

RECEIVED
AUG 04 2003
KCC WICHITA

John O. Farmer

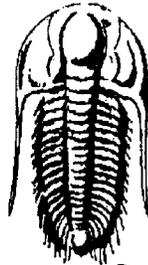
Clack "A" #2

16-9s-21w Rooks Co.

DST # 1

LKC "A-C"

2003.07.01



TRILOBITE
TESTING, INC.

DRILL SITE REPORT
CONFIDENTIAL

Prepared For: John O. Farmer

KCC
PO Box 352
AUG 01 2003
Rooks Co. Ks. 67665

CONFIDENTIAL
ATTN: Matt Dreiling

16-9s-21w Rooks Co.
ORIGINAL

Clack "A" #2

Start Date: 2003.07.01 @ 19:13:34

End Date: 2003.07.02 @ 01:24:04

Job Ticket #: 17339 DST #: 1

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

CONFIDENTIAL

ORIGINAL



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

John O. Farmer
PO Box 352
Russell Ks. 67665
ATTN: Matt Dreiling

Clack "A" #2
16-9s-21w Rooks Co.
Job Ticket: 17339 DST#: 1
Test Start: 2003.07.01 @ 19:13:34

GENERAL INFORMATION:

Formation: **LKC "A-C"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:33:19
Time Test Ended: 01:24:04
Interval: **3413.00 ft (KB) To 3475.00 ft (KB) (TVD)**
Total Depth: 3475.00 ft (KB) (TVD)
Hole Diameter: 6.80 inches Hole Condition: Good

KCC
AUG 01 2003
CONFIDENTIAL

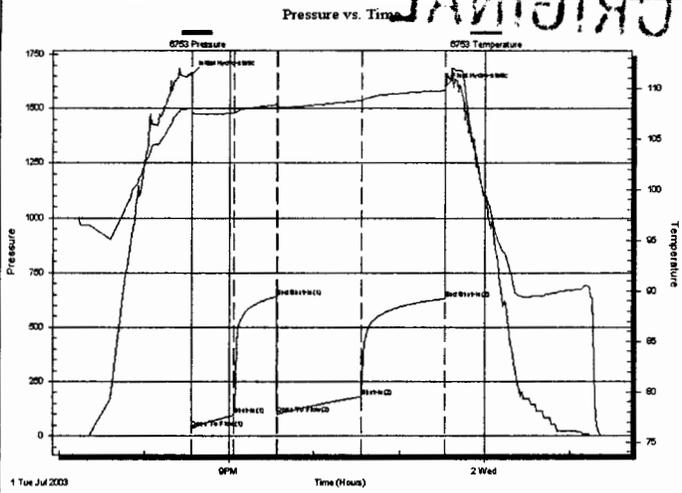
Test Type: Conventional Bottom Hole
Tester: Jason McLemore
Unit No: 28
Reference Elevations: 2243.00 ft (KB)
2236.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 6753

Inside
Press@RunDepth: 181.39 psig @ 3453.00 ft (KB)
Start Date: 2003.07.01 End Date: 2003.07.02
Start Time: 19:13:36 End Time: 01:24:04

Capacity: 7000.00 psig
Last Calib.: 1899.12.30
Time On Btm: 2003.07.01 @ 20:33:04
Time Off Btm: 2003.07.01 @ 23:32:19

TEST COMMENT: IFP Fair, BOB in 18 min, No Blow back
FFP Fair, BOB in 48 min, No Blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1658.27	108.01	Initial Hydro-static
1	36.25	107.48	Open To Flow (1)
31	95.82	107.55	Shut-In (1)
61	640.89	108.35	End Shut-In (1)
61	100.25	108.19	Open To Flow (2)
120	181.39	108.75	Shut-In (2)
179	631.05	109.75	End Shut-In (2)
180	1603.12	109.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
331.00	water, 2% mud	4.64
60.00	oil cut mud, 5% oil	0.84
6.00	oil	0.08

Gas Rates

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

 <p>TRILOBITE TESTING, INC.</p>	DRILL STEM TEST REPORT		TOOL DIAGRAM		
	John O. Farmer PO Box 352 Russell Ks. 67665 ATTN: Matt Dreiling	<p>KCC</p> <p>Aug 11 2003</p> <p>CONFIDENTIAL</p>	Clack "A" #2 16-9s-21w Rooks Co. Job Ticket: 17339 Test Start: 2003.07.01 @ 19:13:34	DST#: 1	
Tool Information					
Drill Pipe:	Length: 3415.00 ft	Diameter: 3.80 inches	Volume: 47.90 bbl	Tool Weight: 2400.00 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: 0.00 ft	Diameter: 2.50 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb	
			Total Volume: 47.90 bbl	Tool Chased 0.00 ft	
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 36000.00 lb	
Depth to Top Packer:	3413.00 ft			Final 38000.00 lb	
Depth to Bottom Packer:	ft				
Interval between Packers:	62.00 ft				
Tool Length:	83.00 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			3393.00	
Shut In Tool	5.00			3398.00	
Hydraulic tool	5.00			3403.00	
Packer	5.00			3408.00	21.00 Bottom Of Top Packer
Packer	5.00			3413.00	
Stubb	1.00			3414.00	
Perforations	5.00			3419.00	
Change Over Sub	1.00			3420.00	
Blank Spacing	32.00			3452.00	
Change Over Sub	1.00			3453.00	
Recorder	0.00	6753	Inside	3453.00	
Perforations	19.00			3472.00	
Recorder	0.00	13221		3472.00	
Bullnose	3.00			3475.00	62.00 Bottom Packers & Anchor
Total Tool Length:		83.00			

