

DRILL STEM TEST REPORT

Prepared For: **Gore Oil Company**

202 S St. St Francis
Wichita KS 67202

ATTN: Bob Stolzle

5-10s-17w Rooks,KS

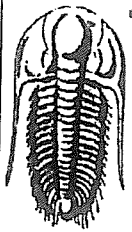
Yunker"A" #7

Start Date: 2011.05.14 @ 12:25:58

End Date: 2011.05.14 @ 18:33:28

Job Ticket #: 42735 DST #: 1

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Gore Oil Company

Yunker "A" #7

202 S St. St Francis
Wichita KS 67202

5-10s-17w Rooks, KS

Job Ticket: 42735

DST#: 1

ATTN: Bob Stolze

Test Start: 2011.05.14 @ 12:25:58

GENERAL INFORMATION:

Formation: LKC "B-D"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:08:58

Time Test Ended: 18:33:28

Test Type: Conventional Bottom Hole

Tester: Brett Dickinson

Unit No: 47

Interval: 3287.00 ft (KB) To 3345.00 ft (KB) (TVD)

Total Depth: 3345.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2099.00 ft (KB)

2091.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8319

Outside

Press@RunDepth: 24.95 psig @ 3288.00 ft (KB)

Start Date: 2011.05.14

End Date:

2011.05.14

Start Time: 12:26:03

End Time:

18:33:27

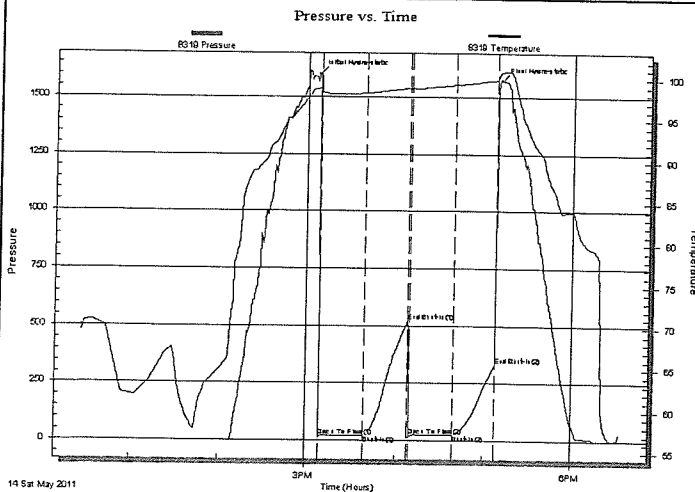
Capacity: 8000.00 psig

Last Calib.: 2011.05.14

Time On Btm: 2011.05.14 @ 15:07:28

Time Off Btm: 2011.05.14 @ 17:10:28

TEST COMMENT: IF-1/4" blow died in 13 min
IS-No blow
FF-No blow
FS-No blow



PRESSURE SUMMARY

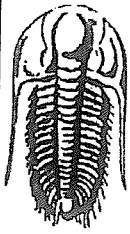
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1598.43	98.79	Initial Hydro-static
2	19.04	98.33	Open To Flow (1)
32	22.94	98.27	Shut-In(1)
61	519.86	98.90	End Shut-In(1)
62	23.55	98.79	Open To Flow (2)
92	24.95	99.28	Shut-In(2)
120	330.65	99.86	End Shut-In(2)
123	1572.60	100.79	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Oil spotted mud	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Gore Oil Company
202 S St. St Francis
Wichita KS 67202
ATTN: Bob Stolzie

Yunker "A" #7
5-10s-17w Rooks, KS
Job Ticket: 42735 DST#: 1
Test Start: 2011.05.14 @ 12:25:58

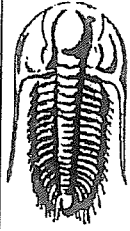
Tool Information

Drill Pipe:	Length: 3244.00 ft	Diameter: 3.80 inches	Volume: 45.50 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 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:	45.65 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3287.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	58.00 ft			
Tool Length:	86.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3260.00	
Shut In Tool	5.00			3265.00	
Hydraulic tool	5.00			3270.00	
Jars	5.00			3275.00	
Safety Joint	2.00			3277.00	
Packer	5.00			3282.00	28.00 Bottom Of Top Packer
Packer	5.00			3287.00	
Stubb	1.00			3288.00	
Recorder	0.00	6753	Inside	3288.00	
Recorder	0.00	8319	Outside	3288.00	
Perforations	2.00			3290.00	
Change Over Sub	1.00			3291.00	
Blank Spacing	31.00			3322.00	
Change Over Sub	1.00			3323.00	
Perforations	19.00			3342.00	
Bullnose	3.00			3345.00	58.00 Bottom Packers & Anchor
Total Tool Length:	86.00				



