

DRILL STEM TEST REPORT

Prepared For: **Gore Oil Company**

PO Box 2725
Wichita, KS 67202

ATTN: Al Downing

Carmichael #1

22-9s-18w Rooks,KS

Start Date: 2013.05.01 @ 14:35:59

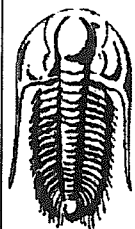
End Date: 2013.05.01 @ 22:25:38

Job Ticket #: 51607 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.05.13 @ 13:25:47

Gore Oil Company
22-9s-18w Rooks,KS
Carmichael #1
DST # 1
Lansing "E-F-G"
2013.05.01



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Gore Oil Company

22-9s-18w Rooks, KS

PO Box 2725
Wichita, KS 67202

Carmichael #1

Job Ticket: 51607

DST#: 1

ATTN: Al Downing

Test Start: 2013.05.01 @ 14:35:59

GENERAL INFORMATION:

Formation: **Lansing "E-F-G"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:14:09

Time Test Ended: 22:25:38

Test Type: Conventional Bottom Hole (Initial)

Tester: Daniel Fertig

Unit No: 68

Interval: **3414.00 ft (KB) To 3456.00 ft (KB) (TVD)**

Total Depth: 3456.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2173.00 ft (KB)

2165.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8844 Inside

Press@RunDepth: 200.14 psig @ 3416.00 ft (KB)

Start Date: 2013.05.01

End Date: 2013.05.01

Start Time: 14:36:04

End Time: 22:25:39

Capacity: 8000.00 psig

Last Calib.: 2013.05.01

Time On Btm: 2013.05.01 @ 17:13:59

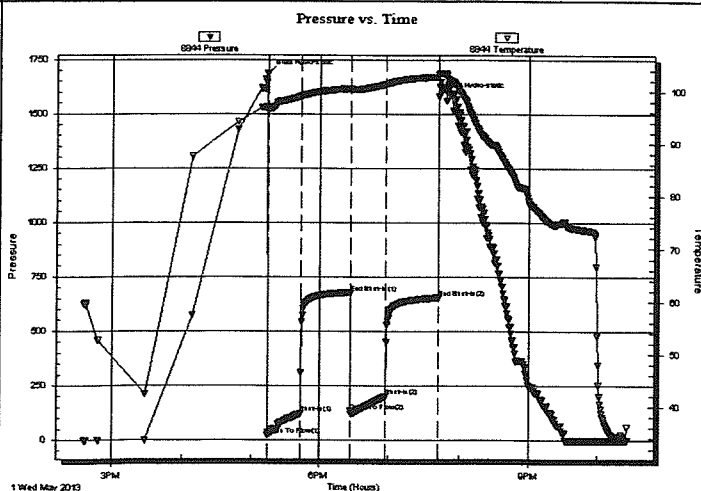
Time Off Btm: 2013.05.01 @ 19:42:19

TEST COMMENT: IFP- 30- Strong Blow , BOB 10 minutes.

ISL- 45- Weak blow . 1" build.

FFP- 30- Strong Blow , BOB 9 minutes.

FSL- 45- Weak Blow , 1/2" build.



PRESSURE SUMMARY

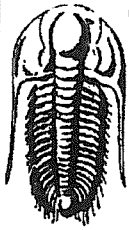
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1687.12	97.05	Initial Hydro-static
1	22.90	96.14	Open To Flow (1)
30	121.27	98.97	Shut-In(1)
73	673.39	100.47	End Shut-In(1)
73	133.70	100.17	Open To Flow (2)
104	200.14	101.26	Shut-In(2)
149	651.11	102.71	End Shut-In(2)
149	1580.19	103.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
170.00	GMCWO 20%G 60%O 10%W 10%M	2.38
320.00	Free Oil	4.49
40.00	SOMCW 5%O 75%W 20%M	0.56
0.00	120 GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Gore Oil Company

22-9s-18w Rooks,KS

PO Box 2725
Wichita, KS 67202

Carmichael #1

Job Ticket: 51607

DST#: 1

ATTN: Al Downing

Test Start: 2013.05.01 @ 14:35:59

Tool Information

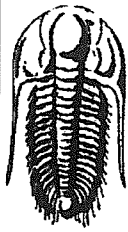
Drill Pipe:	Length: 3407.00 ft	Diameter: 3.80 inches	Volume: 47.79 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 47.79 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 43000.00 lb
Depth to Top Packer:	3414.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	42.00 ft			
Tool Length:	62.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3399.00	
Hydraulic tool	5.00			3404.00	
Packer	5.00			3409.00	20.00 Bottom Of Top Packer
Packer	5.00			3414.00	
Perforations	1.00			3415.00	
Change Over Sub	1.00			3416.00	
Recorder	0.00	8844	Inside	3416.00	
Recorder	0.00	8372	Outside	3416.00	
Drill Pipe	31.00			3447.00	
Change Over Sub	1.00			3448.00	
Perforations	5.00			3453.00	
Bullnose	3.00			3456.00	42.00 Bottom Packers & Anchor

Total Tool Length: 62.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Gore Oil Company

22-9s-18w Rooks,KS

PO Box 2725
Wichita, KS 67202

Carmichael #1

Job Ticket: 51607

DST#: 1

ATTN: Al Downing

Test Start: 2013.05.01 @ 14:35:59

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

30000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.38 in³

Gas Cushion Type:

Resistivity: 0.48 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: 5.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
170.00	GMCWO 20%G 60%O 10%W 10%M	2.385
320.00	Free Oil	4.489
40.00	SOMCW 5%O 75%W 20%M	0.561
0.00	120 GIP	0.000

