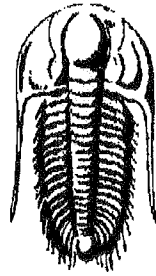


15-135-24626

14-17s-25w



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **John O Farmer**

PO Box 352
Russell KS 67665

ATTN: Randy Kilian

14 17S 25W Ness KS

Potter F-1

Start Date: 2007.04.10 @ 17:58:01

End Date: 2007.04.11 @ 00:47:53

Job Ticket #: 27854 DST #: 1

**KCC
JUL 31 2007
CONFIDENTIAL**

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

John O Farmer

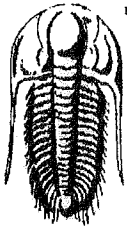
Potter F-1

14 17S 25W Ness KS

DST # 1

Ft. Scott

2007.04.10



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

John O Farmer

Potter F-1

PO Box 352
Russell KS 67665

14 17S 25W Ness KS

ATTN: Randy Kilian

Job Ticket: 27854

DST#: 1

Test Start: 2007.04.10 @ 17:58:01

GENERAL INFORMATION:

Formation: **Ft. Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:17:22

Time Test Ended: 00:47:53

Test Type: Conventional Bottom Hole

Tester: Brian Fairbank

Unit No: 19

Interval: 4310.00 ft (KB) To 4350.00 ft (KB) (TVD)

Reference Elevations: 2461.00 ft (KB)

Total Depth: 4350.00 ft (KB) (TVD)

2453.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 8.00 ft

Serial #: 6769

Inside

Press@RunDepth: 196.05 psig @ 4313.01 ft (KB)

Capacity: 7000.00 psig

Start Date: 2007.04.10

End Date:

2007.04.11

Last Calib.:

2007.04.11

Start Time: 17:58:01

End Time:

00:47:53

Time On Btm:

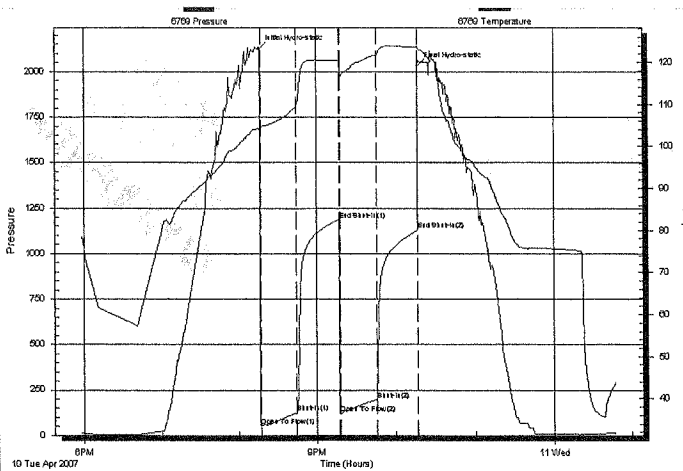
2007.04.10 @ 20:16:38

Time Off Btm:

2007.04.10 @ 22:16:38

TEST COMMENT: IFF BOB 1 1/2 min.
ISI 3 " blow back died to 1 1/2 "
FFP BOB 3 min.
FSI BOB 4 min.

Pressure vs. Time



PRESSURE SUMMARY

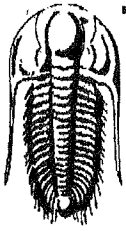
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2126.86	104.20	Initial Hydro-static
1	54.13	104.08	Open To Flow (1)
29	125.34	109.70	Shut-In(1)
61	1186.62	120.46	End Shut-In(1)
62	121.41	118.51	Open To Flow (2)
89	196.05	121.68	Shut-In(2)
120	1129.76	123.59	End Shut-In(2)
120	2031.26	123.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	W & MCGO 20%G 63%O 2%W 15%M	0.61
185.00	GMCO 20%G 70%O 10%M	2.60
185.00	G Free Oil 20%G 80%O	2.60
50.00	G Free Oil 70%G 30%O	0.70

