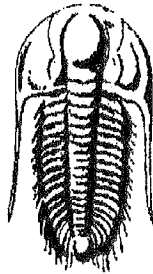


15-167-23452

10-11s-15w

IND



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

PO Box 352
Russell KS 67665-2635

ATTN: John O Farmer IV

10 11 15W Russell KS

Maupin#1

Start Date: 2007.08.30 @ 14:36:58

End Date: 2007.08.30 @ 20:44:52

Job Ticket #: 29193

DST #: 1

RECEIVED
KANSAS CORPORATION COMMISSION

DEC 07 2007

CONSERVATION DIVISION
WICHITA, KS

CONFIDENTIAL
DEC 06 2007
KCC

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

John O Farmer Inc

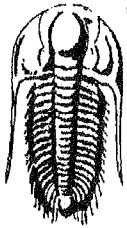
Maupin#1

10 11 15W Russell KS

DST # 1

LKC

2007.08.30



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

John O Farmer Inc

PO Box 352
Russell KS 67665-2635

ATTN: John O Farmer IV

Maupin#1

10 11 15W Russell KS

Job Ticket: 29193

DST#: 1

Test Start: 2007.08.30 @ 14:36:58

GENERAL INFORMATION:

Formation: **LKC**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:17:53

Time Test Ended: 20:44:52

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 42

Interval: **3036.00 ft (KB) To 3101.00 ft (KB) (TVD)**

Total Depth: 3101.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 1903.00 ft (KB)

1895.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6753

Inside

Press@RunDepth: 87.22 psig @ 3041.01 ft (KB)

Start Date: 2007.08.30

End Date: 2007.08.30

Start Time: 14:36:58

End Time: 20:44:52

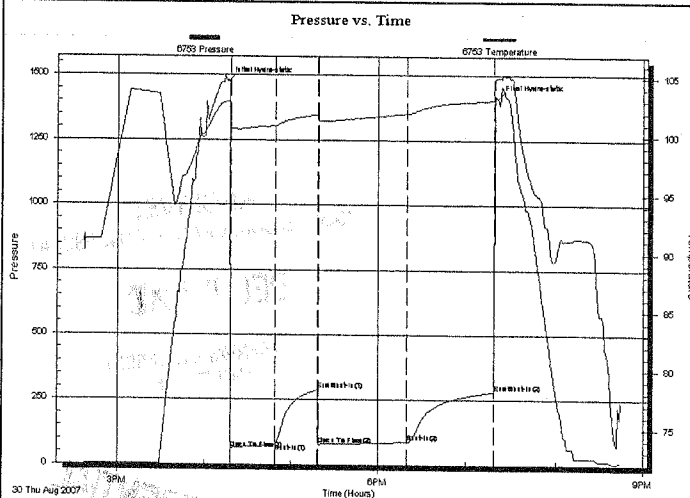
Capacity: 7000.00 psig

Last Calib.: 2007.08.30

Time On Btm: 2007.08.30 @ 16:16:23

Time Off Btm: 2007.08.30 @ 19:20:52

TEST COMMENT: IFF Wk to a fr bl 1/2 " to 5 1/2 " bl
FFP Wk to a gd bl 1/2"to 6 " bl
Times 30 30 60 60
No bl on shut-in



PRESSURE SUMMARY

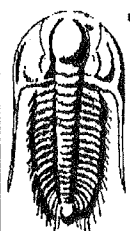
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1475.64	102.94	Initial Hydro-static
2	58.57	100.68	Open To Flow (1)
33	79.85	100.90	Shut-In(1)
62	287.16	101.83	End Shut-In(1)
63	78.13	101.28	Open To Flow (2)
123	87.22	101.94	Shut-In(2)
182	282.69	103.10	End Shut-In(2)
185	1410.71	105.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	O&GCM 6%O 10%G 84%M	0.29
60.00	O&GCM 5%O 10%G 85%M	0.84
0.00	130 ' 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

