

DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

PO Box 352
Russell KS 67665

ATTN: Randy Kilian

Sutley A #1

19-4s-18w Phillips,KS

Start Date: 2011.12.08 @ 16:00:00

End Date: 2011.12.08 @ 23:02:30

Job Ticket #: 042941 DST #: 1

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

Printed: 2011.12.14 @ 16:32:03



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

John O Farmer Inc
PO Box 352
Russell KS 67665
ATTN: Randy Kilian

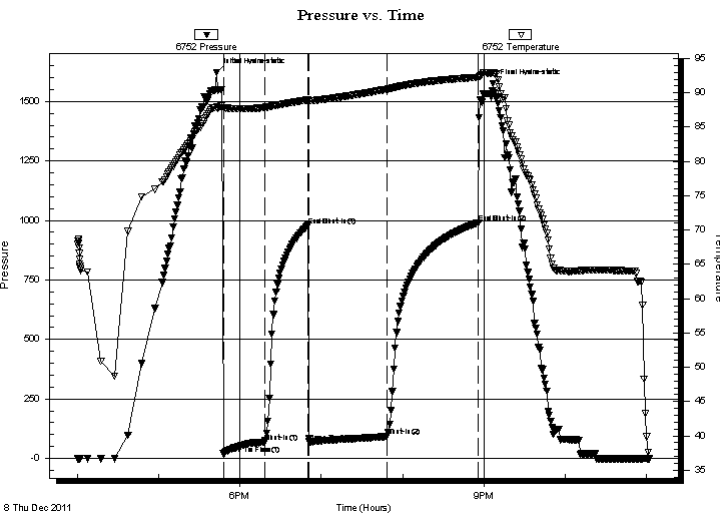
19-4s-18w Phillips,KS
Sutley A #1
Job Ticket: 042941 **DST#: 1**
Test Start: 2011.12.08 @ 16:00:00

GENERAL INFORMATION:

Formation: **LKC-C**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:47:30
Time Test Ended: 23:02:30
Interval: **3170.00 ft (KB) To 3212.00 ft (KB) (TVD)**
Total Depth: 3212.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Chuck Kreuzer Jr.
Unit No: 36
Reference Elevations: 1942.00 ft (KB)
1937.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6752 Inside
Press @ Run Depth: 92.34 psig @ 3178.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.12.08 End Date: 2011.12.08 Last Calib.: 2011.12.08
Start Time: 16:00:05 End Time: 23:02:29 Time On Btm: 2011.12.08 @ 17:42:30
Time Off Btm: 2011.12.08 @ 21:07:00

TEST COMMENT: IF: Weak blow, Built to 3 in. over 30 mins.
IS: No blow back over 30 mins.
FF: Weak blow, built to B.O.B in 40 mins.
FS: Weak blow back after 5 mins. Built to 1/4 in. over 60 mins



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1621.73	87.93	Initial Hydro-static
5	19.25	87.87	Open To Flow (1)
36	67.91	87.86	Shut-In(1)
68	978.78	88.97	End Shut-In(1)
69	69.78	88.87	Open To Flow (2)
126	92.34	90.52	Shut-In(2)
194	990.80	92.28	End Shut-In(2)
205	1573.64	92.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	gw ocm-20%g5%w 15%o60%m	0.30
62.00	gw mco-5%g5%w 30%m60%o	0.34
62.00	gmco-20%g30%m50%o	0.87
20.00	go-10%g90%o	0.28
0.00	160 ft. gas in pipe	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc

19-4s-18w Phillips,KS

PO Box 352
Russell KS 67665

Sutley A #1

Job Ticket: 042941

DST#: 1

ATTN: Randy Kilian

Test Start: 2011.12.08 @ 16:00:00

Tool Information

Drill Pipe:	Length: 3057.00 ft	Diameter: 3.80 inches	Volume: 42.88 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: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 43.47 bbl</u>	Tool Chased 3.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 34000.00 lb
Depth to Top Packer:	3170.00 ft			Final 35000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	42.00 ft			
Tool Length:	62.00 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			3155.00	
Hydraulic tool	5.00			3160.00	
Packer	5.00			3165.00	20.00 Bottom Of Top Packer
Packer	5.00			3170.00	
Stubb	1.00			3171.00	
Perforations	7.00			3178.00	
Recorder	0.00	6752	Inside	3178.00	
Recorder	0.00	6741	Outside	3178.00	
Perforations	31.00			3209.00	
Bullnose	3.00			3212.00	42.00 Bottom Packers & Anchor
Total Tool Length:	62.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

19-4s-18w Phillips,KS

PO Box 352
Russell KS 67665

Sutley A #1

Job Ticket: 042941

DST#: 1

ATTN: Randy Kilian

Test Start: 2011.12.08 @ 16:00:00

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: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	gw ocm-20%g5%w 15%o60%m	0.305
62.00	gw mco-5%g5%w 30%m60%o	0.341
62.00	gmco-20%g30%m50%o	0.870
20.00	go-10%g90%o	0.281
0.00	160 ft. gas in pipe	0.000