 <p style="font-size: 2em; font-weight: bold; margin: 0;">TRILOBITE TESTING, INC.</p>	DRILL STEM TEST REPORT		FLUID SUMMARY
	John O. Farmer PO Box 352 Russell Ks. 67665 ATTN: Matt Dreiling	Clack "A" #2 16-9s-21w Rooks Co. Job Ticket: 17339 DST#: 1 Test Start: 2003.07.01 @ 19:13:34	

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: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.18 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
331.00	water,2% mud	4.643
60.00	oil cut mud,5% oil	0.842
6.00	oil	0.084

Total Length: 397.00 ft Total Volume: 5.569 bbl

 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Serial #: 6753

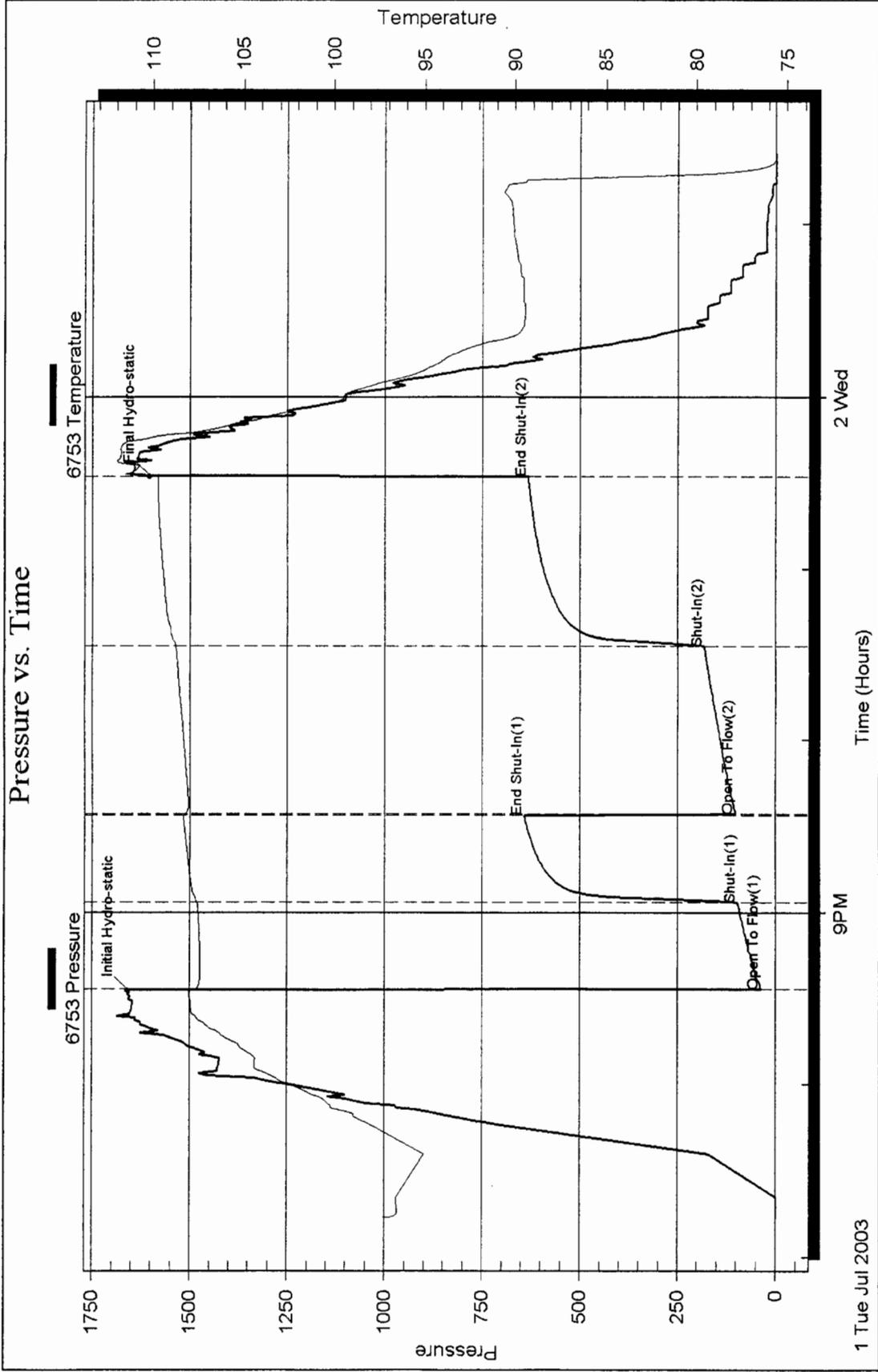
Inside

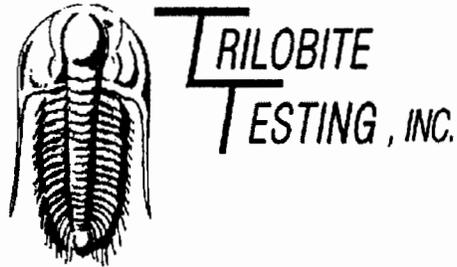
John O. Farmer

16-9s-21w Rocks Co.

DST Test Number: 1

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **John O. Farmer**

PO Box 352
Russell Ks. 67665

ATTN: Matt Dreiling

16-9s-21w Rooks Co.

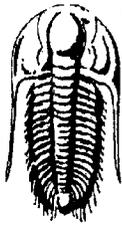
Clack "A" #2

Start Date: 2003.07.02 @ 16:00:00

End Date: 2003.07.02 @ 21:22:00

Job Ticket #: 17340 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
 PO Box 352
 Russell Ks. 67665
 ATTN: Matt Dreiling

Clack "A" #2
16-9s-21w Rooks Co.
 Job Ticket: 17340 **DST#: 2**
 Test Start: 2003.07.02 @ 16:00:00

GENERAL INFORMATION:

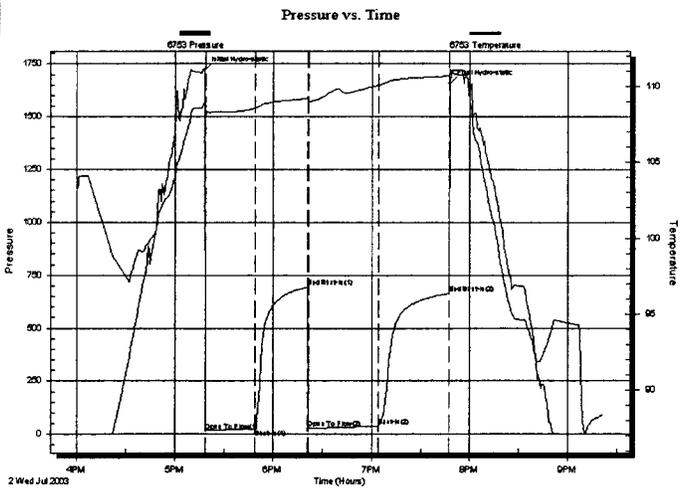
Formation: **LKC "H-K"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 17:18:45
 Time Test Ended: 21:22:00
 Interval: **3540.00 ft (KB) To 3610.00 ft (KB) (TVD)**
 Total Depth: 3610.00 ft (KB) (TVD)
 Hole Diameter: 6.80 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole
 Tester: Jason McLemore
 Unit No: 28
 Reference Elevations: 2243.00 ft (KB)
 2236.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 6753

Inside

Press@RunDepth: 36.96 psig @ 3547.00 ft (KB) Capacity: 7000.00 psig