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Gore Oil Company
202 S St. St Francis
Wichita KS 67202
ATTN: Bob Stolze

Yunker"A" #7
5-10s-17w Rooks,KS
Job Ticket: 42735 DST#: 1
Test Start: 2011.05.14 @ 12:25:58

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: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.38 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2500.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Oil spotted mud	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:

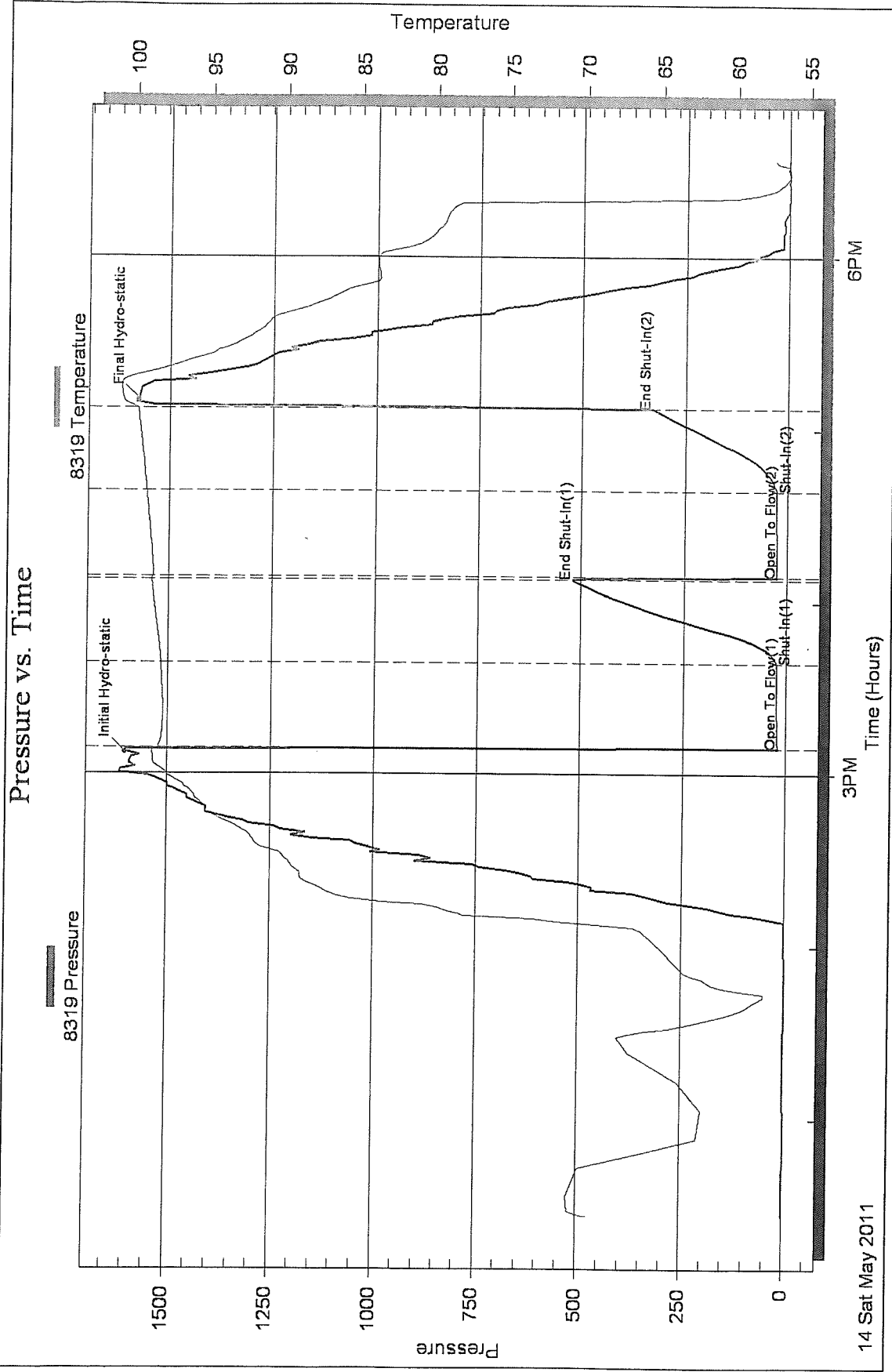
Serial #: 8319

Outside Gore Oil Company

5-10s-17w Rooks, KS

DST Test Number: 1

Pressure vs. Time

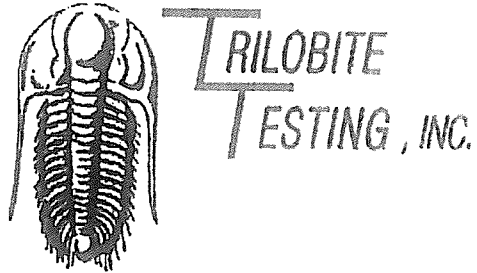


14 Sat May 2011

Trilobite Testing, Inc

Ref. No: 42735

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DRILL STEM TEST REPORT

Prepared For: **Gore Oil Company**

202 S St. St Francis
Wichita KS 67202

ATTN: Bob Stoizle

5-10s-17w Rooks,KS

Yunker"A" #7

Start Date: 2011.05.15 @ 01:15:12

End Date: 2011.05.15 @ 08:44:12

Job Ticket #: 42736 DST #: 2