Total Length: 206.00 ft

Total Volume: 1.797 bbl

Num Fluid Samples: 0

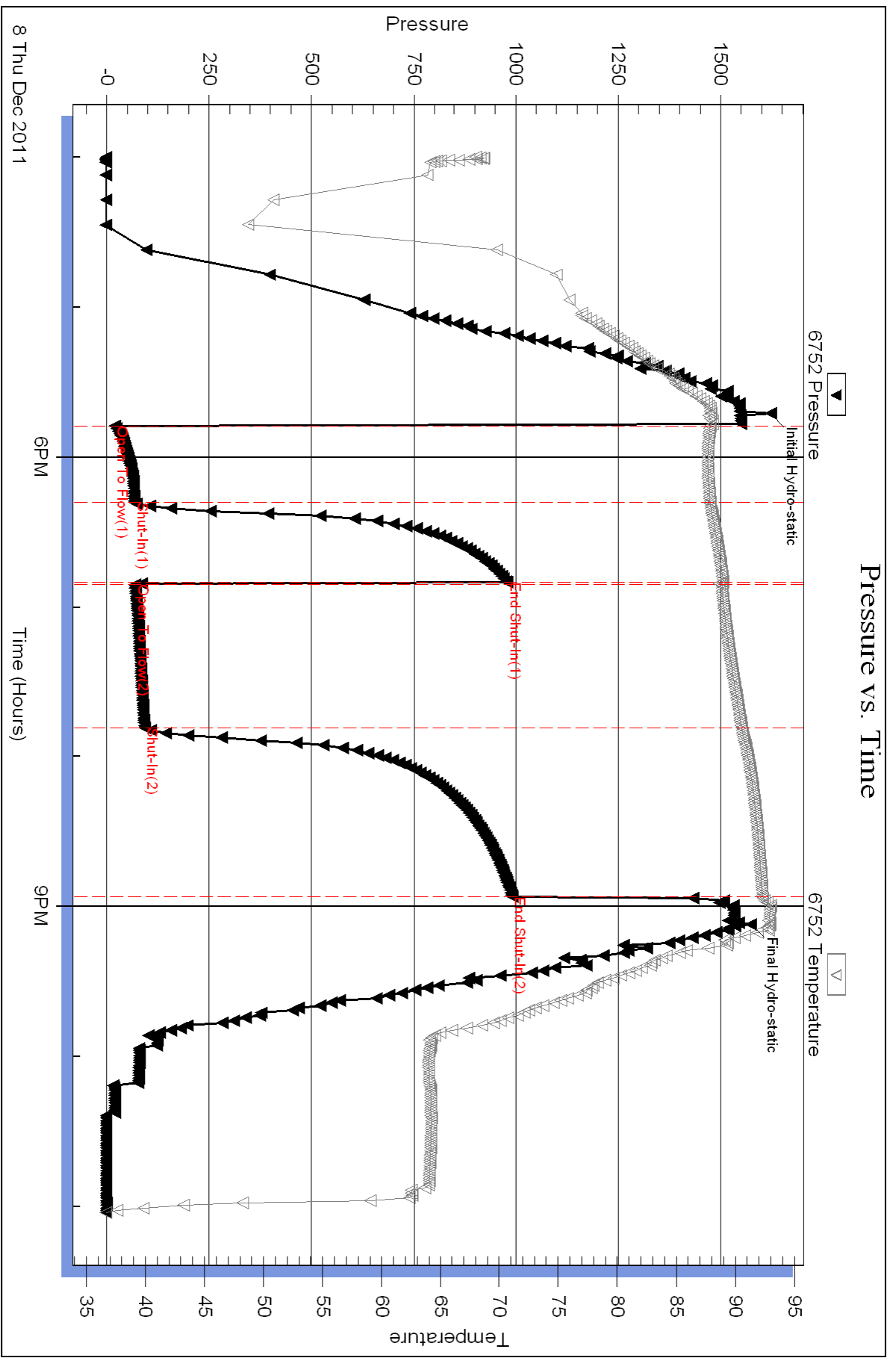
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