Total Length: 530.00 ft

Total Volume: 7.435 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

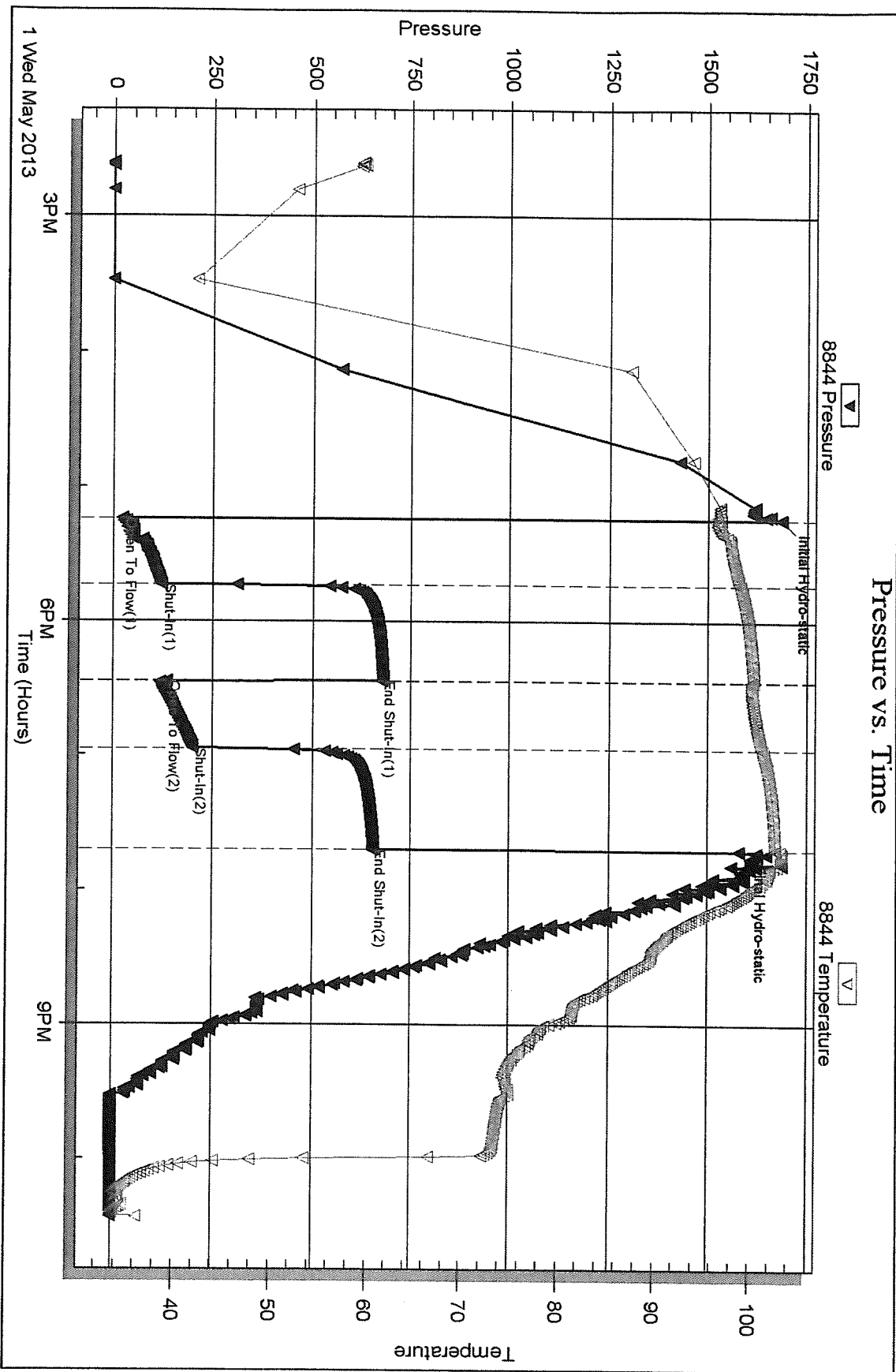
Serial #: 8844

Inside

Gore Oil Company

Carrichael #1

DST Test Number: 1



Tribolite Testing, Inc

Ref. No: 51607

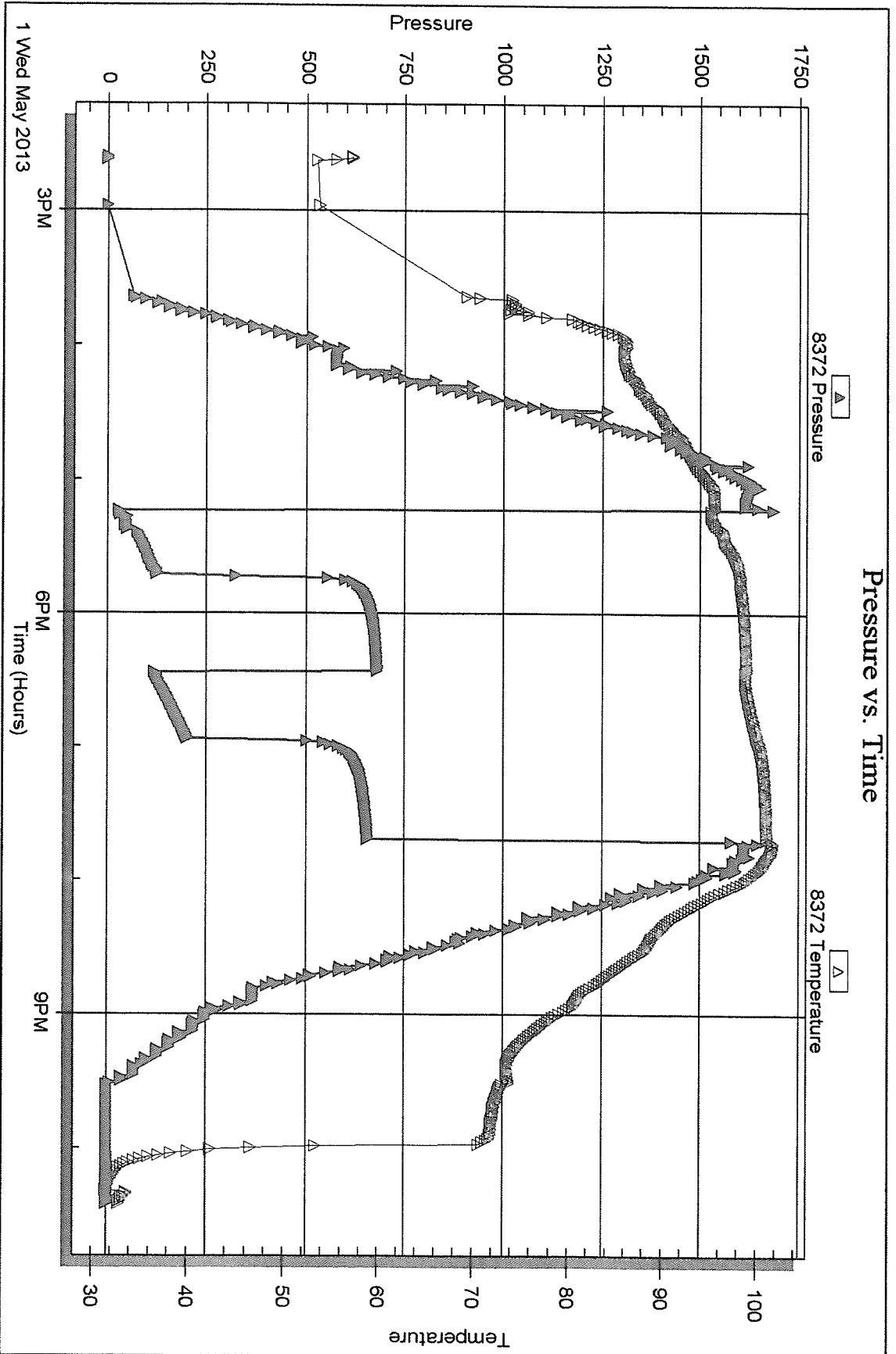
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Serial #: 8372

