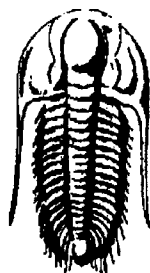


15-16s-10w

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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Kenmark Corp.**

P.O.Box 572
Hays, KS 67601-0572

ATTN: Mark Kilian

15--16s--10w

Chase #1

Start Date: 2001.11.09 @ 12:31:08

End Date: 2001.11.09 @ 18:57:08

Job Ticket #: 15640 DST #: 1

API 15-053-21108-0000

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Kenmark Corp.

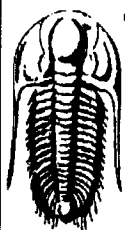
Chase #1

15--16s--10w

DST # 1

Arbuckle

2001.11.09



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Kenmark Corp.
P.O.Box 572
Hays, KS 67601-0572
ATTN: Mark Kilian

Chase #1
15-16s-10w
Job Ticket: 15640 DST#: 1
Test Start: 2001.11.09 @ 12:31:08

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 14:05:38
Time Test Ended: 18:57:08

Test Type: Conventional Bottom Hole
Tester: John Schmidt
Unit No: 18

Interval: **3382.00 ft (KB) To 3391.00 ft (KB) (TVD)**
Total Depth: 3391.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1884.00 ft (KB)
1879.00 ft (CF)
KB to GR/CF: 5.00 ft

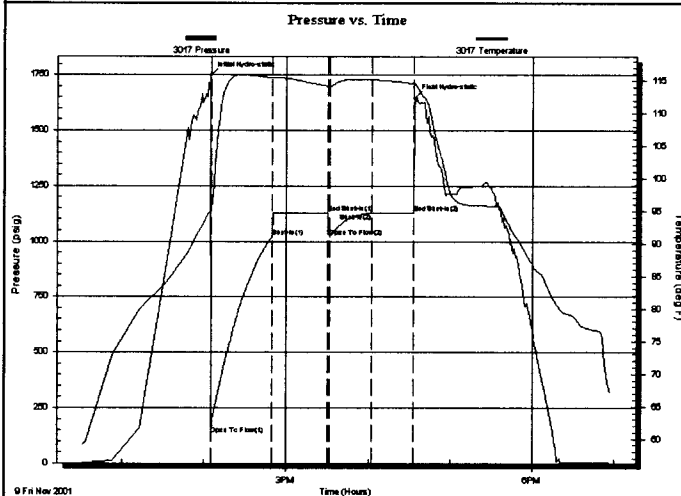
Serial #: 3017

Inside

Press@RunDepth: 1129.05 psig @ 3383.01 ft (KB)
Start Date: 2001.11.09 End Date: 2001.11.09
Start Time: 12:31:09 End Time: 18:57:08

Capacity: 7000.00 psig
Last Calib.: 2001.11.09
Time On Btm: 2001.11.09 @ 14:05:08
Time Off Btm: 2001.11.09 @ 16:33:08

TEST COMMENT: IF-Strong Blow B.O.B.in 1min. ISF-no blow
FF-Strong Blow B.O.B.in 1min. FSI-no blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1747.53	95.08	Initial Hydro-static
1	129.51	95.30	Open To Flow (1)
45	1019.48	115.45	Shut-In (1)
85	1129.19	114.15	End Shut-In (1)
86	1020.12	114.12	Open To Flow (2)
117	1129.05	115.14	Shut-In (2)
148	1129.57	114.52	End Shut-In (2)
148	1646.37	114.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2550.00	Salt water	33.92
0.00	RW .37 @ 65F	0.00

Gas Rates

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

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TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Kenmark Corp.

P.O.Box 572
Hays, KS 67601-0572

ATTN: Mark Kilian

Chase #1

15-16s-10w

Job Ticket: 15640

DST#: 1

Test Start: 2001.11.09 @ 12:31:08

Tool Information

Drill Pipe:	Length: 3164.00 ft	Diameter: 3.80 inches	Volume: 44.38 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 203.00 ft	Diameter: 2.25 inches	Volume: 1.00 bbl	Weight to Pull Loose: 80000.00 lb
		Total Volume: 45.38 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	3382.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	9.01 ft			
Tool Length:	29.01 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			3363.00	
S.I. Tool	5.00			3368.00	
HMV	5.00			3373.00	
Packer	4.00			3377.00	20.00 Bottom Of Top Packer
Packer	5.00			3382.00	
Stubb	1.00			3383.00	
Recorder	0.01	3017	Inside	3383.01	
Perforations	5.00			3388.01	
Bullnose	3.00			3391.01	9.01 Bottom Packers & Anchor
Total Tool Length:	29.01				

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TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Kenmark Corp.