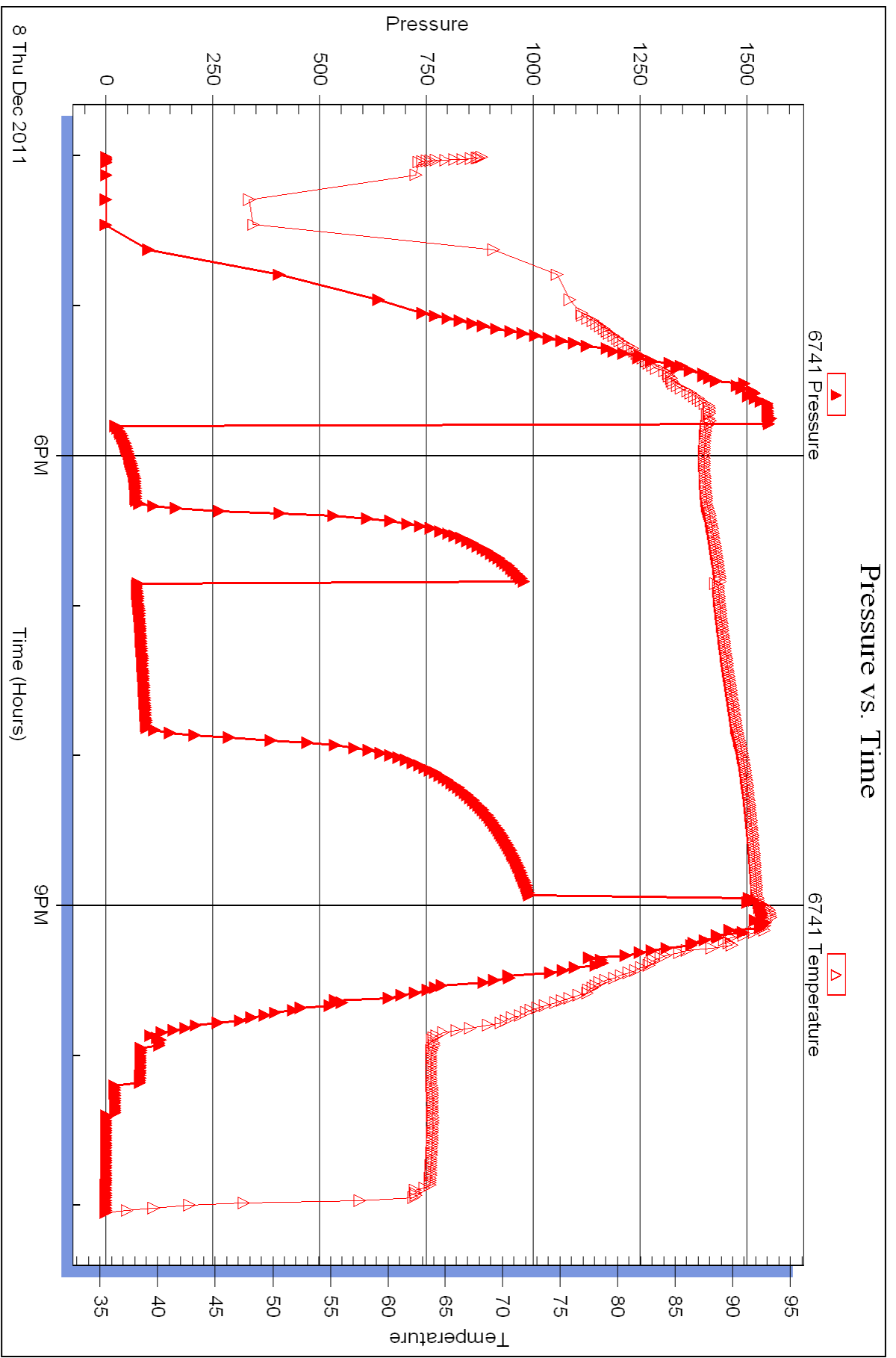


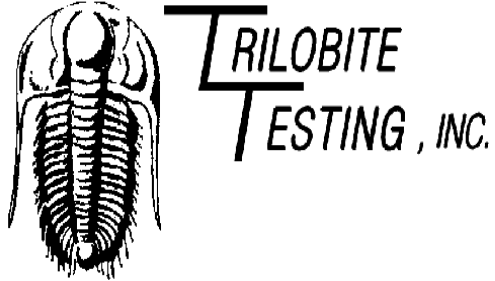
Serial #: 6741

Outside John O Farmer Inc

Sutley A #1

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

PO Box 352
Russell KS 67665

ATTN: Randy Kilian

Sutley A #1

19-4s-18w Phillips,KS

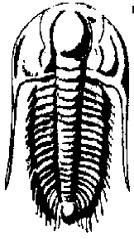
Start Date: 2011.12.09 @ 04:30:00

End Date: 2011.12.09 @ 09:27:30

Job Ticket #: 042942 DST #: 2

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

Printed: 2011.12.14 @ 16:31:15



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc

19-4s-18w Phillips,KS

PO Box 352
Russell KS 67665

Sutley A #1

Job Ticket: 042942

DST#: 2

ATTN: Randy Kilian

Test Start: 2011.12.09 @ 04:30:00

Tool Information

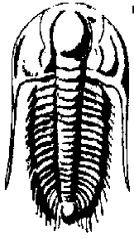
Drill Pipe:	Length: 3089.00 ft	Diameter: 3.80 inches	Volume: 43.33 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 42000.00 lb
			<u>Total Volume: 43.92 bbl</u>	Tool Chased 10.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 34000.00 lb
Depth to Top Packer:	3214.00 ft			Final 34000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	16.00 ft			
Tool Length:	36.00 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			3199.00	
Hydraulic tool	5.00			3204.00	
Packer	5.00			3209.00	20.00 Bottom Of Top Packer
Packer	5.00			3214.00	
Stubb	1.00			3215.00	
Recorder	0.00	6752	Inside	3215.00	
Recorder	0.00	6741	Outside	3215.00	
Perforations	15.00			3230.00	16.00 Bottom Packers & Anchor

Total Tool Length: 36.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

19-4s-18w Phillips,KS

PO Box 352
Russell KS 67665

Sutley A #1

Job Ticket: 042942

DST#: 2

ATTN: Randy Kilian

Test Start: 2011.12.09 @ 04:30:00

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: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: 2.00 inches

