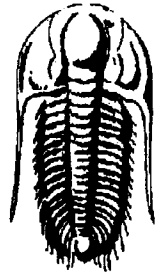


15-163-23570

27-7s-20w



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Bach Oil Prod**

ATTN: Randy Killian

27 7 20 Rooks KS

Mary Sue #1

Start Date: 2006.11.22 @ 23:20:30

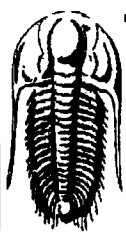
End Date: 2006.11.23 @ 09:38:30

Job Ticket #: 26880 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

Bach Oil Prod

Mary Sue #1

27 7 20 Rooks KS

Job Ticket: 26880

DST#: 1

ATTN: Randy Killian

Test Start: 2006.11.22 @ 23:20:30

GENERAL INFORMATION:

Formation: **Tor-LKC-E**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:01:30

Time Test Ended: 09:38:30

Test Type: Conventional Bottom Hole

Tester: Michael Armbrister

Unit No: 38

Interval: **3170.00 ft (KB) To 3295.00 ft (KB) (TVD)**

Total Depth: 3295.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition:

Reference Elevations: 2012.00 ft (KB)

2007.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6741 Inside

Press@RunDepth: 310.55 psig @ 3176.00 ft (KB)

Start Date: 2006.11.22

End Date:

2006.11.23

Start Time: 23:20:32

End Time:

09:38:30

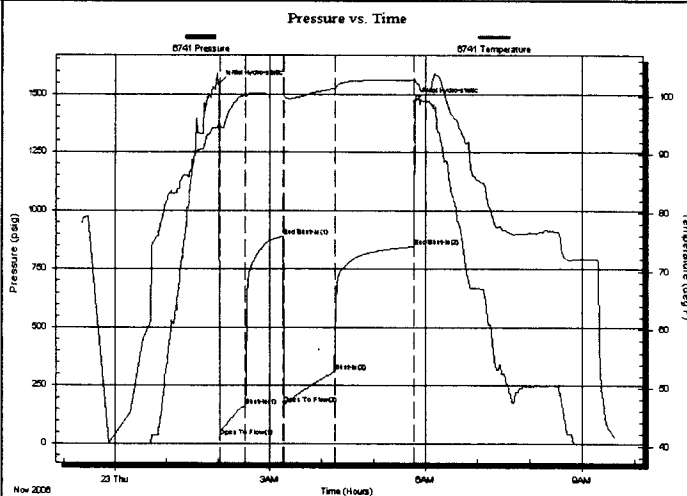
Capacity: 7000.00 psig

Last Calib.: 2006.11.23

Time On Btm: 2006.11.23 @ 02:01:00

Time Off Btm: 2006.11.23 @ 05:47:15

TEST COMMENT: IF B of B 6 m
ISI Surface blow back
FF B of B 7 m
FSI Surface Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1542.40	95.07	Initial Hydro-static
1	29.88	94.76	Open To Flow (1)
31	160.95	100.04	Shut-In(1)
74	888.05	100.35	End Shut-In(1)
75	168.52	100.12	Open To Flow (2)
134	310.55	101.38	Shut-In(2)
226	846.50	102.74	End Shut-In(2)
227	1469.56	102.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
300.00	Gassy Mud Out Oil 5%G 45%M 50%O	3.66
800.00	Clean Gassy Oil 10%G 90%O	11.22
0.00	180 GIP	0.00

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bach Oil Prod

Mary Sue #1

27 7 20 Rooks KS

Job Ticket: 26880

DST#: 1

ATTN: Randy Killian

Test Start: 2006.11.22 @ 23:20:30

Tool Information

Drill Pipe:	Length: 3096.00 ft	Diameter: 3.80 inches	Volume: 43.43 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 60.00 ft	Diameter: 2.25 inches	Volume: 0.30 bbl	Weight to Pull Loose:	38000.00 lb
		Total Volume:	43.73 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial	34000.00 lb
Depth to Top Packer:	3170.00 ft			Final	38000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	125.00 ft				
Tool Length:	146.00 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			3150.00	
Shut In Tool	5.00			3155.00	
Hydraulic tool	5.00			3160.00	
Packer	5.00			3165.00	21.00 Bottom Of Top Packer
Packer	5.00			3170.00	
Stubb	1.00			3171.00	
Perforations	5.00			3176.00	
Recorder	0.00	6741	Inside	3176.00	
Drill Pipe	93.00			3269.00	
Perforations	23.00			3292.00	
Recorder	0.00	13254	Outside	3292.00	
Bullnose	3.00			3295.00	125.00 Bottom Packers & Anchor

