

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Gore Oil Company**

PO Box 2757
Wichita KS 67202-4518

ATTN: Larry M Jack

7-10s-17w Rooks,KS

Ross D #4

Start Date: 2011.05.22 @ 16:26:02

End Date: 2011.05.22 @ 22:04:02

Job Ticket #: 43806 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

ORIGINAL

Printed: 2011.06.01 @ 09:58:27 Page 1

Gore Oil Company

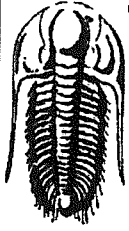
Ross D #4

7-10s-17w Rooks,KS

DST # 1

Lansing-B-F

2011.05.22



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Gore Oil Company
PO Box 2757
Wichita KS 67202-4518
ATTN: Larry M Jack

Ross D #4
7-10s-17w Rooks,KS
Job Ticket: 43806 **DST#: 1**
Test Start: 2011.05.22 @ 16:26:02

GENERAL INFORMATION:

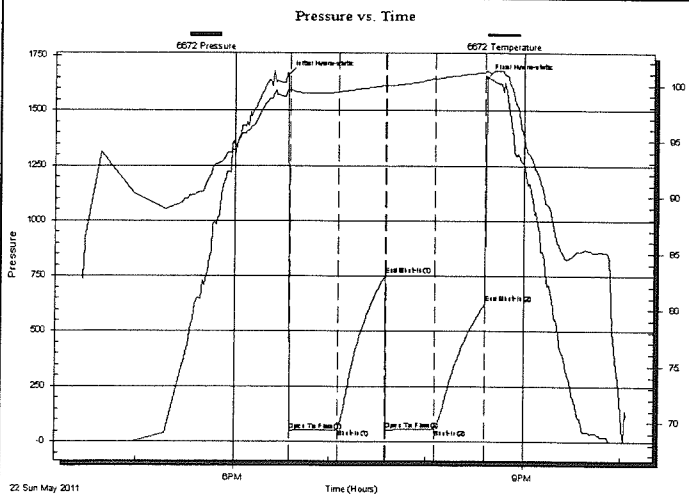
Formation: **Lansing-B-F**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:34:32
Time Test Ended: 22:04:02
Interval: **3367.00 ft (KB) To 3454.00 ft (KB) (TVD)**
Total Depth: 3454.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Jeff Brown
Unit No: 44
Reference Elevations: 2146.00 ft (KB)
2138.00 ft (CF)
KB to GRVCF: 8.00 ft

Serial #: 6672

Inside

Press@RunDepth: 56.68 psig @ 3436.00 ft (KB)
Start Date: 2011.05.22 End Date: 2011.05.22
Start Time: 16:26:03 End Time: 22:04:02
Capacity: 8000.00 psig
Last Calib.: 2011.05.22
Time On Btrm: 2011.05.22 @ 18:33:32
Time Off Btrm: 2011.05.22 @ 20:37:32

TEST COMMENT: IFF-Weak blow built to 3/4 in
ISI-Dead no blow back
FFP-Dead no blow
FSI-Dead no blow back



PRESSURE SUMMARY

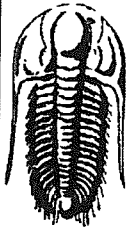
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1662.73	99.58	Initial Hydro-static
1	49.69	99.49	Open To Flow (1)
32	58.52	99.37	Shut-In(1)
61	753.09	99.95	End Shut-In(1)
62	53.98	99.84	Open To Flow (2)
92	56.68	100.57	Shut-In(2)
123	628.60	101.12	End Shut-In(2)
124	1651.30	101.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud	0.21