 Start Date: 2003.07.02 End Date: 2003.07.02 Last Calib.: 1899.12.30
 Start Time: 16:00:02 End Time: 21:22:00 Time On Btm: 2003.07.02 @ 17:18:30
 Time Off Btm: 2003.07.02 @ 19:47:45

TEST COMMENT: IFP Weak Blow ,1.5" No Blow back
 FFP Weak Surface Blow After 20 min, No Blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1721.98	108.86	Initial Hydro-static
1	15.09	107.92	Open To Flow (1)
31	24.05	108.55	Shut-In(1)
63	693.42	109.20	End Shut-In(1)
63	26.96	109.02	Open To Flow (2)
106	36.96	110.07	Shut-In(2)
149	663.12	110.67	End Shut-In(2)
150	1657.54	111.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	Slightly Oil Cut Mud	0.56

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O. Farmer
PO Box 352
Russell Ks. 67665
ATTN: Matt Dreiling

Clack "A" #2
16-9s-21w Rooks Co.
Job Ticket: 17340 **DST#: 2**
Test Start: 2003.07.02 @ 16:00:00

Tool Information

Drill Pipe:	Length: 3540.00 ft	Diameter: 3.80 inches	Volume: 49.66 bbl	Tool Weight: 2400.00 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: 0.00 ft	Diameter: 2.50 inches	Volume: 0.00 bbl	Weight to Pull Loose: 42000.00 lb
			<u>Total Volume: 49.66 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	3540.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	70.00 ft			
Tool Length:	91.00 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			3520.00	
Shut In Tool	5.00			3525.00	
Hydraulic tool	5.00			3530.00	
Packer	5.00			3535.00	21.00 Bottom Of Top Packer
Packer	5.00			3540.00	
Stubb	1.00			3541.00	
Perforations	5.00			3546.00	
Change Over Sub	1.00			3547.00	
Recorder	0.00	6753	Inside	3547.00	
Blank Spacing	31.00			3578.00	
Change Over Sub	1.00			3579.00	
Perforations	28.00			3607.00	
Recorder	0.00	13221		3607.00	
Bullnose	3.00			3610.00	70.00 Bottom Packers & Anchor
Total Tool Length:	91.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O. Farmer

Clack "A" #2

PO Box 352
Russell Ks. 67665

16-9s-21w Rooks Co.