Maupin#1

PO Box 352
Russell KS 67665-2635

10 11 15W Russell KS

Job Ticket: 29193

DST#: 1

ATTN: John O Farmer IV

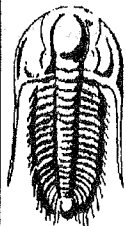
Test Start: 2007.08.30 @ 14:36:58

Tool Information

Drill Pipe:	Length: 3008.00 ft	Diameter: 3.80 inches	Volume: 42.19 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
		Total Volume: 42.34 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3036.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	65.02 ft			
Tool Length:	86.02 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			3016.00	
Shut In Tool	5.00			3021.00	
Hydraulic tool	5.00			3026.00	
Packer	5.00			3031.00	21.00 Bottom Of Top Packer
Packer	5.00			3036.00	
Stubb	1.00			3037.00	
Perforations	4.00			3041.00	
Recorder	0.01	6753	Inside	3041.01	
Blank Spacing	33.00			3074.01	
Recorder	0.01	13534	Outside	3074.02	
Perforations	24.00			3098.02	
Bullnose	3.00			3101.02	65.02 Bottom Packers & Anchor

Total Tool Length: 86.02



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

Maupin#1

PO Box 352
Russell KS 67665-2635

10 11 15W Russell KS

Job Ticket: 29193

DST#: 1

ATTN: John O Farmer IV

Test Start: 2007.08.30 @ 14:36:58

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 44.00 sec/qt

Water Loss: 11.10 in³

Resistivity: ohm.m

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	O&GCM 6%O 10%G 84%M	0.288
60.00	O&GCM 5%O 10%G 85%M	0.842
0.00	130' GIP	0.000

