



## DRILL STEM TEST REPORT

Prepared For: **Gore Oil Company**

PO Box 2757  
Wichita KS 67202-4518

ATTN: Chuck Schmaltz

### **Simpson Trust #1**

#### **12 9s 18w Rooks,KS**

Start Date: 2014.04.27 @ 13:00:00

End Date: 2014.04.27 @ 21:09:00

Job Ticket #: 58851                      DST #: 1

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

Printed: 2014.05.02 @ 14:58:25



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Gore Oil Company  
 PO Box 2757  
 Wichita KS 67202-4518  
 ATTN: Chuck Schmalz

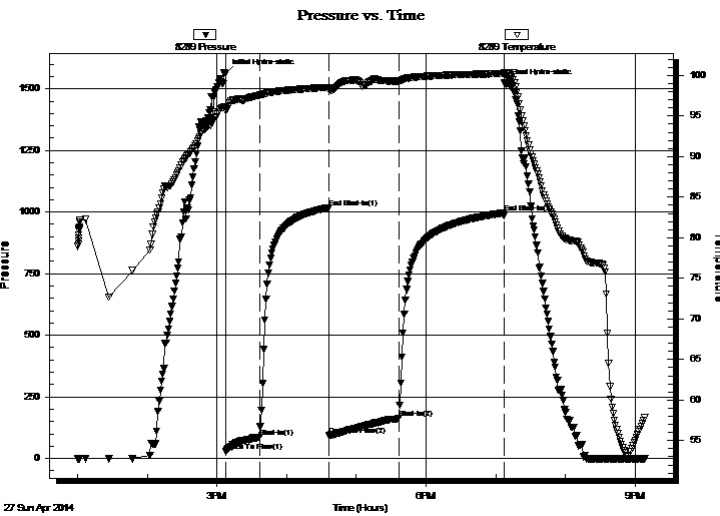
**12 9s 18w Rooks,KS**  
**Simpson Trust #1**  
 Job Ticket: 58851 **DST#: 1**  
 Test Start: 2014.04.27 @ 13:00:00

## GENERAL INFORMATION:

Formation: **Oread - LKC " C "**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 15:07:30  
 Time Test Ended: 21:09:00  
 Interval: **3159.00 ft (KB) To 3280.00 ft (KB) (TVD)**  
 Total Depth: 3280.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Jim Svaty  
 Unit No: 76  
 Reference Elevations: 2072.00 ft (KB)  
 2062.00 ft (CF)  
 KB to GR/CF: 10.00 ft

**Serial #: 8289 Outside**  
 Press@RunDepth: 162.46 psig @ 3160.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.04.27 End Date: 2014.04.27 Last Calib.: 2014.04.27  
 Start Time: 13:00:02 End Time: 21:09:00 Time On Btm: 2014.04.27 @ 15:07:15  
 Time Off Btm: 2014.04.27 @ 19:07:30

**TEST COMMENT:** 30-IFP- BOB in 10 min.  
 60-ISIP- Surface Blow in 1 min. Died in 12 min.  
 60-FFP- BOB in 8 min.  
 90-FSIP- Surface Blow Building to 4". in 18 min. Died Back in 25 min.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1560.44	96.17	Initial Hydro-static
1	29.26	95.59	Open To Flow (1)
30	87.07	97.55	Shut-In(1)
89	1018.05	98.53	End Shut-In(1)
90	94.85	98.28	Open To Flow (2)
150	162.46	99.31	Shut-In(2)
240	996.57	100.21	End Shut-In(2)
241	1522.84	100.34	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
63.00	OMCW 5%o 40%m 55%w	0.61
125.00	WOCM 15%w 25%o 60%m	1.75
125.00	MCO 20%m 80%o	1.75
50.00	CO 100%	0.70
0.00	320 GIP	0.00

## Gas Rates

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



# DRILL STEM TEST REPORT

Gore Oil Company  
 PO Box 2757  
 Wichita KS 67202-4518  
 ATTN: Chuck Schmalz

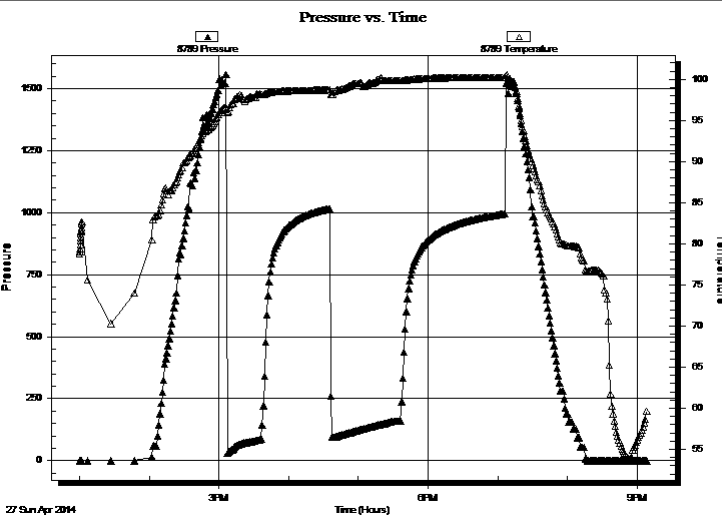
**12 9s 18w Rooks, KS**  
**Simpson Trust #1**  
 Job Ticket: 58851 **DST#: 1**  
 Test Start: 2014.04.27 @ 13:00:00

## GENERAL INFORMATION:

Formation: **Oread - LKC " C "**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 15:07:30 Tester: Jim Svaty  
 Time Test Ended: 21:09:00 Unit No: 76  
 Interval: **3159.00 ft (KB) To 3280.00 ft (KB) (TVD)**  
 Reference Elevations: 2072.00 ft (KB)  
 Total Depth: 3280.00 ft (KB) (TVD) 2062.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 10.00 ft

**Serial #: 8789 Inside**  
 Press@RunDepth: psig @ 3160.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.04.27 End Date: 2014.04.27 Last Calib.: 2014.04.27  
 Start Time: 13:00:02 End Time: 21:08:45 Time On Btm:  
 Time Off Btm:

TEST COMMENT: 30-IFP- BOB in 10 min.  
 60-ISIP- Surface Blow in 1 min. Died in 12 min.  
 60-FFP- BOB in 8 min.  
 90-FSIP- Surface Blow Building to 4". in 18 min. Died Back in 25 min.



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery		
Length (ft)	Description	Volume (bbl)
63.00	OMCW 5%o 40%m 55%w	0.61
125.00	WOCM 15%w 25%o 60%m	1.75
125.00	MCO 20%m 80%o	1.75
50.00	CO 100%	0.70
0.00	320 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

**12 9s 18w Rooks,KS**

PO Box 2757  
Wichita KS 67202-4518

**Simpson Trust #1**

Job Ticket: 58851

**DST#: 1**

ATTN: Chuck Schmaltz

Test Start: 2014.04.27 @ 13:00:00

## Tool Information

Drill Pipe:	Length: 3130.00 ft	Diameter: 3.80 inches	Volume: 43.91 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 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: 50000.00 lb
			<u>Total Volume: 44.06 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3159.00 ft			Final 43000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	121.00 ft			
Tool Length:	144.00 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			3137.00	
Shut In Tool	5.00			3142.00	
Hydraulic tool	5.00			3147.00	
Safety Joint	2.00			3149.00	
Packer	5.00			3154.00	23.00 Bottom Of Top Packer
Packer	5.00			3159.00	
Stubb	1.00			3160.00	
Recorder	0.00	8789	Inside	3160.00	
Recorder	0.00	8289	Outside	3160.00	
Perforations	22.00			3182.00	
Change Over Sub	1.00			3183.00	
Blank Spacing	93.00			3276.00	
Change Over Sub	1.00			3277.00	
Bullnose	3.00			3280.00	121.00 Bottom Packers & Anchor

**Total Tool Length: 144.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Gore Oil Company

**12 9s 18w Rooks,KS**

PO Box 2757  
Wichita KS 67202-4518

**Simpson Trust #1**

Job Ticket: 58851

**DST#: 1**

ATTN: Chuck Schmaltz

Test Start: 2014.04.27 @ 13:00:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

34 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

33000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.72 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: 1.50 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
63.00	OMCW 5%o 40%m 55%w	0.610
125.00	WOCM 15%w 25%o 60%m	1.753
125.00	MCO 20%m 80%o	1.753
50.00	CO 100%	0.701
0.00	320 GIP	0.000

