

DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

P O Box 352
Russell Ks 67665

ATTN: John O Farmer IV

6-15s-12w Russell Ks

Ross/Hupfer Unit #1

Start Date: 2004.06.27 @ 21:21:25

End Date: 2004.06.28 @ 03:12:54

Job Ticket #: 20029 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

John O Farmer Inc

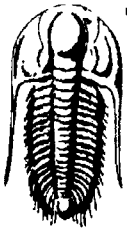
Ross/Hupfer Unit #1

6-15s-12w Russell Ks

DST # 1

LKC B-F

2004.06.27



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

John O Farmer Inc

P O Box 352
Russell Ks 67665

ATTN: John O Farmer IV

Ross/Hupfer Unit #1

6-15s-12w Russell Ks

Job Ticket: 20029

DST#: 1

Test Start: 2004.06.27 @ 21:21:25

GENERAL INFORMATION:

Formation: **LKC B-F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:11:24

Time Test Ended: 03:12:54

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 28

Interval: **2980.00 ft (KB) To 3060.00 ft (KB) (TVD)**

Total Depth: 3060.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 1792.00 ft (KB)

1784.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6668

Inside

Press@RunDepth: 253.99 psig @ 2983.01 ft (KB)

Start Date: 2004.06.27

End Date:

2004.06.28

Start Time: 21:21:25

End Time:

03:12:54

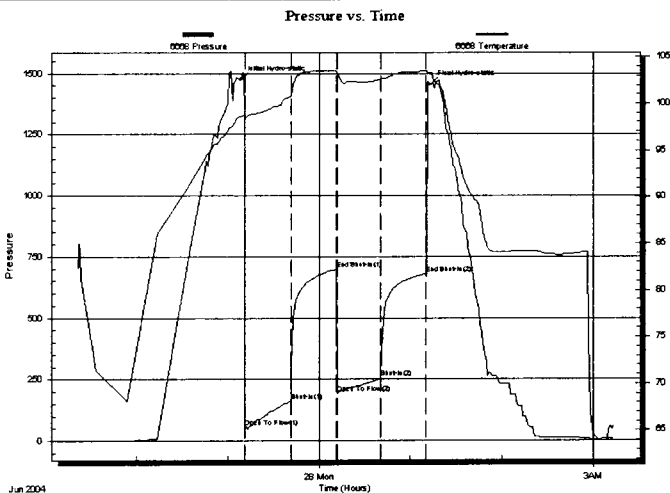
Capacity: 7000.00 psig

Last Calib.: 2004.06.28

Time On Btm: 2004.06.27 @ 23:08:24

Time Off Btm: 2004.06.28 @ 01:13:24

TEST COMMENT: IFP- w k to strg in 2 min
FFP-strg bl thru-out
ISIP-strg bl thru-out FSIP-strg bl
Times 30-30-30-30



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1475.20	98.57	Initial Hydro-static
3	53.72	98.35	Open To Flow (1)
33	162.48	100.81	Shut-In(1)
63	698.61	103.47	End Shut-In(1)
64	192.33	103.31	Open To Flow (2)
93	253.99	102.57	Shut-In(2)
122	680.10	103.48	End Shut-In(2)
125	1454.79	103.33	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
435.00	water RW .09@65F	5.83
45.00	GO&WCM 35gas 15oil 20w ater 30mud	0.63
63.00	GOCMW 34gas 6oil 40w ater 20mud	0.88
63.00	SO&GCW 10gas 3oil 87w ater	0.88
0.00	1070 'GIP	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

P O Box 352
Russell Ks 67665

ATTN: John O Farmer IV

Ross/Hupfer Unit #1

6-15s-12w Russell Ks

Job Ticket: 20029

DST#: 1

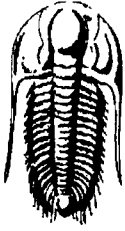
Test Start: 2004.06.27 @ 21:21:25

Tool Information

Drill Pipe:	Length: 2952.00 ft	Diameter: 3.80 inches	Volume: 41.41 bbl	Tool Weight: 2200.00 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 41.56 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 34000.00 lb
Depth to Top Packer:	2980.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	80.02 ft			
Tool Length:	101.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			2960.00	
Shut In Tool	5.00			2965.00	
Hydraulic tool	5.00			2970.00	
Packer	5.00			2975.00	21.00 Bottom Of Top Packer
Packer	5.00			2980.00	
Stubb	1.00			2981.00	
Perforations	1.00			2982.00	
Change Over Sub	1.00			2983.00	
Recorder	0.01	6668	Inside	2983.01	
Blank Spacing	60.00			3043.01	
Change Over Sub	1.00			3044.01	
Perforations	13.00			3057.01	
Recorder	0.01	11085	Outside	3057.02	
Bullnose	3.00			3060.02	80.02 Bottom Packers & Anchor

Total Tool Length: 101.02



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

Ross/Hupfer Unit #1

P O Box 352
Russell Ks 67665

6-15s-12w Russell Ks

Job Ticket: 20029

DST#: 1

ATTN: John O Farmer IV

Test Start: 2004.06.27 @ 21:21:25

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:

95000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.36 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
435.00	w ater RW .09@65F	5.829
45.00	GO&WCM 35gas 15oil 20w ater 30mud	0.631
63.00	GOCMW 34gas 6oil 40w ater 20mud	0.884
63.00	SO&GCW 10gas 3oil 87w ater	0.884
0.00	1070 'GIP	0.000

Total Length: 606.00 ft Total Volume: 8.228 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

