

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **John O Farmer**

PO Box 352
Russell KS 67665

ATTN: Randy Kilian

7 9S 21W Graham KS

Foster-Buss #1

Start Date: 2006.09.15 @ 11:15:20

End Date: 2006.09.15 @ 17:47:20

Job Ticket #: 24020 DST #: 1

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

John O Farmer

Foster-Buss #1

PO Box 352
Russell KS 67665

7 9S 21W Graham KS

Job Ticket: 24020

DST#: 1

ATTN: Randy Kilian

Test Start: 2006.09.15 @ 11:15:20

GENERAL INFORMATION:

Formation: **LKC-"C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:03:05

Time Test Ended: 17:47:20

Test Type: Conventional Bottom Hole

Tester: Jason McInmore

Unit No: 32

Interval: **3470.00 ft (KB) To 3495.00 ft (KB) (TVD)**

Total Depth: 3495.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 2235.00 ft (KB)

2227.00 ft (CF)

KB to GRVCF: 8.00 ft

Serial #: 6719

Inside

Press@RunDepth: 109.88 psig @ 3472.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2006.09.15

End Date: 2006.09.15

Last Calib.: 2006.09.15

Start Time: 11:15:22

End Time: 17:47:20

Time On Btm: 2006.09.15 @ 13:02:50

Time Off Btm: 2006.09.15 @ 16:06:35

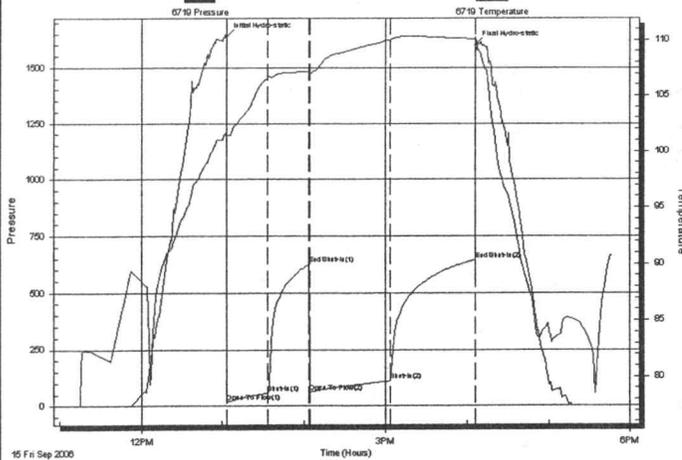
TEST COMMENT: IFP Fair Blow BOB in 28 Min.

ISI Dead

FFP Fair Blow BOB in 45 Min.

FSI Weak Blow back On Surface After 20 Min Died in 10 Min

Pressure vs. Time



PRESSURE SUMMARY

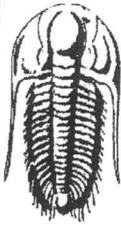
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1640.27	101.56	Initial Hydro-static
1	16.64	101.23	Open To Flow (1)
31	57.11	106.60	Shut-In(1)
61	625.17	107.14	End Shut-In(1)
61	60.55	106.98	Open To Flow (2)
121	109.88	110.00	Shut-In(2)
184	645.07	110.06	End Shut-In(2)
184	1601.11	110.23	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Free Oil	0.14
190.00	SMW 95%W 5%M	2.67

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer

Foster-Buss #1

PO Box 352
Russell KS 67665

7 9S 21W Graham KS

ATTN: Randy Kilian

Job Ticket: 24020

DST#: 1

Test Start: 2006.09.15 @ 11:15:20

Tool Information

Drill Pipe:	Length: 3463.00 ft	Diameter: 3.80 inches	Volume: 48.58 bbl	Tool Weight: 2200.00 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: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 56000.00 lb
			Total Volume: 48.58 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3470.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	46.00 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			3450.00	
Shut In Tool	5.00			3455.00	
Hydraulic tool	5.00			3460.00	
Packer	5.00			3465.00	21.00 Bottom Of Top Packer
Packer	5.00			3470.00	
Stubb	1.00			3471.00	
Perforations	1.00			3472.00	
Recorder	0.00	6719	Inside	3472.00	
Perforations	20.00			3492.00	
Recorder	0.00	13221	Outside	3492.00	
Bullnose	3.00			3495.00	25.00 Bottom Packers & Anchor