Outside Gore Oil Company

Carrichael #1

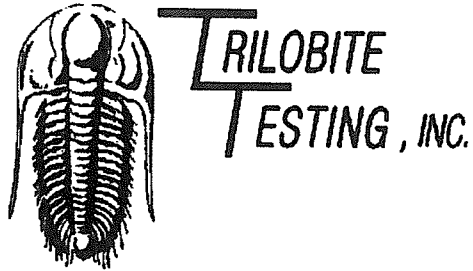
DST Test Number: 1



Triobite Testing, Inc

Ref. No: 51607

Printed: 2013.05.13 @ 13:25:50



DRILL STEM TEST REPORT

Prepared For: **Gore Oil Company**

PO Box 2725
Wichita, KS 67202

ATTN: Al Downing

Carmichael #1

22-9s-18w Rooks,KS

Start Date: 2013.05.02 @ 08:40:41

End Date: 2013.05.02 @ 15:05:01

Job Ticket #: 51608 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.05.13 @ 13:25:00

Gore Oil Company

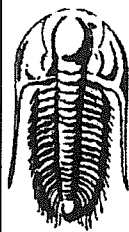
22-9s-18w Rooks,KS

Carmichael #1

DST # 2

Lansing "H-I-J"

2013.05.02



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Gore Oil Company

22-9s-18w Rooks,KS

PO Box 2725
Wichita, KS 67202

Carmichael #1

Job Ticket: 51608

DST#: 2

ATTN: AI Dow ning

Test Start: 2013.05.02 @ 08:40:41

GENERAL INFORMATION:

Formation: **Lansing "H-I-J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:23:01

Time Test Ended: 15:05:01

Test Type: Conventional Bottom Hole (Reset)

Tester: Daniel Fertig

Unit No: 68

Interval: **3464.00 ft (KB) To 3536.00 ft (KB) (TVD)**

Reference Elevations: 2173.00 ft (KB)

Total Depth: 3536.00 ft (KB) (TVD)

2165.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8372 Outside

Press@RunDepth: 68.26 psig @ 3470.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.05.02

End Date:

2013.05.02

Last Calib.: 2013.05.02

Start Time: 08:40:46

End Time:

15:05:01

Time On Btm: 2013.05.02 @ 10:22:51

Time Off Btm: 2013.05.02 @ 13:23:20

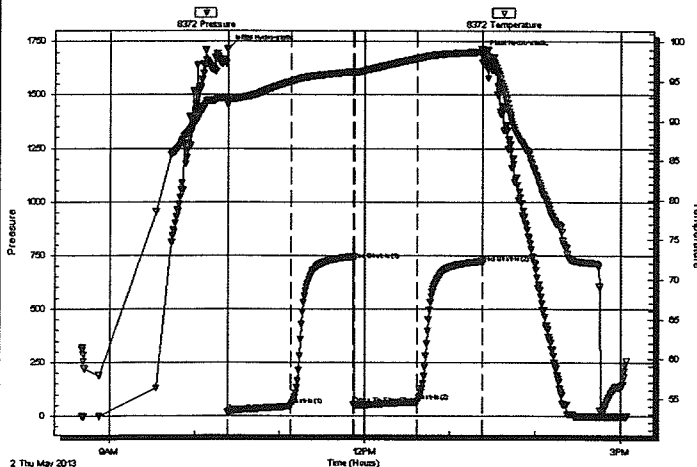
TEST COMMENT: IFP-45- Weak blow . Built to 8 1/2".

ISI-45- No blow .

FFP-45- Weak blow . Built to 2 1/2"

FSI-45- No blow .

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1716.58	92.97	Initial Hydro-static
1	16.76	91.97	Open To Flow (1)
46	48.41	94.95	Shut-In(1)
90	728.96	96.17	End Shut-In(1)
90	53.39	95.86	Open To Flow (2)
135	68.26	97.84	Shut-In(2)
181	714.46	98.71	End Shut-In(2)
181	1691.24	98.98	Final Hydro-static

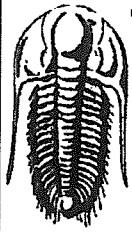
Recovery

Length (ft)	Description	Volume (bbl)
85.00	SOCM 5%O 95%M	1.19
25.00	Free Oil	0.35
0.00	120 GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Gore Oil Company