Job Ticket: 17340 **DST#: 2**

ATTN: Matt Dreiling

Test Start: 2003.07.02 @ 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: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.18 in ³	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
40.00	Slightly Oil Cut Mud	0.561

Total Length: 40.00 ft Total Volume: 0.561 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 6753

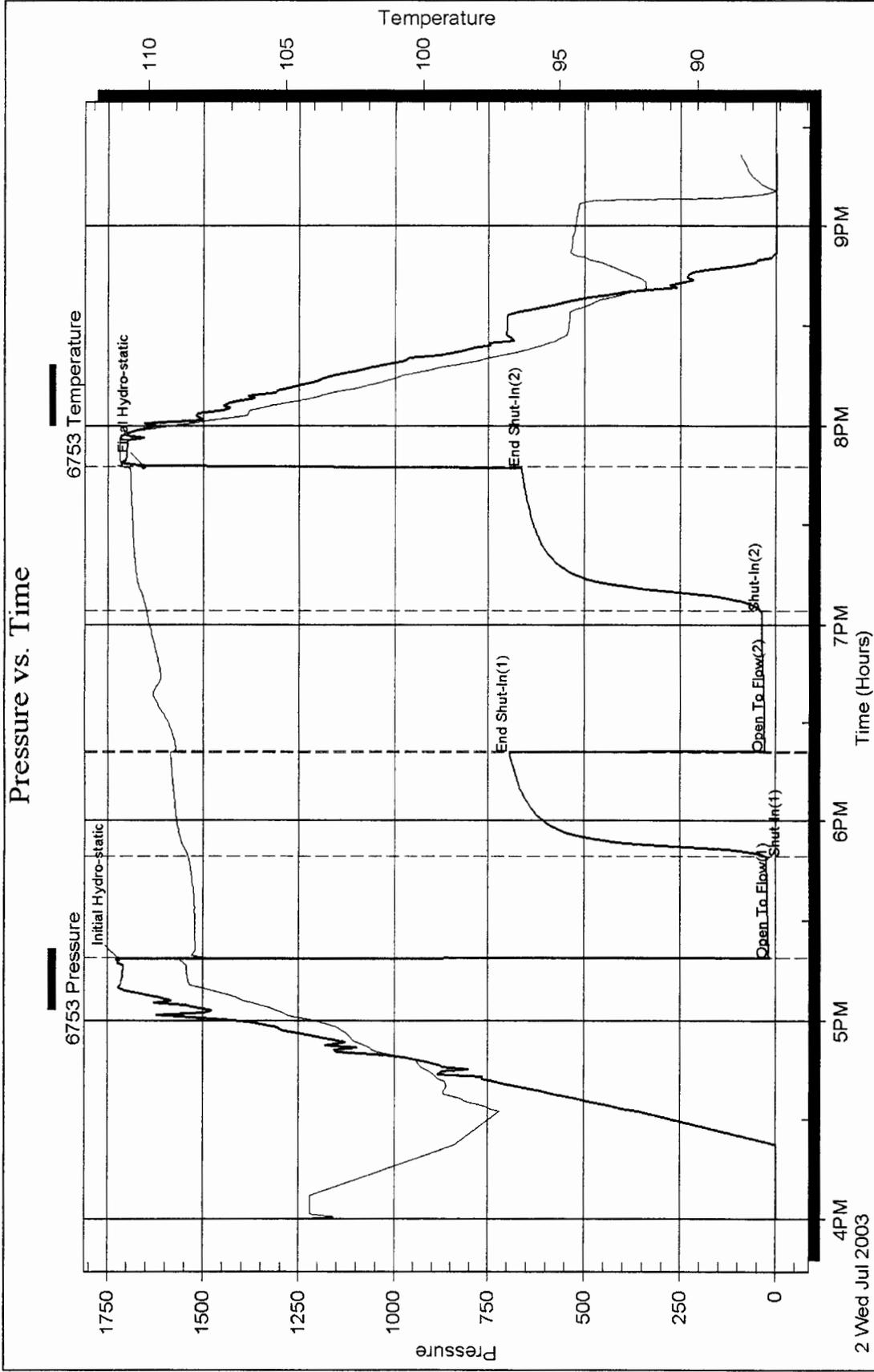
Inside

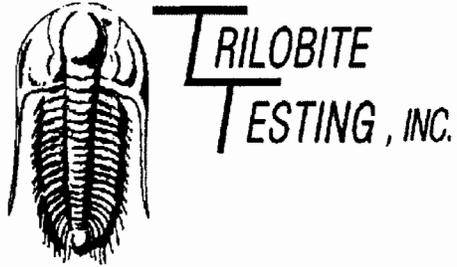
John O. Farmer

16-9s-21w Rooks Co.