Total Tool Length: 146.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Bach Oil Prod

Mary Sue #1

27 7 20 Rooks KS

Job Ticket: 26880

DST#: 1

ATTN: Randy Killian

Test Start: 2006.11.22 @ 23:20:30

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: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.98 in³

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
300.00	GassyMudCut Oil 5%G 45%M 50%O	3.662
800.00	CleanGassy Oil 10%G 90%O	11.222
0.00	180 GIP	0.000

Total Length: 1100.00 ft

Total Volume: 14.884 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 1

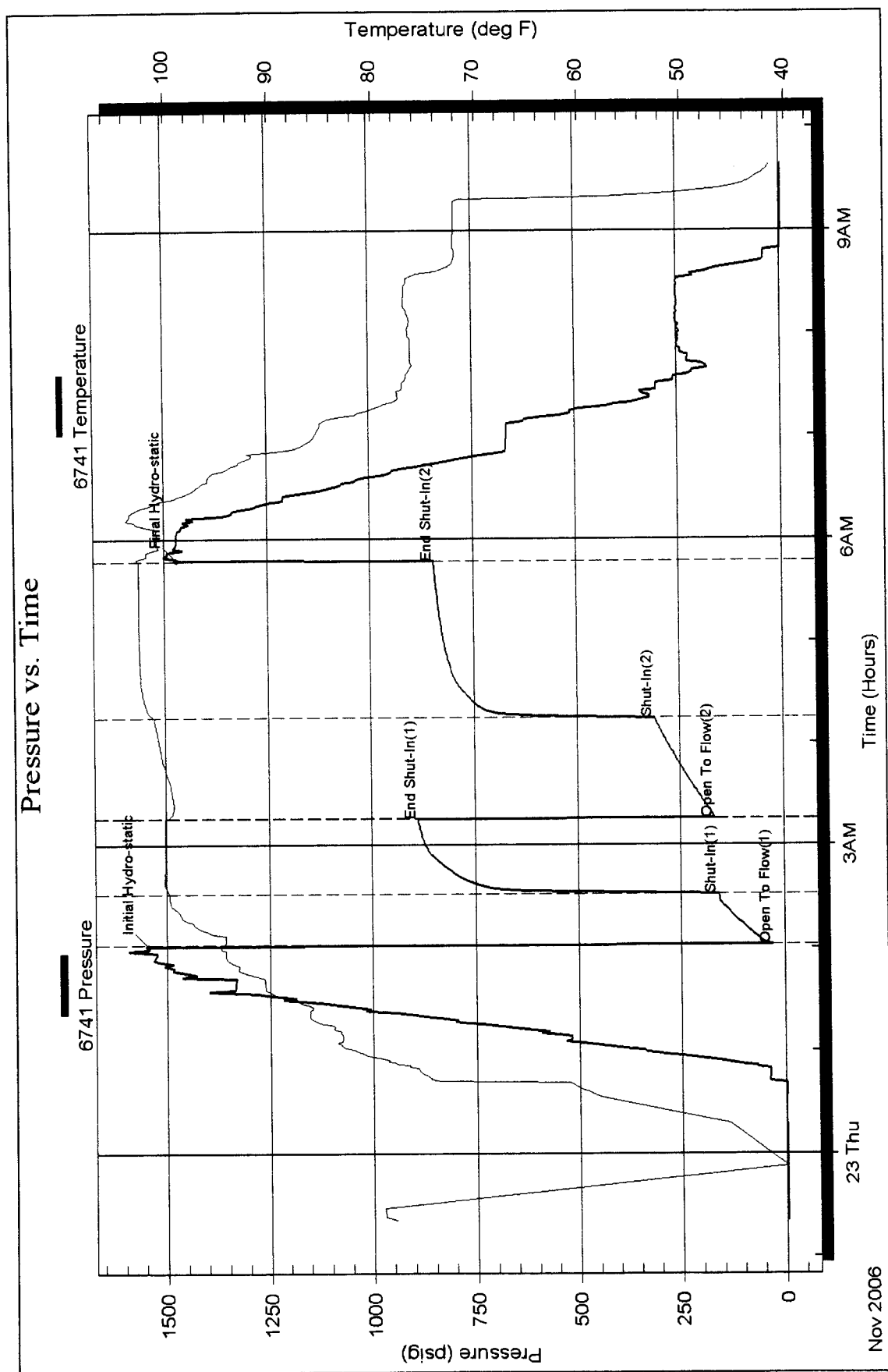
27 7 20 Rocks KS

Bach Oil Prod

Inside

Serial #: 6741

Pressure vs. Time



Ref. No: 26880

Tribbitt Testing, Inc