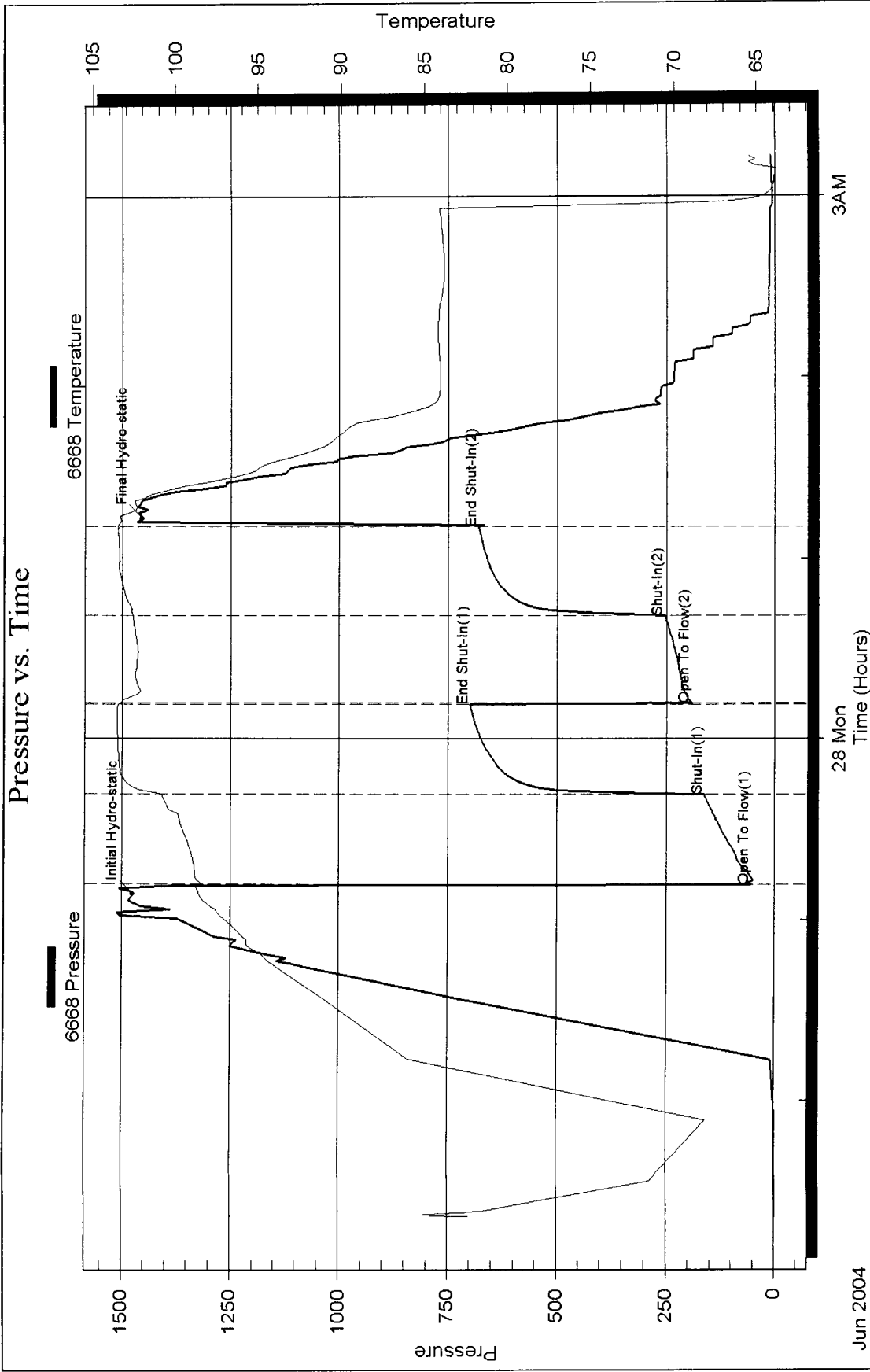
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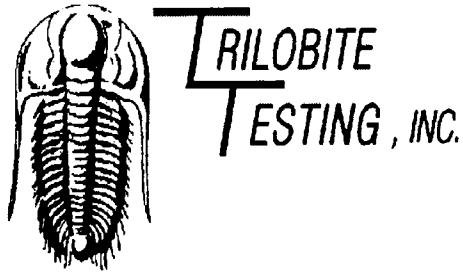
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

P O Box 352
Russell Ks 67665

ATTN: John O Farmer IV

6-15s-12w Russell Ks

Ross/Hupfer Unit #1

Start Date: 2004.06.28 @ 11:40:07

End Date: 2004.06.28 @ 16:32:36

Job Ticket #: 20030 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

John O Farmer Inc

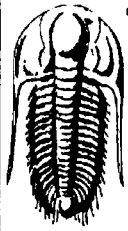
Ross/Hupfer Unit #1

6-15s-12w Russell Ks

DST # 2

LKC H-J

2004.06.28



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

John O Farmer Inc

P O Box 352
Russell Ks 67665

ATTN: John O Farmer IV

Ross/Hupfer Unit #1

6-15s-12w Russell Ks

Job Ticket: 20030

DST#: 2

Test Start: 2004.06.28 @ 11:40:07

GENERAL INFORMATION:

Formation: **LKC H-J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:17:06

Time Test Ended: 16:32:36

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 28

Interval: **3096.00 ft (KB) To 3179.00 ft (KB) (TVD)**

Total Depth: 3179.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 1792.00 ft (KB)

1784.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6668

Inside

Press@RunDepth: 40.64 psig @ 3099.01 ft (KB)