DST Test Number: 2

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **John O. Farmer**

PO Box 352
Russell Ks. 67665

ATTN: Matt Dreiling

16-9s-21w Rooks Co.

Clack "A" #2

Start Date: 2003.07.03 @ 08:42:54

End Date: 2003.07.03 @ 14:15:39

Job Ticket #: 17341 DST #: 3

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



DRILL STEM TEST REPORT

John O. Farmer
 PO Box 352
 Russell Ks. 67665
 ATTN: Matt Dreiling

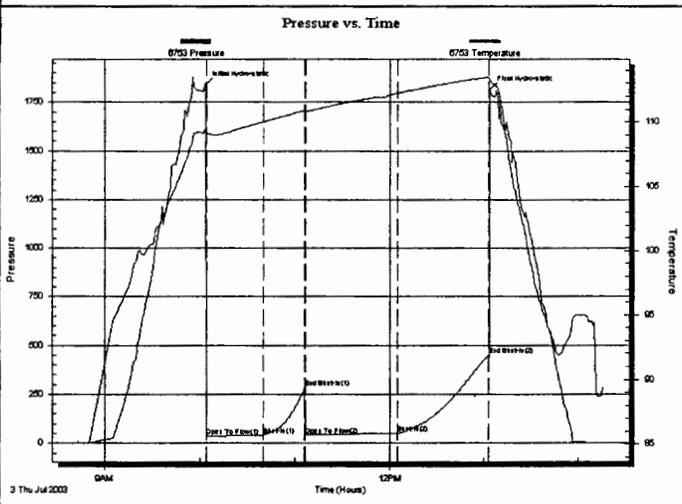
Clack "A" #2
 16-9s-21w Rooks Co.
 Job Ticket: 17341 DST#: 3
 Test Start: 2003.07.03 @ 08:42:54

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole
 Time Tool Opened: 10:04:09 Tester: Jason McLemore
 Time Test Ended: 14:15:39 Unit No: 28
 Interval: **3690.00 ft (KB) To 3745.00 ft (KB) (TVD)** Reference Elevations: 2243.00 ft (KB)
 Total Depth: 3745.00 ft (KB) (TVD) 2236.00 ft (CF)
 Hole Diameter: 6.80 inches Hole Condition: Good KB to GR/CF: 7.00 ft

Serial #: 6753 Inside
 Press@RunDepth: 49.75 psig @ 3730.00 ft (KB) Capacity: 7000.00 psig
 Start Date: 2003.07.03 End Date: 2003.07.03 Last Calib.: 1899.12.30
 Start Time: 08:42:56 End Time: 14:15:39 Time On Btm: 2003.07.03 @ 10:03:54
 Time Off Btm: 2003.07.03 @ 13:03:39

TEST COMMENT: IFF Weak Blow .2.5", No Blow back
 FFP Weak Blow 1.5", No Blow back



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1839.57	109.53	Initial Hydro-static
1	37.28	108.43	Open To Flow (1)
37	41.58	110.01	Shut-In (1)
63	284.12	110.90	End Shut-In (1)
63	42.74	110.82	Open To Flow (2)
121	49.75	112.24	Shut-In (2)
179	449.39	113.48	End Shut-In (2)
180	1812.25	113.28	Final Hydro-static

Length (ft)	Description	Volume (bbl)
30.00	Oil Cut Mud, 12% Oil, 88% Mud	0.42

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O. Farmer

Clack "A" #2

PO Box 352
Russell Ks. 67665

16-9s-21w Rooks Co.

Job Ticket: 17341

DST#: 3

ATTN: Matt Dreiling

Test Start: 2003.07.03 @ 08:42:54

Tool Information

Drill Pipe:	Length: 3697.00 ft	Diameter: 3.80 inches	Volume: 51.86 bbl	Tool Weight: 2400.00 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: 0.00 ft	Diameter: 2.50 inches	Volume: 0.00 bbl	Weight to Pull Loose: 48000.00 lb
			<u>Total Volume: 51.86 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 39000.00 lb
Depth to Top Packer:	3690.00 ft			Final 39000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	55.00 ft			
Tool Length:	76.00 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			3670.00	
Shut In Tool	5.00			3675.00	
Hydraulic tool	5.00			3680.00	
Packer	5.00			3685.00	21.00 Bottom Of Top Packer
Packer	5.00			3690.00	
Stubb	1.00			3691.00	
Perforations	5.00			3696.00	
Change Over Sub	1.00			3697.00	
Blank Spacing	32.00			3729.00	
Change Over Sub	1.00			3730.00	
Recorder	0.00	6753	Inside	3730.00	
Perforations	12.00			3742.00	
Recorder	0.00	13221		3742.00	
Bullnose	3.00			3745.00	55.00 Bottom Packers & Anchor