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Gore Oil Company

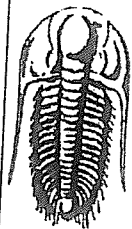
Yunker"A" #7

5-10s-17w Rooks,KS

DST # 2

KC "E-G"

2011.05.15



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Gore Oil Company

202 S St. St Francis
Wichita KS 67202

ATTN: Bob Stolzle

Yunker "A" #7

5-10s-17w Rooks, KS

Job Ticket: 42736

DST#: 2

Test Start: 2011.05.15 @ 01:15:12

GENERAL INFORMATION:

Formation: **KC "E-G"**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: 03:19:12
 Time Test Ended: 08:44:12
 Interval: **3342.00 ft (KB) To 3375.00 ft (KB) (TVD)**
 Total Depth: **3375.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Test Type: **Conventional Bottom Hole**
 Tester: **Brett Dickinson**
 Unit No: **47**

Reference Elevations: **2099.00 ft (KB)**
2091.00 ft (CF)
 KB to GR/CF: **8.00 ft**

Serial #: **8319**

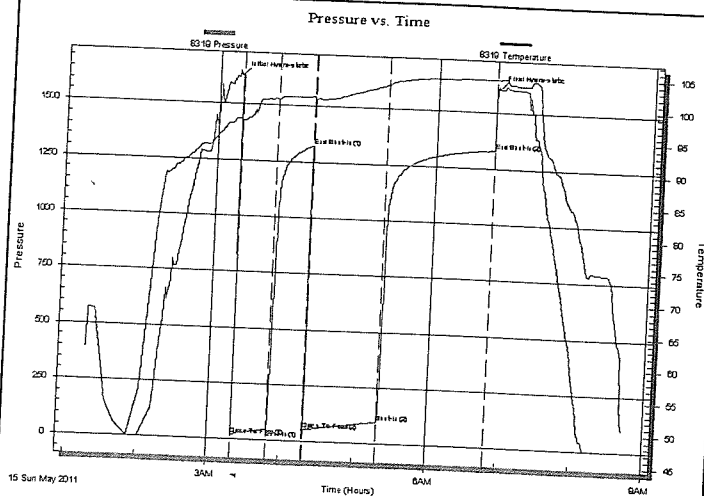
Outside

Press@RunDepth: **97.56 psig @ 3343.00 ft (KB)**

Start Date: **2011.05.15** End Date: **2011.05.15**
 Start Time: **01:15:17** End Time: **08:44:11**