Total Length: 363.00 ft

Total Volume: 4.817 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

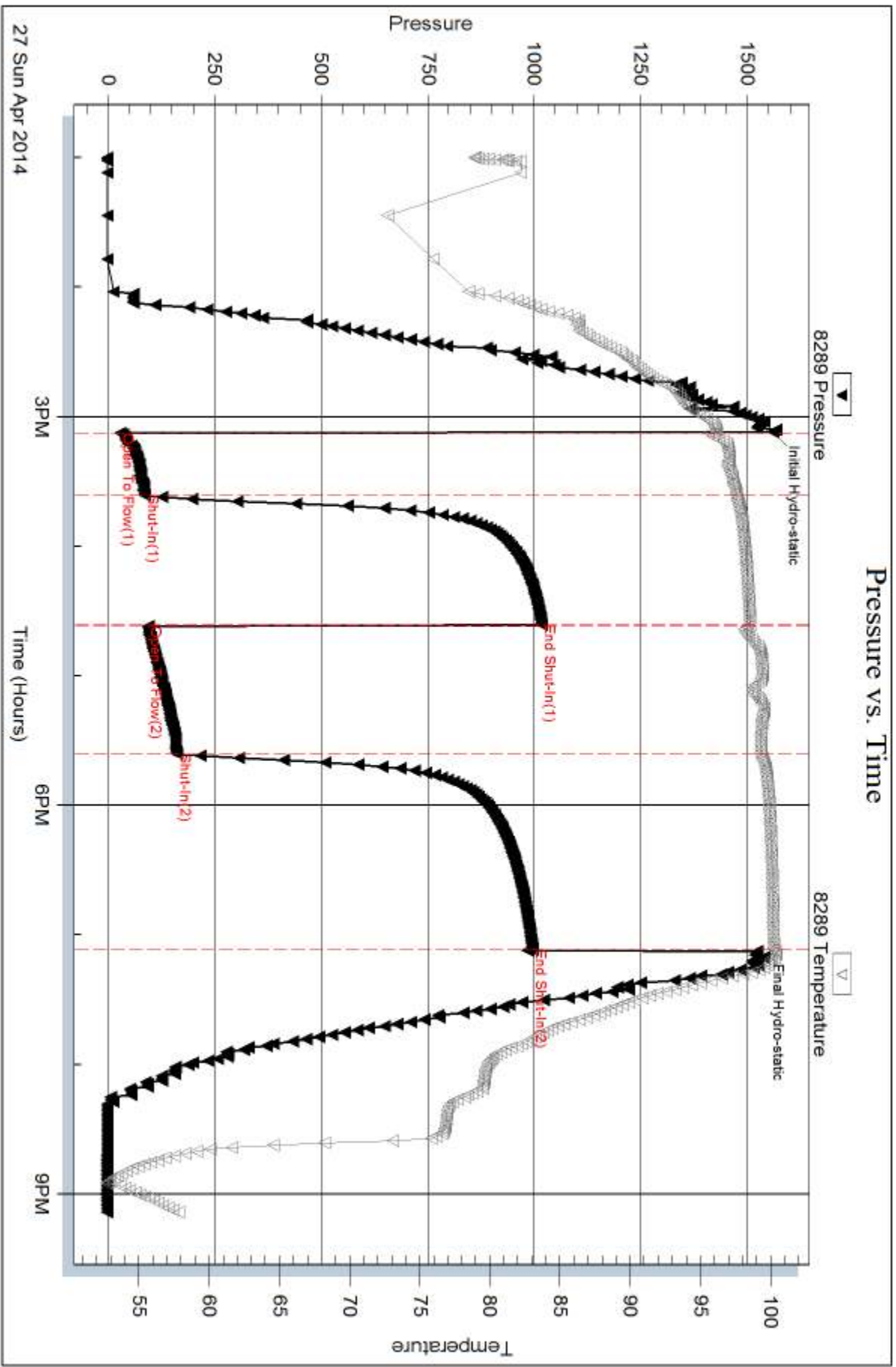
Recovery Comments: .245 @ 62

Serial #: 8289

Outside Gore Oil Company

Simpson Trust #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 58851

Printed: 2014.05.02 @ 14:58:26

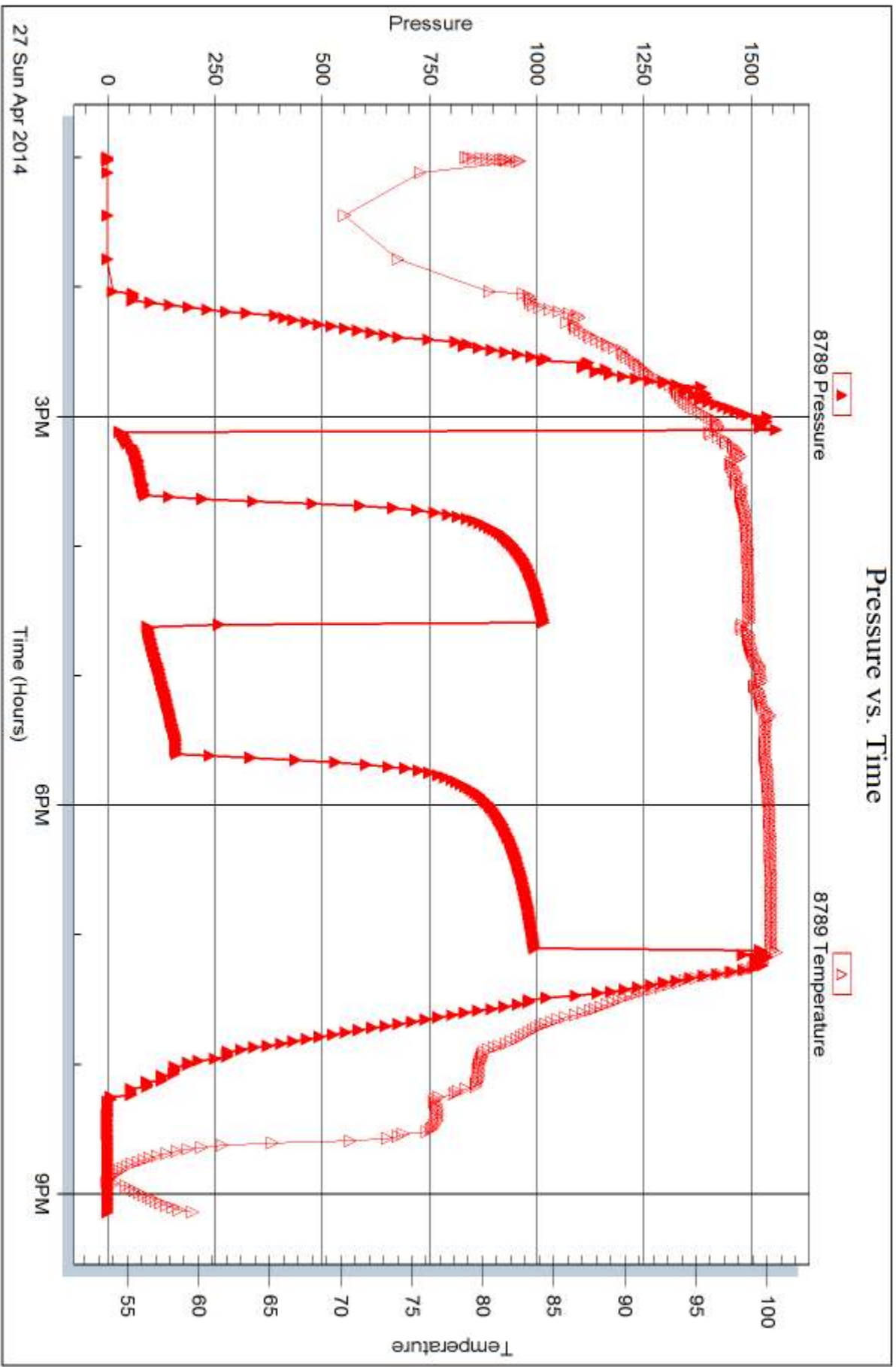
Serial #: 8789

Inside

Gore Oil Company

Simpson Trust #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 58851

Printed: 2014.05.02 @ 14:58:27



## DRILL STEM TEST REPORT

Prepared For: **Gore Oil Company**

PO Box 2757  
Wichita KS 67202-4518

ATTN: Chuck Schmaltz

### **Simpson Trust #1**

### **12 9s 18w Rooks,KS**

Start Date: 2014.04.28 @ 05:33:00

End Date: 2014.04.28 @ 14:11:00

Job Ticket #: 58852                      DST #: 2

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

Printed: 2014.05.02 @ 14:57:48

Gore Oil Company  
12 9s 18w Rooks,KS  
Simpson Trust #1  
DST # 2  
LKC " D - E "  
2014.04.28





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Gore Oil Company  
 PO Box 2757  
 Wichita KS 67202-4518  
 ATTN: Chuck Schmalz

**12 9s 18w Rooks,KS**

**Simpson Trust #1**

Job Ticket: 58852 **DST#: 2**  
 Test Start: 2014.04.28 @ 05:33:00

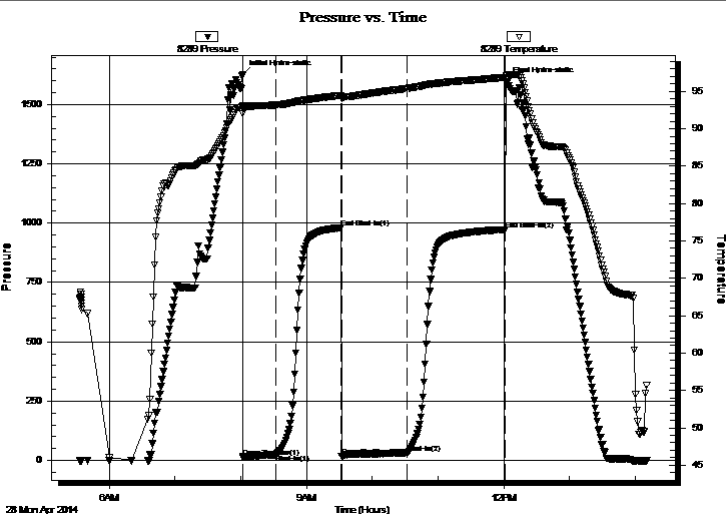
## GENERAL INFORMATION:

Formation: **LKC " D - E "**  
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 08:02:00 Tester: Jim Svaty  
 Time Test Ended: 14:11:00 Unit No: 76  
 Interval: **3283.00 ft (KB) To 3315.00 ft (KB) (TVD)** Reference Elevations: 2072.00 ft (KB)  
 Total Depth: 3315.00 ft (KB) (TVD) 2062.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 10.00 ft

## Serial #: 8289 Outside

Press@RunDepth: 32.25 psig @ 3284.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.04.28 End Date: 2014.04.28 Last Calib.: 2014.04.28  
 Start Time: 05:33:02 End Time: 14:11:00 Time On Btm: 2014.04.28 @ 08:01:45  
 Time Off Btm: 2014.04.28 @ 12:02:15

TEST COMMENT: 30-IFP- Surface Blow Building to 2 1/2".  
 60-ISIP- No Blow  
 60-FFP- 1" Blow in 30 sec. Died Back in 12 min. to 1/2"  
 90-FSIP- No Blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1626.91	93.02	Initial Hydro-static
1	12.34	92.00	Open To Flow (1)
31	24.13	93.19	Shut-In(1)
90	980.71	94.46	End Shut-In(1)
91	18.74	94.06	Open To Flow (2)
150	32.25	95.39	Shut-In(2)
240	972.96	96.87	End Shut-In(2)
241	1595.89	97.10	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
45.00	GMCO 10%g 35%m 55%o	0.36

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Gore Oil Company  
 PO Box 2757  
 Wichita KS 67202-4518  
 ATTN: Chuck Schmalz

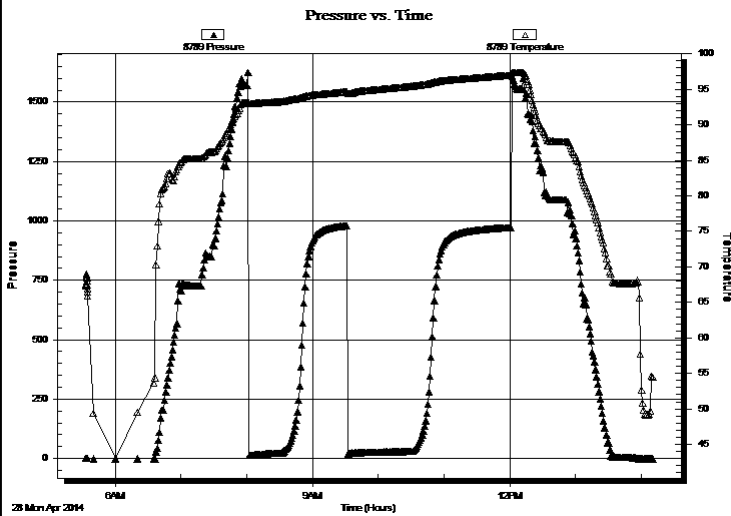
**12 9s 18w Rooks, KS**  
**Simpson Trust #1**  
 Job Ticket: 58852      **DST#: 2**  
 Test Start: 2014.04.28 @ 05:33:00

## GENERAL INFORMATION:

Formation: <b>LKC "D - E"</b>			
Deviated: No Whipstock: ft (KB)		Test Type: Conventional Bottom Hole (Reset)	
Time Tool Opened: 08:02:00		Tester: Jim Svaty	
Time Test Ended: 14:11:00		Unit No: 76	
<b>Interval: 3283.00 ft (KB) To 3315.00 ft (KB) (TVD)</b>		Reference Elevations: 2072.00 ft (KB)	
Total Depth: 3315.00 ft (KB) (TVD)		2062.00 ft (CF)	
Hole Diameter: 7.88 inches	Hole Condition: Fair	KB to GR/CF: 10.00 ft	

<b>Serial #: 8789</b>	<b>Inside</b>				
Press@RunDepth: psig @ 3284.00 ft (KB)		Capacity: 8000.00 psig			
Start Date: 2014.04.28	End Date: 2014.04.28	Last Calib.: 2014.04.28			
Start Time: 05:33:02	End Time: 14:10:45	Time On Btm:			
		Time Off Btm:			

TEST COMMENT: 30-IFP- Surface Blow Building to 2 1/2".  
 60-ISIP- No Blow  
 60-FFP- 1" Blow in 30 sec. Died Back in 12 min. to 1/2"  
 90-FSIP- No Blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