Total Tool Length: 76.00

 <p style="font-size: 2em; font-weight: bold; margin: 0;">TRILOBITE TESTING, INC.</p>	DRILL STEM TEST REPORT	FLUID SUMMARY
	<p>John O. Farmer</p> <p>PO Box 352 Russell Ks. 67665</p> <p>ATTN: Matt Dreiling</p>	<p>Clack "A" #2</p> <p>16-9s-21w Rooks Co.</p> <p>Job Ticket: 17341 DST#: 3</p> <p>Test Start: 2003.07.03 @ 08:42:54</p>

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: 59.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.19 in ³	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
30.00	Oil Cut Mud, 12% Oil, 88% Mud	0.421

Total Length: 30.00 ft Total Volume: 0.421 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 6753

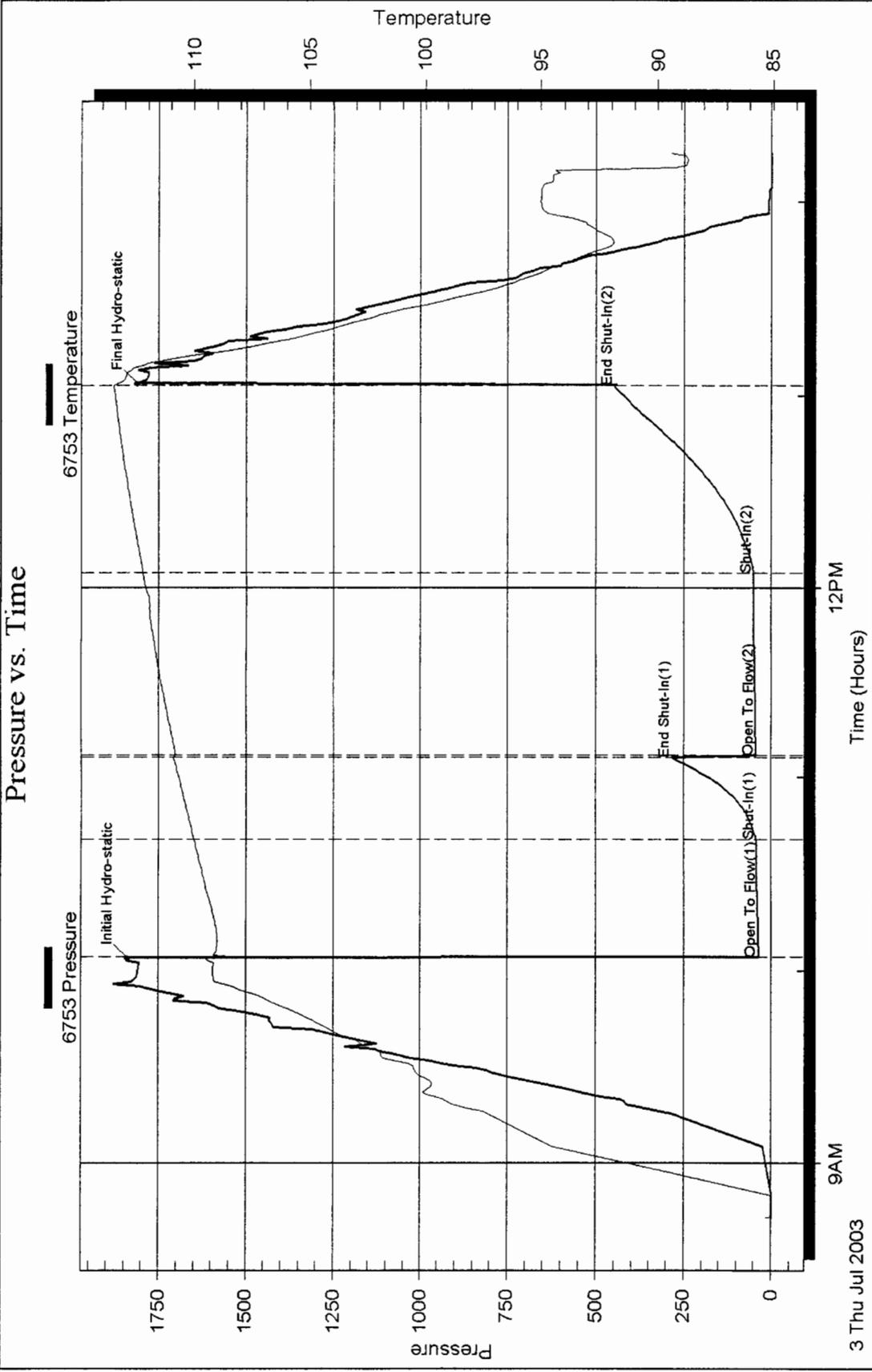
Inside

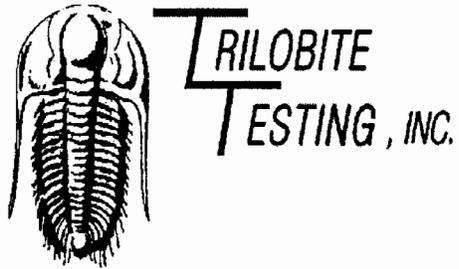
John O. Farmer

16-9s-21w Rocks Co.