Capacity: **8000.00 psig**
 Last Calib.: **2011.05.15**
 Time On Btm: **2011.05.15 @ 03:17:42**
 Time Off Btm: **2011.05.15 @ 06:51:42**

TEST COMMENT: **IF-7.75" blow**
IS-No blow
FF-8" blow
FSI-No blow



PRESSURE SUMMARY

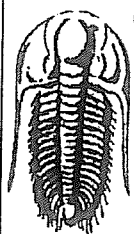
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1629.59	97.09	Initial Hydro-static
2	19.66	96.77	Open To Flow (1)
32	50.46	100.28	Shut-In(1)
62	1320.28	100.77	End Shut-In(1)
62	54.22	100.31	Open To Flow (2)
122	97.56	103.01	Shut-In(2)
212	1328.69	104.37	End Shut-In(2)
214	1606.79	104.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	Free Oil	0.01
179.00	MCW 25%M 75%W	2.51

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Gore Oil Company

Yunker "A" #7

202 S St. St Francis
Wchita KS 67202

5-10s-17w Rooks, KS

Job Ticket: 42736

DST#: 2

ATTN: Bob Stolze

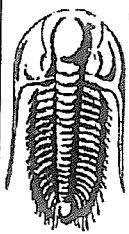
Test Start: 2011.05.15 @ 01:15:12

Tool Information

Drill Pipe:	Length: 3339.00 ft	Diameter: 3.80 inches	Volume: 46.84 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 46.84 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3342.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	33.00 ft			
Tool Length:	61.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3315.00	
Shut In Tool	5.00			3320.00	
Hydraulic tool	5.00			3325.00	
Jars	5.00			3330.00	
Safety Joint	2.00			3332.00	
Packer	5.00			3337.00	28.00 Bottom Of Top Packer
Packer	5.00			3342.00	
Stubb	1.00			3343.00	
Recorder	0.00	6753	Inside	3343.00	
Recorder	0.00	8319	Outside	3343.00	
Perforations	4.00			3347.00	
Perforations	25.00			3372.00	
Bullnose	3.00			3375.00	33.00 Bottom Packers & Anchor
Total Tool Length:	61.00				



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DRILL STEM TEST REPORT

FLUID SUMMARY

Gore Oil Company

Yunker "A" #7

202 S St. St Francis
Wichita KS 67202

5-10s-17w Rooks, KS

ATTN: Bob Stolze

Job Ticket: 42736

DST#: 2

Test Start: 2011.05.15 @ 01:15:12

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil AFI:

deg AFI

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

70000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
1.00	Free Oil	0.014
179.00	M/W 25%M 75%W	2.511