Total Tool Length: 46.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer

Foster-Buss #1

PO Box 352
Russell KS 67665

7 9S 21W Graham KS

Job Ticket: 24020

DST#: 1

ATTN: Randy Kilian

Test Start: 2006.09.15 @ 11:15:20

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

34 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

26000 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Free Oil	0.140
190.00	SMW 95%W 5%M	2.665

Total Length: 200.00 ft Total Volume: 2.805 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6719

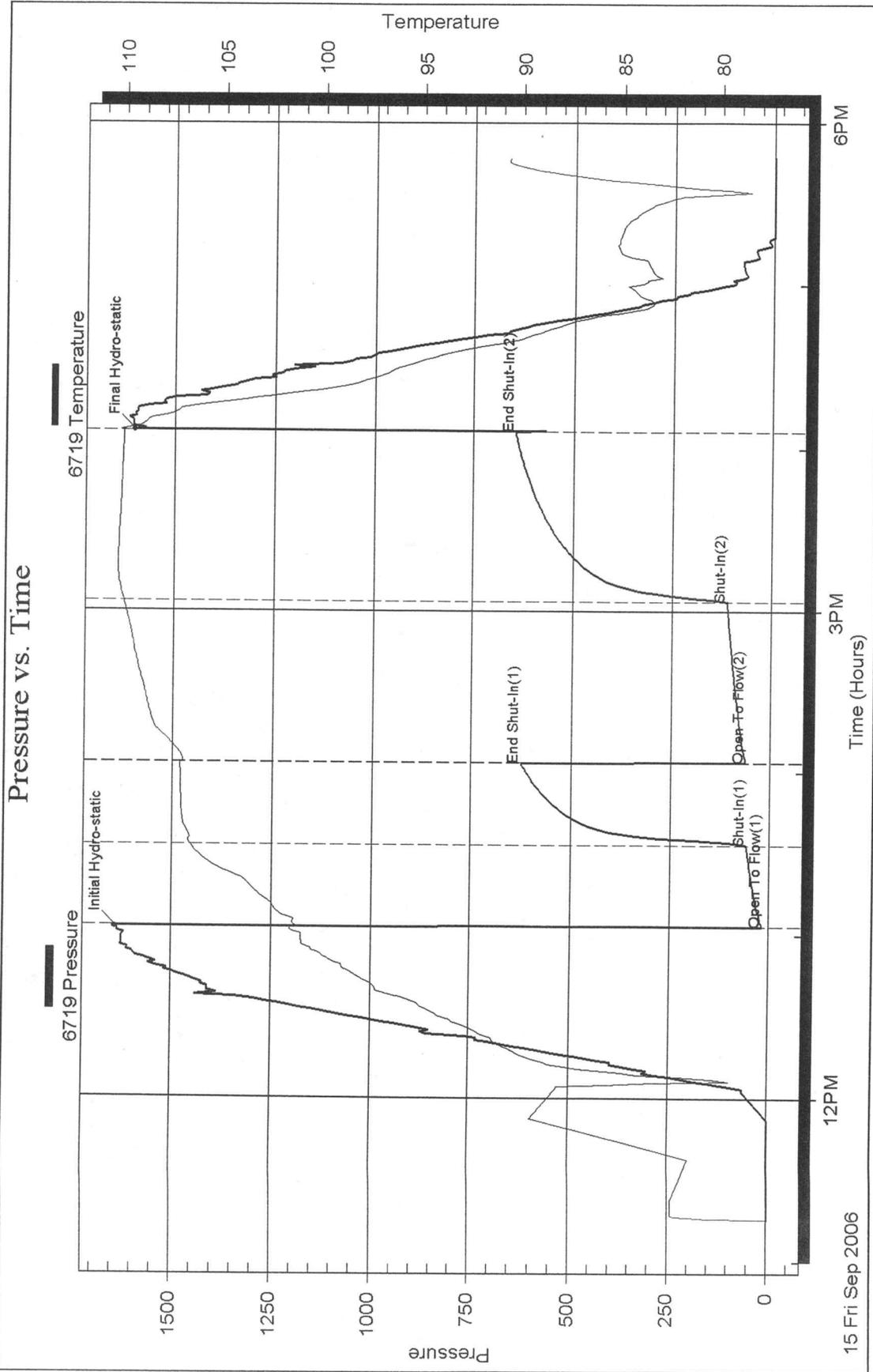
Inside

John O Farmer

7 9S 21W Graham KS

DST Test Number: 1

Pressure vs. Time



15 Fri Sep 2006

12PM

3PM

6PM



DRILL STEM TEST REPORT

Prepared For: **John O Farmer**

PO Box 352
Russell KS 67665

ATTN: Randy Kilian

7 9S 21W Graham KS

Foster-Buss #1

Start Date: 2006.09.17 @ 00:14:42

End Date: 2006.09.17 @ 04:50:12

Job Ticket #: 24021 DST #: 2

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

John O Farmer

Foster-Buss #1

PO Box 352
Russell KS 67665

7 9S 21W Graham KS

ATTN: Randy Kilian

Job Ticket: 24021

DST#: 2

Test Start: 2006.09.17 @ 00:14:42

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:52:12

Time Test Ended: 04:50:12

Test Type: Conventional Straddle

Tester: Jason Mclemore

Unit No: 32

Interval: **3787.00 ft (KB) To 3807.00 ft (KB) (TVD)**

Total Depth: 3850.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 2235.00 ft (KB)

2227.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6719

Inside

Press@RunDepth: 19.08 psig @ 3798.00 ft (KB)

Start Date: 2006.09.17

End Date:

2006.09.17

Capacity: 7000.00 psig

Last Calib.: 2006.09.17

Start Time: 00:14:44

End Time:

04:50:12

Time On Btm: 2006.09.17 @ 01:51:57