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

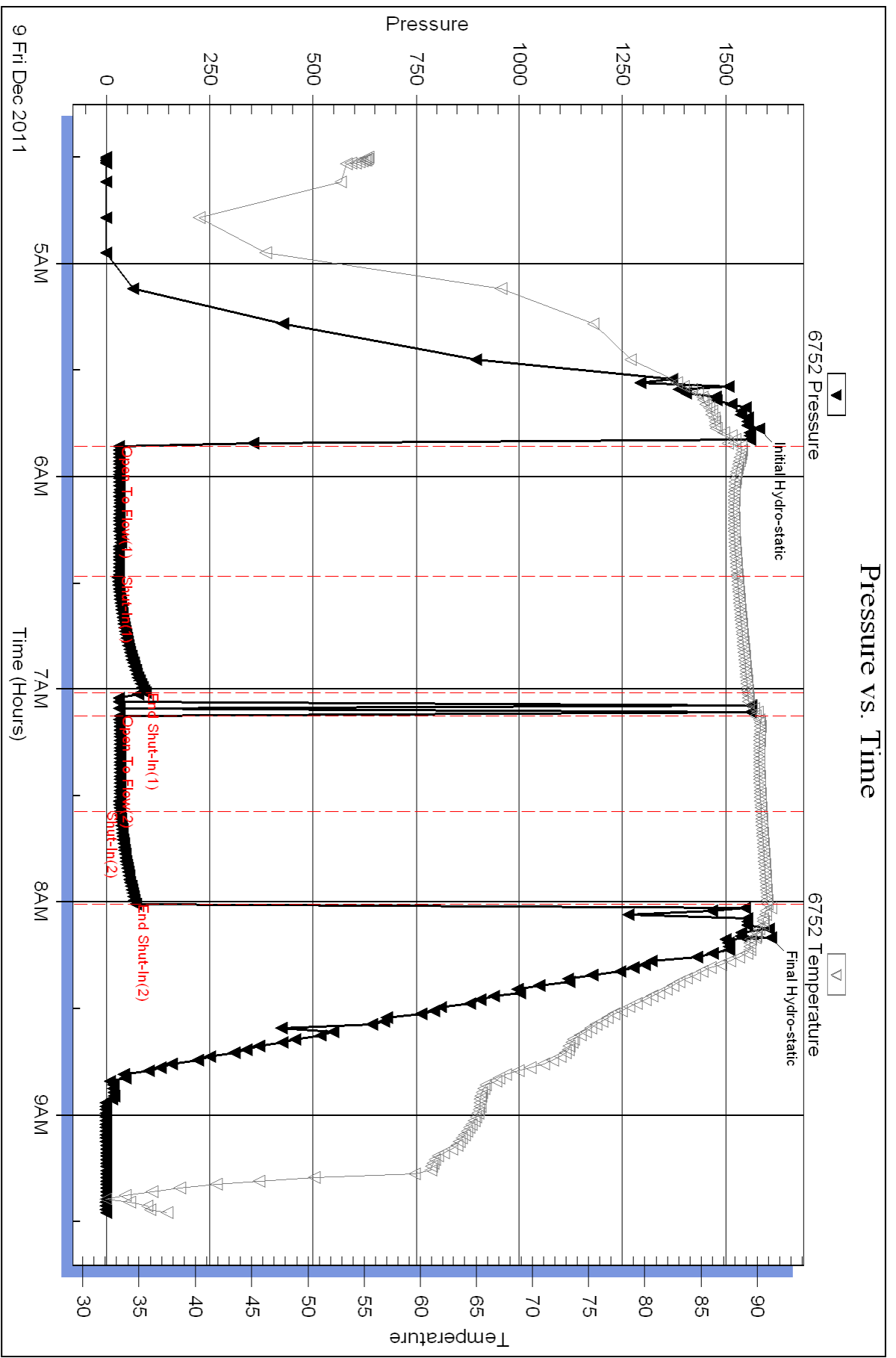
Num Gas Bombs: 0

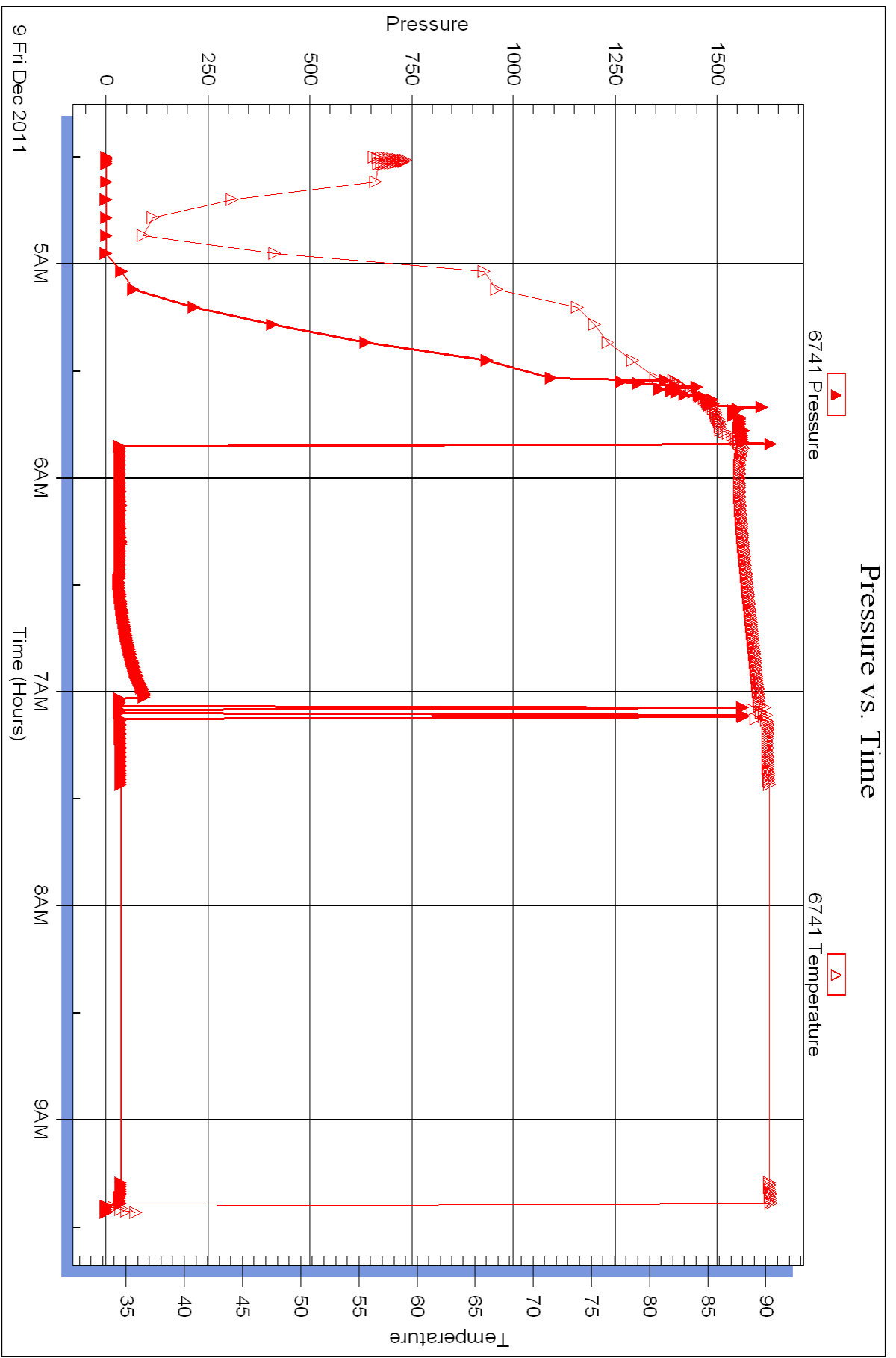
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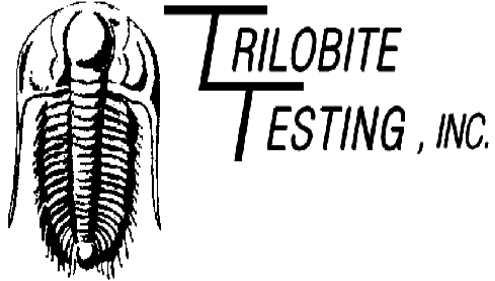
Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

PO Box 352
Russell KS 67665

ATTN: Randy Kilian

Sutley A #1

19-4s-18w Phillips,KS

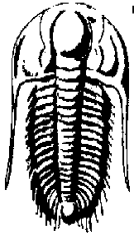
Start Date: 2011.12.09 @ 15:10:00

End Date: 2011.12.09 @ 20:28:30

Job Ticket #: 042943 DST #: 3

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

Printed: 2011.12.14 @ 16:30:24



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

John O Farmer Inc

19-4s-18w Phillips,KS

PO Box 352
Russell KS 67665

Sutley A #1

Job Ticket: 042943

DST#: 3

ATTN: Randy Kilian

Test Start: 2011.12.09 @ 15:10:00

GENERAL INFORMATION:

Formation: **LKC-D-F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:57:30

Time Test Ended: 20:28:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Kreuzer Jr.

Unit No: 36

Interval: 3215.00 ft (KB) To 3255.00 ft (KB) (TVD)

Reference Elevations: 1942.00 ft (KB)

Total Depth: 3255.00 ft (KB) (TVD)

1937.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6752 Inside

Press @ Run Depth: 42.85 psig @ 3221.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.12.09 End Date: 2011.12.09

Last Calib.: 2011.12.09

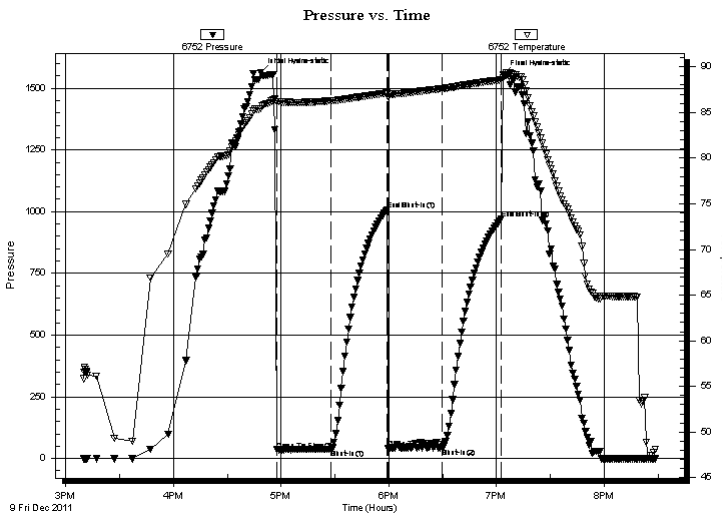
Start Time: 15:10:05 End Time: 20:28:29

Time On Btm: 2011.12.09 @ 16:48:30

Time Off Btm: 2011.12.09 @ 19:03:30

TEST COMMENT: IF: Weak blow, Died in 5 mins.
IS: No blow back over 30 mins.
FF: No blow over 30 mins.
FS: No blow back over 30 mins

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1564.22	85.44	Initial Hydro-static
9	34.65	86.18	Open To Flow (1)
39	38.37	86.27	Shut-In (1)
71	1008.47	87.12	End Shut-In (1)
71	40.92	86.77	Open To Flow (2)
101	42.85	87.61	Shut-In (2)
134	971.13	88.57	End Shut-In (2)
135	1556.24	88.76	Final Hydro-static