## Recovery

Length (ft)	Description	Volume (bbl)
45.00	GMCO 10%g 35%m 55%o	0.36

\* 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

**12 9s 18w Rooks,KS**

PO Box 2757  
Wichita KS 67202-4518

**Simpson Trust #1**

Job Ticket: 58852

**DST#: 2**

ATTN: Chuck Schmaltz

Test Start: 2014.04.28 @ 05:33:00

## Tool Information

Drill Pipe:	Length: 3254.00 ft	Diameter: 3.80 inches	Volume: 45.65 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 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: 50000.00 lb
			<u>Total Volume: 45.80 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3283.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	32.00 ft			
Tool Length:	55.00 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			3261.00	
Shut In Tool	5.00			3266.00	
Hydraulic tool	5.00			3271.00	
Safety Joint	2.00			3273.00	
Packer	5.00			3278.00	23.00 Bottom Of Top Packer
Packer	5.00			3283.00	
Stubb	1.00			3284.00	
Recorder	0.00	8789	Inside	3284.00	
Recorder	0.00	8289	Outside	3284.00	
Perforations	28.00			3312.00	
Bullnose	3.00			3315.00	32.00 Bottom Packers & Anchor

**Total Tool Length: 55.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Gore Oil Company

**12 9s 18w Rooks,KS**

PO Box 2757  
Wichita KS 67202-4518

**Simpson Trust #1**

Job Ticket: 58852

**DST#: 2**

ATTN: Chuck Schmaltz

Test Start: 2014.04.28 @ 05:33:00

## 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: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.73 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3800.00 ppm

Filter Cake: 4.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	GMCO 10%g 35%m 55%o	0.358

Total Length: 45.00 ft      Total Volume: 0.358 bbl

Num Fluid Samples: 0

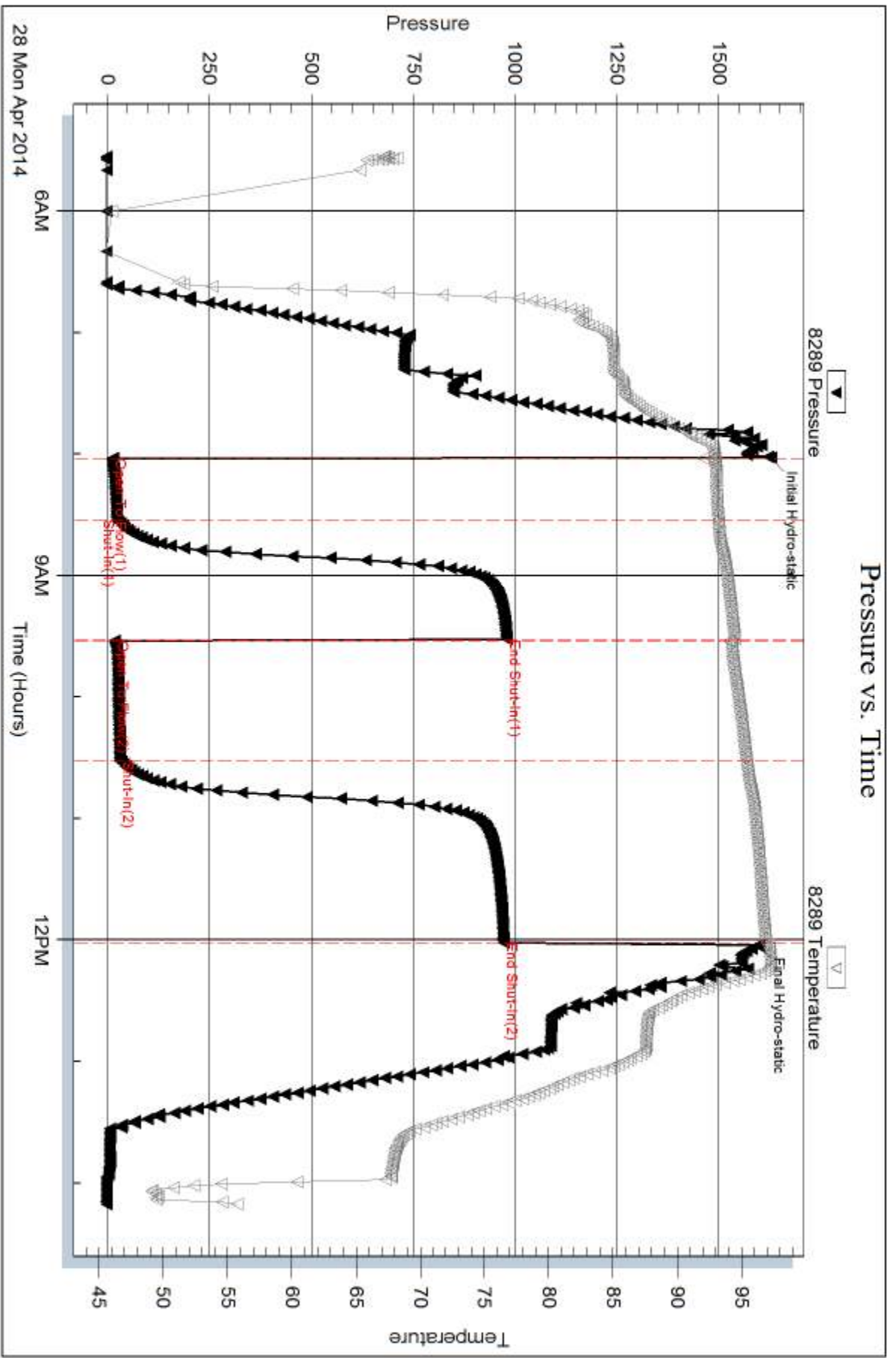
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



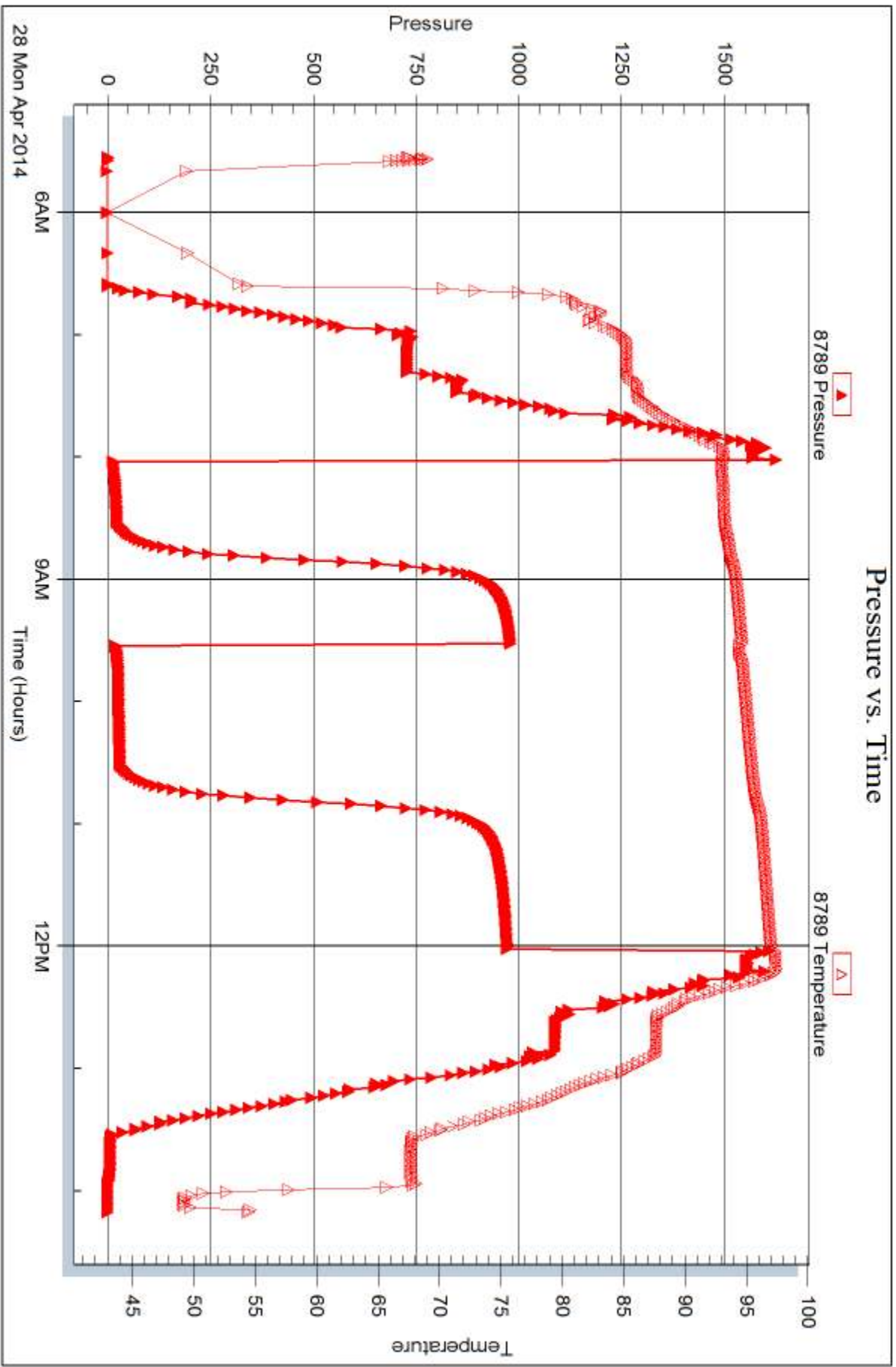
Serial #: 8789

Inside

Gore Oil Company

Simpson Trust#1

DST Test Number: 2





## DRILL STEM TEST REPORT

Prepared For: **Gore Oil Company**

PO Box 2757  
Wichita KS 67202-4518

ATTN: Chuck Schmaltz

### **Simpson Trust #1**

### **12 9s 18w Rooks,KS**

Start Date: 2014.04.28 @ 23:17:00

End Date: 2014.04.29 @ 07:21:00

Job Ticket #: 58853                      DST #: 3

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

Printed: 2014.05.02 @ 14:57:22

Gore Oil Company  
12 9s 18w Rooks,KS  
Simpson Trust #1  
DST # 3  
LKC " F - G "  
2014.04.28



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Gore Oil Company  
PO Box 2757  
Wichita KS 67202-4518  
ATTN: Chuck Schmalz

**12 9s 18w Rooks,KS**  
**Simpson Trust #1**  
Job Ticket: 58853      **DST#: 3**  
Test Start: 2014.04.28 @ 23:17:00

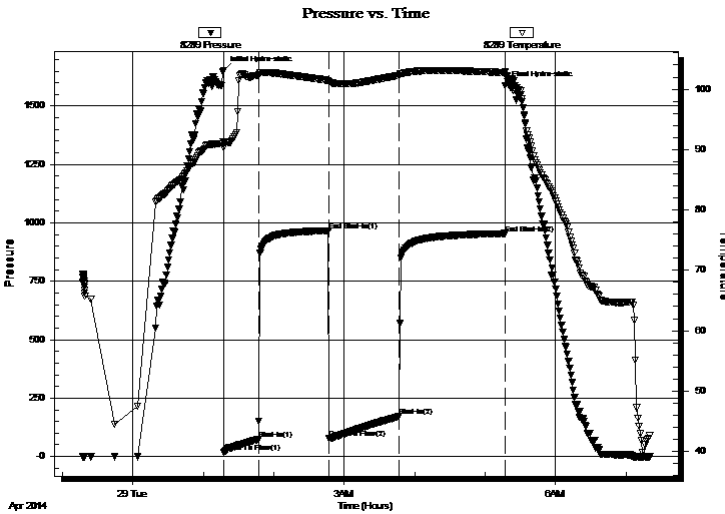
## GENERAL INFORMATION:

Formation: **LKC " F - G "**  
Deviated: No Whipstock: ft (KB)      Test Type: Conventional Bottom Hole (Reset)  
Time Tool Opened: 01:17:15      Tester: Jim Svaty  
Time Test Ended: 07:21:00      Unit No: 76  
**Interval: 3316.00 ft (KB) To 3352.00 ft (KB) (TVD)**      Reference Elevations: 2072.00 ft (KB)  
Total Depth: 3352.00 ft (KB) (TVD)      2062.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: Fair      KB to GR/CF: 10.00 ft

**Serial #: 8289      Outside**  
Press@RunDepth: 171.97 psig @ 3322.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2014.04.28      End Date: 2014.04.29      Last Calib.: 2014.04.29  
Start Time: 23:17:02      End Time: 07:21:00      Time On Btm: 2014.04.29 @ 01:17:00  
Time Off Btm: 2014.04.29 @ 05:17:15

**TEST COMMENT:** 30-IFP- BOB in 26 min.  
60-ISIP- No Blow  
60-FFP- BOB in 31 min.  
90-FSIP- No Blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1653.11	91.26	Initial Hydro-static
1	16.51	90.32	Open To Flow (1)
30	74.77	102.35	Shut-In(1)
90	966.93	101.45	End Shut-In(1)
90	76.80	101.16	Open To Flow (2)
150	171.97	102.30	Shut-In(2)
240	954.78	102.74	End Shut-In(2)
241	1587.47	102.90	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
340.00	MCW 15% m 85% w	4.50

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Gore Oil Company

**12 9s 18w Rooks,KS**

PO Box 2757  
Wichita KS 67202-4518

**Simpson Trust #1**

Job Ticket: 58853

**DST#: 3**

ATTN: Chuck Schmalz

Test Start: 2014.04.28 @ 23:17:00

## GENERAL INFORMATION:

Formation: **LKC " F - G "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:17:15

Time Test Ended: 07:21:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 76

**Interval: 3316.00 ft (KB) To 3352.00 ft (KB) (TVD)**

Reference Elevations: 2072.00 ft (KB)

Total Depth: 3352.00 ft (KB) (TVD)

2062.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

**Serial #: 8789** **Inside**

Press@RunDepth: psig @ 3322.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.04.28

End Date:

2014.04.29

Last Calib.:

2014.04.29

Start Time: 23:17:02

End Time:

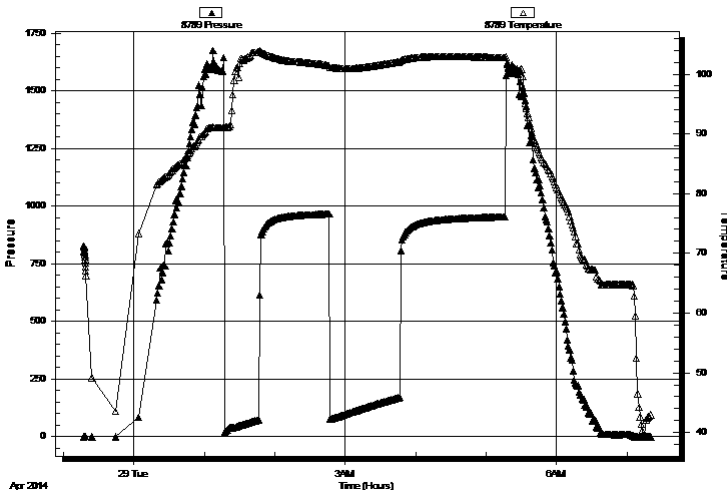
07:21:00

Time On Btm:

Time Off Btm:

**TEST COMMENT:** 30-IFP- BOB in 26 min.  
60-ISIP- No Blow  
60-FFP- BOB in 31 min.  
90-FSIP- No Blow

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

## Recovery

Length (ft)	Description	Volume (bbl)
340.00	MCW 15% m 85% w	4.50

\* 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

**12 9s 18w Rooks,KS**

PO Box 2757  
Wichita KS 67202-4518

**Simpson Trust #1**

Job Ticket: 58853

**DST#: 3**

ATTN: Chuck Schmaltz

Test Start: 2014.04.28 @ 23:17:00

## Tool Information

Drill Pipe:	Length: 3286.00 ft	Diameter: 3.80 inches	Volume: 46.09 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 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:	47000.00 lb
			<u>Total Volume: 46.24 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial	44000.00 lb
Depth to Top Packer:	3316.00 ft			Final	45000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	36.00 ft				
Tool Length:	59.00 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			3294.00	
Shut In Tool	5.00			3299.00	
Hydraulic tool	5.00			3304.00	
Safety Joint	2.00			3306.00	
Packer	5.00			3311.00	23.00 Bottom Of Top Packer
Packer	5.00			3316.00	
Stubb	1.00			3317.00	
Perforations	5.00			3322.00	
Recorder	0.00	8789	Inside	3322.00	
Recorder	0.00	8289	Outside	3322.00	
Perforations	27.00			3349.00	
Bullnose	3.00			3352.00	36.00 Bottom Packers & Anchor

**Total Tool Length: 59.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Gore Oil Company

**12 9s 18w Rooks,KS**

PO Box 2757  
Wichita KS 67202-4518

**Simpson Trust #1**

Job Ticket: 58853

**DST#: 3**

ATTN: Chuck Schmaltz

Test Start: 2014.04.28 @ 23:17:00

### 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:

57000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.93 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 4.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
340.00	MCW 15%m 85%w	4.496

Total Length: 340.00 ft      Total Volume: 4.496 bbl

Num Fluid Samples: 0

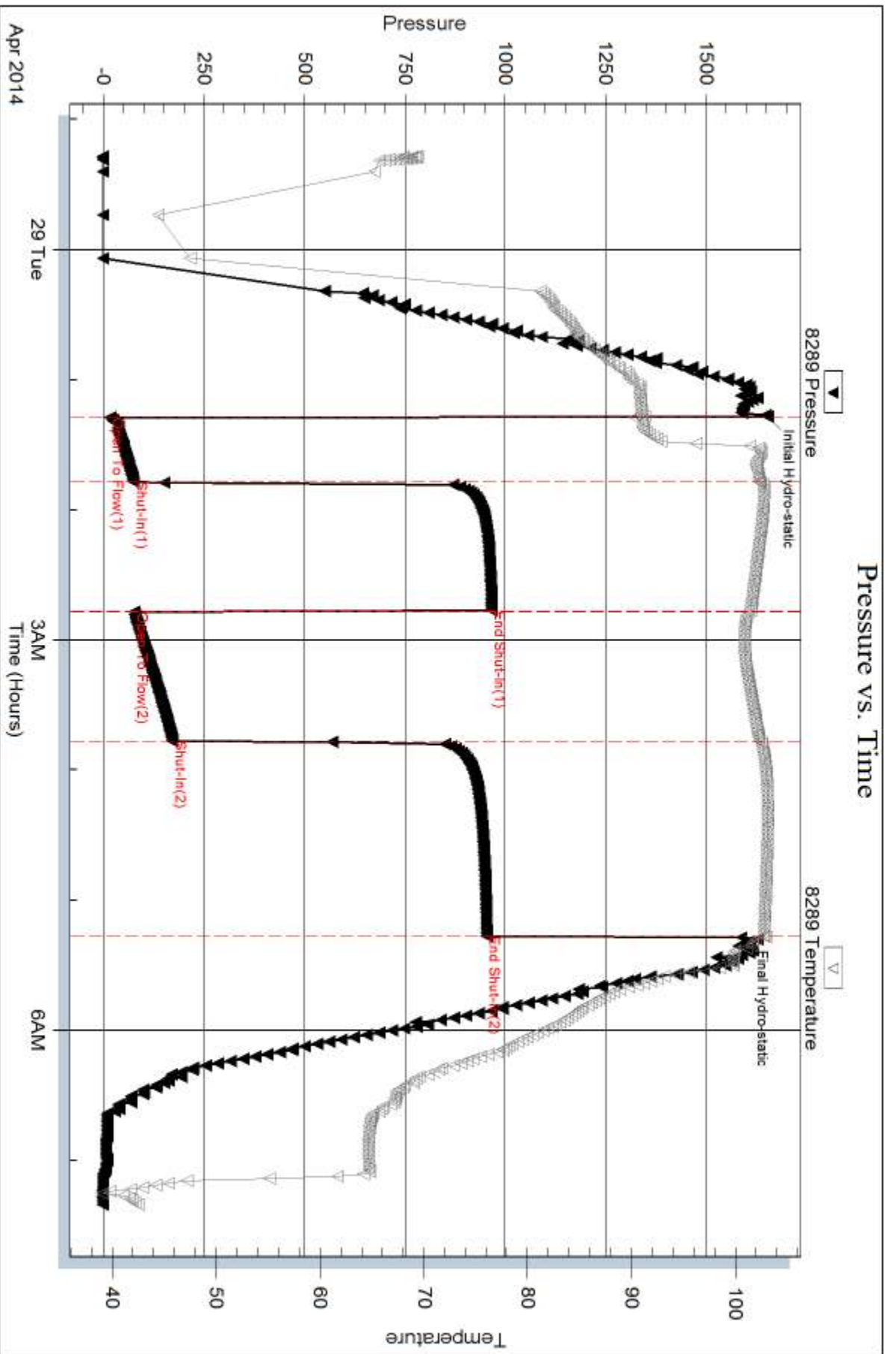
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .240 @ 40