Total Length: 180.00 ft Total Volume: 2.525 bbl

Num Fluid Samples: 0

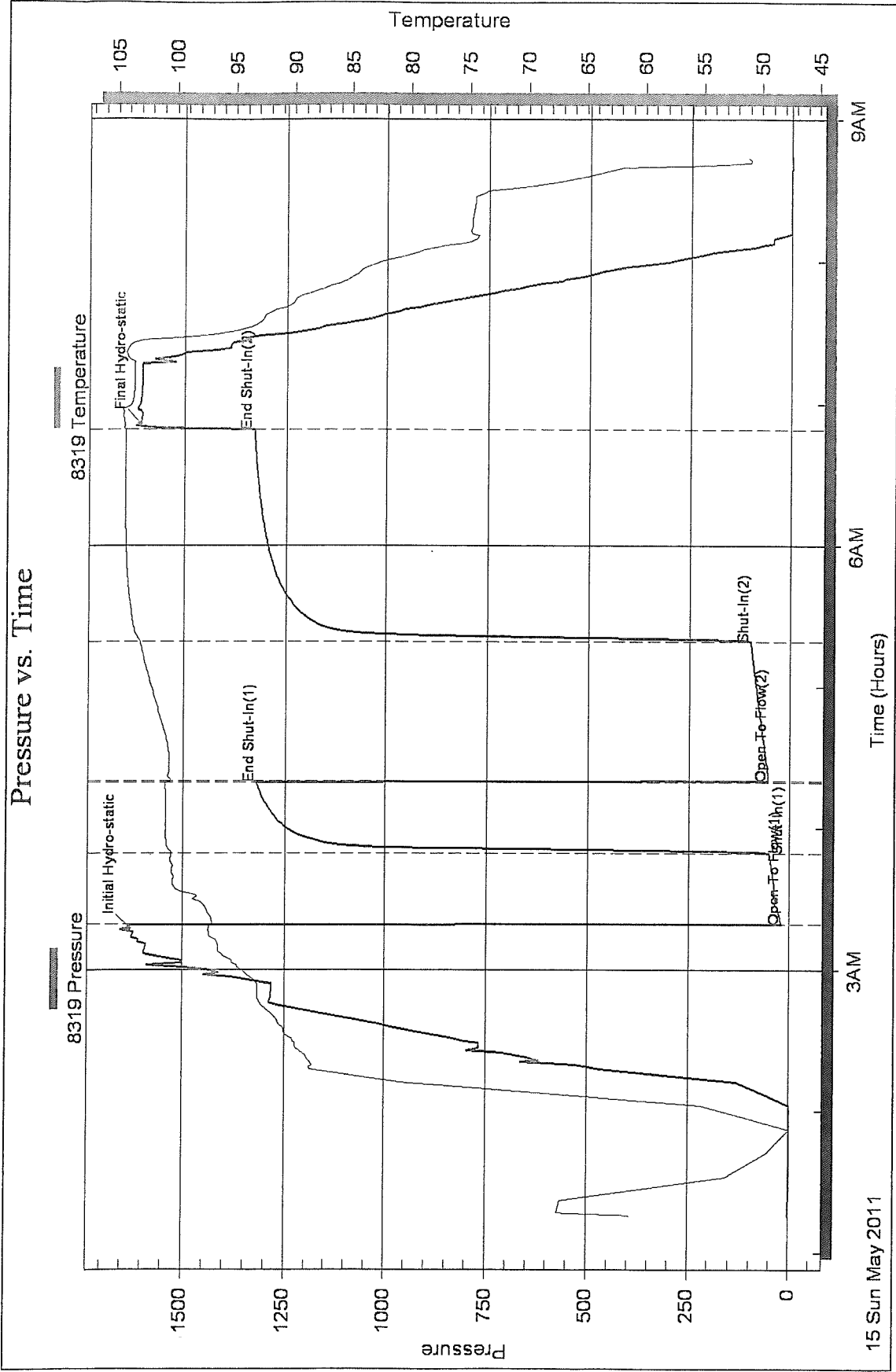
Num Gas Borbs: 0

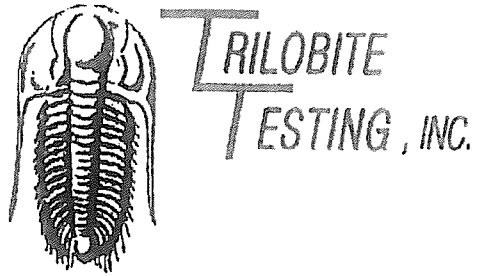
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Rw .65 @ 53 deg F





DRILL STEM TEST REPORT

Prepared For: **Gore Oil Company**

202 S St. St Francis
Wichita KS 67202

ATTN: Bob Stolze

5-10s-17w Rooks,KS

Yunker"A" #7

Start Date: 2011.05.16 @ 06:00:43

End Date: 2011.05.16 @ 12:12:13

Job Ticket #: 42737 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Gore Oil Company

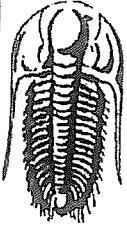
Yunker"A" #7

5-10s-17w Rooks,KS

DST # 3

KC"1-J"

2011.05.16



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Gore Oil Company
 202 S St. St Francis
 Wichita KS 67202
 ATTN: Bob Stolze