Start Date: 2004.06.28

End Date: 2004.06.28

Capacity: 7000.00 psig

Last Calib.: 2004.06.28

Start Time: 11:40:07

End Time: 17:32:36

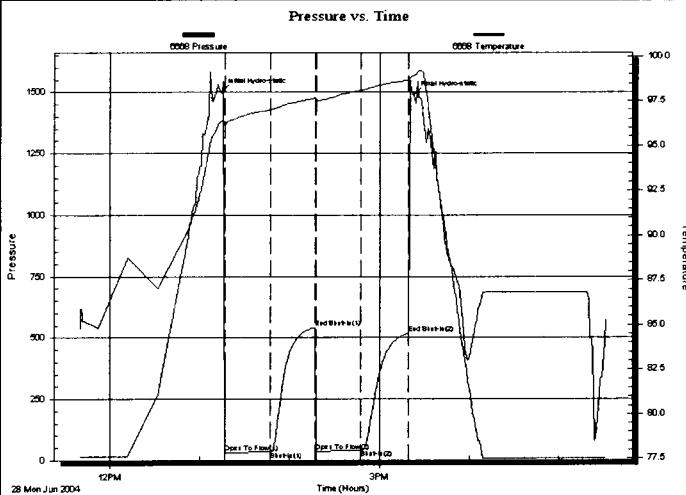
Time On Btm: 2004.06.28 @ 13:14:36

Time Off Btm: 2004.06.28 @ 15:23:06

TEST COMMENT: IFF-wk surface bl died in 10 min

FFP-no bl

Times 30-30-30-30



PRESSURE SUMMARY

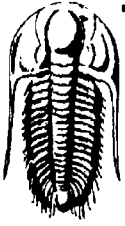
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1500.10	96.36	Initial Hydro-static
3	32.17	96.03	Open To Flow (1)
33	34.62	97.00	Shut-In (1)
63	542.62	97.66	End Shut-In (1)
63	34.38	97.52	Open To Flow (2)
93	40.64	98.10	Shut-In (2)
125	518.35	98.67	End Shut-In (2)
129	1491.38	98.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	mud	0.10

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc

P O Box 352
Russell Ks 67665

ATTN: John O Farmer IV

Ross/Hupfer Unit #1

6-15s-12w Russell Ks

Job Ticket: 20030

DST#: 2

Test Start: 2004.06.28 @ 11:40:07

Tool Information

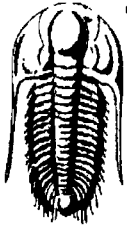
Drill Pipe:	Length: 3075.00 ft	Diameter: 3.80 inches	Volume: 43.13 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 43.28 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	3096.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	83.02 ft			
Tool Length:	104.02 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			3076.00	
Shut In Tool	5.00			3081.00	
Hydraulic tool	5.00			3086.00	
Packer	5.00			3091.00	21.00 Bottom Of Top Packer
Packer	5.00			3096.00	
Stubb	1.00			3097.00	
Perforations	1.00			3098.00	
Change Over Sub	1.00			3099.00	
Recorder	0.01	6668	Inside	3099.01	
Blank Spacing	60.00			3159.01	
Change Over Sub	1.00			3160.01	
Perforations	16.00			3176.01	
Recorder	0.01	11085	Outside	3176.02	
Bullnose	3.00			3179.02	83.02 Bottom Packers & Anchor

Total Tool Length: 104.02



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DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

Ross/Hupfer Unit #1

P O Box 352
Russell Ks 67665

6-15s-12w Russell Ks

Job Ticket: 20030

DST#: 2

ATTN: John O Farmer IV

Test Start: 2004.06.28 @ 11:40:07

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: 49.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.76 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	mud	0.098