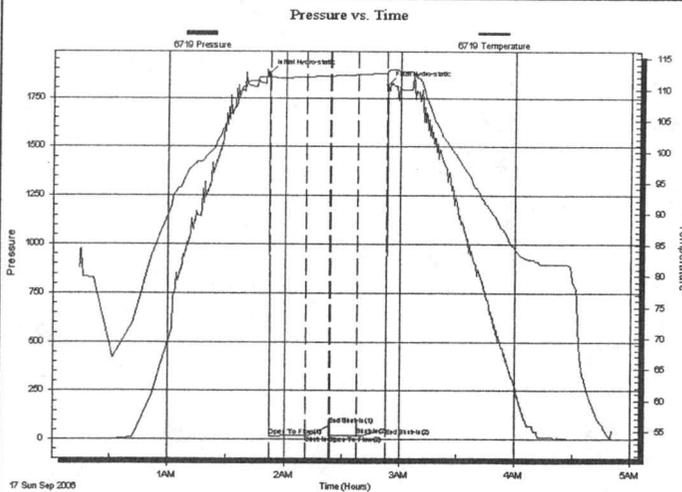
Time Off Btm: 2006.09.17 @ 02:53:12

TEST COMMENT: IFP Weak Blow Built to 1/2 "

ISI Dead

FFP Dead

FSI Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1876.17	112.37	Initial Hydro-static
1	17.00	112.02	Open To Flow (1)
19	19.55	111.98	Shut-In(1)
32	73.63	112.18	End Shut-In(1)
32	18.90	112.17	Open To Flow (2)
46	19.08	112.38	Shut-In(2)
61	59.97	112.63	End Shut-In(2)
62	1816.09	112.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	Mud	0.04

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer

Foster-Buss #1

PO Box 352
Russell KS 67665

7 9S 21W Graham KS

ATTN: Randy Kilian

Job Ticket: 24021

DST#: 2

Test Start: 2006.09.17 @ 00:14:42

Tool Information

Drill Pipe:	Length: 3778.00 ft	Diameter: 3.80 inches	Volume: 53.00 bbl	Tool Weight: 2200.00 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: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 54000.00 lb
		Total Volume:	53.00 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3787.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	3807.00 ft			
Interval between Packers:	20.00 ft			
Tool Length:	84.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3767.00	
Shut In Tool	5.00			3772.00	
Hydraulic tool	5.00			3777.00	
Packer	5.00			3782.00	21.00 Bottom Of Top Packer
Packer	5.00			3787.00	
Stubb	1.00			3788.00	
Perforations	10.00			3798.00	
Recorder	0.00	6719	Inside	3798.00	
Perforations	5.00			3803.00	
Blank Off Sub	1.00			3804.00	
Blank Spacing	3.00			3807.00	20.00 Tool Interval
Packer	1.00			3808.00	
Stubb	1.00			3809.00	
Perforations	5.00			3814.00	
Change Over Sub	1.00			3815.00	
Recorder	0.00	13221	Below	3815.00	
Blank Spacing	31.00			3846.00	
Change Over Sub	1.00			3847.00	
Bullnose	3.00			3850.00	43.00 Bottom Packers & Anchor