Total Length: 100.00 ft

Total Volume: 1.130 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 1

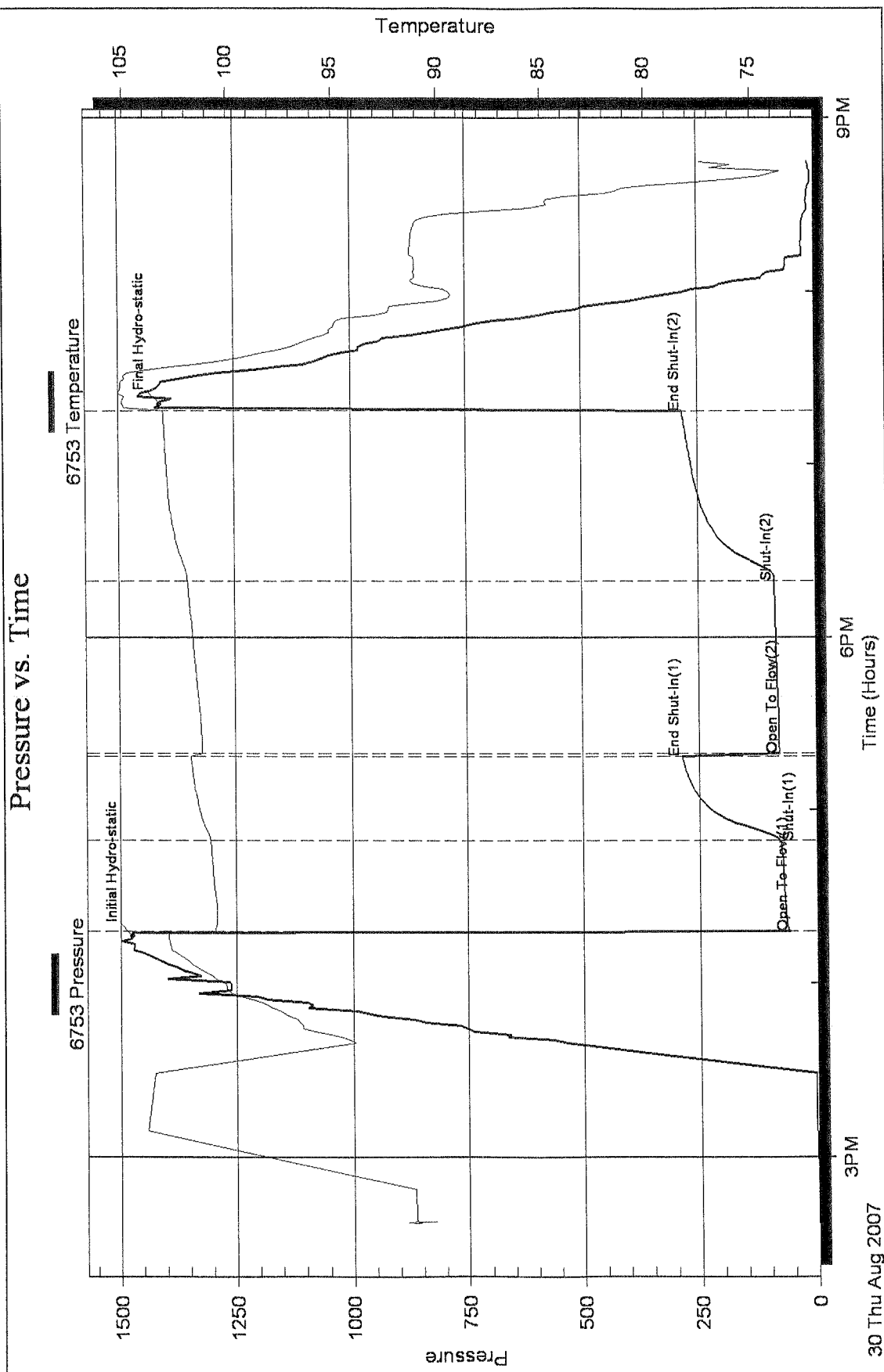
10 11 15W Russell KS

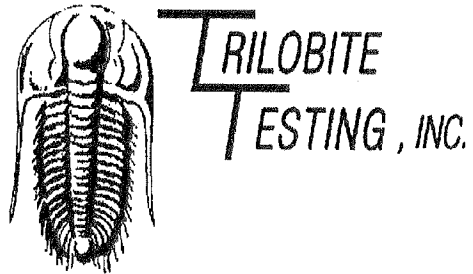
John O Farmer Inc

Inside

Serial #: 6753

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

PO Box 352
Russell KS 67665-2635

ATTN: John O Farmer IV

10 11 15W Russell KS

Maupin#1

Start Date: 2007.08.31 @ 11:29:28

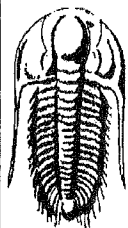
End Date: 2007.08.31 @ 16:46:52

Job Ticket #: 29194 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 Inc

PO Box 352
Russell KS 67665-2635

ATTN: John O Farmer IV

Maupin#1

10 11 15W Russell KS

Job Ticket: 29194

DST#: 2

Test Start: 2007.08.31 @ 11:29:28

GENERAL INFORMATION:

Formation: **LKC H-J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:55:53

Time Test Ended: 16:46:52

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 42

Interval: **3180.00 ft (KB) To 3240.00 ft (KB) (TVD)**

Total Depth: **3240.00 ft (KB) (TVD)**

Hole Diameter: **7.85 inches** Hole Condition: Fair

Reference Elevations: **1903.00 ft (KB)**

1895.00 ft (CF)

KB to GR/CF: **8.00 ft**

Serial #: 6753

Inside

Press@RunDepth: **58.65 psig @ 3185.01 ft (KB)**

Start Date: **2007.08.31**

End Date:

2007.08.31

Start Time: **11:29:28**

End Time:

16:46:52

Capacity: **7000.00 psig**

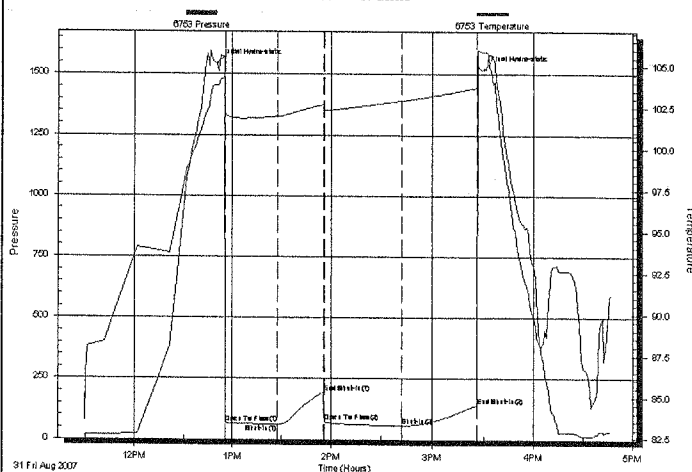
Last Calib.: **2007.08.31**

Time On Btm: **2007.08.31 @ 12:50:53**

Time Off Btm: **2007.08.31 @ 15:30:23**

TEST COMMENT: IFP Wk bl thru-out 1/4 " bl
FFP Wk bl thru-out surface bl
Times 30 30 45 45