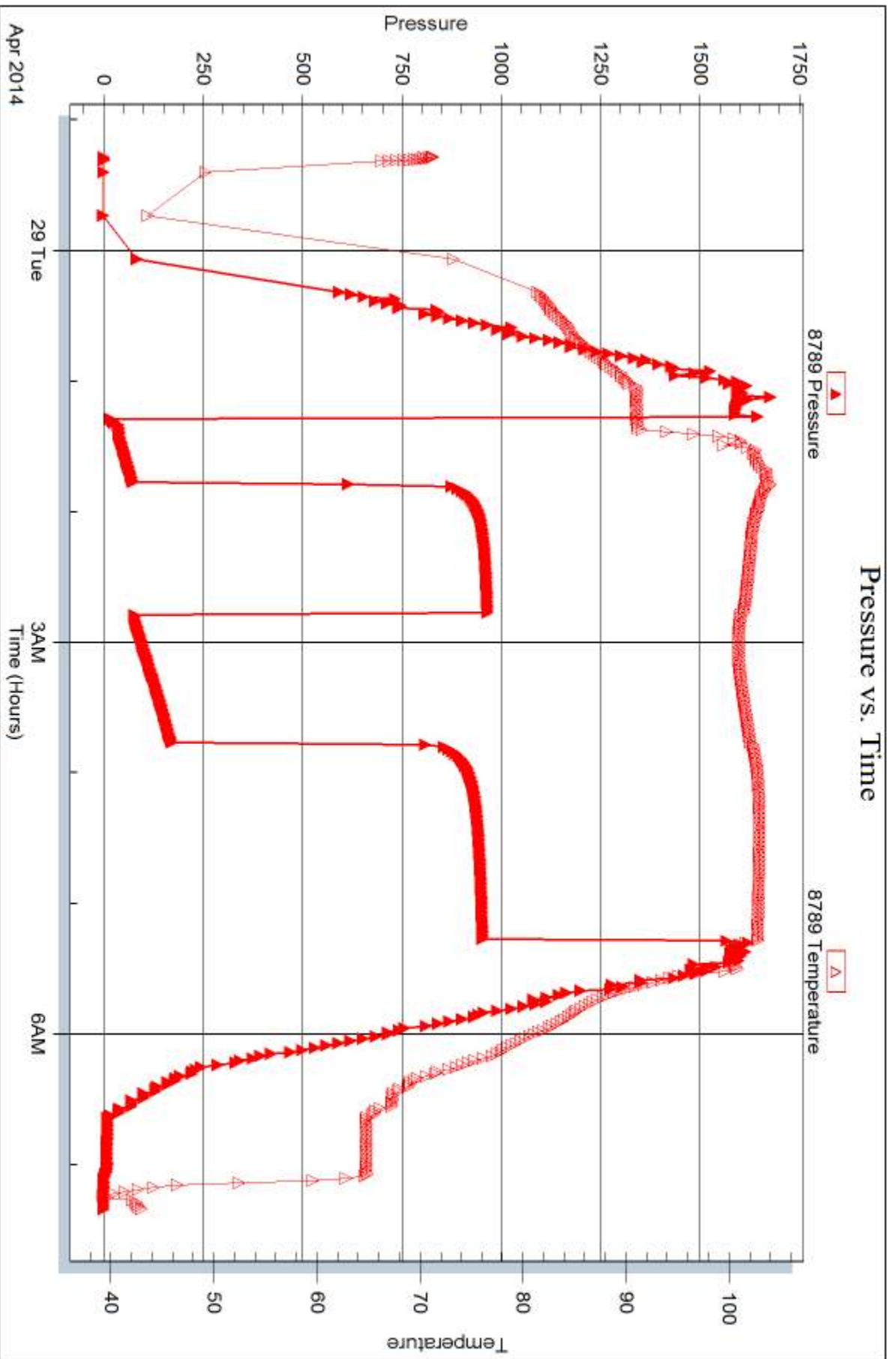
Serial #: 8789

Inside

Gore Oil Company

Simpson Trust #1

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 58853

Printed: 2014.05.02 @ 14:57:23



## DRILL STEM TEST REPORT

Prepared For: **Gore Oil Company**

PO Box 2757  
Wichita KS 67202-4518

ATTN: Chuck Schmaltz

### **Simpson Trust #1**

### **12 9s 18w Rooks,KS**

Start Date: 2014.04.29 @ 15:50:00

End Date: 2014.04.29 @ 23:20:00

Job Ticket #: 58854                      DST #: 4

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

Printed: 2014.05.02 @ 14:56:57



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Gore Oil Company  
PO Box 2757  
Wichita KS 67202-4518  
ATTN: Chuck Schmalz

**12 9s 18w Rooks,KS**  
**Simpson Trust #1**  
Job Ticket: 58854      **DST#: 4**  
Test Start: 2014.04.29 @ 15:50:00

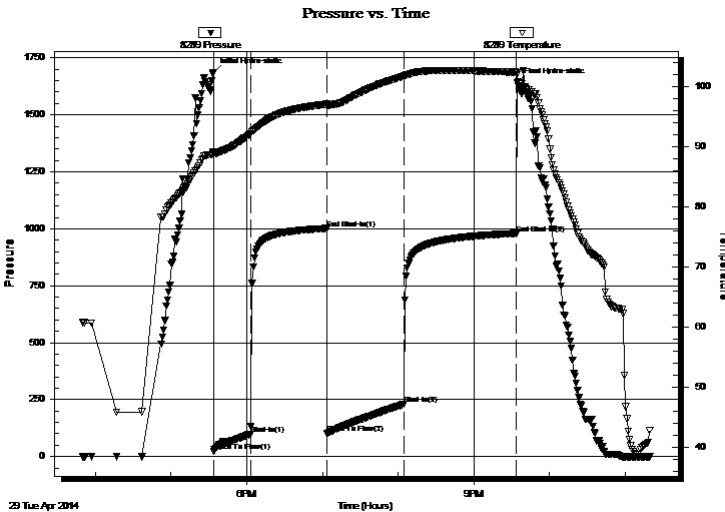
## GENERAL INFORMATION:

Formation: **LKC " H**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 17:33:45  
Time Test Ended: 23:20:00  
Interval: **3353.00 ft (KB) To 3400.00 ft (KB) (TVD)**  
Total Depth: 3400.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Jim Svaty  
Unit No: 76  
Reference Elevations: 2072.00 ft (KB)  
2062.00 ft (CF)  
KB to GR/CF: 10.00 ft

**Serial #: 8289      Outside**  
Press@RunDepth: 229.55 psig @ 3364.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2014.04.29      End Date: 2014.04.29      Last Calib.: 2014.04.29  
Start Time: 15:50:02      End Time: 23:20:00      Time On Btm: 2014.04.29 @ 17:33:30  
Time Off Btm: 2014.04.29 @ 21:34:15

TEST COMMENT: 30-IFP- BOB in 16 min.  
60-ISIP- No Blow  
60-FFP- BOB in 20 min.  
90-FSIP- No Blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1686.06	89.01	Initial Hydro-static
1	23.71	88.60	Open To Flow (1)
30	99.12	92.10	Shut-In(1)
90	1001.56	97.02	End Shut-In(1)
91	102.74	96.68	Open To Flow (2)
151	229.55	101.62	Shut-In(2)
241	979.97	102.32	End Shut-In(2)
241	1643.12	101.96	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
65.00	WCM 30%w 70%m	0.64
375.00	MCW 20%m 80%w	5.26

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Gore Oil Company  
PO Box 2757  
Wichita KS 67202-4518  
ATTN: Chuck Schmalz

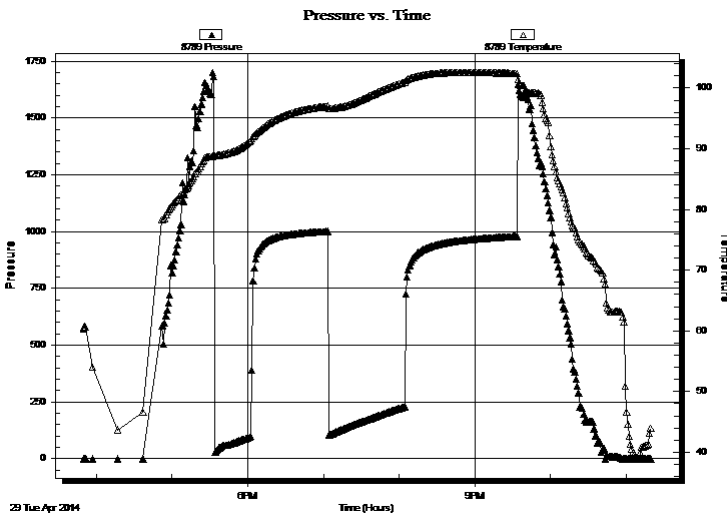
**12 9s 18w Rooks,KS**  
**Simpson Trust #1**  
Job Ticket: 58854 **DST#: 4**  
Test Start: 2014.04.29 @ 15:50:00

## GENERAL INFORMATION:

Formation: **LKC " H**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 17:33:45  
 Time Test Ended: 23:20:00  
 Interval: **3353.00 ft (KB) To 3400.00 ft (KB) (TVD)**  
 Total Depth: 3400.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Jim Svaty  
 Unit No: 76  
 Reference Elevations: 2072.00 ft (KB)  
 2062.00 ft (CF)  
 KB to GR/CF: 10.00 ft

**Serial #: 8789 Inside**  
 Press@RunDepth: psig @ 3364.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.04.29 End Date: 2014.04.29 Last Calib.: 2014.04.29  
 Start Time: 15:50:02 End Time: 23:19:45 Time On Btm:  
 Time Off Btm:

TEST COMMENT: 30-IFP- BOB in 16 min.  
 60-ISIP- No Blow  
 60-FFP- BOB in 20 min.  
 90-FSIP- No Blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

## Recovery

Length (ft)	Description	Volume (bbl)
65.00	WCM 30%w 70%w	0.64
375.00	MCW 20%w 80%w	5.26

## Gas Rates

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

\* Recovery from multiple tests





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Gore Oil Company

**12 9s 18w Rooks,KS**

PO Box 2757  
Wichita KS 67202-4518

**Simpson Trust #1**

Job Ticket: 58854

**DST#: 4**

ATTN: Chuck Schmaltz

Test Start: 2014.04.29 @ 15:50:00

## Tool Information

Drill Pipe:	Length: 3317.00 ft	Diameter: 3.80 inches	Volume: 46.53 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 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: 47000.00 lb
			<u>Total Volume: 46.68 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 43000.00 lb
Depth to Top Packer:	3353.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	47.00 ft			
Tool Length:	70.00 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			3331.00	
Shut In Tool	5.00			3336.00	
Hydraulic tool	5.00			3341.00	
Safety Joint	2.00			3343.00	
Packer	5.00			3348.00	23.00 Bottom Of Top Packer
Packer	5.00			3353.00	
Stubb	1.00			3354.00	
Perforations	10.00			3364.00	
Recorder	0.00	8789	Inside	3364.00	
Recorder	0.00	8289	Outside	3364.00	
Change Over Sub	1.00			3365.00	
Blank Spacing	31.00			3396.00	
Change Over Sub	1.00			3397.00	
Bullnose	3.00			3400.00	47.00 Bottom Packers & Anchor

**Total Tool Length: 70.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Gore Oil Company

**12 9s 18w Rooks,KS**

PO Box 2757  
Wichita KS 67202-4518

**Simpson Trust #1**

Job Ticket: 58854

**DST#: 4**

ATTN: Chuck Schmaltz

Test Start: 2014.04.29 @ 15:50:00

### 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:

72500 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.71 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 4.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	WCM 30%w 70%m	0.638
375.00	MCW 20%m 80%w	5.260