Total Tool Length: 84.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer

Foster-Buss #1

PO Box 352
Russell KS 67665

7 9S 21W Graham KS

Job Ticket: 24021 **DST#: 2**

ATTN: Randy Kilian

Test Start: 2006.09.17 @ 00:14:42

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: 46.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	Mud	0.042

Total Length: 3.00 ft Total Volume: 0.042 bbl

Num Fluid Samples: 0

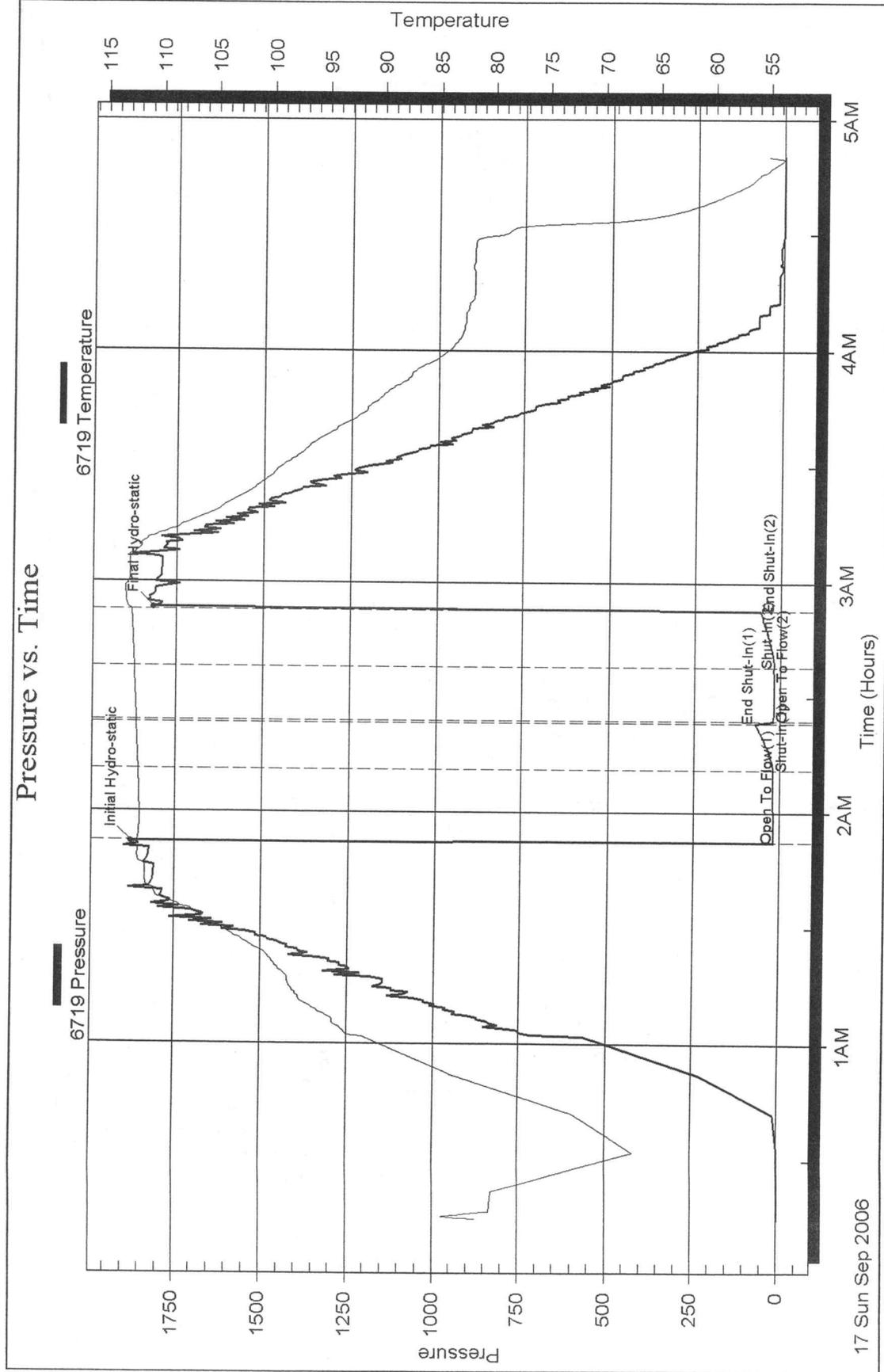
Num Gas Bombs: 0

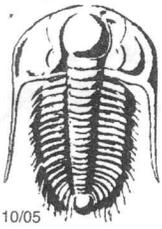
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 24020