Total Length: 20.00 ft

Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

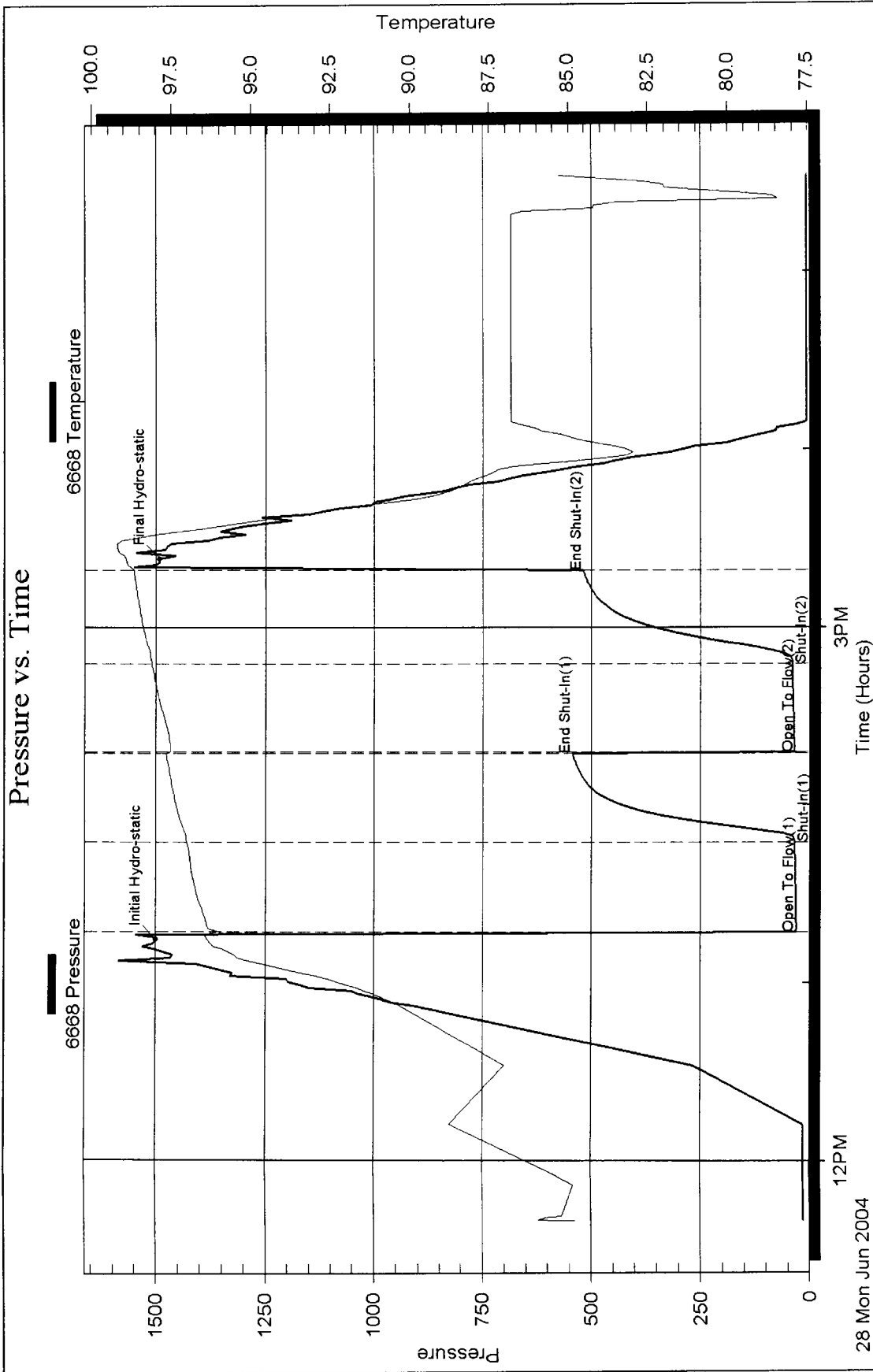
Serial #: 6668

Inside

John O Farmer Inc

6-15s-12w Russell Ks

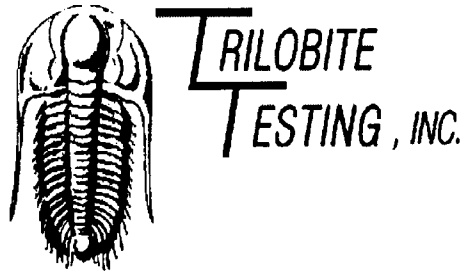
DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 20030

Printed: 2004.07.01 @ 10:50:38 Page 5



DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

P O Box 352
Russell Ks 67665

ATTN: John O Farmer IV

6-15s-12w Russell Ks

Ross/Hupfer Unit #1

Start Date: 2004.06.29 @ 01:45:07

End Date: 2004.06.29 @ 06:54:06

Job Ticket #: 20031 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

John O Farmer Inc

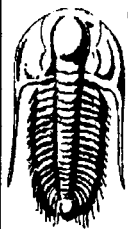
Ross/Hupfer Unit #1

6-15s-12w Russell Ks

DST # 3

Arbuckle

2004.06.29



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

John O Farmer Inc

Ross/Hupfer Unit #1

P O Box 352
Russell Ks 67665

6-15s-12w Russell Ks

Job Ticket: 20031

DST#: 3

ATTN: John O Farmer IV

Test Start: 2004.06.29 @ 01:45:07

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:28:06

Time Test Ended: 06:54:06

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 28

Interval: **3228.00 ft (KB) To 3267.00 ft (KB) (TVD)**

Reference Elevations: 1792.00 ft (KB)

Total Depth: 3267.00 ft (KB) (TVD)

1784.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6668 Inside

Press@RunDepth: 24.60 psig @ 3235.01 ft (KB)

Capacity: 7000.00 psig

Start Date: 2004.06.29

End Date:

2004.06.29

Last Calib.: 2004.06.29

Start Time: 01:45:07

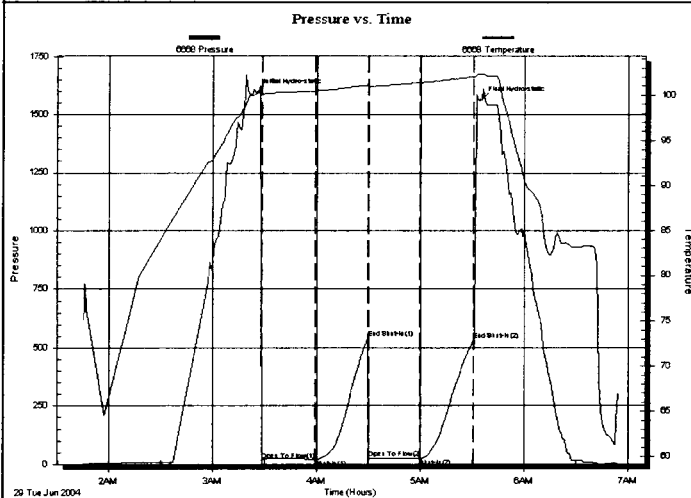
End Time:

06:54:06

Time On Btm: 2004.06.29 @ 03:25:06

Time Off Btm: 2004.06.29 @ 05:34:36

TEST COMMENT: IFF-wk surface bl died in 7 min
FFP-no bl
Times 30-30-30-30



PRESSURE SUMMARY

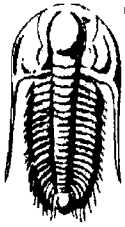
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1594.35	100.18	Initial Hydro-static
3	16.08	100.00	Open To Flow (1)
34	21.15	100.46	Shut-In(1)
64	541.46	101.12	End Shut-In(1)
65	24.48	100.97	Open To Flow (2)
94	24.60	101.38	Shut-In(2)
126	532.99	102.03	End Shut-In(2)
130	1560.65	102.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	CO	0.00
4.00	OCM 5%oil 95%mud	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc

Ross/Hupfer Unit #1

P O Box 352
Russell Ks 67665

6-15s-12w Russell Ks

Job Ticket: 20031

DST#: 3

ATTN: John O Farmer IV

Test Start: 2004.06.29 @ 01:45:07

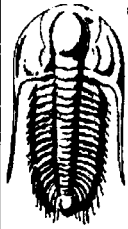
Tool Information

Drill Pipe:	Length: 3202.00 ft	Diameter: 3.80 inches	Volume: 44.92 bbl	Tool Weight: 2200.00 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 45.07 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	3228.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	39.02 ft			
Tool Length:	60.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3208.00	
Shut In Tool	5.00			3213.00	
Hydraulic tool	5.00			3218.00	
Packer	5.00			3223.00	21.00 Bottom Of Top Packer
Packer	5.00			3228.00	
Stubb	1.00			3229.00	
Perforations	6.00			3235.00	
Recorder	0.01	6668	Inside	3235.01	
Perforations	29.00			3264.01	
Recorder	0.01	11085	Outside	3264.02	
Bullnose	3.00			3267.02	39.02 Bottom Packers & Anchor

Total Tool Length: 60.02



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

Ross/Hupfer Unit #1

P O Box 352
Russell Ks 67665

6-15s-12w Russell Ks

Job Ticket: 20031

DST#: 3

ATTN: John O Farmer IV

Test Start: 2004.06.29 @ 01:45:07

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: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.34 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	CO	0.005
4.00	OCM 5%oil 95%mud	0.020

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:

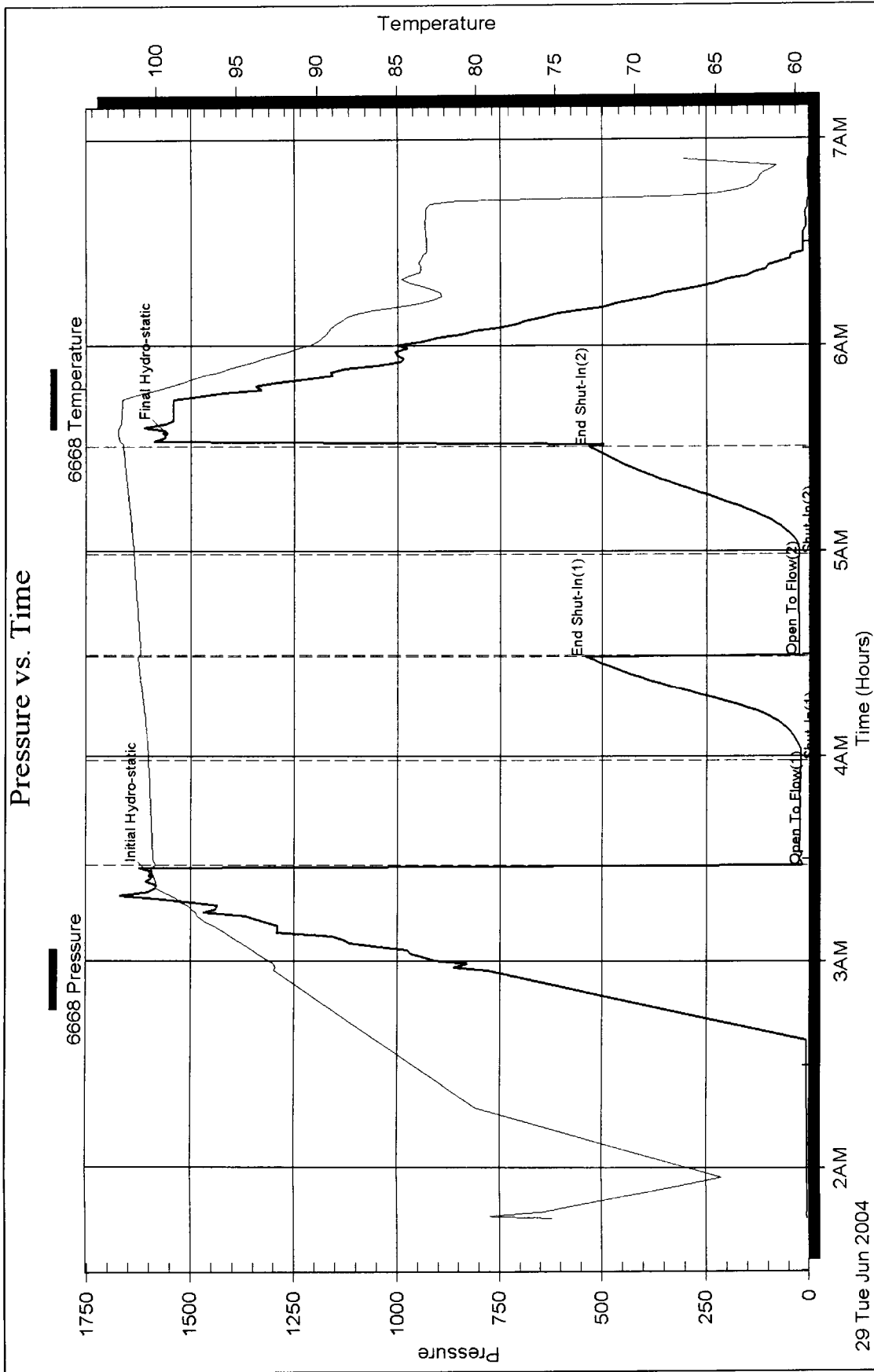
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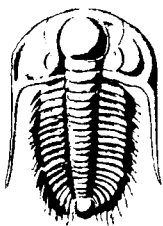
Inside

John O Farmer Inc

6-15s-12w Russell Ks

DST Test Number: 3





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

INW
6551

No 20029

05/03

Test Ticket

Well Name & No. Ross/Huffer Unit #1 Test No. 1 Date 6-27-04
 Company John O. Farmer, Inc Zone Tested LKC B-F
 Address P.O. Box 352 Russell, Ks 67665 Elevation 1792 KB 1784 GL
 Co. Rep / Geo. MATT Dreiling Cont. Discovery rig 2 Est. Ft. of Pay - Por. - %
 Location: Sec. 6 Twp. 15^s Rge. 12^w Co. Russell State Ks
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 2980 - 3060 Initial Str Wt./Lbs. 34000 Unseated Str Wt/Lbs. 38000
 Anchor Length 80 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 45000
 Top Packer Depth 2975 Tool Weight 2200
 Bottom Packer Depth 2980 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3060 Wt. Pipe Run - Drill Collar Run 30
 Mud Wt. 9.2 LCM TR Vis. 51 WL 8.4 Drill Pipe Size 4 1/2 XH Ft. Run 2952