Pressure vs. Time



PRESSURE SUMMARY

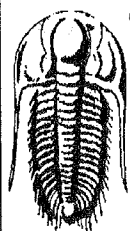
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1543.94	103.86	Initial Hydro-static
5	68.19	102.01	Open To Flow (1)
37	61.23	101.97	Shut-In(1)
65	193.59	102.68	End Shut-In(1)
66	73.22	102.34	Open To Flow (2)
111	58.65	102.91	Shut-In(2)
156	142.93	103.72	End Shut-In(2)
160	1520.10	105.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud w/show of Oil	0.05

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc

PO Box 352
Russell KS 67665-2635

ATTN: John O Farmer IV

Maupin#1

10 11 15W Russell KS

Job Ticket: 29194

DST#: 2

Test Start: 2007.08.31 @ 11:29:28

Tool Information

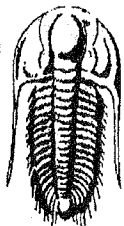
Drill Pipe:	Length: 3136.00 ft	Diameter: 3.80 inches	Volume: 43.99 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	50000.00 lb
		Total Volume:	44.14 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial	40000.00 lb
Depth to Top Packer:	3180.00 ft			Final	40000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	60.02 ft				
Tool Length:	81.02 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			3160.00	
Shut In Tool	5.00			3165.00	
Hydraulic tool	5.00			3170.00	
Packer	5.00			3175.00	21.00 Bottom Of Top Packer
Packer	5.00			3180.00	
Stubb	1.00			3181.00	
Perforations	4.00			3185.00	
Recorder	0.01	6753	Inside	3185.01	
Blank Spacing	32.00			3217.01	
Recorder	0.01	13534	Outside	3217.02	
Perforations	20.00			3237.02	
Bullnose	3.00			3240.02	60.02 Bottom Packers & Anchor

