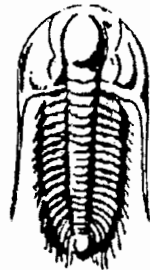


15-097-21500

29-30s-17w

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AUG 11, 2004
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KCC WICHITA



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Robinson Oil Co.**

300 W. Douglas Ste 420
Wichita Ks 67202

ATTN: Ben Landes

29 30s 17w

Booth #2

Start Date: 2003.04.13 @ 12:08:35

End Date: 2003.04.13 @ 20:45:50

Job Ticket #: 16575

DST #: 1

Robinson Oil Co.

Booth #2

29 30s 17w

DST # 1

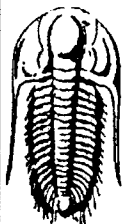
Miss

2003.04.13

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Robinson Oil Co.
300 W. Douglas Ste 420
Wichita Ks 67202
ATTN: Ben Landes

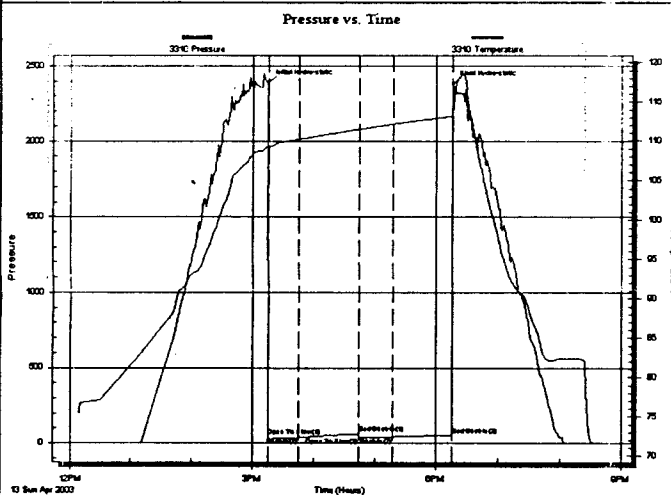
Booth #2
29 30s 17w
Job Ticket: 16575 DST#: 1
Test Start: 2003.04.13 @ 12:08:35

GENERAL INFORMATION:

Formation: Miss
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:15:20
Time Test Ended: 20:45:50
Test Type: Conventional Bottom Hole
Tester: Wenrich
Unit No: 24
Interval: 4949.00 ft (KB) To 5005.00 ft (KB) (TVD)
Reference Elevations: 2161.00 ft (KB)
Total Depth: 5005.00 ft (KB) (TVD) 2150.00 ft (CF)
Hole Diameter: 7.79 inches Hole Condition: Fair KB to GR/CF: 11.00 ft

Serial #: 3310 Inside
Press@RunDepth: 41.98 psig @ 4950.00 ft (KB)
Start Date: 2003.04.13 End Date: 2003.04.13 Capacity: 7000.00 psig
Start Time: 12:08:40 End Time: 20:45:50 Last Calib.: 1899.12.30
Time On Btm: 2003.04.13 @ 15:15:05
Time Off Btm: 2003.04.13 @ 18:15:35

TEST COMMENT: IF: Weak blow . 1/4"-1" in bucket.
IS: No blow .
FF: No blow .
FS: No blow .



PRESSURE SUMMARY

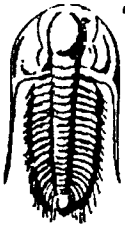
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2386.37	109.24	Initial Hydro-static
1	46.44	108.60	Open To Flow (1)
31	36.73	110.21	Shut-In(1)
90	61.80	111.47	End Shut-In(1)
91	36.47	111.46	Open To Flow (2)
123	41.98	112.15	Shut-In(2)
181	54.23	113.13	End Shut-In(2)
181	2379.04	114.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	m	0.25

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Robinson Oil Co.

Booth #2

300 W. Douglas Ste 420
Wichita Ks 67202

29 30s 17w

Job Ticket: 16575

DST#: 1

ATTN: Ben Landes

Test Start: 2003.04.13 @ 12:08:35

Tool Information

Drill Pipe:	Length: 4893.00 ft	Diameter: 3.80 inches	Volume: 68.64 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 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: 64000.00 lb
			Total Volume: 68.94 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	4949.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	56.00 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
C.O. Sub	1.00			4930.00	
S.I. Tool	5.00			4935.00	
HMV	5.00			4940.00	
Packer	4.00			4944.00	20.00 Bottom Of Top Packer
Packer	5.00			4949.00	
Stubb	1.00			4950.00	
Recorder	0.00	3310	Inside	4950.00	
Perforations	5.00			4955.00	
C.O. Sub	0.00			4955.00	
Blank Spacing	30.00			4985.00	
C.O. Sub	1.00			4986.00	
Perforations	17.00			5003.00	
Recorder	0.00	10242	Outside	5003.00	
Bullnose	2.00			5005.00	56.00 Bottom Packers & Anchor

Total Tool Length: 76.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Robinson Oil Co.