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer

Potter F-1

PO Box 352
Russell KS 67665

14 17S 25W Ness KS

Job Ticket: 27854

DST#: 1

ATTN: Randy Kilian

Test Start: 2007.04.10 @ 17:58:01

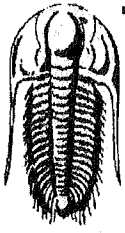
Tool Information

Drill Pipe:	Length: 4289.00 ft	Diameter: 3.80 inches	Volume: 60.16 bbl	Tool Weight: 2500.00 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: 68000.00 lb
			Total Volume: 60.31 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 43000.00 lb
Depth to Top Packer:	4310.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.02 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
Shut In Tool	5.00			4295.00	
Hydraulic tool	5.00			4300.00	
Packer	5.00			4305.00	20.00 Bottom Of Top Packer
Packer	5.00			4310.00	
Stubb	1.00			4311.00	
Perforations	1.00			4312.00	
Change Over Sub	1.00			4313.00	
Recorder	0.01	6769	Inside	4313.01	
Blank Spacing	31.00			4344.01	
Change Over Sub	1.00			4345.01	
Perforations	2.00			4347.01	
Recorder	0.01	13548	Outside	4347.02	
Bullnose	3.00			4350.02	40.02 Bottom Packers & Anchor

Total Tool Length: 60.02



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer

Potter F-1

PO Box 352
Russell KS 67665

14 17S 25W Ness KS

Job Ticket: 27854

DST#: 1

ATTN: Randy Kilian

Test Start: 2007.04.10 @ 17:58:01

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	42 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.95 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
63.00	W & MCGO 20%G 63%O 2%W 15%M	0.610
185.00	GMCO 20%G 70%O 10%M	2.595
185.00	G Free Oil 20%G 80%O	2.595
50.00	G Free Oil 70%G 30%O	0.701

Total Length: 483.00 ft Total Volume: 6.501 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: GTS 60 min.