Total Tool Length: 81.02



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

Maupin#1

PO Box 352
Russell KS 67665-2635

10 11 15W Russell KS

Job Ticket: 29194

DST#: 2

ATTN: John O Farmer IV

Test Start: 2007.08.31 @ 11:29:28

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 44.00 sec/qt

Water Loss: 11.09 in³

Resistivity: ohm.m

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud w/show of Oil	0.049

Total Length: 10.00 ft

Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

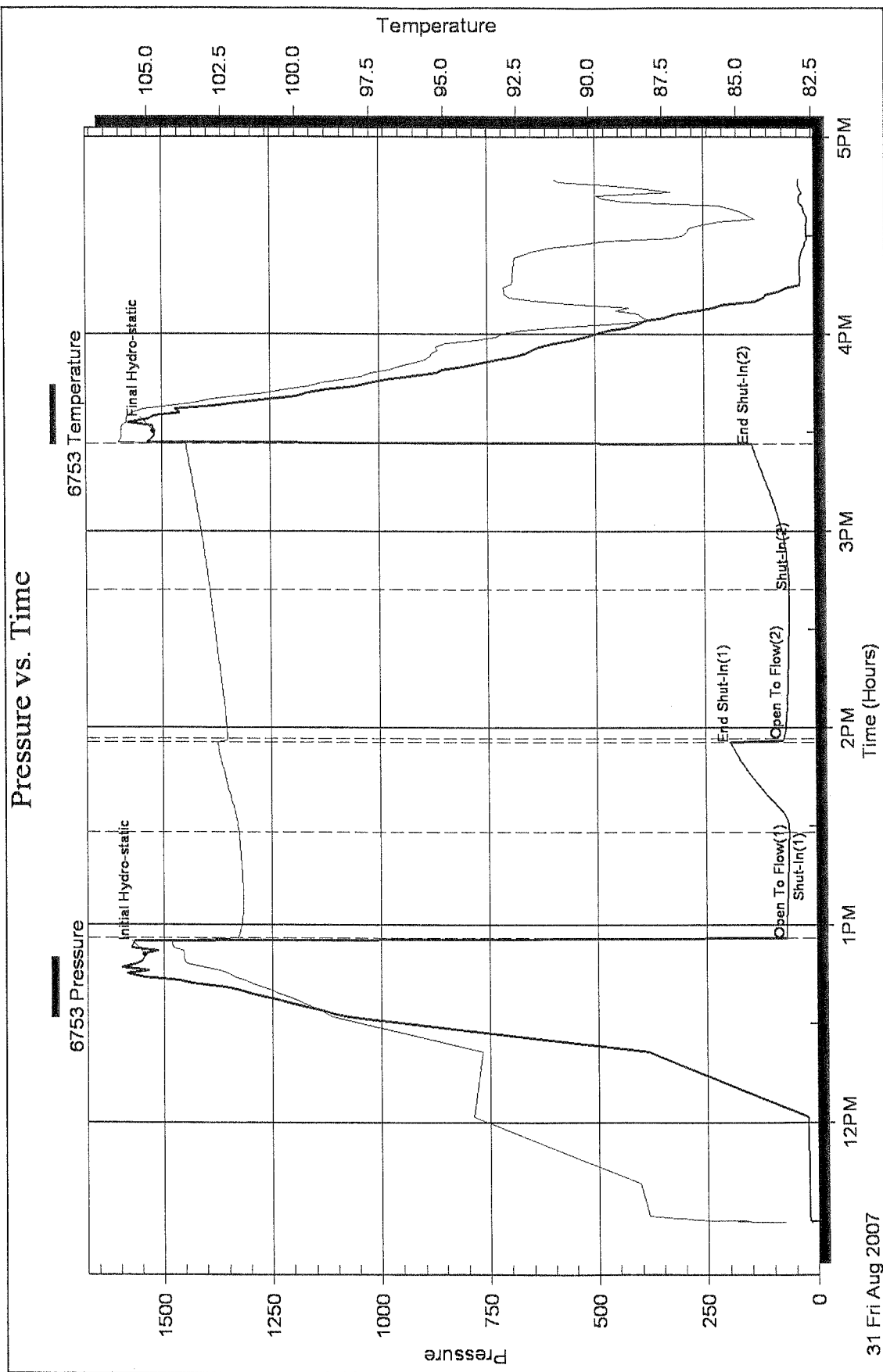
Serial #:

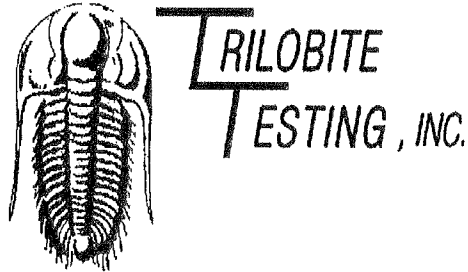
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

PO Box 352
Russell KS 67665-2635

ATTN: John O Farmer IV

10 11 15W Russell KS

Maupin#1

Start Date: 2007.09.01 @ 11:29:58

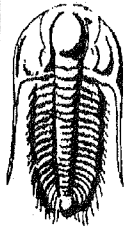
End Date: 2007.09.01 @ 18:05:22

Job Ticket #: 29195 DST #: 3

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 Inc

PO Box 352
Russell KS 67665-2635

ATTN: John O Farmer IV

Maupin#1

10 11 15W Russell KS

Job Ticket: 29195

DST#: 3

Test Start: 2007.09.01 @ 11:29:58

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:57:23

Time Test Ended: 18:05:22

Interval: **3348.00 ft (KB) To 3405.00 ft (KB) (TVD)**

Total Depth: 3449.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair

Test Type: Conventional Straddle

Tester: Ray Schwager

Unit No: 42

Reference Elevations: 1903.00 ft (KB)

1895.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6753

Inside

Press@RunDepth: 578.52 psig @ 3353.01 ft (KB)