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Gore Oil Company

Ross D #4

PO Box 2757
Wichita KS 67202-4518

7-10s-17w Rooks,KS

Job Ticket: 43806

DST#: 1

ATTN: Larry M Jack

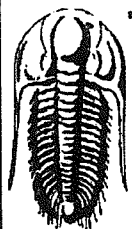
Test Start: 2011.05.22 @ 16:26:02

Tool Information

Drill Pipe:	Length: 3368.00 ft	Diameter: 3.80 inches	Volume: 47.24 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 54000.00 lb
			<u>Total Volume: 47.24 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3367.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	87.00 ft			
Tool Length:	115.00 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			3340.00	
Shut In Tool	5.00			3345.00	
Hydraulic tool	5.00			3350.00	
Jars	5.00			3355.00	
Safety Joint	3.00			3358.00	
Packer	4.00			3362.00	28.00 Bottom Of Top Packer
Packer	5.00			3367.00	
Stubb	1.00			3368.00	
Perforations	3.00			3371.00	
Change Over Sub	1.00			3372.00	
Drill Pipe	63.00			3435.00	
Change Over Sub	1.00			3436.00	
Recorder	0.00	6672	Inside	3436.00	
Recorder	0.00	8321	Outside	3436.00	
Perforations	15.00			3451.00	
Bullnose	3.00			3454.00	87.00 Bottom Packers & Anchor
Total Tool Length:	115.00				



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Gore Oil Company
PO Box 2757
Wichita KS 67202-4518
ATTN: Larry M Jack

Ross D #4
7-10s-17w Rooks,KS
Job Ticket: 43806 **DST#: 1**
Test Start: 2011.05.22 @ 16:26:02

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length:	Water Salinity:	ppm
Viscosity: 60.00 sec/qt			
Water Loss: 6.39 in ³	Cushion Volume:		
Resistivity: ohm.m	Gas Cushion Type:		
Salinity: 3900.00 ppm	Gas Cushion Pressure:		
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Mud	0.210

Total Length: 15.00 ft Total Volume: 0.210 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