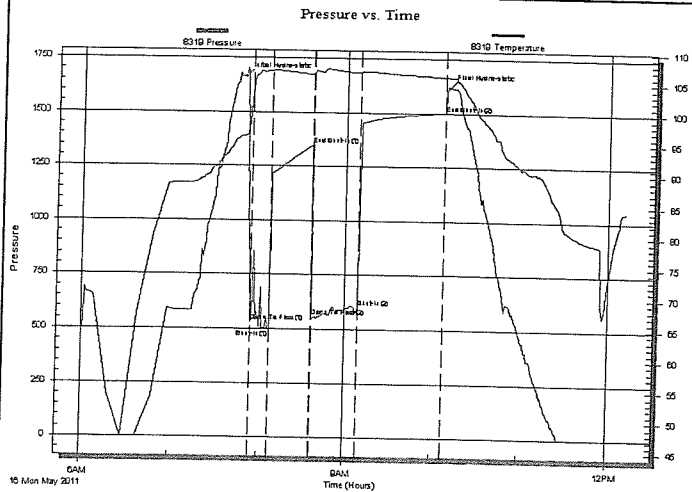
Yunker"A" #7
 5-10s-17w Rooks,KS
 Job Ticket: 42737 DST#: 3
 Test Start: 2011.05.16 @ 06:00:43

GENERAL INFORMATION:

Formation: **KC"J"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:54:13
 Time Test Ended: 12:12:13
 Interval: **3423.00 ft (KB) To 3515.00 ft (KB) (TVD)**
 Total Depth: **3515.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches**Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: Brett Dickinson
 Unit No: 47
 Reference Elevations: 2099.00 ft (KB)
 2091.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: **8319** Outside
 Press@RunDepth: **602.06 psig @ 3424.00 ft (KB)**
 Start Date: 2011.05.16 End Date: 2011.05.16 Capacity: 8000.00 psig
 Start Time: 06:00:48 End Time: 12:12:12 Last Calib.: 2011.05.16
 Time On Btrt: 2011.05.16 @ 07:49:13
 Time Off Btrt: 2011.05.16 @ 10:09:43

TEST COMMENT: IF-BOB immediatley
 ISI-No blow
 FF-BOB in 2min
 FSI-No blow



PRESSURE SUMMARY

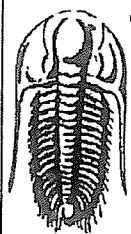
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1662.45	96.20	Initial Hydro-static
5	532.29	103.30	Open To Flow (1)
18	497.62	106.74	Shut-In(1)
47	1348.01	106.19	End Shut-In(1)
48	557.12	105.84	Open To Flow (2)
80	602.06	106.56	Shut-In(2)
138	1498.21	105.93	End Shut-In(2)
141	1615.62	105.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
660.00	Mud	9.26
120.00	WCM 15%W 85%M	1.68
585.00	WCM 40%W 60%M	8.21

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Gore Oil Company

Yunker "A" #7

202 S St. St Francis
Wichita KS 67202

5-10s-17w Rooks, KS

Job Ticket: 42737

DST#: 3

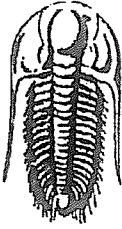
ATTN: Bob Stolze

Test Start: 2011.05.16 @ 06:00:43

Tool Information

Drill Pipe:	Length: 3401.00 ft	Diameter: 3.80 inches	Volume: 47.71 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 47.71 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3423.00 ft			Final 59000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	92.00 ft			
Tool Length:	120.00 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			3396.00	
Shut In Tool	5.00			3401.00	
Hydraulic tool	5.00			3406.00	
Jars	5.00			3411.00	
Safety Joint	2.00			3413.00	
Packer	5.00			3418.00	28.00 Bottom Of Top Packer
Packer	5.00			3423.00	
Stubb	1.00			3424.00	
Recorder	0.00	6753	Inside	3424.00	
Recorder	0.00	8319	Outside	3424.00	
Perforations	4.00			3428.00	
Change Over Sub	1.00			3429.00	
Blank Spacing	62.00			3491.00	
Change Over Sub	1.00			3492.00	
Perforations	20.00			3512.00	
Bullnose	3.00			3515.00	92.00 Bottom Packers & Anchor
Total Tool Length:	120.00				



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Wichita KS 67202

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ATTN: Bob Stolze

Job Ticket: 42737

DST#: 3

Test Start: 2011.05.16 @ 06:00:43

Mud and Cushion Information

Mud Type: Gal Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.37 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
660.00	Mud	9.258
120.00	WCM 15%W 85%M	1.683
585.00	WCM 40%W 60%M	8.206

Total Length: 1365.00 ft Total Volume: 19.147 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .35 @ 65 deg F