Start Date: 2007.09.01

End Date: 2007.09.01

Capacity: 7000.00 psig

Last Calib.: 2007.09.01

Start Time: 11:29:58

End Time: 18:05:22

Time On Btm: 2007.09.01 @ 12:52:53

Time Off Btm: 2007.09.01 @ 15:03:53

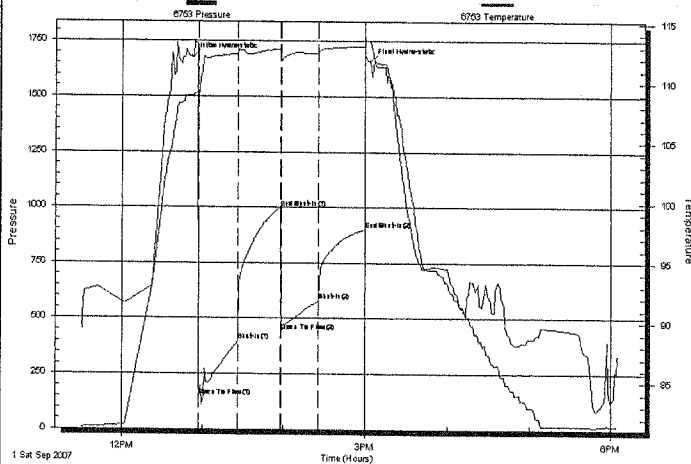
TEST COMMENT: IFP Strg bl in 1 min 30 sec

FFP Strg bl in 3 min

Times 30 30 30 30

Surface bl bk

Pressure vs. Time



PRESSURE SUMMARY

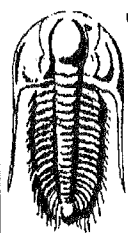
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1678.73	109.00	Initial Hydro-static
5	148.31	108.76	Open To Flow (1)
34	397.54	112.45	Shut-In(1)
65	998.13	112.87	End Shut-In(1)
66	440.15	111.93	Open To Flow (2)
93	578.52	112.51	Shut-In(2)
127	901.39	113.05	End Shut-In(2)
131	1656.36	113.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
880.00	CO	12.07
495.00	MGO 20%G 20%M 60%O	6.94

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc

PO Box 352
Russell KS 67665-2635

ATTN: John O Farmer IV

Maupin#1

10 11 15W Russell KS

Job Ticket: 29195

DST#: 3

Test Start: 2007.09.01 @ 11:29:58

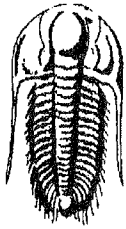
Tool Information

Drill Pipe:	Length: 3323.00 ft	Diameter: 3.80 inches	Volume: 46.61 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:	55000.00 lb
		Total Volume:	46.76 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial	43000.00 lb
Depth to Top Packer:	3348.00 ft			Final	47000.00 lb
Depth to Bottom Packer:	3405.01 ft				
Interval between Packers:	57.01 ft				
Tool Length:	126.02 ft				
Number of Packers:	3	Diameter:	6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3328.00	
Shut In Tool	5.00			3333.00	
Hydraulic tool	5.00			3338.00	
Packer	5.00			3343.00	21.00 Bottom Of Top Packer
Packer	5.00			3348.00	
Stubb	1.00			3349.00	
Perforations	4.00			3353.00	
Recorder	0.01	6753	Inside	3353.01	
Blank Spacing	33.00			3386.01	
Perforations	15.00			3401.01	
Blank Off Sub	1.00			3402.01	
Blank Spacing	3.00			3405.01	57.01 Tool Interval
Packer	5.00			3410.01	
Stubb	1.00			3411.01	
Perforations	7.00			3418.01	
Recorder	0.01	13534	Below	3418.02	
Blank Spacing	32.00			3450.02	
Bullnose	3.00			3453.02	48.01 Bottom Packers & Anchor

Total Tool Length: 126.02



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

Maupin#1

PO Box 352
Russell KS 67665-2635

10 11 15W Russell KS

Job Ticket: 29195

DST#: 3

ATTN: John O Farmer IV

Test Start: 2007.09.01 @ 11:29:58

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 57.00 sec/qt

Water Loss: 10.76 in³

Resistivity: ohm.m

Salinity: 4000.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

29 deg API

Water Salinity:

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
880.00	CO	12.071
495.00	MGO 20%G 20%M 60%O	6.944

Total Length: 1375.00 ft Total Volume: 19.015 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Hit bridge in hole approx 95 'off bottom

Pressure vs. Time