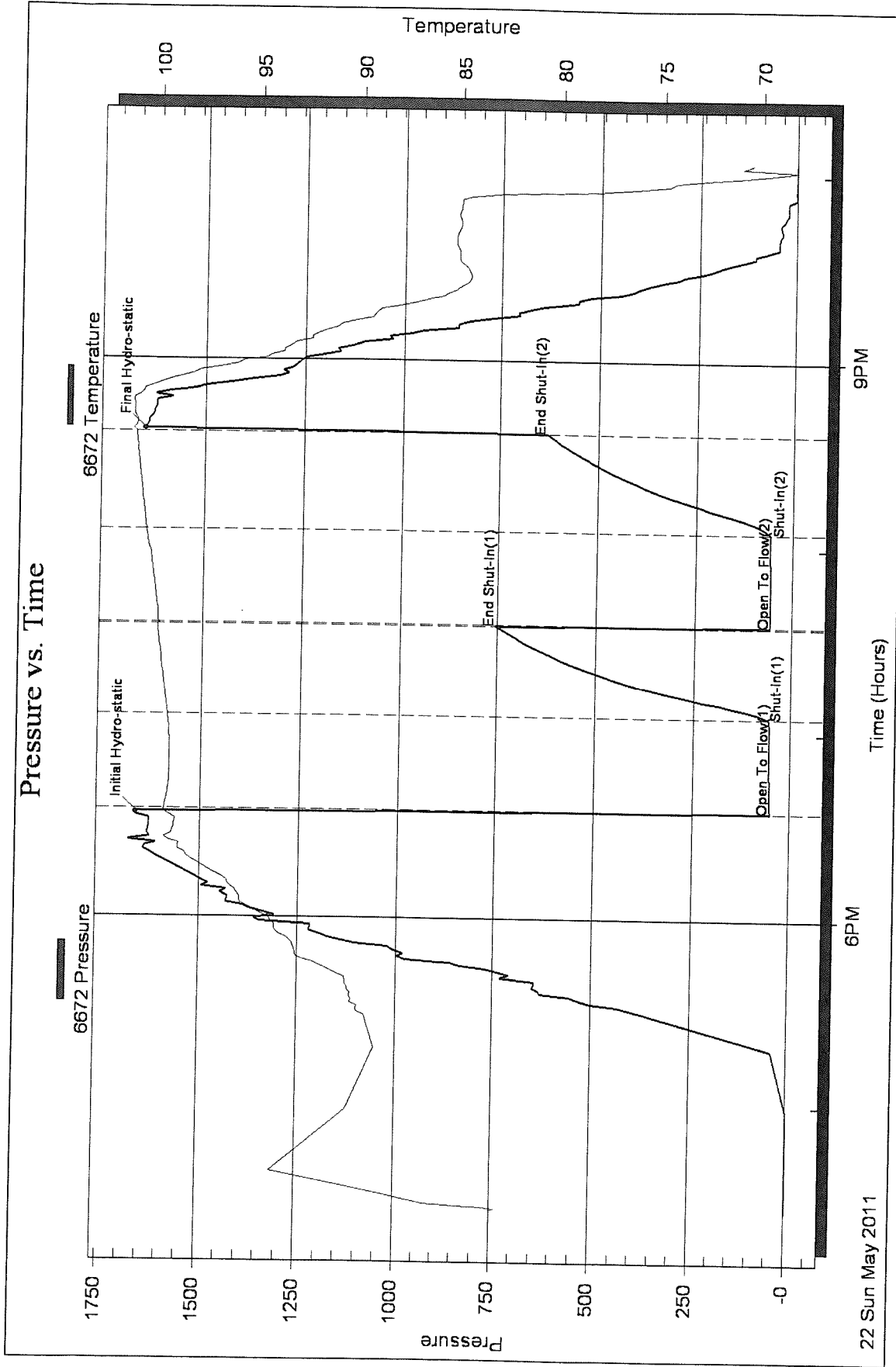
Serial #: 6672

Inside

Gore Oil Company

7-10s-17w Rooks, KS

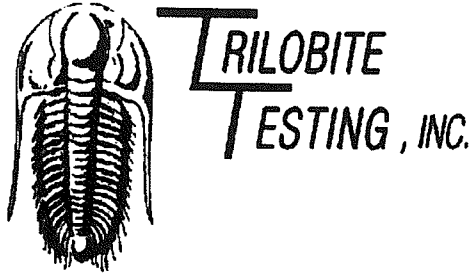
DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 43806

Printed: 2011.06.01 @ 09:58:31 Page 5



DRILL STEM TEST REPORT

Prepared For: **Gore Oil Company**

PO Box 2757
Wichita KS 67202-4518

ATTN: Larry M Jack

7-10s-17w Rooks,KS

Ross D #4

Start Date: 2011.05.23 @ 16:11:38

End Date: 2011.05.23 @ 22:17:38

Job Ticket #: 42807 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Gore Oil Company

Ross D #4

7-10s-17w Rooks,KS

DST # 2

LKC-L-L

2011.05.23



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Gore Oil Company
PO Box 2757
Wichita KS 67202-4518
ATTN: Larry M Jack

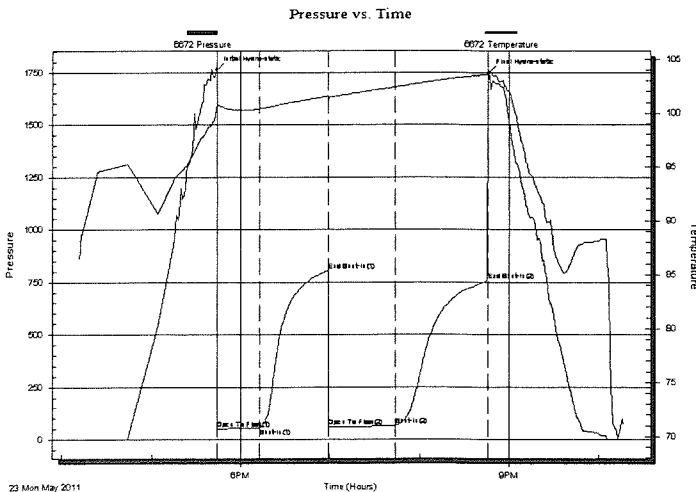
Ross D #4
7-10s-17w Rooks,KS
Job Ticket: 42807 **DST#: 2**
Test Start: 2011.05.23 @ 16:11:38