DST Test Number: 3

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **John O. Farmer**

PO Box 352
Russell Ks. 67665

ATTN: Matt Dreiling

16-9s-21w Rooks Co.

Clack "A" #2

Start Date: 2003.07.03 @ 21:20:06

End Date: 2003.07.04 @ 03:37:36

Job Ticket #: 17342 DST #: 4

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

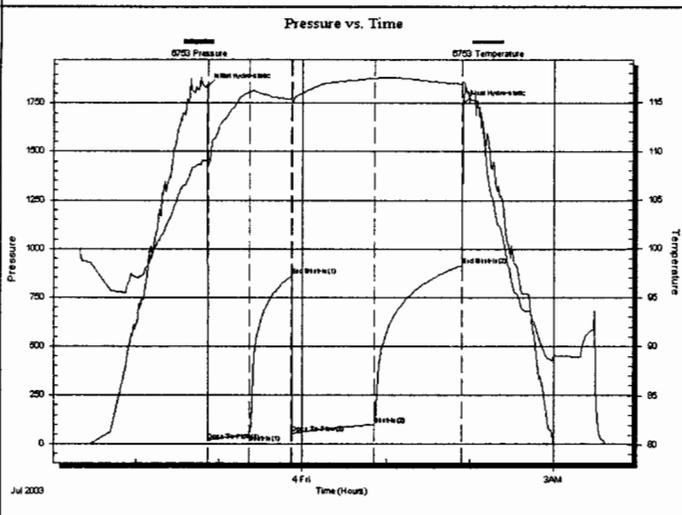
 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT	
	John O. Farmer PO Box 352 Russell Ks. 67665 ATTN: Matt Dreiling	Clack "A" #2 16-9s-21w Rooks Co. Job Ticket: 17342 DST#: 4 Test Start: 2003.07.03 @ 21:20:06

GENERAL INFORMATION:

Formation: Arbuckle	Test Type: Conventional Bottom Hole
Deviated: No Whipstock: ft (KB)	Tester: Jason McLemore
Time Tool Opened: 22:51:51	Unit No: 28
Time Test Ended: 03:37:36	Reference Elevations: 2243.00 ft (KB)
Interval: 3740.00 ft (KB) To 3759.00 ft (KB) (TVD)	2236.00 ft (CF)
Total Depth: 3759.00 ft (KB) (TVD)	KB to GR/CF: 7.00 ft
Hole Diameter: 6.80 inches	Hole Condition: Good

Serial #: 6753	Inside	Capacity: 7000.00 psig
Press@RunDepth: 101.33 psig @ 3741.00 ft (KB)	Start Date: 2003.07.03	Last Calib.: 1899.12.30
Start Time: 21:20:08	End Date: 2003.07.04	Time On Btm: 2003.07.03 @ 22:51:36
End Time: 03:37:36	Time Off Btm: 2003.07.04 @ 01:54:21	

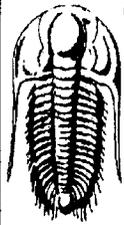
TEST COMMENT: IFP, Fair Blow, 8", No Blow back
 FFP, Fair Blow 7", No Blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1836.15	109.02	Initial Hydro-static
1	17.74	108.62	Open To Flow (1)
31	50.79	116.02	Shut-In (1)
61	859.97	115.26	End Shut-In (1)
61	54.39	115.01	Open To Flow (2)
120	101.33	117.44	Shut-In (2)
183	914.77	116.88	End Shut-In (2)
183	1746.18	117.12	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
5.00	Mud Cut Oil, 50/50	0.07
5.00	Oil	0.07
50.00	Water Cut Mud, 10% Water, 90% Mud	0.70
130.00	Mud Cut Water, 90% Water, 10% Mud	1.82

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O. Farmer

Clack "A" #2

PO Box 352
Russell Ks. 67665

16-9s-21w Rooks Co.

Job Ticket: 17342

DST#: 4

ATTN: Matt Dreiling

Test Start: 2003.07.03 @ 21:20:06

Tool Information

Drill Pipe:	Length: 3728.00 ft	Diameter: 3.80 inches	Volume: 52.29 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: 0.00 ft	Diameter: 2.50 inches	Volume: 0.00 bbl	Weight to Pull Loose: 42000.00 lb
			<u>Total Volume: 52.29 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	3740.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	19.00 ft			
Tool Length:	40.00 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			3720.00	
Shut In Tool	5.00			3725.00	
Hydraulic tool	5.00			3730.00	
Packer	5.00			3735.00	21.00 Bottom Of Top Packer
Packer	5.00			3740.00	
Stubb	1.00			3741.00	
Recorder	0.00	6753	Inside	3741.00	
Perforations	15.00			3756.00	
Recorder	0.00	13252	Outside	3756.00	
Bullnose	3.00			3759.00	19.00 Bottom Packers & Anchor
Total Tool Length:	40.00				



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

John O. Farmer

Clack "A" #2

PO Box 352
Russell Ks. 67665

16-9s-21w Rooks Co.