22-9s-18w Rooks,KS

PO Box 2725
Wichita, KS 67202

Carmichael #1

Job Ticket: 51608

DST#: 2

ATTN: Al Downing

Test Start: 2013.05.02 @ 08:40:41

Tool Information

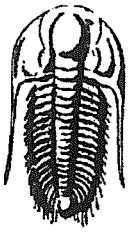
Drill Pipe:	Length: 3469.00 ft	Diameter: 3.80 inches	Volume: 48.66 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 48.66 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 43000.00 lb
Depth to Top Packer:	3464.00 ft			Final 43000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	72.00 ft			
Tool Length:	92.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3449.00	
Hydraulic tool	5.00			3454.00	
Packer	5.00			3459.00	20.00 Bottom Of Top Packer
Packer	5.00			3464.00	
Perforations	5.00			3469.00	
Change Over Sub	1.00			3470.00	
Recorder	0.00	8844	Inside	3470.00	
Recorder	0.00	8372	Outside	3470.00	
Drill Pipe	62.00			3532.00	
Change Over Sub	1.00			3533.00	
Bullnose	3.00			3536.00	72.00 Bottom Packers & Anchor

Total Tool Length: 92.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Gore Oil Company

22-9s-18w Rooks,KS

PO Box 2725
Wichita, KS 67202

Carmichael #1

Job Ticket: 51608

DST#: 2

ATTN: Al Downing

Test Start: 2013.05.02 @ 08:40:41

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: 51.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: 5.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
85.00	SOCM 5%O 95%M	1.192
25.00	Free Oil	0.351
0.00	120 GIP	0.000

Total Length: 110.00 ft

Total Volume: 1.543 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

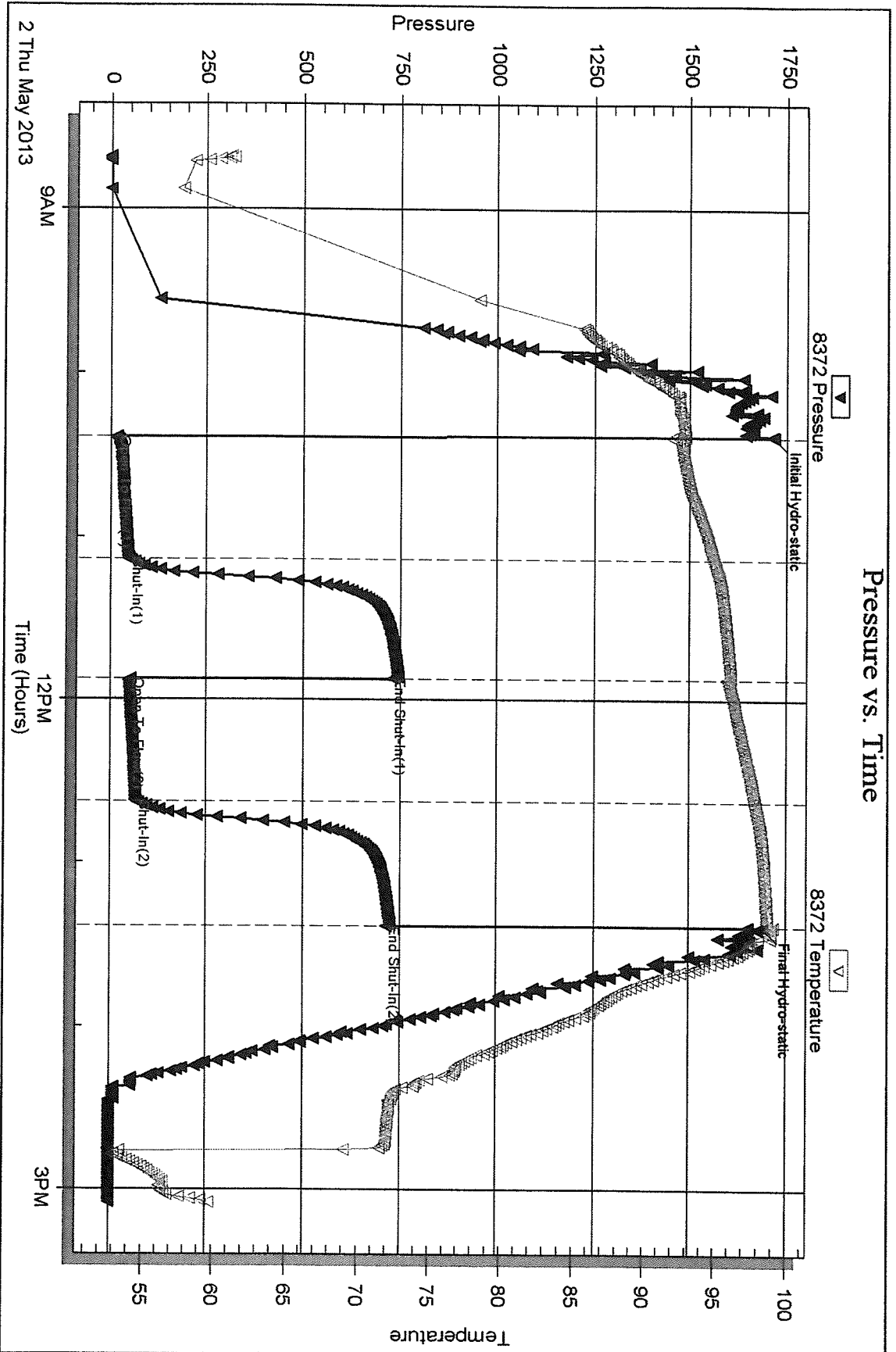
Recovery Comments:

Serial #: 8372

Outside Gore Oil Company

Carmichael #1

DST Test Number: 2



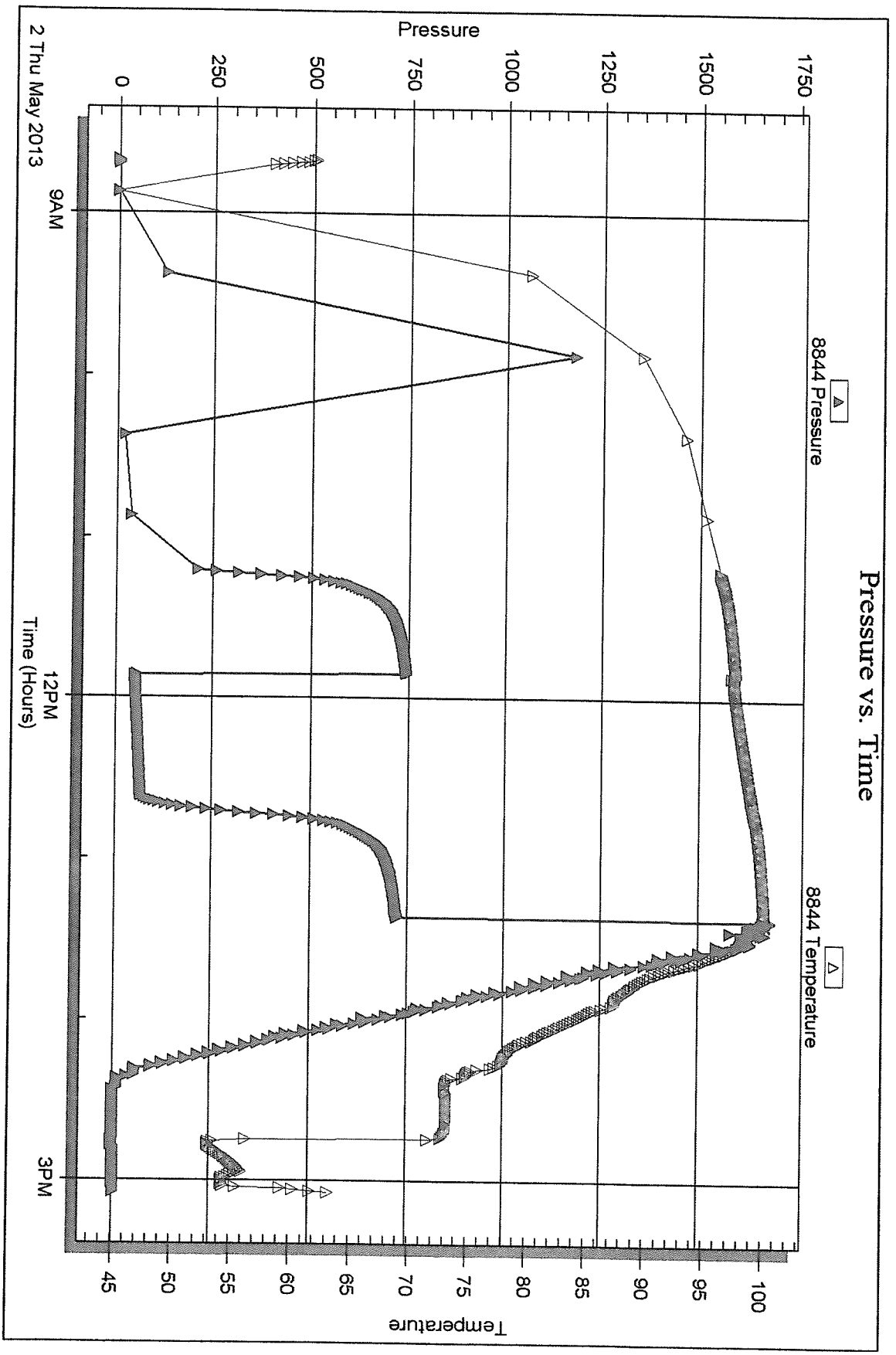
Serial #: 8844

Inside

Gore Oil Company

Carmichael #1

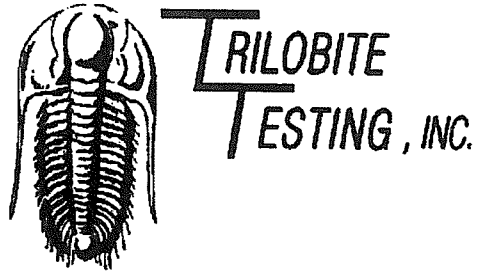
DST Test Number: 2



Tribolite Testing, Inc

Ref. No: 51608

Printed: 2013.05.13 @ 13:25:03



DRILL STEM TEST REPORT

Prepared For: **Gore Oil Company**

PO Box 2725
Wichita, KS 67202

ATTN: Al Downing

Carmichael #1

22-9s-18w Rooks,KS

Start Date: 2013.05.03 @ 00:45:04

End Date: 2013.05.03 @ 08:45:54

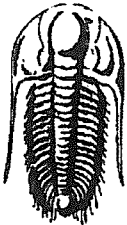
Job Ticket #: 51609 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Gore Oil Company
22-9s-18w Rooks,KS
Carmichael #1
DST # 3
Arbuckle
2013.05.03



**TRIBOLITE
TESTING, INC.**

DRILL STEM TEST REPORT

Gore Oil Company

22-9s-18w Rooks,KS

PO Box 2725
Wichita, KS 67202

Carmichael #1

Job Ticket: 51609

DST#: 3

ATTN: Al Downing

Test Start: 2013.05.03 @ 00:45:04

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:14:34

Time Test Ended: 08:45:54

Test Type: Conventional Bottom Hole (Reset)

Tester: Daniel Fertig

Unit No: 68

Interval: **3566.00 ft (KB) To 3606.00 ft (KB) (TVD)**

Total Depth: 3456.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2173.00 ft (KB)

2165.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8372 Outside

Press@RunDepth: 123.68 psig @ 3571.00 ft (KB)