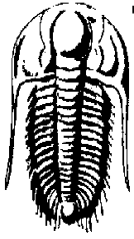
Recovery

Length (ft)	Description	Volume (bbl)
30.00	mud w ith oil specs	0.15

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

19-4s-18w Phillips,KS

PO Box 352
Russell KS 67665

Sutley A #1

Job Ticket: 042943

DST#: 3

ATTN: Randy Kilian

Test Start: 2011.12.09 @ 15:10:00

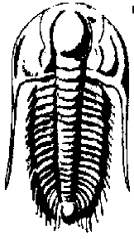
Tool Information

Drill Pipe:	Length: 3090.00 ft	Diameter: 3.80 inches	Volume: 43.34 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: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 43.93 bbl</u>	Tool Chased 10.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 34000.00 lb
Depth to Top Packer:	3215.00 ft			Final 34000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	60.00 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			3200.00	
Hydraulic tool	5.00			3205.00	
Packer	5.00			3210.00	20.00 Bottom Of Top Packer
Packer	5.00			3215.00	
Stubb	1.00			3216.00	
Perforations	5.00			3221.00	
Recorder	0.00	6752	Inside	3221.00	
Recorder	0.00	6741	Outside	3221.00	
Perforations	31.00			3252.00	
Bullnose	3.00			3255.00	40.00 Bottom Packers & Anchor
Total Tool Length:	60.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

19-4s-18w Phillips,KS

PO Box 352
Russell KS 67665

Sutley A #1

Job Ticket: 042943

DST#: 3

ATTN: Randy Kilian

Test Start: 2011.12.09 @ 15:10:00

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: 45.00 sec/qt

Cushion Volume: bbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 1000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	mud w ith oil specs	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

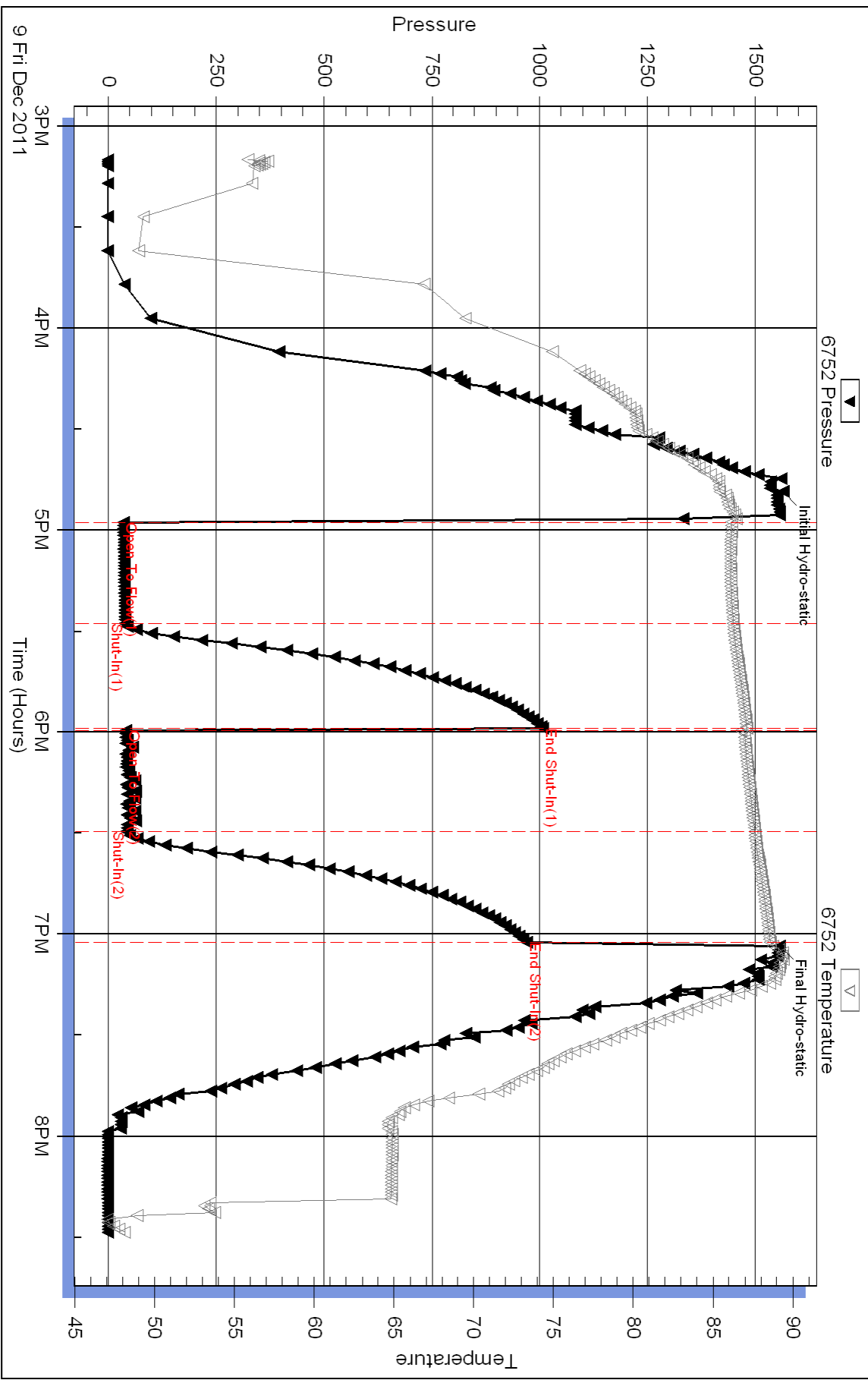
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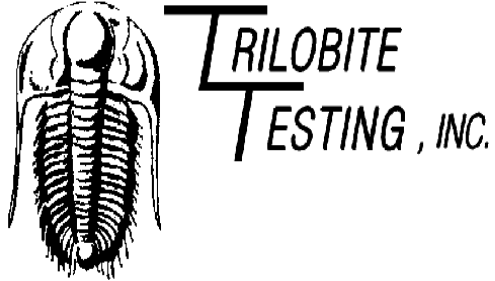
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

PO Box 352
Russell KS 67665

ATTN: Randy Kilian

Sutley A #1

19-4s-18w Phillips,KS

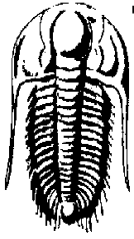
Start Date: 2011.12.10 @ 11:50:00

End Date: 2011.12.10 @ 17:19:30

Job Ticket #: 042944 DST #: 4

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

Printed: 2011.12.14 @ 16:39:04



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

John O Farmer Inc

19-4s-18w Phillips,KS

PO Box 352
Russell KS 67665

Sutley A #1

Job Ticket: 042944

DST#: 4

ATTN: Randy Kilian

Test Start: 2011.12.10 @ 11:50:00

GENERAL INFORMATION:

Formation: **LKC-H-K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:41:30

Time Test Ended: 17:19:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Kreuzer Jr.

