppm
 Test 1150 T-On Location 10:05
 Jars T-Started 10:06
 Safety Joint T-Open 11:40
 Circ Sub T-Pulled 14:40
 Hourly Standby T-Out 16:31
 Mileage X2 303.80 Comments Loaded
 Sampler 4-28-14
 Straddle 6:00 AM
 Shale Packer
 Ruined Shale Packer
 Shale Packer
 Ruined Packer
 Extra Packer
 Extra Copies
 Extra Recorder
 Day Standby
 Accessibility

Initial Open 30 Sub Total 0
 Initial Shut-In 30 Total 1453.80
 Final Flow 60 MP/DST Disc't _____
 Final Shut-In 60 Sub Total 1453.80

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