GENERAL INFORMATION:

Formation: **LKC-I-L**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:44:08
Time Test Ended: 22:17:38
Test Type: Conventional Bottom Hole
Tester: Jeff Brown
Unit No: 44
Interval: **3508.00 ft (KB) To 3590.00 ft (KB) (TVD)**
Reference Elevations: 2146.00 ft (KB)
Total Depth: 3590.00 ft (KB) (TVD) 2138.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 8.00 ft

Serial #: 6672 **Inside**
Press@RunDepth: 64.43 psig @ 3577.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.05.23 End Date: 2011.05.23 Last Calib.: 2011.05.23
Start Time: 16:11:39 End Time: 22:17:38 Time On Btrm: 2011.05.23 @ 17:43:38
Time Off Btrm: 2011.05.23 @ 20:46:38

TEST COMMENT: IFP-Weak blow built to 2 1/4 in
ISI-Dead no blow back
FFP-Weak blow built to 3/4 in
FSI-Dead no blow back



PRESSURE SUMMARY

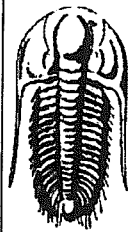
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1762.39	100.68	Initial Hydro-static
1	49.76	100.58	Open To Flow (1)
30	56.71	100.36	Shut-In(1)
76	805.48	101.54	End Shut-In(1)
76	60.29	101.18	Open To Flow (2)
121	64.43	102.39	Shut-In(2)
182	756.80	103.59	End Shut-In(2)
183	1748.49	103.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
38.00	Mud with a scum of oil	0.53
10.00	VSOCM 2% O 98% M	0.14

Gas Rates

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



**TRILOBITE
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Gore Oil Company
 PO Box 2757
 Wichita KS 67202-4518
 ATTN: Larry M Jack

Ross D #4
7-10s-17w Rooks,KS
 Job Ticket: 42807 **DST#: 2**
 Test Start: 2011.05.23 @ 16:11:38

Tool Information

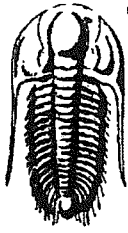
Drill Pipe:	Length: 3494.00 ft	Diameter: 3.80 inches	Volume: 49.01 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 2000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 68000.00 lb
			<u>Total Volume: 49.01 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 51000.00 lb
Depth to Top Packer:	3508.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	82.00 ft			
Tool Length:	105.00 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			3486.00	
Shut In Tool	5.00			3491.00	
Hydraulic tool	5.00			3496.00	
Safety Joint	3.00			3499.00	
Packer	4.00			3503.00	23.00 Bottom Of Top Packer
Packer	5.00			3508.00	
Stubb	1.00			3509.00	
Perforations	4.00			3513.00	
Change Over Sub	1.00			3514.00	
Drill Pipe	62.00			3576.00	
Change Over Sub	1.00			3577.00	
Recorder	0.00	6672	Inside	3577.00	
Recorder	0.00	8321	Outside	3577.00	
Perforations	10.00			3587.00	
Bullnose	3.00			3590.00	82.00 Bottom Packers & Anchor

Total Tool Length: 105.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Gore Oil Company
PO Box 2757
Wichita KS 67202-4518
ATTN: Larry M Jack

Ross D #4
7-10s-17w Rooks, KS
Job Ticket: 42807 **DST#: 2**
Test Start: 2011.05.23 @ 16:11:38

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: 6.39 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3300.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
38.00	Mud with a scum of oil	0.533
10.00	VSOCM 2%O98%M	0.140

Total Length: 48.00 ft Total Volume: 0.673 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