9241

Test Ticket

Well Name & No. Foster - Buss #1 Test No. 1 Date 9-15-06
 Company John O Farmer Inc. Zone Tested LKC "C"
 Address PO Box 352, Russell, Ks. 67665 Elevation 2235 KB 2227 GL
 Co. Rep / Geo. Randy Kilian Rig Discovery #1
 Location: Sec. 7 Twp. 9s Rge. 2W Co. Graham State Ks
 Comment: _____ Release date / time: _____

Interval Tested 3470-3495 Initial Str Wt./Lbs. 52,000 Unseated Str Wt./Lbs. 54,000
 Anchor Length 25' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 56,000
 Top Packer Depth 3465 Tool Weight 2200
 Bottom Packer Depth 3470 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 3495 Wt. Pipe Run 0 Drill Collar Run 0
 Mud Wt. 8.9 LCM 1/2" Vis. 46 WL 8.0 Drill Pipe Size 4 1/2XH Ft. Run 3463
 Blow Description IFP - Fair Blow, BOB in 28 min.

ISI - Dead
FFP - Fair Blow, BOB in 45 min.
FSI - Weak Blowback on surface after 20 min, Died in 10 min.

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
Rec. <u>10</u>	Feet of <u>Free Oil</u>	%gas	%oil %water %mud
Rec. <u>190</u>	Feet of <u>SMW</u>	%gas	%oil <u>95</u> %water <u>5</u> %mud
Rec. _____	Feet of _____	%gas	%oil %water %mud
Rec. _____	Feet of _____	%gas	%oil %water %mud
Rec. _____	Feet of _____	%gas	%oil %water %mud

BHT 110 °F Gravity 37 °API D @ 90 °F Corrected Gravity 34 °API
 RW .205 @ 90 °F Chlorides 26,000 ppm Recovery Chlorides 35.00 ppm System

AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1640</u> PSI	<u>6719</u>	<u>1100</u>
(B) First Initial Flow Pressure	<u>17</u> PSI	(depth) <u>3472</u>	Jars _____
(C) First Final Flow Pressure	<u>57</u> PSI	Recorder No. <u>13221</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>625</u> PSI	(depth) <u>3492</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>61</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>110</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>645</u> PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1601</u> PSI	Initial Shut-In <u>30</u>	Shale Packer _____
		Final Flow <u>60</u>	Ruined Packer _____
		Final Shut-In <u>60</u>	Mileage <u>114.77</u> <u>142.50</u>

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.

Approved By _____
 Our Representative G. Mc Lemore Hank

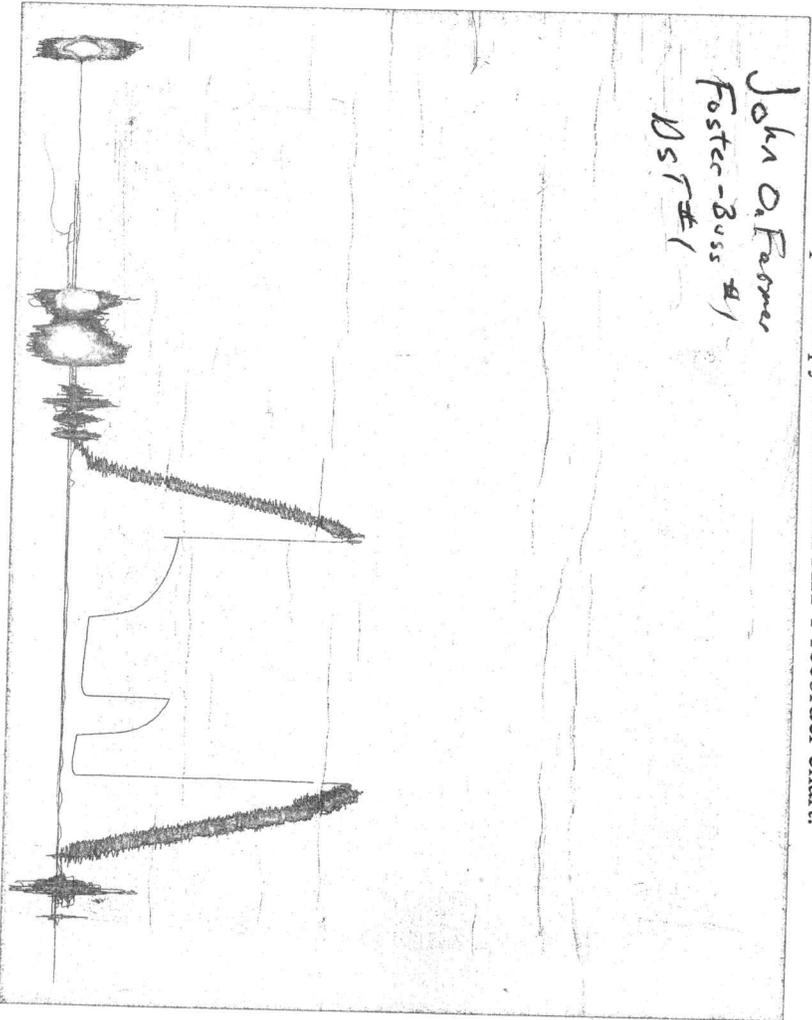
T-On Location 10:00
 T-Started 11:15
 T-Open 13:36
 T-Pulled 16:36
 T-Out 18:20