Start Date: 2013.05.03

End Date: 2013.05.03

Capacity: 8000.00 psig

Last Calib.: 2013.05.03

Start Time: 00:45:09

End Time: 08:45:54

Time On Btm: 2013.05.03 @ 03:14:24

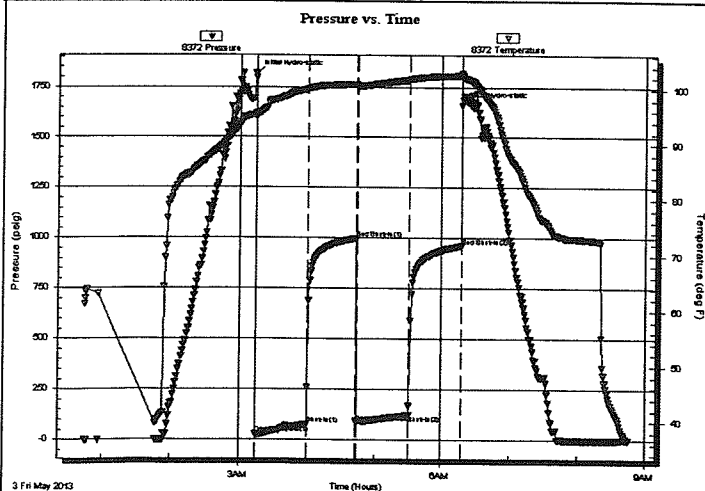
Time Off Btm: 2013.05.03 @ 06:17:34

TEST COMMENT: IFP-45- Good blow . 9" Build

ISI-45- No Blow

FFP-45- Weak blow . 3" Build

FSI-45- No Blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1812.89	95.70	Initial Hydro-static
1	27.17	94.99	Open To Flow (1)
46	76.06	99.94	Shut-In(1)
89	996.39	100.84	End Shut-In(1)
90	88.19	100.53	Open To Flow (2)
137	123.68	101.68	Shut-In(2)
183	961.51	102.48	End Shut-In(2)
184	1658.98	102.95	Final Hydro-static

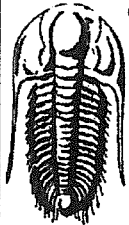
Recovery

Length (ft)	Description	Volume (bbl)
64.00	SOCM 5%O 95%M	0.90
64.00	HOCM 40%O 60%M	0.90
150.00	MO 85%O 15%M	2.10

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Gore Oil Company

22-9s-18w Rooks,KS

PO Box 2725
Wichita, KS 67202

Carmichael #1

ATTN: Al Downing

Job Ticket: 51609

DST#: 3

Test Start: 2013.05.03 @ 00:45:04

Tool Information

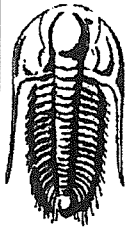
Drill Pipe:	Length: 3560.00 ft	Diameter: 3.80 inches	Volume: 49.94 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
		<u>Total Volume:</u>	<u>49.94 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3566.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	60.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3551.00	
Hydraulic tool	5.00			3556.00	
Packer	5.00			3561.00	20.00 Bottom Of Top Packer
Packer	5.00			3566.00	
Perforations	4.00			3570.00	
Change Over Sub	1.00			3571.00	
Recorder	0.00	8844	Inside	3571.00	
Recorder	0.00	8372	Outside	3571.00	
Drill Pipe	31.00			3602.00	
Change Over Sub	1.00			3603.00	
Bullnose	3.00			3606.00	40.00 Bottom Packers & Anchor

Total Tool Length: 60.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Gore Oil Company

22-9s-18w Rooks,KS

PO Box 2725
Wichita, KS 67202

Carmichael #1

Job Ticket: 51609

DST#: 3

ATTN: Al Dow ning

Test Start: 2013.05.03 @ 00:45:04

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 54.00 sec/qt

Water Loss: 7.19 in³

Resistivity: ohm.m

Salinity: 2900.00 ppm

Filter Cake: 5.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
64.00	SOCM 5%O 95%M	0.898
64.00	HOCM 40%O 60%M	0.898
150.00	MO 85%O 15%M	2.104