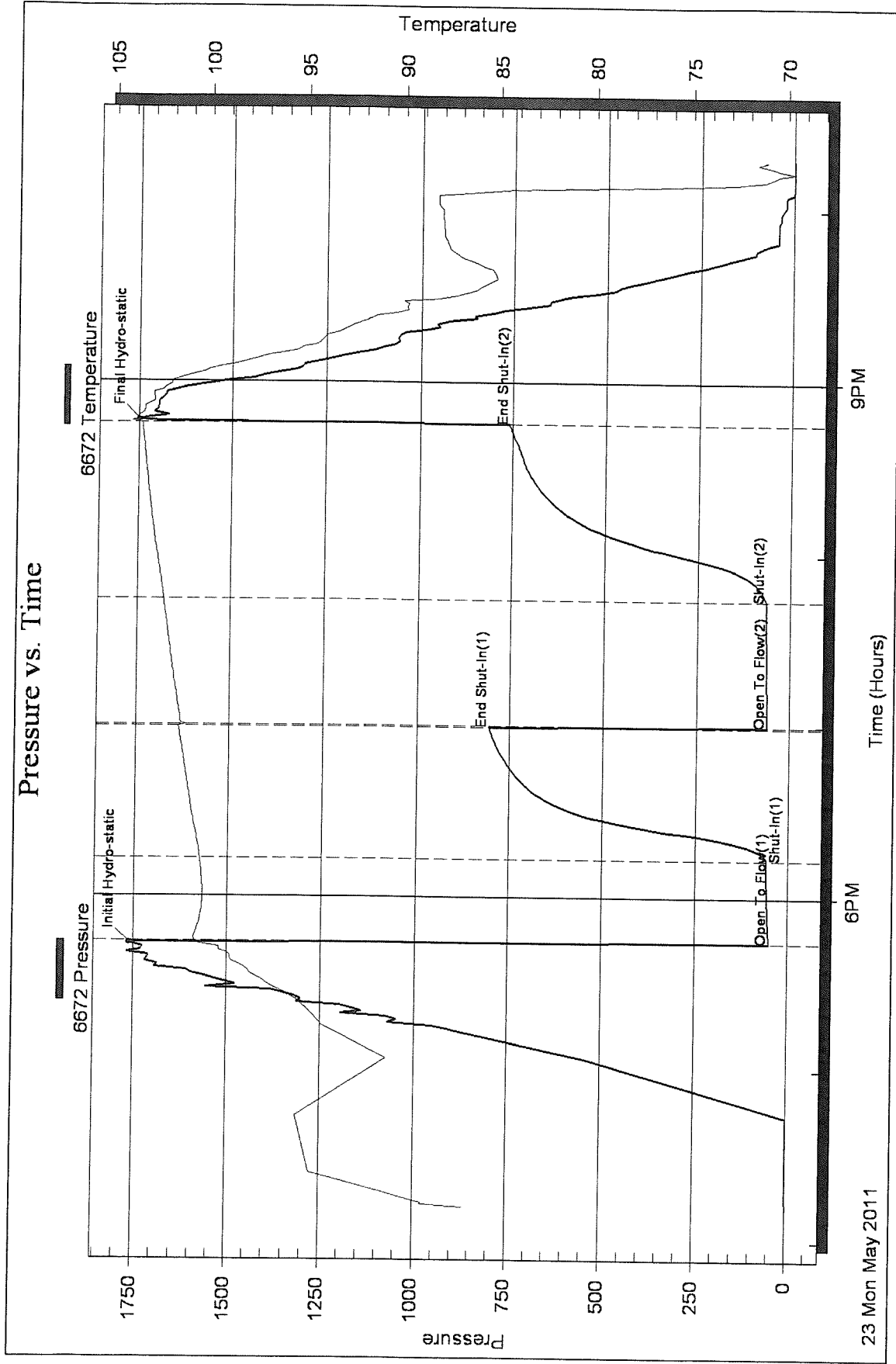
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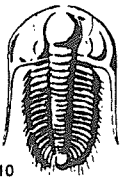
Inside

Gore Oil Company

7-10s-17w Rooks, KS

DST Test Number: 2





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
MAY 26 2011

Test Ticket

NO. 43806

Well Name & No. ROSS D #4 BY: _____ Test No. 1 Date 5-22-11
 Company Gore Oil Company Elevation 2146 KB 2138 GL _____
 Address PO Box 2757 Wichita KS 67202 4518
 Co. Rep / Geo. BOB Stolzie Rig Maverick 108
 Location: Sec. 7 Twp. 10 S Rge. 17 W Co. ROOKS State KS