Blow Description TFP - WEAK TO STRONG IN 2 min
FFP - STRONG Blow thru-out
ISIP - STRONG Blow BACK
FSIP - STRONG Blow BACK

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
<u>603</u>	<u>1070</u>	<u>30</u>	<u>573</u>
Rec. <u>435</u>	Feet of <u>WATER</u>	%gas _____ %oil _____	%water _____ %mud _____
Rec. <u>45</u>	Feet of <u>609 WCM</u>	<u>35</u> %gas <u>15</u> %oil	<u>20</u> %water <u>30</u> %mud
Rec. <u>63</u>	Feet of <u>606 CMW</u>	<u>34</u> %gas <u>6</u> %oil	<u>40</u> %water <u>20</u> %mud
Rec. <u>63</u>	Feet of <u>5046 CW</u>	<u>10</u> %gas <u>3</u> %oil	<u>87</u> %water _____ %mud
Rec. _____	Feet of _____	%gas _____ %oil _____	%water _____ %mud _____
BHT <u>103</u>	°F Gravity _____	°API D @ _____	°F Corrected Gravity _____ °API
RW <u>.09</u>	@ <u>65</u> °F	Chlorides <u>95000</u> ppm	Recovery _____ Chlorides <u>3000</u> ppm System

AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1475</u> PSI	<u>6668</u>	<input checked="" type="checkbox"/>
(B) First Initial Flow Pressure	<u>53</u> PSI	(depth) <u>2983</u>	Elec. Rec. <input checked="" type="checkbox"/>
(C) First Final Flow Pressure	<u>162</u> PSI	Recorder No. <u>11085</u>	Jars _____
(D) Initial Shut-In Pressure	<u>698</u> PSI	(depth) <u>3057</u>	Safety Jt. _____
(E) Second Initial Flow Pressure	<u>192</u> PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure	<u>253</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>680</u> PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>1454</u> PSI	Initial Shut-In <u>30</u>	Ext. Packer _____
		Final Flow <u>30</u>	Shale Packer _____
		Final Shut-In <u>30</u>	Mileage <u>42</u>
		T-On Location <u>2015</u>	Sub Total: <u>921.40</u>
		T-Started <u>2121</u>	Std. By _____
		T-Open <u>2310</u>	Other _____
		T-Pulled <u>0110</u>	Total: _____
		T-Out <u>0312</u>	

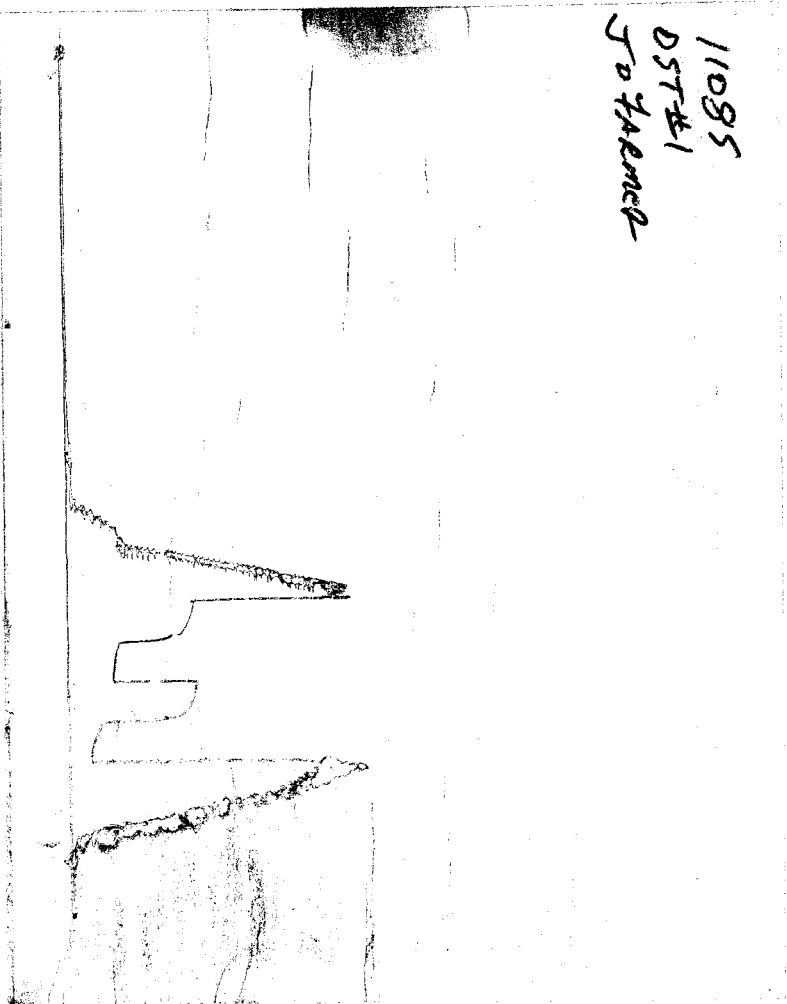
Approved By _____
 Our Representative Ray Schwager Thank you

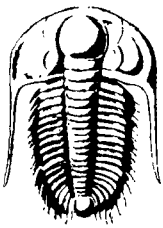
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CHART PAGE