Unit No: 36

Interval: 3271.00 ft (KB) To 3370.00 ft (KB) (TVD)

Reference Elevations: 1942.00 ft (KB)

Total Depth: 3370.00 ft (KB) (TVD)

1937.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6752 Inside

Press @ Run Depth: 34.11 psig @ 3275.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.12.10 End Date: 2011.12.10

Last Calib.: 2011.12.10

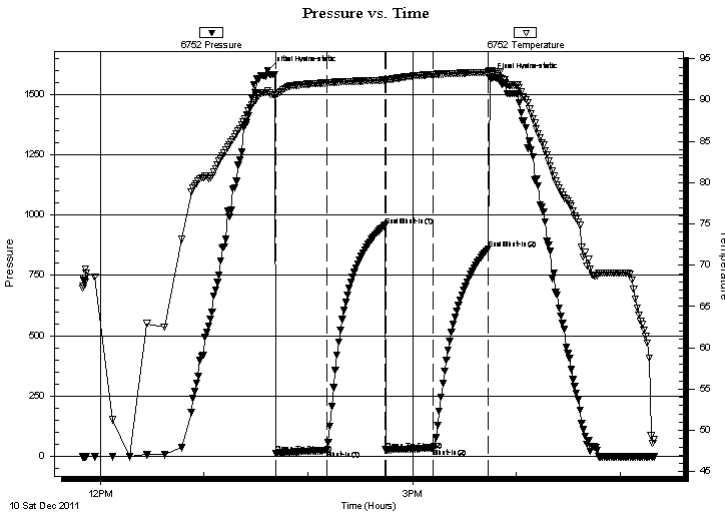
Start Time: 11:50:05 End Time: 17:19:29

Time On Btm: 2011.12.10 @ 13:36:30

Time Off Btm: 2011.12.10 @ 15:44:30

TEST COMMENT: IF: Weak blow, Died in 10 mins.
IS: No blow back after 30 mins.
FF: No blow over 30 mins.
FS: No blow back over 30 mins.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1599.76	91.16	Initial Hydro-static
5	13.18	90.65	Open To Flow (1)
34	24.56	92.08	Shut-In(1)
68	957.14	92.42	End Shut-In(1)
68	27.15	92.37	Open To Flow (2)
96	34.11	93.10	Shut-In(2)
127	859.60	93.37	End Shut-In(2)
128	1569.18	93.57	Final Hydro-static

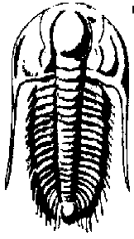
Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud	0.02

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc

19-4s-18w Phillips,KS

PO Box 352
Russell KS 67665

Sutley A #1

Job Ticket: 042944

DST#: 4

ATTN: Randy Kilian

Test Start: 2011.12.10 @ 11:50:00

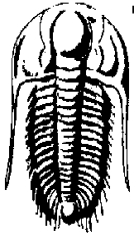
Tool Information

Drill Pipe:	Length: 3146.00 ft	Diameter: 3.80 inches	Volume: 44.13 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: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 44.72 bbl</u>	Tool Chased 10.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3271.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	99.00 ft			
Tool Length:	119.00 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			3256.00	
Hydraulic tool	5.00			3261.00	
Packer	5.00			3266.00	20.00 Bottom Of Top Packer
Packer	5.00			3271.00	
Stubb	1.00			3272.00	
Perforations	3.00			3275.00	
Recorder	0.00	6752	Inside	3275.00	
Recorder	0.00	6741	Outside	3275.00	
Blank Spacing	92.00			3367.00	
Bullnose	3.00			3370.00	99.00 Bottom Packers & Anchor
Total Tool Length:	119.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

19-4s-18w Phillips,KS

PO Box 352
Russell KS 67665

Sutley A #1

Job Ticket: 042944

DST#: 4

ATTN: Randy Kilian

Test Start: 2011.12.10 @ 11:50:00

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: 45.00 sec/qt

Cushion Volume: bbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 1000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

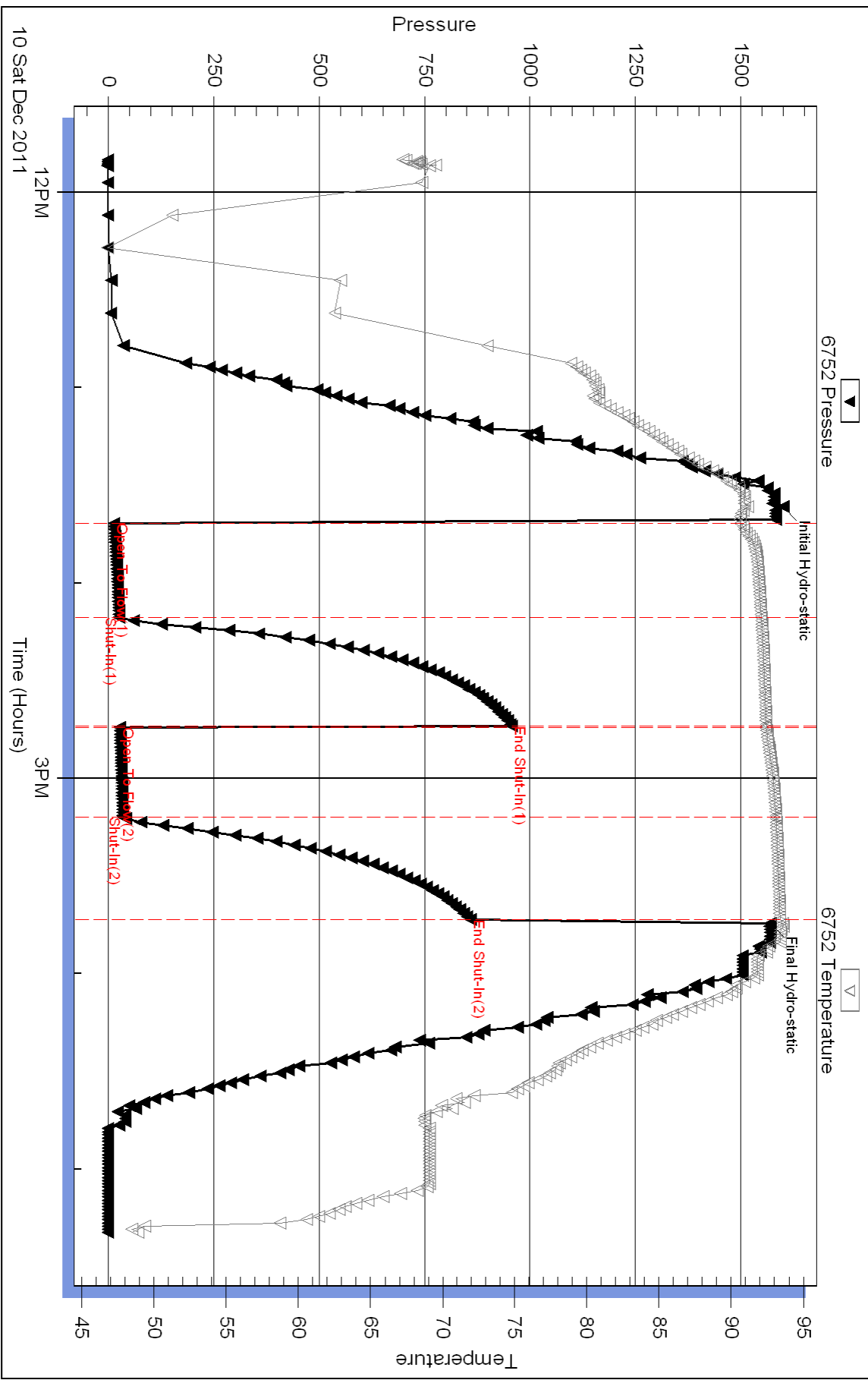
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