Interval Tested 3367-3454 Zone Tested Lansing B-F zones
 Anchor Length 87 Drill Pipe Run 3368 Mud Wt. 9.0
 Top Packer Depth 3362 Drill Collars Run 0 Vis 60
 Bottom Packer Depth 3367 Wt. Pipe Run 0 WL 4.4
 Total Depth 3454 Chlorides 3900 ppm System LCM 2
 Blow Description FF - weak Blow Built to 3/4 IN
FF - Dead No Blow Back
FF - Dead No Blow
FF - Dead No Blow Back

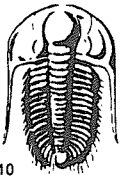
Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>MUD</u>				

Rec Total 15 BHT 101 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1663</u>	<input checked="" type="checkbox"/> Test <u>1125</u>	T-On Location <u>H-16 16.11</u>
(B) First Initial Flow <u>50</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>16:26</u>
(C) First Final Flow <u>59</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>18:35</u>
(D) Initial Shut-In <u>753</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>20:35</u>
(E) Second Initial Flow <u>54</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>22:04</u>
(F) Second Final Flow <u>57</u>	<input checked="" type="checkbox"/> Mileage <u>52 RT 72.80</u>	Comments _____
(G) Final Shut-In <u>629</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1651</u>	<input type="checkbox"/> Straddle _____	
	<input type="checkbox"/> Shale Packer _____	
	<input type="checkbox"/> Extra Packer _____	
	<input type="checkbox"/> Extra Recorder _____	
	<input type="checkbox"/> Day Standby _____	
	<input type="checkbox"/> Accessibility _____	
Initial Open <u>30</u>		
Initial Shut-In <u>30</u>		
Final Flow <u>30</u>		
Final Shut-In <u>30</u>		
Sub Total <u>1522.80</u>		

Approved By _____ Our Representative Jeff Brown

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
MAY 26 2011
BY: _____

Test Ticket

NO. 43807

4/10

Well Name & No. Ross D #4 Test No. 2 Date 5-23-11
 Company Gore Oil Company Elevation 2146 KB 2138 GL
 Address PO Box 2757 Wichita KS 67202-4518
 Co. Rep / Geo. Bob Stolze Rig Maverick 108
 Location: Sec. 7 Twp. 10S Rge. 17W Co. Rooks State KS

Interval Tested 3508 - 3590 Zone Tested LKC-I-J-K-L zones
 Anchor Length 82 Drill Pipe Run 3494 Mud Wt. 9.0
 Top Packer Depth 3503 Drill Collars Run 0 Vis 56
 Bottom Packer Depth 3508 Wt. Pipe Run 0 WL 6.4
 Total Depth 3590 Chlorides 3300 ppm System LCM 2
 Blow Description FF-Weak Blow Built to 2 1/4 IN
ISI-Dead No Blow Back
FF-Weak Blow Built to 3/4 IN
FSI-Dead No Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>38</u>	<u>USOC m</u>		<u>2</u>		<u>98</u>
<u>38</u>	<u>mud with a scum of oil</u>				<u>100</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 48 BHT 104 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1762 Test 1125 T-On Location 15:44
 (B) First Initial Flow 50 Jars _____ T-Started 16:11
 (C) First Final Flow 57 Safety Joint 75 T-Open 17:44
 (D) Initial Shut-In 805 Circ Sub _____ T-Pulled 20:44
 (E) Second Initial Flow 60 Hourly Standby _____ T-Out 22:17
 (F) Second Final Flow 64 Mileage 52RT 72.80 Comments _____
 (G) Final Shut-In 757 Sampler _____
 (H) Final Hydrostatic 1748 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1272.80
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1272.80

Initial Open 30
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 40

Approved By _____ Our Representative Jeff Brown

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