Total Length: 278.00 ft

Total Volume: 3.900 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

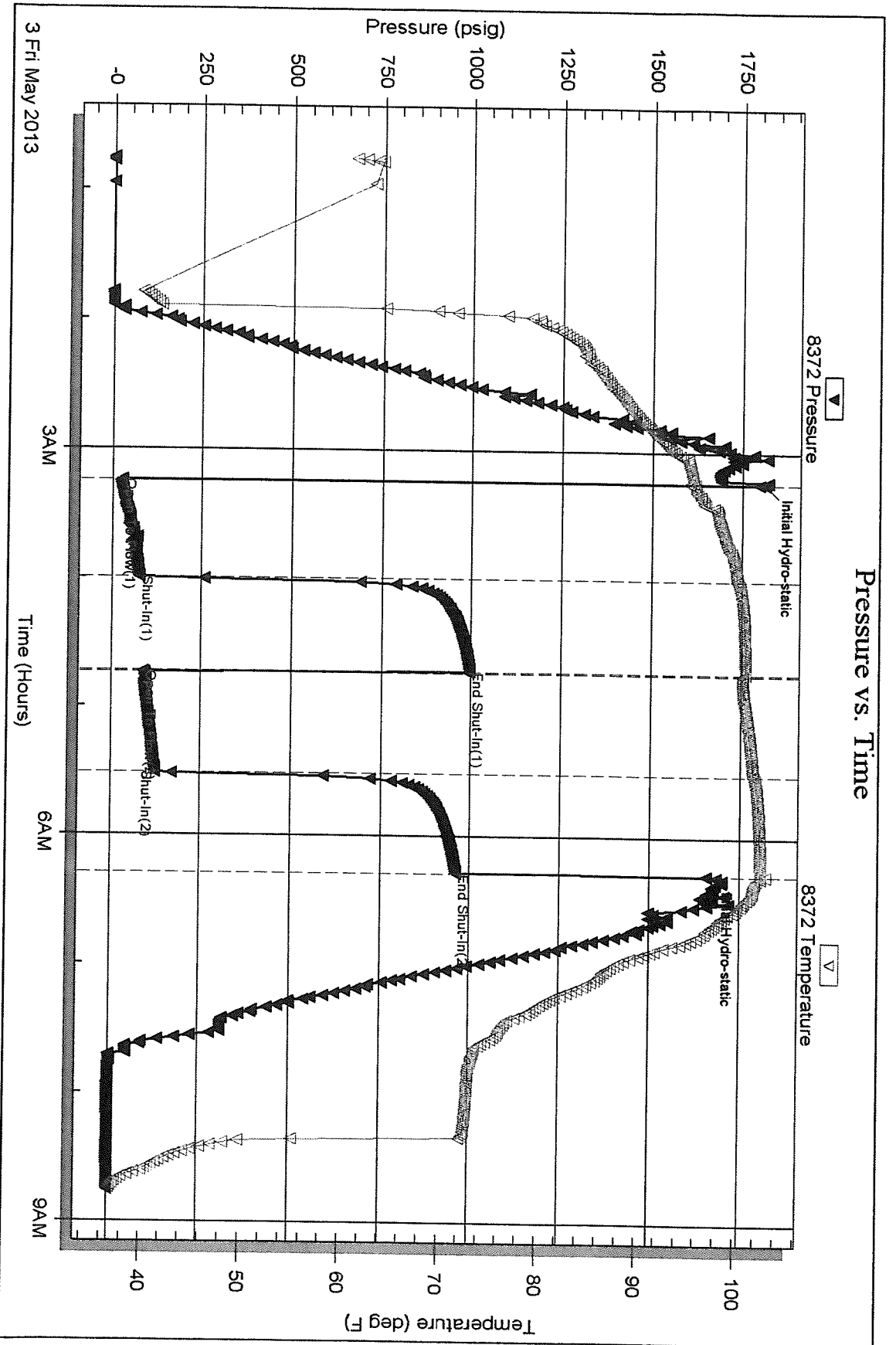
Serial #: 8372

Outside

Gore Oil Company

Carrichael #1

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 51609

Printed: 2013.05.13 @ 13:24:16

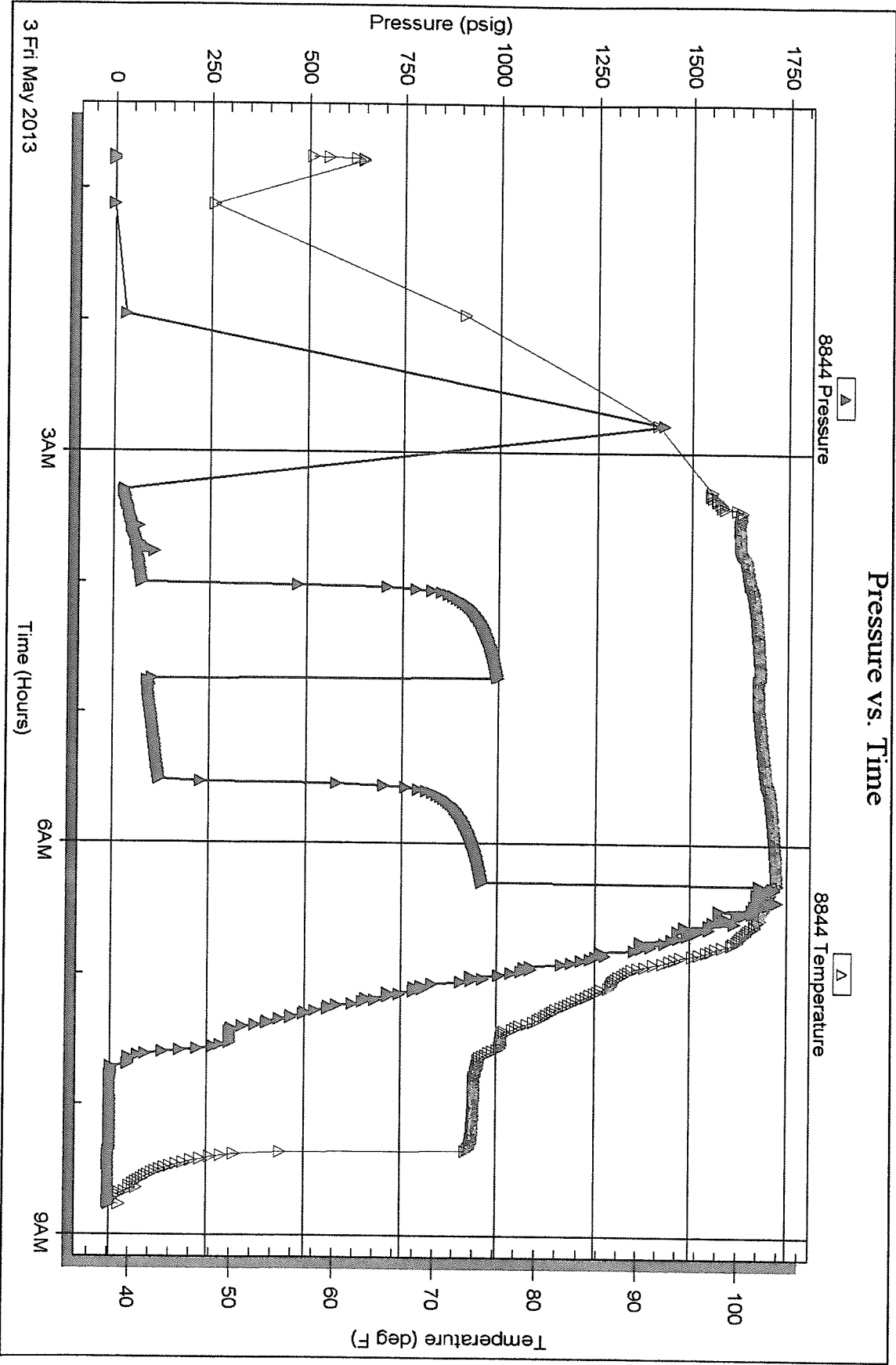
Serial #: 8844

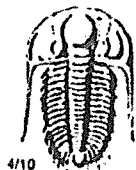
Inside

Gore Oil Company

Carrichael #1

DST Test Number: 3





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51607

Well Name & No. Carmichael #1 Test No. 1 Date 5-1-13
 Company Gore Oil Company Elevation 2173 KB 2165 GL
 Address PO Box 2757 Wichita, KS, 67202
 Co. Rep / Geo. Mark Downing Rig Maverick 108
 Location: Sec. 22 Twp. 9s Rge. 18w Co. Rooks State Ks