Chase #1

P.O.Box 572
Hays, KS 67601-0572

15-16s-10w

Job Ticket: 15640

DST#: 1

ATTN: Mark Kilian

Test Start: 2001.11.09 @ 12:31:08

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:

20000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.20 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
2550.00	Salt water	33.921
0.00	RW .37 @ 65F	0.000

Total Length: 2550.00 ft

Total Volume: 33.921 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

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DST Test Number: 1

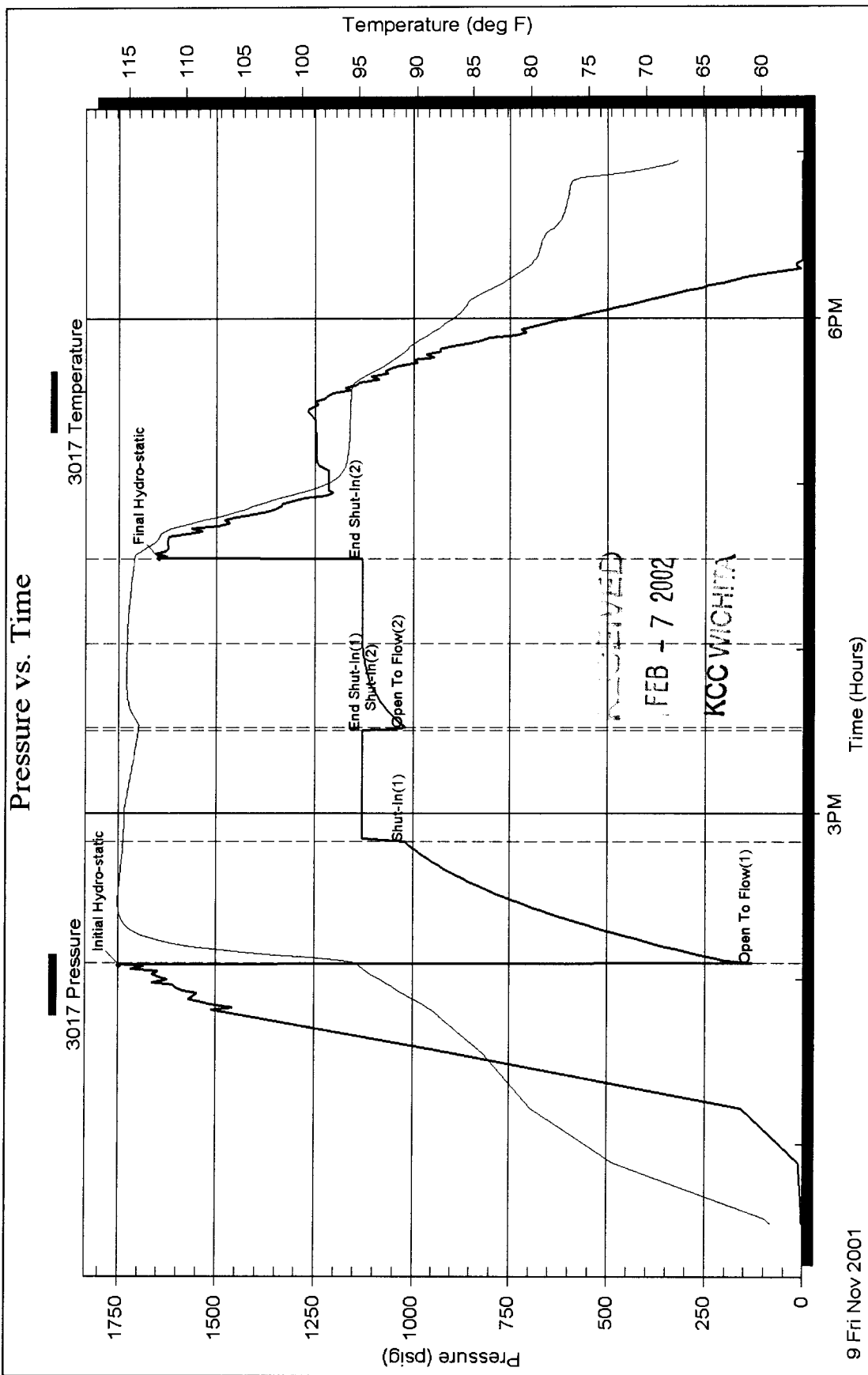
15--16s--10w

Kenmark Corp.

Inside

Serial #: 3017

Pressure vs. Time



Ref. No: 15640

Trilobite Testing, Inc

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