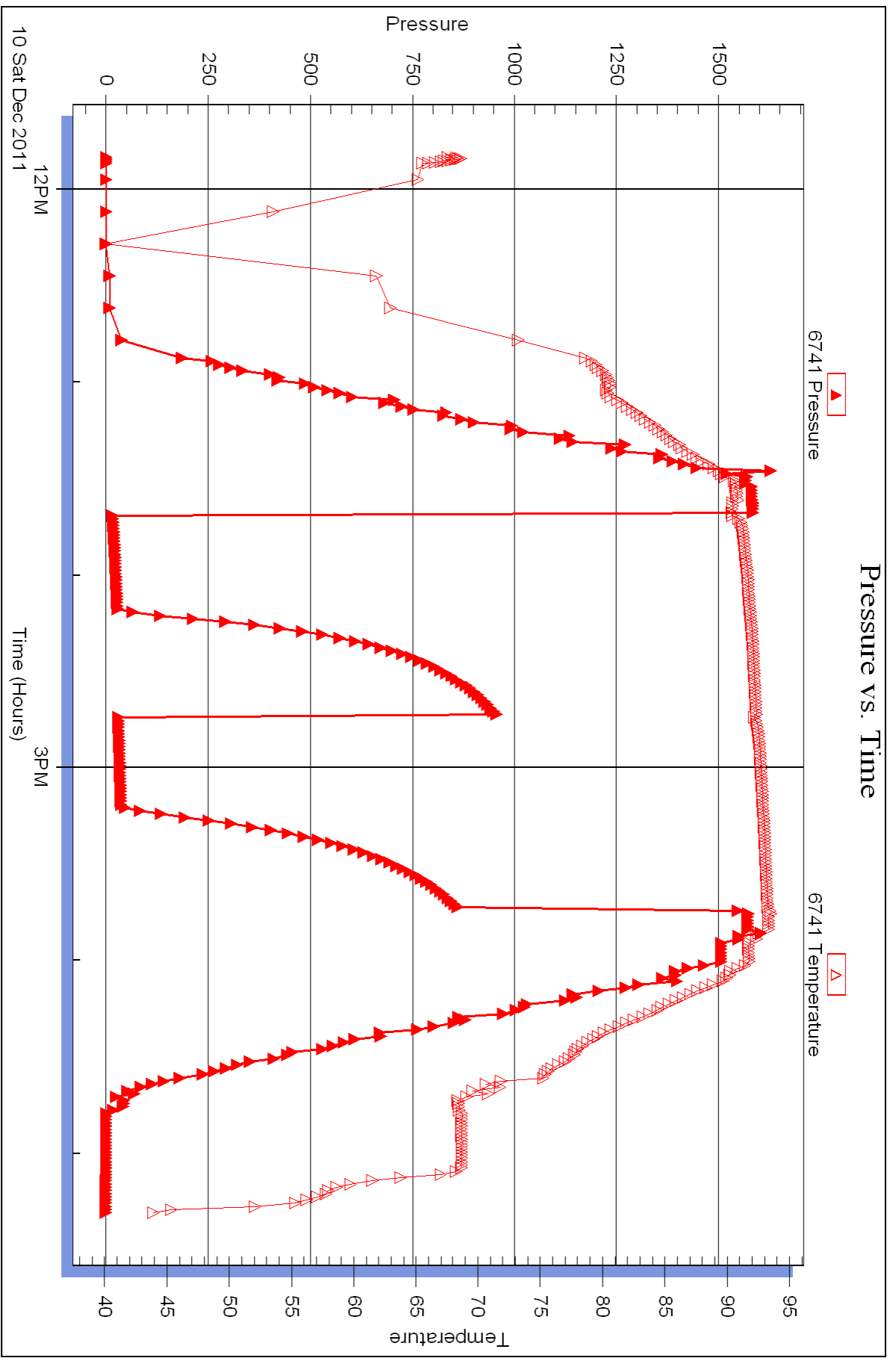


Serial #: 6741

Outside John O Farmer Inc

Sutley A #1

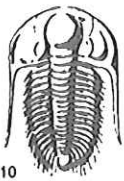
DST Test Number: 4



Triobite Testing, Inc

Ref. No: 042944

Printed: 2011.12.14 @ 16:39:07



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

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DEC 14 2011

Test Ticket

NO. 042941

4/10

BY:

Well Name & No. Sutley A #1 Test No. 1 Date 12-08-2011
 Company John O Farmer, INC. Elevation 1942 KB 1937 GL
 Address 370 W Wichita Ave. P.O. Box 352 Russell KS. 67665
 Co. Rep / Geo. Randy Kirgan Rig ww#6
 Location: Sec. 19 Twp. 4 Rge. 18W Co. Phillips State KS

Interval Tested 3170 3212 Zone Tested LRC-C
 Anchor Length 42 Drill Pipe Run 3057 Mud Wt. 8.9
 Top Packer Depth 3165 Drill Collars Run 120 Vis 50
 Bottom Packer Depth 3170 Wt. Pipe Run -0- WL 8.0
 Total Depth 3212 Chlorides 800 ppm System LCM 1 1/2 #

Blow Description IF: Weak blow, Built to 3in. over 30 mins.
EST: No blow back over 30 mins.
FF: Fair blow Built to B.O.B in 40 mins.
FST: weak blow back after 5mins Built to 1/4 in. over 60 mins.

Rec	Feet of	%gas	%oil	%water	%mud
0 0	160 gas in pipe				
20	90	10	90		
62	gwmco	20	50		30
62	gwmco	5	60	5	30
62	gwmco	20	15	5	60

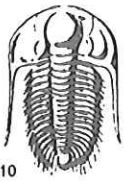
Rec Total 206 BHT 92.3 Gravity 40.5 API RW @ °F Chlorides ppm

(A) Initial Hydrostatic 1622 Test 1125 T-On Location 14:30
 (B) First Initial Flow 19 Jars T-Started 16:00
 (C) First Final Flow 68 Safety Joint T-Open 17:47
 (D) Initial Shut-In 979 Circ Sub T-Pulled 21:00
 (E) Second Initial Flow 70 Hourly Standby T-Out 23:02
 (F) Second Final Flow 92 Mileage 70x2 = 140x1.40 Comments 1916
 (G) Final Shut-In 991 Sampler
 (H) Final Hydrostatic 1534 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies

Initial Open 30 Extra Recorder Sub Total 0
 Initial Shut-In 30 Day Standby Total 1321
 Final Flow 60 Accessibility MP/DST Disc't
 Final Shut-In 60 Sub Total 1321

Approved By _____ Our Representative Chuck Hays

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.