Interval Tested 3414 - 3456 Zone Tested Lancing E-F-G
 Anchor Length 42 Drill Pipe Run 3407 Mud Wt. 9.1
 Top Packer Depth 3414 Drill Collars Run - Vis 51
 Bottom Packer Depth 3419 Wt. Pipe Run - WL 7.4
 Total Depth 3456 Chlorides 2800 ppm System LCM 5

Blow Description 30-IFP - Strong blow BOB 10 minutes.
45-ISI - Weak blow 1" build.
30-FFP - Strong blow BOB 9 minutes
45-FSI - Weak blow 1/2" build

Rec	Feet of	%gas	%oil	%water	%mud
<u>170</u>	<u>GMCWO</u>	<u>20</u>	<u>60</u>	<u>10</u>	<u>10</u>
<u>320</u>	<u>Free Oil</u>		<u>100</u>		
<u>40</u>	<u>SOMCW</u>	<u>5</u>		<u>75</u>	<u>20</u>
	<u>120 G-IP</u>				

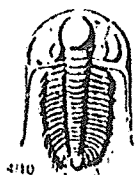
Rec Total 530 BHT Gravity 37 API RW 48 @ 32 °F Chlorides 30000 ppm

(A) Initial Hydrostatic 1687 Test 1150 T-On Location 1200
 (B) First Initial Flow 22 Jars T-Started 1435
 (C) First Final Flow 121 Safety Joint T-Open 1712
 (D) Initial Shut-In 673 Circ Sub T-Pulled 1945
 (E) Second Initial Flow 134 Hourly Standby T-Out 2225
 (F) Second Final Flow 200 Mileage 60rt 93 Comments _____
 (G) Final Shut-In 651 Sampler _____
 (H) Final Hydrostatic 1580 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1243

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

Sub Total 1243

Approved By _____ Our Representative Mark Downing
 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.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51608

Well Name & No. <u>Carmichael #1</u>	Test No. <u>2</u>	Date <u>5-2-13</u>
Company <u>Gore Oil Company</u>	Elevation <u>2173</u>	KB <u>2165</u> GL
Address <u>PO box 2757 Wichita, Ks</u>		
Co. Rep / Geo. <u>Al Downing</u>	Rig <u>Maverick 108</u>	
Location: Sec. <u>22</u> Twp. <u>9s</u> Rgo. <u>18w</u> Co. <u>Rooks</u> State <u>Ks</u>		

Interval Tested <u>3464 - 3536</u>	Zone Tested <u>Lancing "H-I-J"</u>
Anchor Length <u>72</u>	Drill Pipe Run <u>3469</u>
Top Packer Depth <u>3464</u>	Drill Collars Run <u>-</u>
Bottom Packer Depth <u>3469</u>	Wt. Pipe Run <u>-</u>
Total Depth <u>3536</u>	Chlorides <u>2900</u> ppm System LCM <u>5</u>
Blow Description <u>45 IFP - Weak blow 8 1/2" build.</u>	
<u>45 I91 - No blow</u>	
<u>45 FFP - Weak blow, 2 1/2" build.</u>	
<u>45 FSI - No blow</u>	

Rec	Feet of	%gas	%oil	%water	%mud
<u>85</u>	<u>SOCM</u>	<u>5</u>		<u>95</u>	
<u>25</u>	<u>Free Oil</u>	<u>100</u>			
	<u>120' GIP</u>				

Rec Total 110 BHT 48 Gravity 32 API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic <u>1716</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>0810</u>
(B) First Initial Flow <u>17</u>	<input type="checkbox"/> Jars	T-Started <u>0840</u>
(C) First Final Flow <u>48</u>	<input type="checkbox"/> Safety Joint	T-Open <u>1020</u>
(D) Initial Shut-In <u>729</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>1320</u>
(E) Second Initial Flow <u>53</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>1505</u>
(F) Second Final Flow <u>68</u>	<input checked="" type="checkbox"/> Mileage <u>93</u>	Comments
(G) Final Shut-In <u>714</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1691</u>	<input type="checkbox"/> Straddle	

Initial Open <u>45</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>45</u>	<input type="checkbox"/> Day Standby	Total <u>1243</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
Sub Total <u>1243</u>		

Approved By _____ Our Representative Al Downing
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TRIOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51609

Well Name & No. Carmichael #1 Test No. 3 Date 5-2-13
 Company Gore Oil Company Elevation 2173 KB 2165 GL
 Address PO Box 2757 Wichita, Ks, 67202
 Co. Rep / Geo. Mace Downing Rig Maverik 108
 Location: Sec. 22 Twp. 9s Rge. 18w Co. Rooks State Ks

Interval Tested 3566 - 3606 Zone Tested Arbuckle
 Anchor Length 40 Drill Pipe Run 3560 Mud Wt. 9.1
 Top Packer Depth 3566 Drill Collars Run - Vis 59
 Bottom Packer Depth 3571 Wt. Pipe Run - WL 7.2
 Total Depth 3606 Chlorides 2900 ppm System LCM 5

Blow Description 45 - IEP - Good blow, 9" build
45 - ISF - No blow,
45 - FFP - Weak blow, 3" build
45 - FSI - No blow,

Rec	Feet of	%gas	%oil	%water	%mud
<u>64</u>	<u>30CM</u>	<u>5</u>		<u>95</u>	
<u>64</u>	<u>40CM</u>	<u>40</u>		<u>60</u>	
<u>150</u>	<u>MO</u>	<u>85</u>		<u>15</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 278 BHT 10'3 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic 1813 Test 1150 T-On Location 0015
 (B) First Initial Flow 27 Jars - T-Started 0045
 (C) First Final Flow 76 Safety Joint - T-Open 0250
 (D) Initial Shut-In 996 Circ Sub - T-Pulled 0550
 (E) Second Initial Flow 88 Hourly Standby - T-Out 0845
 (F) Second Final Flow 123 Mileage 186 Comments -
 (G) Final Shut-In 961 Sampler - loaded tools 21:30 5/3
 (H) Final Hydrostatic 1659 Straddle -

Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Initial Open 45
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 45
 Day Standby
 Accessibility
 Sub Total 1336
 Sub Total 1336

Approved By _____ Our Representative David F. [Signature]

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