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

11085
DSTA-1
J. J. J. J.





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 20030

05/03

Test Ticket

Well Name & No. Ross/Hufter Unit #1 Test No. 2 Date 6-28-04
 Company John O Farmer Inc Zone Tested LKC H-5
 Address P.O. Box 352 Russell Ks 67665 Elevation 1792 KB 1784 GL
 Co. Rep / Geo. MATT Deciling Cont. Discovery 1192 Est. Ft. of Pay - Por. - %
 Location: Sec. 6 Twp. 15^s Rge. 12^w Co. Russell State Ks
 No. of Copies Reg Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3096-3179 Initial Str Wt./Lbs. 36000 Unseated Str Wt./Lbs. 36000
 Anchor Length 83 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 50000
 Top Packer Depth 3091 Tool Weight 2200
 Bottom Packer Depth 3096 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3179 Wt. Pipe Run - Drill Collar Run 30
 Mud Wt. 9.3 LCM - Vis. 49 WL 8.8 Drill Pipe Size 4 1/2 XH Ft. Run 3075
 Blow Description JFP - Weak surface Blow died in 10 min
FFP - NO BLOW

Recovery - Total Feet 20 GIP - Ft. in DC 20 Ft. in DP -
 Rec. 20 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 98 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW - @ - °F Chlorides _____ ppm Recovery _____ Chlorides 4500 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>1500</u> PSI	<u>10668</u>	<input checked="" type="checkbox"/>
(B) First Initial Flow Pressure		<u>32</u> PSI	(depth) <u>3099</u>	Elec. Rec. <input checked="" type="checkbox"/>
(C) First Final Flow Pressure		<u>34</u> PSI	Recorder No. <u>11085</u>	Jars _____
(D) Initial Shut-In Pressure		<u>542</u> PSI	(depth) <u>3176</u>	Safety Jt. _____
(E) Second Initial Flow Pressure		<u>34</u> PSI	Recorder No. <u>-</u>	Circ Sub _____
(F) Second Final Flow Pressure		<u>40</u> PSI	(depth) <u>-</u>	Sampler _____
(G) Final Shut-In Pressure		<u>518</u> PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud		<u>1491</u> PSI	Initial Shut-In <u>30</u>	Ext. Packer _____
			Final Flow <u>30</u>	Shale Packer _____
			Final Shut-In <u>30</u>	Mileage <input checked="" type="checkbox"/> <u>42</u>

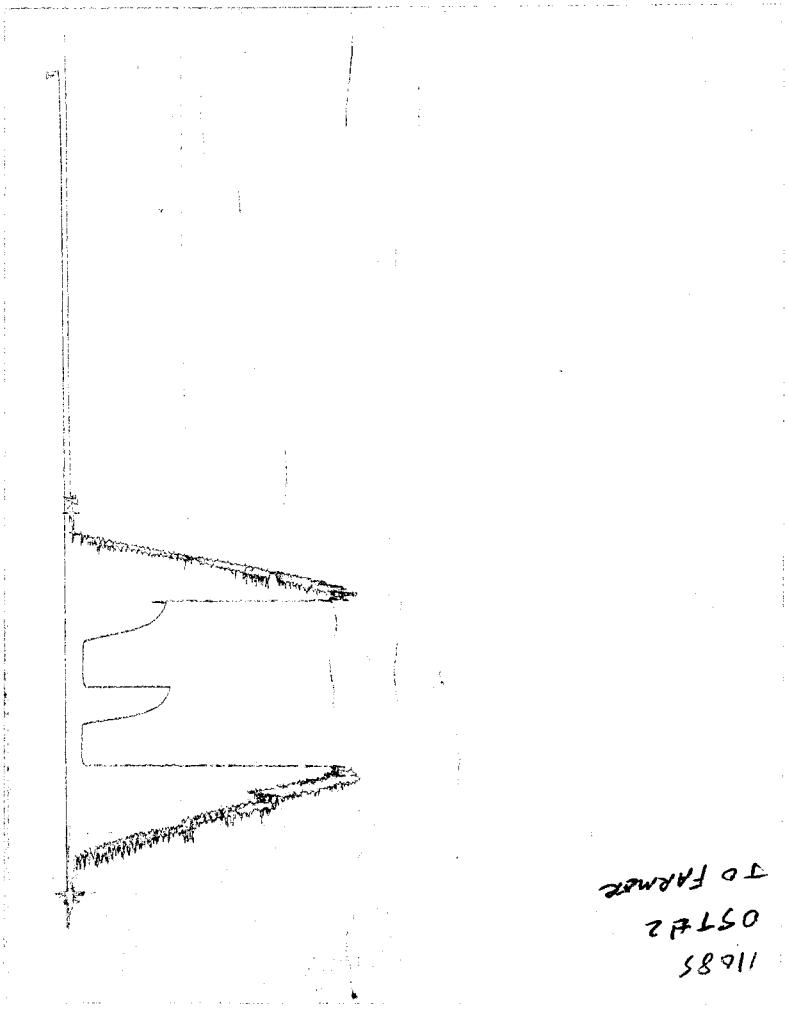
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Approved By _____ T-Started 1140 Std. By _____
 Our Representative Ray Schwager T-Open 1315 Other _____
Thank T-Pulled 151.5 Total: _____
404 T-Out 1632