Total Length: 440.00 ft

Total Volume: 5.898 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

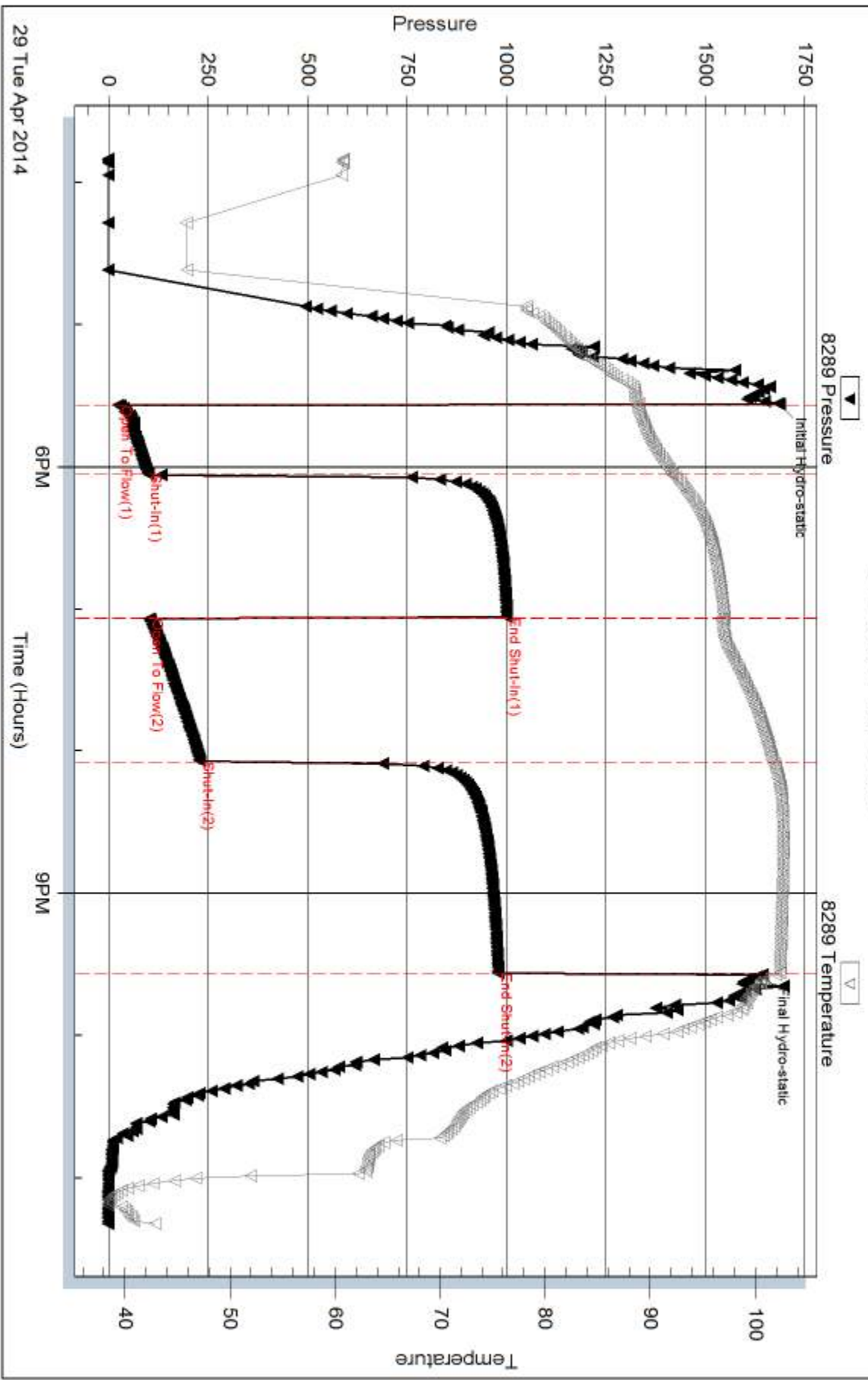
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .190 @ 40

### Pressure vs. Time



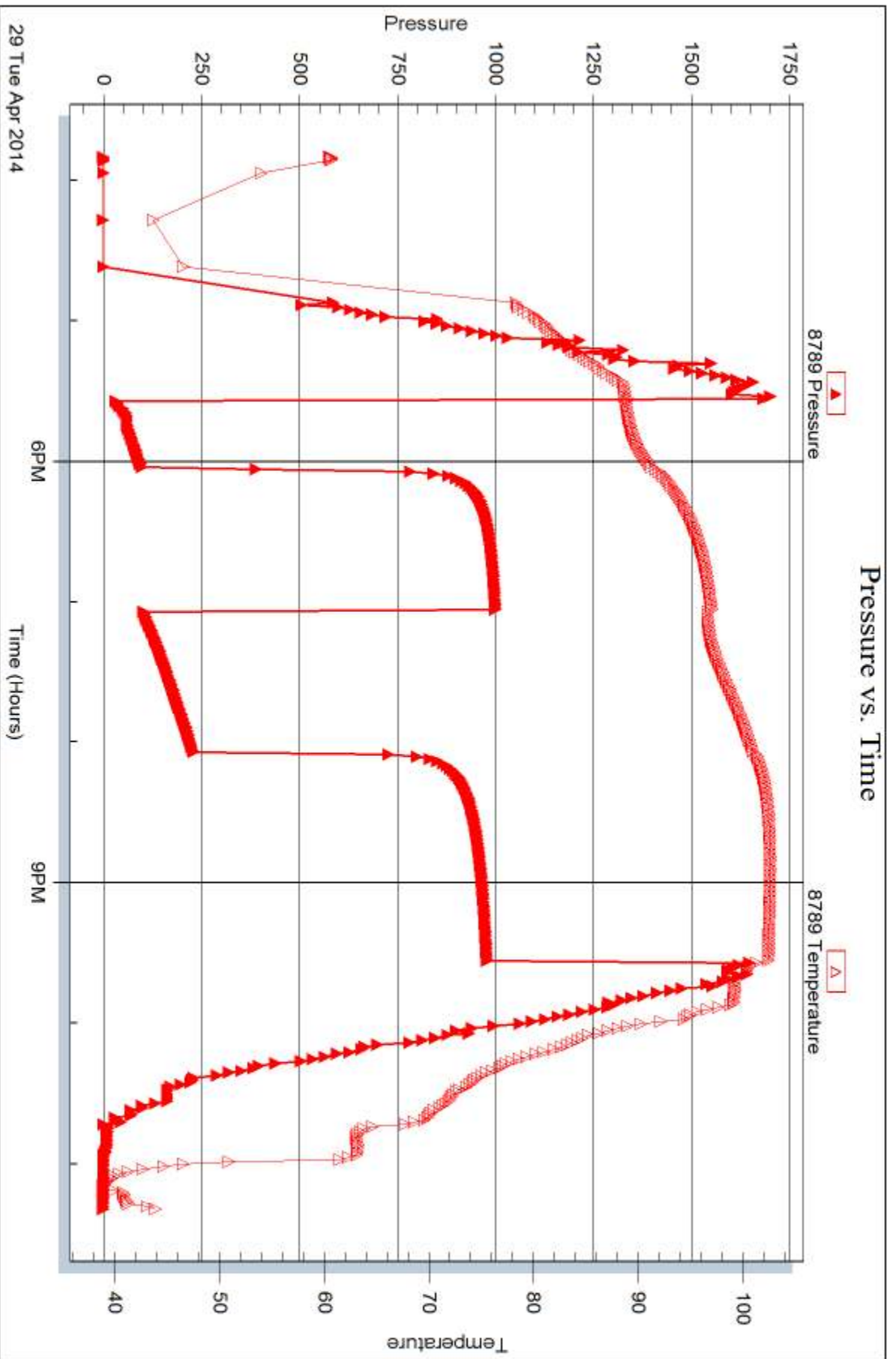
Serial #: 8789

Inside

Gore Oil Company

Simpson Trust#1

DST Test Number: 4



29 Tue Apr 2014

Trilobite Testing, Inc

Ref. No: 58854

Printed: 2014.05.02 @ 14:56:59



## DRILL STEM TEST REPORT

Prepared For: **Gore Oil Company**

PO Box 2757  
Wichita KS 67202-4518

ATTN: Chuck Schmaltz

### **Simpson Trust #1**

### **12 9s 18w Rooks,KS**

Start Date: 2014.04.30 @ 08:16:00

End Date: 2014.04.30 @ 15:51:00

Job Ticket #: 58855                      DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.05.02 @ 14:56:33



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Gore Oil Company  
 PO Box 2757  
 Wichita KS 67202-4518  
 ATTN: Chuck Schmalz

**12 9s 18w Rooks,KS**  
**Simpson Trust #1**  
 Job Ticket: 58855 **DST#: 5**  
 Test Start: 2014.04.30 @ 08:16:00

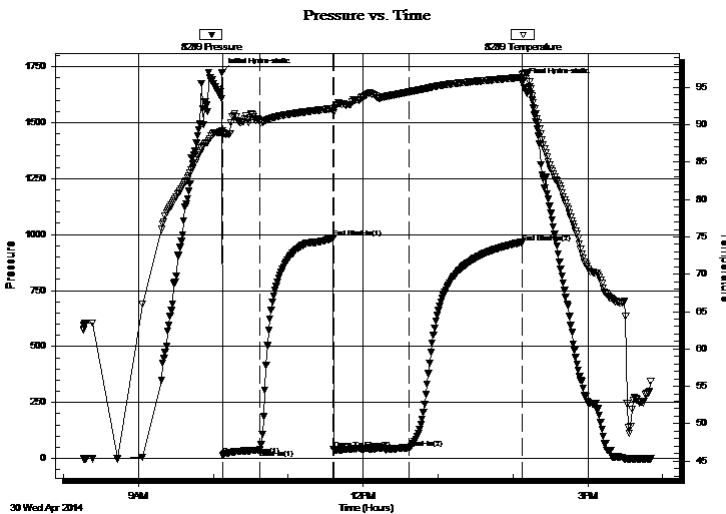
## GENERAL INFORMATION:

Formation: **LKC " J - L "**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 10:07:15  
 Time Test Ended: 15:51:00  
 Interval: **3399.00 ft (KB) To 3460.00 ft (KB) (TVD)**  
 Total Depth: 3460.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Jim Svaty  
 Unit No: 76  
 Reference Elevations: 2072.00 ft (KB)  
 2062.00 ft (CF)  
 KB to GR/CF: 10.00 ft

**Serial #: 8289 Outside**  
 Press@RunDepth: 47.15 psig @ 3400.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.04.30 End Date: 2014.04.30 Last Calib.: 2014.04.30  
 Start Time: 08:16:02 End Time: 15:51:00 Time On Btm: 2014.04.30 @ 10:07:00  
 Time Off Btm: 2014.04.30 @ 14:07:30

**TEST COMMENT:** 30-IFP- Surface Blow Building to 3 1/4"  
 60-ISIP- No Blow  
 60-FFP- Surface Blow Building to 2 3/4"  
 90-FSIP- No Blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1723.87	89.19	Initial Hydro-static
1	16.04	88.62	Open To Flow (1)
30	39.04	90.48	Shut-In(1)
89	984.45	92.19	End Shut-In(1)
90	41.84	91.62	Open To Flow (2)
150	47.15	94.39	Shut-In(2)
241	964.78	96.36	End Shut-In(2)
241	1679.67	96.68	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
62.00	Oil Speck Mud 100%	0.60
3.00	WOCM 5%w 15%o 80%m	0.04
3.00	CO 100%	0.04

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Gore Oil Company  
PO Box 2757  
Wichita KS 67202-4518  
ATTN: Chuck Schmalz

**12 9s 18w Rooks,KS**

**Simpson Trust #1**

Job Ticket: 58855

**DST#: 5**

Test Start: 2014.04.30 @ 08:16:00

## GENERAL INFORMATION:

Formation: **LKC "J - L "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:07:15

Time Test Ended: 15:51:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 76

**Interval: 3399.00 ft (KB) To 3460.00 ft (KB) (TVD)**

Reference Elevations: 2072.00 ft (KB)

Total Depth: 3460.00 ft (KB) (TVD)

2062.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

**Serial #: 8789 Inside**

Press@RunDepth: psig @ 3400.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.04.30

End Date:

2014.04.30

Last Calib.:

2014.04.30

Start Time: 08:16:02

End Time:

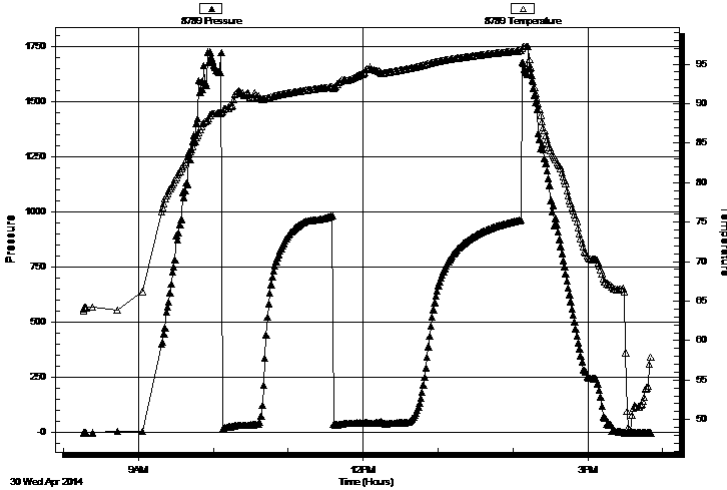
15:50:45

Time On Btm:

Time Off Btm:

**TEST COMMENT:** 30-IFP- Surface Blow Building to 3 1/4"  
60-ISIP- No Blow  
60-FFP- Surface Blow Building to 2 3/4"  
90-FSIP- No Blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
-------------	-----------------	--------------	------------

Recovery

Length (ft)	Description	Volume (bbl)
62.00	Oil Speck Mud 100%	0.60
3.00	WOCM 5%w 15%o 80%m	0.04
3.00	CO 100%	0.04

Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Gore Oil Company

**12 9s 18w Rooks,KS**

PO Box 2757  
Wichita KS 67202-4518

**Simpson Trust #1**

Job Ticket: 58855

**DST#: 5**

ATTN: Chuck Schmaltz

Test Start: 2014.04.30 @ 08:16:00

## Tool Information

Drill Pipe:	Length: 3379.00 ft	Diameter: 3.80 inches	Volume: 47.40 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 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: 45000.00 lb
			<u>Total Volume: 47.55 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial 43000.00 lb
Depth to Top Packer:	3399.00 ft			Final 43000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	61.00 ft			
Tool Length:	84.00 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			3377.00	
Shut In Tool	5.00			3382.00	
Hydraulic tool	5.00			3387.00	
Safety Joint	2.00			3389.00	
Packer	5.00			3394.00	23.00 Bottom Of Top Packer
Packer	5.00			3399.00	
Stubb	1.00			3400.00	
Recorder	0.00	8789	Inside	3400.00	
Recorder	0.00	8289	Outside	3400.00	
Perforations	24.00			3424.00	
Change Over Sub	1.00			3425.00	
Blank Spacing	31.00			3456.00	
Change Over Sub	1.00			3457.00	
Bullnose	3.00			3460.00	61.00 Bottom Packers & Anchor

**Total Tool Length: 84.00**





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Gore Oil Company

**12 9s 18w Rooks,KS**

PO Box 2757  
Wichita KS 67202-4518

**Simpson Trust #1**

Job Ticket: 58855

**DST#: 5**

ATTN: Chuck Schmaltz

Test Start: 2014.04.30 @ 08:16:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

30 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.94 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5500.00 ppm

Filter Cake: 4.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	Oil Speck Mud 100%	0.596
3.00	WOCM 5%w 15%o 80%m	0.042
3.00	CO 100%	0.042

Total Length: 68.00 ft      Total Volume: 0.680 bbl

Num Fluid Samples: 0

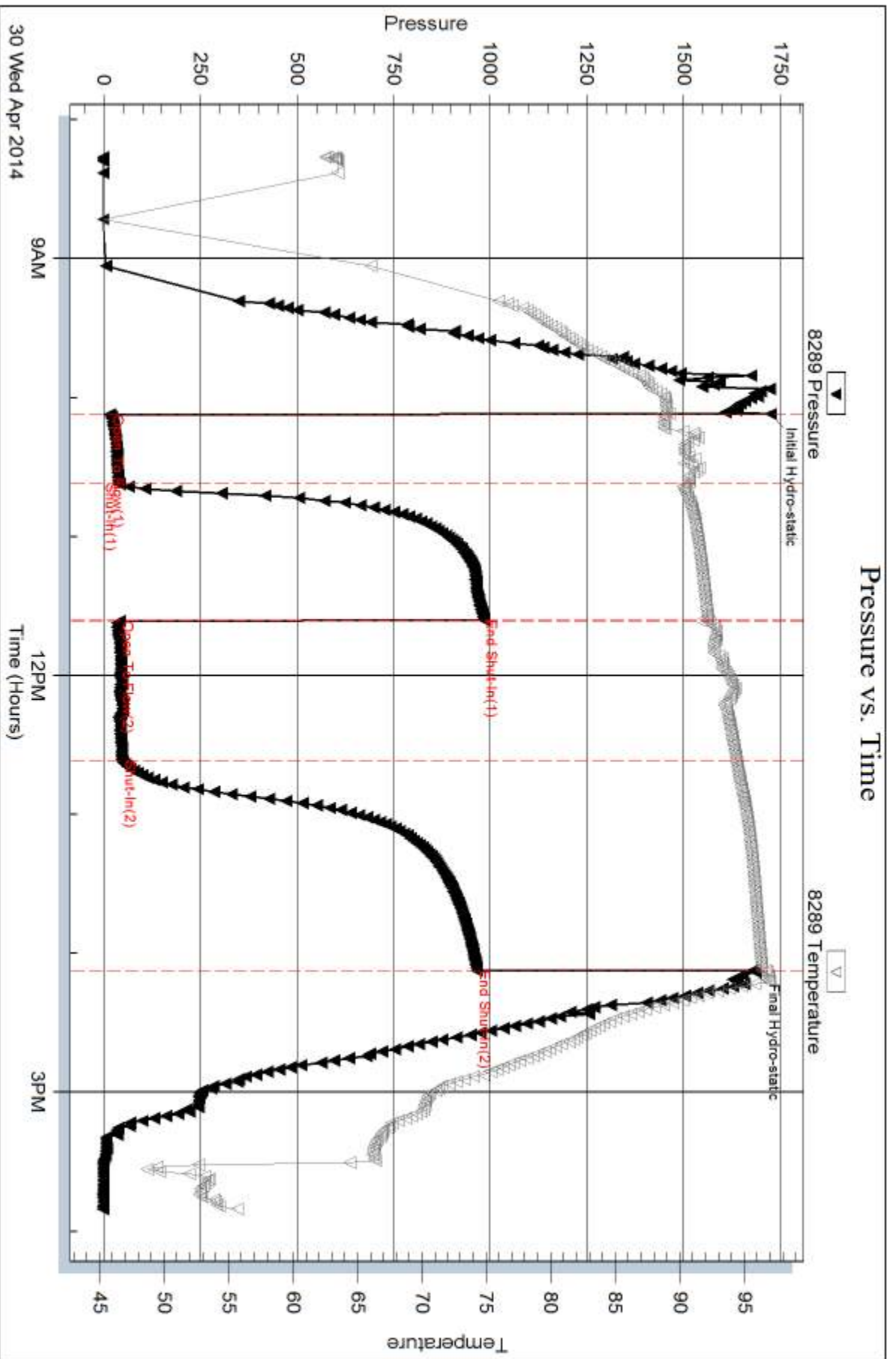
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



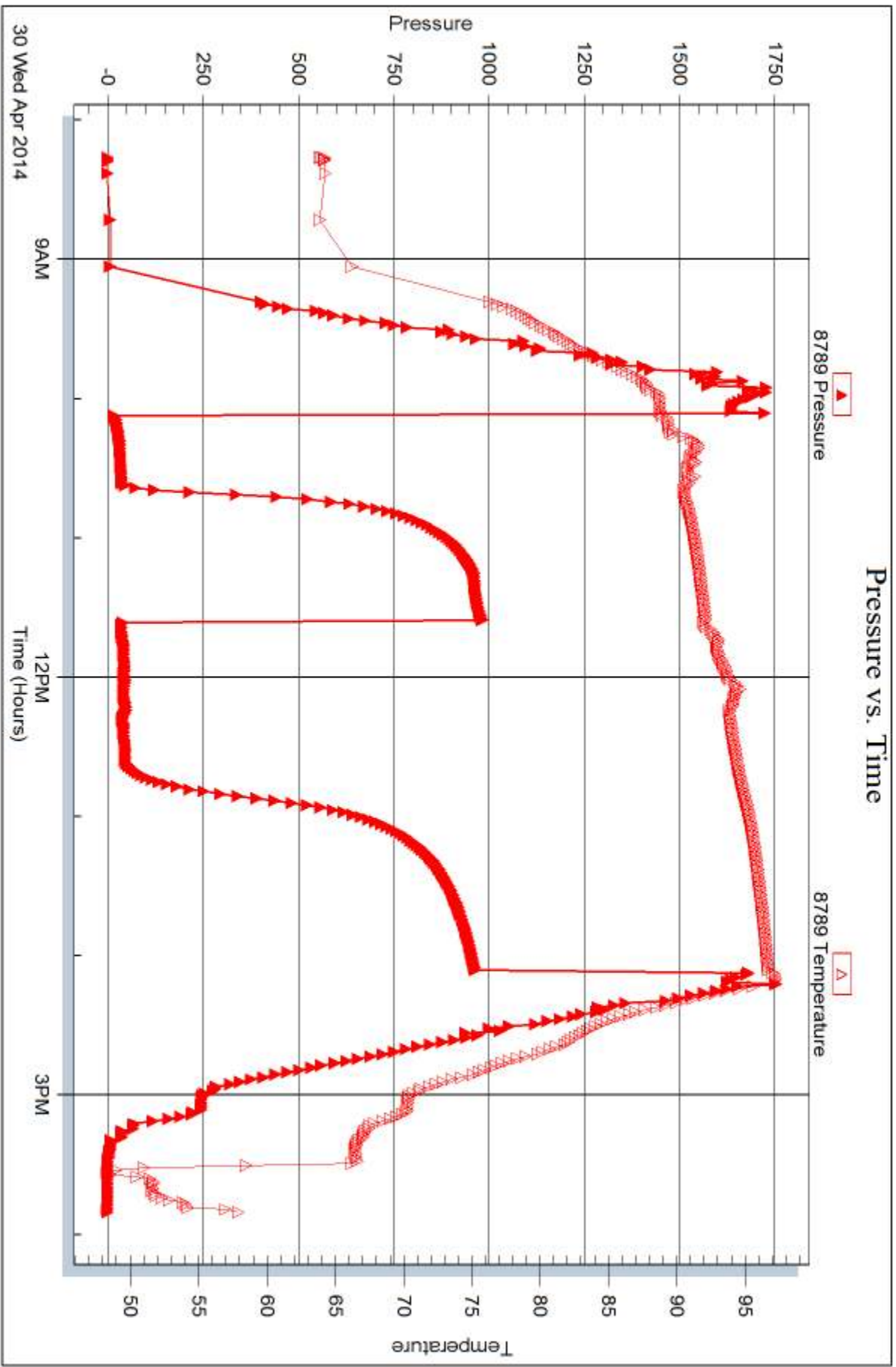
Serial #: 8789

Inside

Gore Oil Company

Simpson Trust#1

DST Test Number: 5



Trilobite Testing, Inc

Ref. No: 58855

Printed: 2014.05.02 @ 14:56:35



## DRILL STEM TEST REPORT

Prepared For: **Gore Oil Company**

PO Box 2757  
Wichita KS 67202-4518

ATTN: Chuck Schmaltz

### **Simpson Trust #1**

#### **12 9s 18w Rooks,KS**

Start Date: 2014.04.30 @ 23:30:00

End Date: 2014.05.01 @ 07:22:00

Job Ticket #: 58856                      DST #: 6

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

Printed: 2014.05.02 @ 14:56:02



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Gore Oil Company  
 PO Box 2757  
 Wichita KS 67202-4518  
 ATTN: Chuck Schmalz