Booth #2

300 W.Douglas Ste 420
Wichita Ks 67202

29 30s 17w

Job Ticket: 16575

DST#: 1

ATTN: Ben Landes

Test Start: 2003.04.13 @ 12:08:35

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: 10.38 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	m	0.246

Total Length: 50.00 ft

Total Volume: 0.246 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

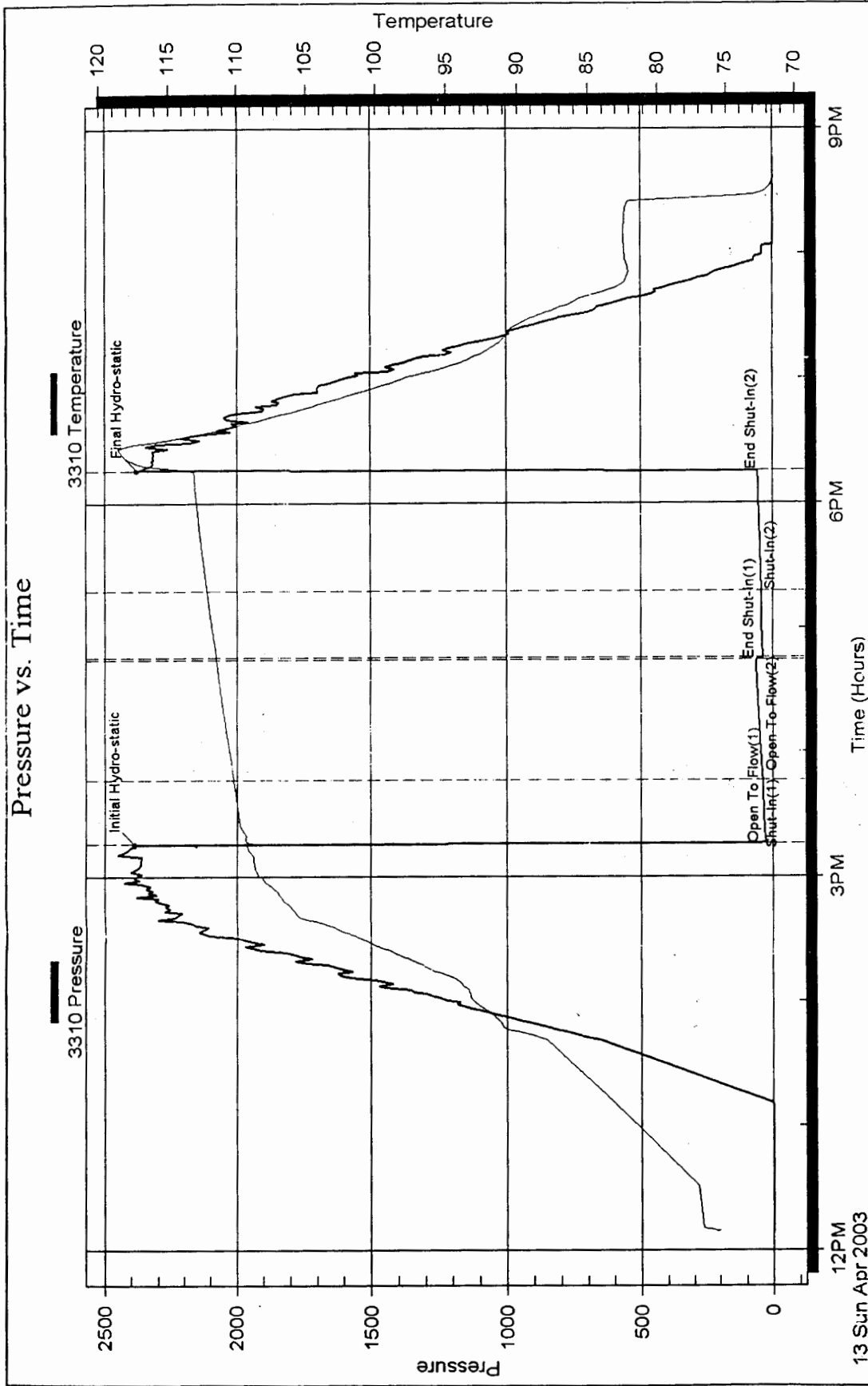
Serial #: 3310

Inside

Robinson Oil Co.

29 30s 17w

DST Test Number: 1



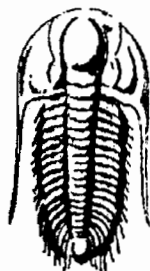
Trilobite Testing, Inc

Ref. No: 16575

Printed: 2003.04.24 @ 13:47:08 Page 5

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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Robinson Oil Co.**

300 W. Douglas Ste 420
Wichita Ks 67202

ATTN: Ben Landes

29 30s 17w

Booth #2

Start Date: 2003.04.14 @ 17:36:26

End Date: 2003.04.15 @ 03:55:11

Job Ticket #: 17826 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Robinson Oil Co.