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BY: _____

Test Ticket

NO. 042942

Well Name & No. Sutley A#1 Test No. 2 Date 12-09-11
 Company John O Farmer, Inc. Elevation 1942 KB 1937 GL
 Address 370 W. Wichita Ave. P.O. Box 352 Russell Ks, 67665
 Co. Rep / Geo. Randy Kilbyan Rig WW#6
 Location: Sec. 19 Twp. 4 Rge. 18W Co. Phillips State Ks

Interval Tested 3214 3230 Zone Tested LKC-D
 Anchor Length 16 Drill Pipe Run _____ Mud Wt. 8.9
 Top Packer Depth 3209 Drill Collars Run 120 Vis 50
 Bottom Packer Depth 3214 Wt. Pipe Run -0- WL 8.0
 Total Depth 3230 Chlorides 800 ppm System LCM 1% #

Blow Description IF: Pushed Through 10 ft. of Fill, Tool opened and slid another 5 ft., Bled off blow. Weak blow, died in 10 mins. ISI: No blow back over 30 mins.
FF: Flushed tool, No blow over 30 mins
FSP: No blow back over 30 mins.

Rec	Feet of	%gas	%oil	%water	100% 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

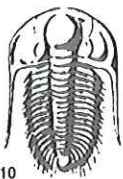
Rec Total 10 BHT 90.9 Gravity _____ API RW _____ @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic 1580 Test 1125 T-On Location 4:10
 (B) First Initial Flow 30 Jars _____ T-Started 4:30
 (C) First Final Flow 30 Safety Joint _____ T-Open 5:51
 (D) Initial Shut-In 94 Circ Sub _____ T-Pulled 8:00
 (E) Second Initial Flow 31 Hourly Standby _____ T-Out 9:27
 (F) Second Final Flow 33 Mileage 70 x 2 = 140 x 1.40 = 196 Comments _____
 (G) Final Shut-In 70 Sampler _____
 (H) Final Hydrostatic 1609 Straddle _____ Ruined Shale Packer _____

Initial Open 30 Shale Packer _____ Ruined Packer _____
 Initial Shut-In 30 Extra Packer _____ Extra Copies _____
 Final Flow 30 Extra Recorder _____ Sub Total 0
 Final Shut-In 30 Day Standby _____ Total 1321
 Sub Total 1321 Accessibility _____ MP/DST Disc't _____

Approved By _____

Our Representative Chad [Signature]



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Test Ticket

NO. 042943

4/10

BY:

Well Name & No. Sutley A#1 Test No. 3 Date 12-09-11
 Company John O Farmer Elevation 1942 KB 1937 GL
 Address 370 W. Wichita Ave. P.O. Box 352 Russell KS. 67665
 Co. Rep / Geo. Rand Y Killigan Rig WW# 6
 Location: Sec. 19 Twp. 4 Rge. 18W Co. Phillips State K5

Interval Tested 3215 3255 Zone Tested LKC-D-F
 Anchor Length 40 Drill Pipe Run _____ Mud Wt. 9.2
 Top Packer Depth 3210 Drill Collars Run 120 Vis 45
 Bottom Packer Depth 3215 Wt. Pipe Run 0- WL 8.8
 Total Depth 3255 Chlorides 1000 ppm System LCM 1 1/2 #

Blow Description IF: Weak blow, died in 5 mins.
ESI: No blow back over 30 mins.
FF: No blow over 30 mins.
FSE: No blow back over 30 mins.

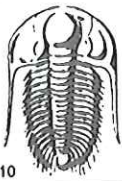
Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>mud with oil specs</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 30 BHT 88.6 Gravity _____ API RW _____ @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic 1564 Test 1125 T-On Location 14:50
 (B) First Initial Flow 35 Jars _____ T-Started 15:10
 (C) First Final Flow 38 Safety Joint _____ T-Open 18:57
 (D) Initial Shut-In 1008 Circ Sub _____ T-Pulled 19:05
 (E) Second Initial Flow 41 Hourly Standby _____ T-Out 20:28
 (F) Second Final Flow 43 Mileage 70 x 2 = 140 x 1.40 / 910 Comments Sled 10 ft. after
 (G) Final Shut-In 971 Sampler _____ tool opened
 (H) Final Hydrostatic 1556 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 30 Day Standby _____ Total 1321
 Final Flow 30 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 30 Sub Total 1321

Approved By _____ Our Representative Chup...

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DEC 14 2011

Test Ticket

NO. 042944

4/10

BY: _____

Well Name & No. Sutter A #1 Test No. 4 Date 12-10-2011
 Company John O Farmer Elevation 1942 KB 1937 GL _____
 Address 370 W. Wrecksta Ave. P.O. Box 352 Russell KS. 67605
 Co. Rep / Geo. Randy Killigan Rig WW #6
 Location: Sec. 10 Twp. 4 Rge. 18W Co. Phillips State K

Interval Tested 3271 3370 Zone Tested LKC H-K
 Anchor Length _____ 99 Drill Pipe Run 3146 Mud Wt. 9.2
 Top Packer Depth _____ 3266 Drill Collars Run 120 Vis 45
 Bottom Packer Depth _____ 3271 Wt. Pipe Run 0 WL 8-8
 Total Depth _____ 3370 Chlorides 1000 ppm System LCM 1 1/2 #

Blow Description IF: weak blow, died in 10 min.
ISI: No blow back
FF: No blow
FST: No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</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 5 BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic _____ <u>1600</u>	<input checked="" type="checkbox"/> Test <u>1125</u>	T-On Location _____ <u>11:30</u>
(B) First Initial Flow _____ <u>13</u>	<input type="checkbox"/> Jars _____	T-Started _____ <u>11:50</u>
(C) First Final Flow _____ <u>25</u>	<input type="checkbox"/> Safety Joint _____	T-Open _____
(D) Initial Shut-In _____ <u>957</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled _____ <u>15:30</u>
(E) Second Initial Flow _____ <u>27</u>	<input type="checkbox"/> Hourly Standby _____	T-Out _____ <u>17:19</u>
(F) Second Final Flow _____ <u>34</u>	<input checked="" type="checkbox"/> Mileage <u>70 x 2 = 140 x 0.40 = 196</u>	Comments _____
(G) Final Shut-In _____ <u>860</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic _____ <u>1569</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open _____ <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In _____ <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow _____ <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In _____ <u>30</u>	<input type="checkbox"/> Day Standby _____	Total <u>1321</u>
	<input checked="" type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1321</u>	

Approved By _____ Our Representative [Signature]

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