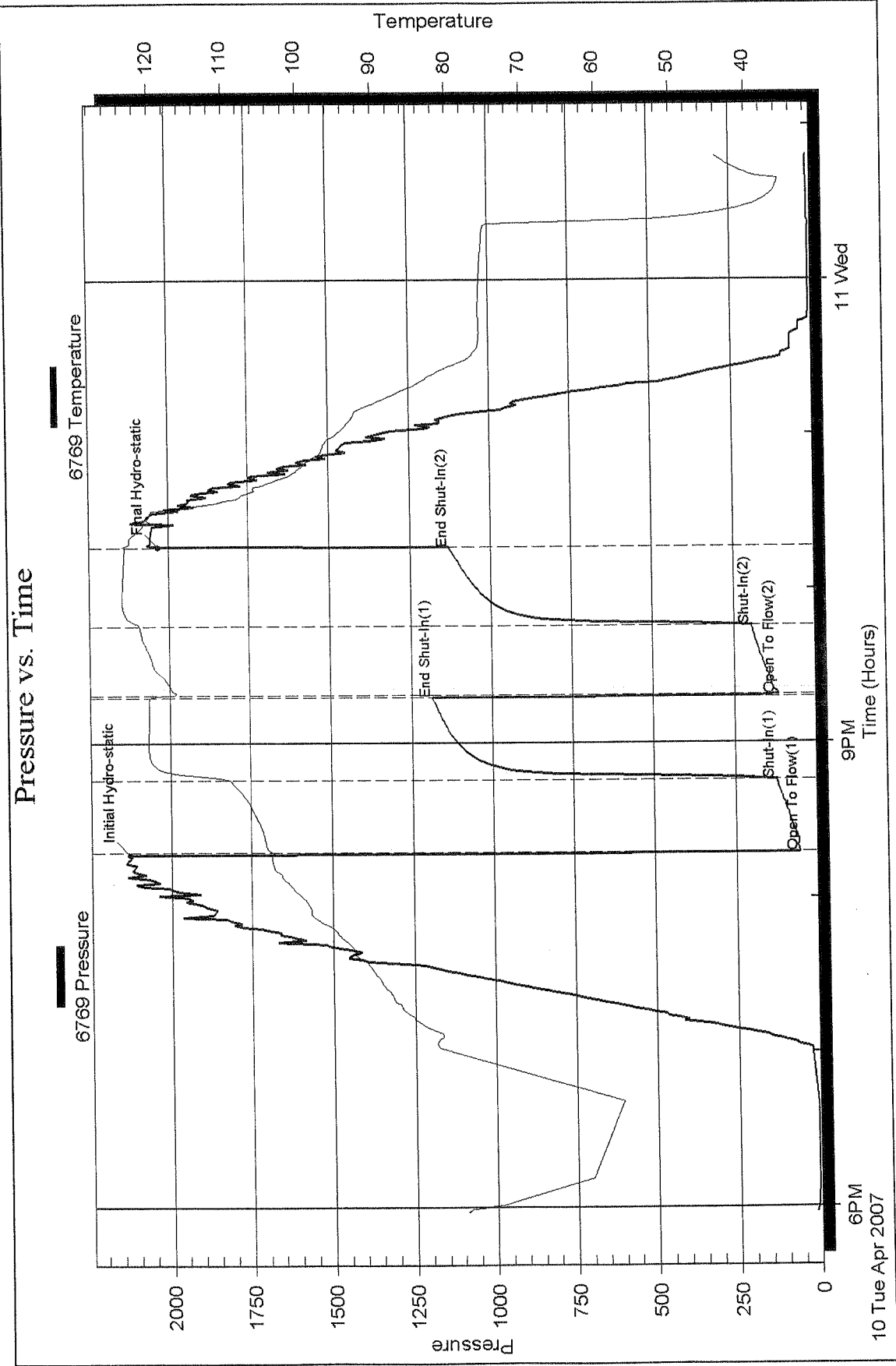
DST Test Number: 1

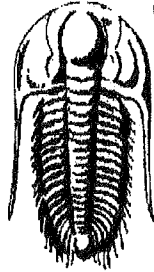
14 17S 25W Ness KS

John O Farmer

Inside

Serial #: 6769





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **John O Farmer**

PO Box 352
Russell KS 67665

ATTN: Randy Kilian

14 17S 25W Ness KS

Potter F-1

Start Date: 2007.04.11 @ 12:02:34

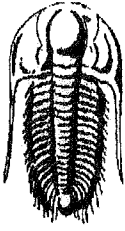
End Date: 2007.04.11 @ 20:00:17

Job Ticket #: 27855 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

Potter F-1

PO Box 352
Russell KS 67665

14 17S 25W Ness KS

Job Ticket: 27855

DST#: 2

ATTN: Randy Kilian

Test Start: 2007.04.11 @ 12:02:34

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:07:02

Time Test Ended: 20:00:17

Test Type: Conventional Bottom Hole

Tester: Brian Fairbank

Unit No: 19

Interval: 4391.00 ft (KB) To 4443.00 ft (KB) (TVD)

Reference Elevations: 2461.00 ft (KB)

Total Depth: 4443.00 ft (KB) (TVD)

2453.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 8.00 ft

Serial #: 6769

Inside

Press@RunDepth: 622.55 psig @ 4394.01 ft (KB)