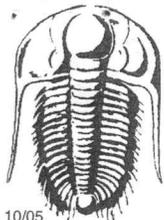
Sub Total: _____
 Std. By 14 25
 Acc. Chg: _____
 Other: _____
 Total: \$1267.50

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.

John O. Foster
Foster-Buss #1
DST #1





TRILOBITE TESTING INC.

No 24021

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

Well Name & No. Foster-Buss #1 Test No. 2 Date 9-16-06
 Company John O Farmer, Inc Zone Tested Arbuckle
 Address PO Box 352, Russell, Ks, 67665 Elevation 2235 KB 2227 GL
 Co. Rep / Geo. Randy Kilian Rig Discovery #1
 Location: Sec. 7 Twp. 9s Rge. 21w Co. Graham State Ks
 Comment: _____ Release date / time: _____

Interval Tested 3787 - 3807 Initial Str Wt./Lbs. 52,000 Unseated Str Wt./Lbs. 52,000
 Anchor Length 20' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 54,000
 Top Packer Depth 3782 Tool Weight 2200
 Bottom Packer Depth 3787 straddle @ 3807 Hole Size 7 7/8" Rubber Size 6 3/4" ✓
 Total Depth 3850 Wt. Pipe Run 0 Drill Collar Run 0
 Mud Wt. 8.9 LCM Tr Vis. 46 WL 8.0 Drill Pipe Size 4 1/2 X 4 Ft. Run 3778
 Blow Description IFF - Weak Blow, Built to 1/2"
ISI - Dead
FFP - Dead
FSI - Dead

Recovery - Total Feet 3 GIP _____ Ft. in DC _____ Ft. in DP _____
 Rec. 3 Feet of Mud %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. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 113° °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 3,500 ppm System

AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1876</u> PSI	<u>6719</u>	<u>1100</u>
(B) First Initial Flow Pressure	<u>17</u> PSI	(depth) <u>3798</u>	Jars _____
(C) First Final Flow Pressure	<u>20</u> PSI	Recorder No. <u>13221</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>74</u> PSI	(depth) <u>3814</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>19</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>19</u> PSI	(depth) _____	Straddle <u>600</u>
(G) Final Shut-In Pressure	<u>60</u> PSI	Initial Opening <u>15</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1816</u> PSI	Initial Shut-In <u>15</u>	Shale Packer _____
		Final Flow <u>15</u>	Ruined Packer _____
		Final Shut-In <u>15</u>	Mileage <u>114 RT 142.50</u>
		T-On Location <u>23:40</u>	Sub Total: _____
		T-Started <u>00:14</u>	Std. By <u>\$1842.50</u>
		T-Open <u>1:53</u>	Acc. Chg: _____
		T-Pulled <u>2:53</u>	Other: _____
		T-Out <u>4:50</u>	Total: _____

Approved By _____

Our Representative J. Mc Lemore *thank you*

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This is a photocopy of the actual AK-1 recorder chart.

CHART PAGE

John D. Farmer
Foster/Buss #1
DST #2
Below Straddle