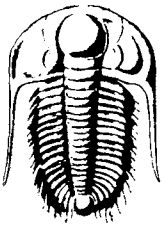
Sub Total: 921.40

CHART PAGE

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



11685
OST#2
TO FARMER



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 20031

05/03

Test Ticket

Well Name & No. Ross/Hupfer Unit #1 Test No. 3 Date 6-29-04
 Company John O. Farmer Inc Zone Tested Arbuckle
 Address P.O. Box 352 Russell Ks 67665 Elevation 1792 KB 1784 GL
 Co. Rep / Geo. MATT Dreiling Cont. Discovery rig 2 Est. Ft. of Pay - Por. - %
 Location: Sec. 6 Twp. 15^s Rge. 12^w Co. Russell State Ko
 No. of Copies Reg Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3228-3267 Initial Str Wt./Lbs. 36000 Unseated Str Wt/Lbs. 36000
 Anchor Length 39 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 45000
 Top Packer Depth 3223 Tool Weight 2200
 Bottom Packer Depth 3228 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3267 Wt. Pipe Run - Drill Collar Run 30
 Mud Wt. 9.2 LCM - Vis. 50 WL 8.8 Drill Pipe Size 4 1/2 X 11 Ft. Run 3202
 Blow Description IFP - WEAK SURFACE BLOW, died in 7 min
FFP - NO BLOW

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
Rec. <u>1</u> Feet of <u>CO</u>		%gas <u>5</u> %oil <u>-</u> %water <u>-</u> %mud <u>-</u>	
Rec. <u>4</u> Feet of <u>OCM</u>		%gas <u>5</u> %oil <u>-</u> %water <u>95</u> %mud <u>-</u>	
Rec. _____ Feet of _____		%gas _____ %oil _____ %water _____ %mud _____	
Rec. _____ Feet of _____		%gas _____ %oil _____ %water _____ %mud _____	
Rec. _____ Feet of _____		%gas _____ %oil _____ %water _____ %mud _____	
BHT <u>102</u> °F Gravity <u>-</u> °API D @ <u>-</u> °F Corrected Gravity <u>-</u> °API			
RW <u>-</u> @ <u>-</u> °F Chlorides <u>-</u> ppm Recovery <u>-</u> Chlorides <u>4500</u> ppm System			

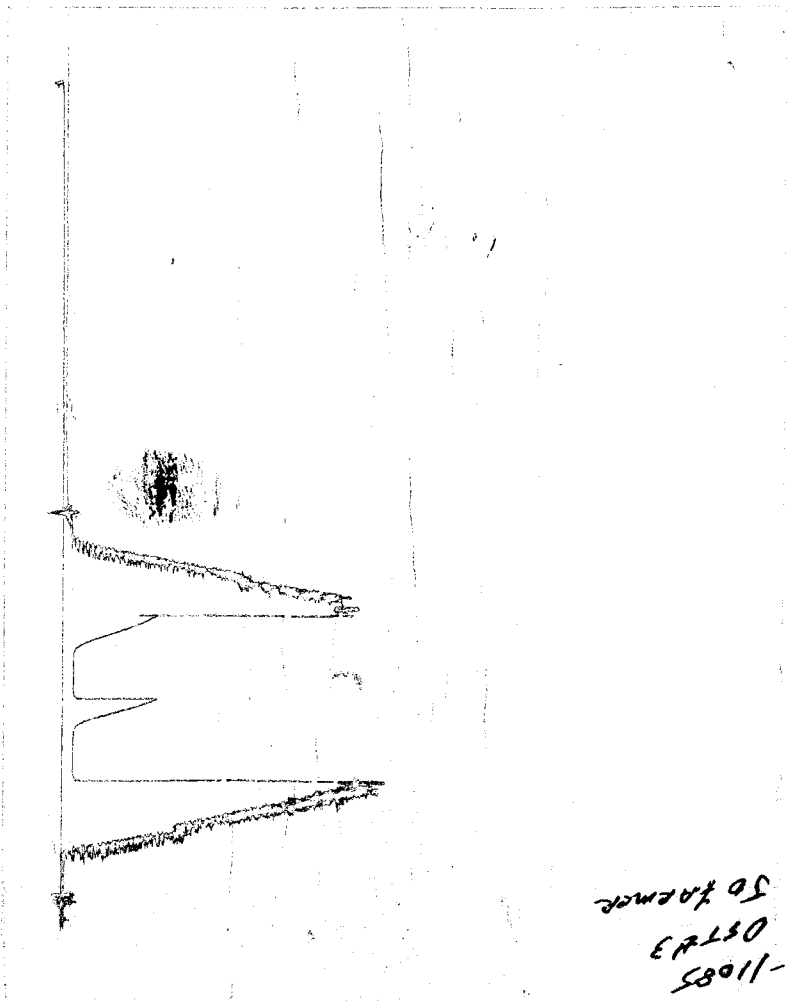
(A) Initial Hydrostatic Mud	AK-1	PSI	Recorder No.	Test
(B) First Initial Flow Pressure	<u>1564</u>	PSI	<u>6668</u>	Test <input checked="" type="checkbox"/>
(C) First Final Flow Pressure	<u>16</u>	PSI	<u>3235</u>	Elec. Rec. <input checked="" type="checkbox"/>
(D) Initial Shut-In Pressure	<u>21</u>	PSI	<u>11085</u>	Jars _____
(E) Second Initial Flow Pressure	<u>541</u>	PSI	<u>3264</u>	Safety Jt. _____
(F) Second Final Flow Pressure	<u>24</u>	PSI	<u>-</u>	Circ Sub _____
(G) Final Shut-In Pressure	<u>24</u>	PSI	<u>-</u>	Sampler _____
(Q) Final Hydrostatic Mud	<u>532</u>	PSI	<u>30</u>	Straddle _____
	<u>1560</u>	PSI	<u>30</u>	Ext. Packer _____
			<u>30</u>	Shale Packer _____
			<u>30</u>	Mileage <input checked="" type="checkbox"/> <u>42</u>
			<u>0130</u>	Sub Total: <u>921.40</u>
			<u>0145</u>	Std. By _____
			<u>0330</u>	Other _____
			<u>0530</u>	Total: _____
			<u>0654</u>	

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Approved By _____
 Our Representative RAY SCHWAGER THANK
9/20/04

CHART PAGE

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



50 frames
OSTW3
-11085