Capacity: 7000.00 psig

Start Date: 2007.04.11

End Date: 2007.04.11

Last Calib.: 2007.04.11

Start Time: 12:02:34

End Time: 20:00:17

Time On Btm: 2007.04.11 @ 14:06:47

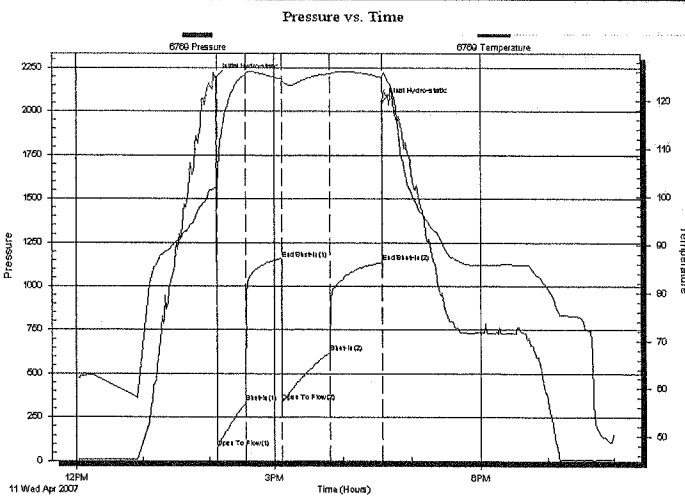
Time Off Btm: 2007.04.11 @ 16:35:17

TEST COMMENT: IFP BOB 3 min.

ISI 2" blow back died to 1"

FFP BOB 3 min.

FSI No blow back



PRESSURE SUMMARY

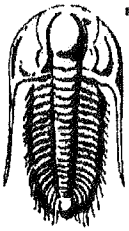
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2191.56	102.01	Initial Hydro-static
1	76.09	101.40	Open To Flow (1)
27	333.00	125.53	Shut-In(1)
60	1156.92	124.53	End Shut-In(1)
60	342.79	124.29	Open To Flow (2)
103	622.55	125.64	Shut-In(2)
148	1136.29	124.96	End Shut-In(2)
149	2055.12	125.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
125.00	GMCO 10%G 15%M 75%O	1.48
1360.00	REVERSED OUT	19.08
175.00	G Free Oil 17%G 3%M 80%O	2.45

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer

Potter F-1

PO Box 352
Russell KS 67665

14 17S 25W Ness KS

Job Ticket: 27855

DST#: 2

ATTN: Randy Kilian

Test Start: 2007.04.11 @ 12:02:34

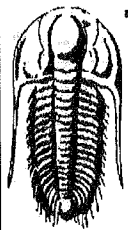
Tool Information

Drill Pipe:	Length: 4352.00 ft	Diameter: 3.80 inches	Volume: 61.05 bbl	Tool Weight: 2500.00 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: 65000.00 lb
			<u>Total Volume: 61.20 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	4391.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	52.02 ft			
Tool Length:	72.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4376.00	
Hydraulic tool	5.00			4381.00	
Packer	5.00			4386.00	20.00 Bottom Of Top Packer
Packer	5.00			4391.00	
Stubb	1.00			4392.00	
Perforations	1.00			4393.00	
Change Over Sub	1.00			4394.00	
Recorder	0.01	6769	Inside	4394.01	
Blank Spacing	31.00			4425.01	
Change Over Sub	1.00			4426.01	
Perforations	14.00			4440.01	
Recorder	0.01	13548	Outside	4440.02	
Bullnose	3.00			4443.02	52.02 Bottom Packers & Anchor

Total Tool Length: 72.02



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer

Potter F-1

PO Box 352
Russell KS 67665

14 17S 25W Ness KS

Job Ticket: 27855

DST#: 2

ATTN: Randy Kilian

Test Start: 2007.04.11 @ 12:02:34

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

42 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
125.00	GMCO 10%G 15%M 75%O	1.480
1360.00	REVERSED OUT	19.077
175.00	G Free Oil 17%G 3%M 80%O	2.455

Total Length: 1660.00 ft

Total Volume: 23.012 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 380' GIP

DST Test Number: 2

14 17S 25W Ness KS

John O Farmer

Inside

Serial #: 6769