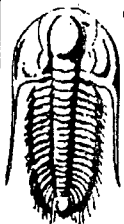
Booth #2

29 30s 17w

DST # 2

Viola

2003.04.14



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Robinson Oil Co.

300 W.Douglas Ste 420
Wichita Ks 67202

ATTN: Ben Landes

Booth #2

29 30s 17w

Job Ticket: 17826

DST#: 2

Test Start: 2003.04.14 @ 17:36:26

GENERAL INFORMATION:

Formation: Viola

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:49:11

Time Test Ended: 03:55:11

Test Type: Conventional Bottom Hole

Tester: Wenrich

Unit No: 24

Interval: 5213.00 ft (KB) To 5274.00 ft (KB) (TVD)

Total Depth: 55274.00 ft (KB) (TVD)

Hole Diameter: 7.79 inches Hole Condition: Fair

Reference Elevations: 2161.00 ft (KB)

2150.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 3310

Inside

Press@RunDepth: 80.01 psig @ 5214.00 ft (KB)

Start Date: 2003.04.14

End Date:

2003.04.15

Start Time: 17:36:31

End Time:

03:55:11

Capacity: 7000.00 psig

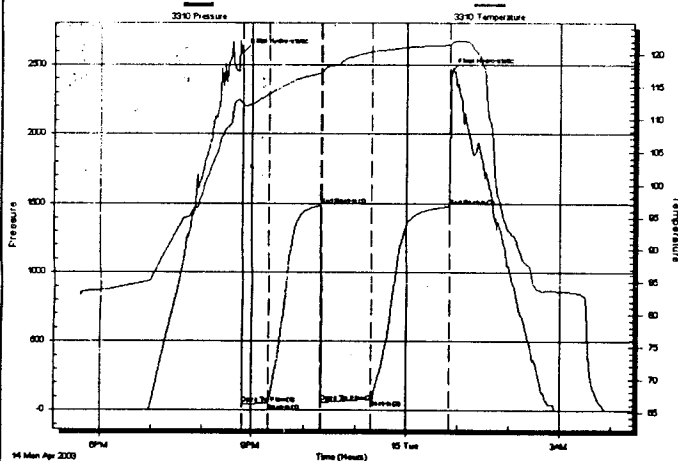
Last Calib.: 1899.12.30

Time On Btm: 2003.04.14 @ 20:48:41

Time Off Btm: 2003.04.15 @ 00:50:56

TEST COMMENT: IF: Strong blow .BOB in 8 mins.
IS: No blow.
FF: Strong blow .BOB in 30 secs.
FS: No blow.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2389.22	112.42	Initial Hydro-static
1	45.78	112.27	Open To Flow (1)
31	52.17	113.92	Shut-In (1)
91	1485.44	117.11	End Shut-In (1)
92	58.26	117.22	Open To Flow (2)
150	80.01	120.43	Shut-In (2)
242	1480.07	121.46	End Shut-In (2)
243	2448.93	121.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	gocm 25%g 8%o 67%w	1.14

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Robinson Oil Co.

Booth #2

300 W.Douglas Ste 420
Wichita Ks 67202

29 30s 17w

Job Ticket: 17826

DST#: 2

ATTN: Ben Landes

Test Start: 2003.04.14 @ 17:36:26

Tool Information

Drill Pipe:	Length: 5139.00 ft	Diameter: 3.80 inches	Volume: 72.09 bbl	Tool Weight:	2100.00 lb		
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 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:	66000.00 lb		
			Total Volume:	72.39 bbl	Tool Chased	0.00 ft	
Drill Pipe Above KB:	6.00 ft			String Weight: Initial	56000.00 lb	Final	57000.00 lb
Depth to Top Packer:	5213.00 ft						
Depth to Bottom Packer:	ft						
Interval between Packers:	61.00 ft						
Tool Length:	81.00 ft						
Number of Packers:	2	Diameter:	6.75 inches				
Tool Comments:							

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			5194.00	
S.I. Tool	5.00			5199.00	
HMV	5.00			5204.00	
Packer	4.00			5208.00	20.00 Bottom Of Top Packer
Packer	5.00			5213.00	
Stubb	1.00			5214.00	
Recorder	0.00	3310	Inside	5214.00	
Perforations	5.00			5219.00	
C.O. Sub	0.00			5219.00	
Blank Spacing	31.00			5250.00	
C.O. Sub	1.00			5251.00	
Perforations	21.00			5272.00	
Recorder	0.00	10242	Outside	5272.00	
Bullnose	2.00			5274.00	61.00 Bottom Packers & Anchor

Total Tool Length: 81.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Robinson Oil Co.

Booth #2

300 W.Douglas Ste 420
Wichita Ks 67202

29 30s 17w

Job Ticket: 17826

DST#: 2

ATTN: Ben Landes

Test Start: 2003.04.14 @ 17:36:26

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: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.39 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	gocm 25%g 8%o 67%m	1.137

Total Length: 120.00 ft

Total Volume: 1.137 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