Job Ticket: 17342

DST#: 4

ATTN: Matt Dreiling

Test Start: 2003.07.03 @ 21:20:06

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:	32000 ppm
Viscosity:	58.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.17 in ³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2000.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud Cut Oil,50/50	0.070
5.00	Oil	0.070
50.00	Water Cut Mud, 10%Water,90%Mud	0.701
130.00	Mud Cut Water,90%Water,10%Mud	1.824

Total Length: 190.00 ft Total Volume: 2.665 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 6753

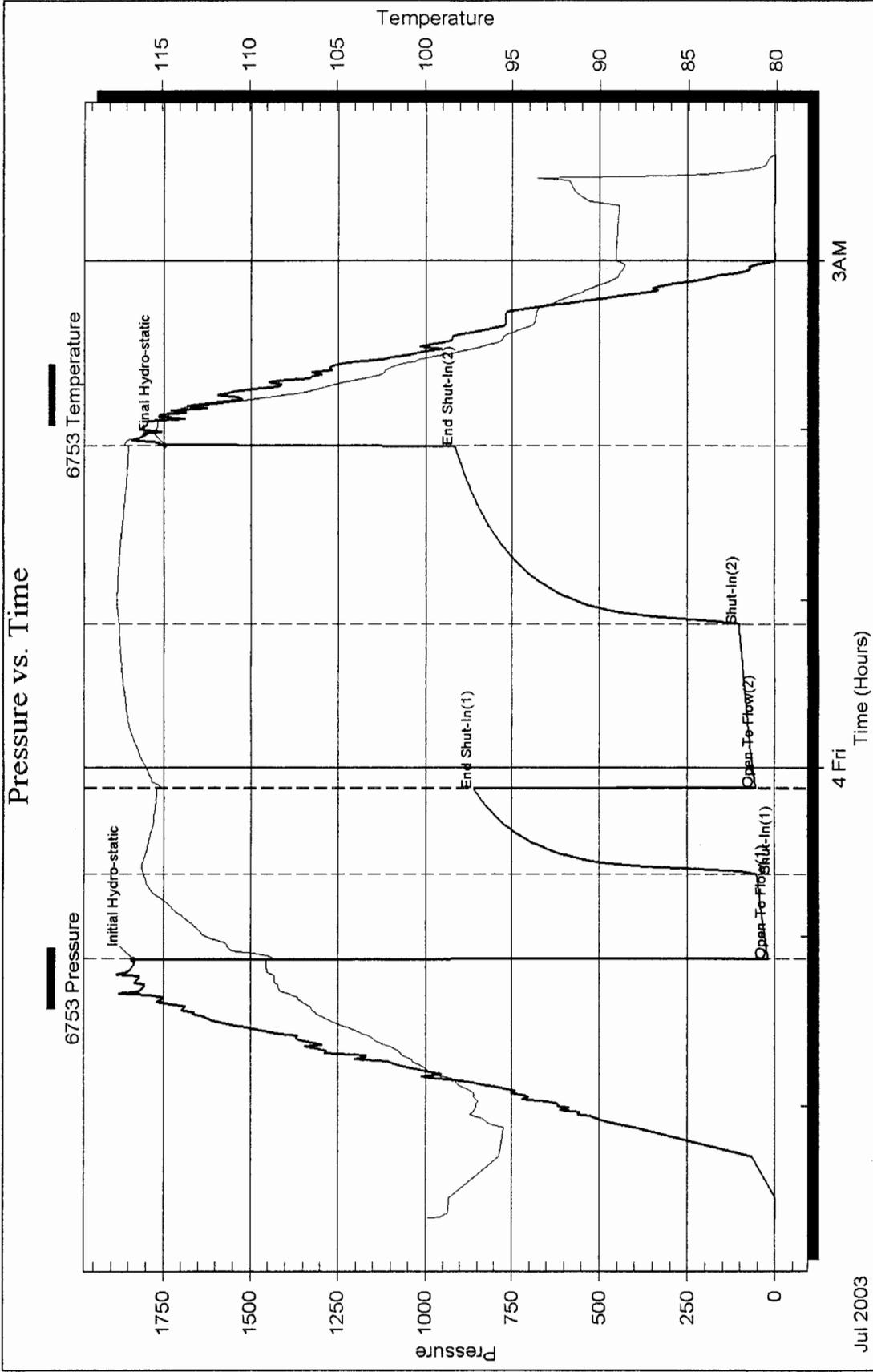
Inside

John O. Farmer

16-9s-21w Rooks Co.

DST Test Number: 4

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 17342

Printed: 2003.07.08 @ 15:25:42 Page 5