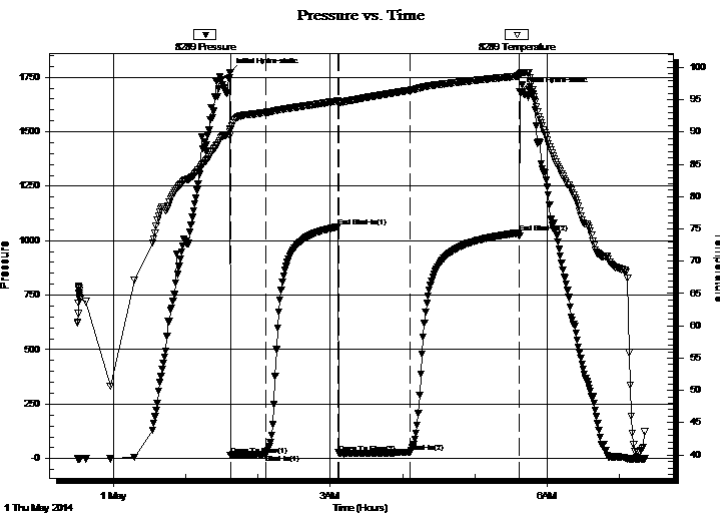
**12 9s 18w Rooks,KS**  
**Simpson Trust #1**  
 Job Ticket: 58856 **DST#: 6**  
 Test Start: 2014.04.30 @ 23:30:00

## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 01:37:00  
 Time Test Ended: 07:22:00  
 Interval: **3490.00 ft (KB) To 3506.00 ft (KB) (TVD)**  
 Total Depth: 3506.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Jim Svaty  
 Unit No: 76  
 Reference Elevations: 2072.00 ft (KB)  
 2062.00 ft (CF)  
 KB to GR/CF: 10.00 ft

**Serial #: 8289 Outside**  
 Press@RunDepth: 28.37 psig @ 3491.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.04.30 End Date: 2014.05.01 Last Calib.: 2014.05.01  
 Start Time: 23:30:02 End Time: 07:22:00 Time On Btm: 2014.05.01 @ 01:36:45  
 Time Off Btm: 2014.05.01 @ 05:37:30

**TEST COMMENT:** 30-IFP- Surface Blow Building to 1" in 15 min.  
 60-ISIP- No Blow  
 60-FFP- Surface Blow  
 90-FSIP- No Blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1772.36	90.54	Initial Hydro-static
1	14.88	89.63	Open To Flow (1)
30	20.78	93.05	Shut-In(1)
90	1063.47	94.82	End Shut-In(1)
90	26.14	94.40	Open To Flow (2)
150	28.37	96.47	Shut-In(2)
241	1036.06	98.68	End Shut-In(2)
241	1684.77	98.93	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
52.00	OCM	0.46
3.00	Heavy CO	0.04

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Gore Oil Company  
 PO Box 2757  
 Wichita KS 67202-4518  
 ATTN: Chuck Schmalz

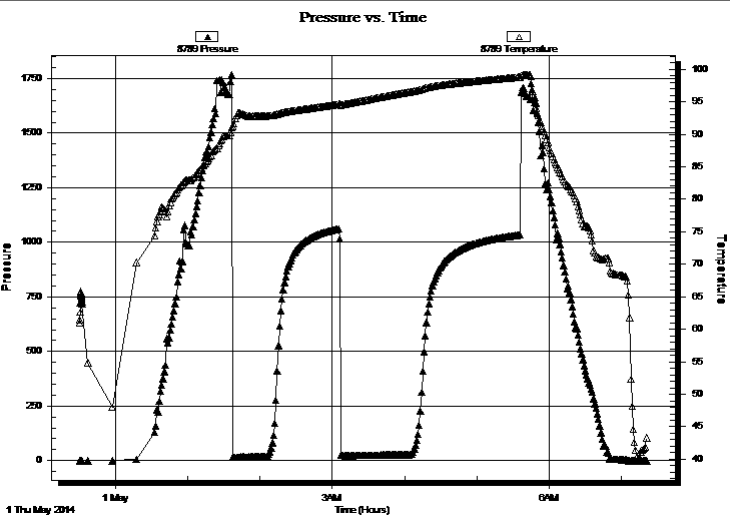
**12 9s 18w Rooks, KS**  
**Simpson Trust #1**  
 Job Ticket: 58856      **DST#: 6**  
 Test Start: 2014.04.30 @ 23:30:00

## GENERAL INFORMATION:

Formation:	<b>Arbuckle</b>				
Deviated:	No Whipstock:	ft (KB)	Test Type:	Conventional Bottom Hole (Reset)	
Time Tool Opened:	01:37:00		Tester:	Jim Svaty	
Time Test Ended:	07:22:00		Unit No:	76	
<b>Interval:</b>	<b>3490.00 ft (KB) To 3506.00 ft (KB) (TVD)</b>		Reference Elevations:	2072.00 ft (KB)	
Total Depth:	3506.00 ft (KB) (TVD)			2062.00 ft (CF)	
Hole Diameter:	7.88 inches	Hole Condition: Fair	KB to GR/CF:	10.00 ft	

<b>Serial #: 8789</b>	<b>Inside</b>				
Press@RunDepth:	psig @	3491.00 ft (KB)	Capacity:	8000.00 psig	
Start Date:	2014.04.30	End Date:	2014.05.01	Last Calib.:	2014.05.01
Start Time:	23:30:02	End Time:	07:21:45	Time On Btm:	
				Time Off Btm:	

TEST COMMENT: 30-IFP- Surface Blow Building to 1" in 15 min.  
 60-ISIP- No Blow  
 60-FFP- Surface Blow  
 90-FSIP- No Blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

## Recovery

Length (ft)	Description	Volume (bbl)
52.00	OCM	0.46
3.00	Heavy CO	0.04

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Gore Oil Company

**12 9s 18w Rooks,KS**

PO Box 2757  
Wichita KS 67202-4518

**Simpson Trust #1**

Job Ticket: 58856

**DST#: 6**

ATTN: Chuck Schmaltz

Test Start: 2014.04.30 @ 23:30:00

## Tool Information

Drill Pipe:	Length: 3442.00 ft	Diameter: 3.80 inches	Volume: 48.28 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 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: 47000.00 lb
			<u>Total Volume: 48.43 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3490.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	16.00 ft			
Tool Length:	39.00 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			3468.00	
Shut In Tool	5.00			3473.00	
Hydraulic tool	5.00			3478.00	
Safety Joint	2.00			3480.00	
Packer	5.00			3485.00	23.00 Bottom Of Top Packer
Packer	5.00			3490.00	
Stubb	1.00			3491.00	
Recorder	0.00	8789	Inside	3491.00	
Recorder	0.00	8289	Outside	3491.00	
Perforations	12.00			3503.00	
Bullnose	3.00			3506.00	16.00 Bottom Packers & Anchor

**Total Tool Length: 39.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Gore Oil Company

**12 9s 18w Rooks,KS**

PO Box 2757  
Wichita KS 67202-4518

**Simpson Trust #1**

Job Ticket: 58856

**DST#: 6**

ATTN: Chuck Schmaltz

Test Start: 2014.04.30 @ 23:30:00

## 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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.93 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5500.00 ppm

Filter Cake: 4.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
52.00	OCM	0.456
3.00	Heavy CO	0.042

Total Length: 55.00 ft      Total Volume: 0.498 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

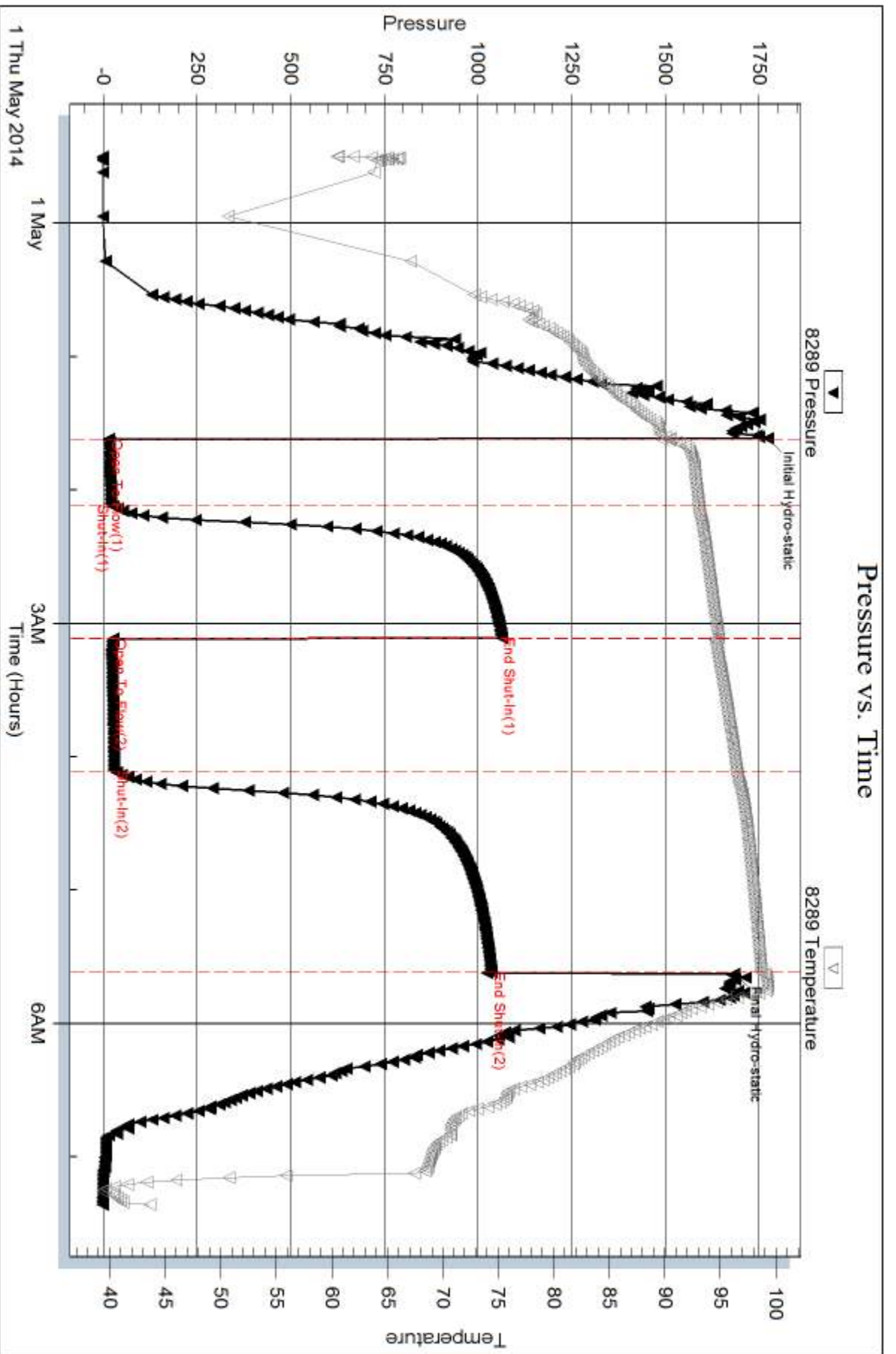
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





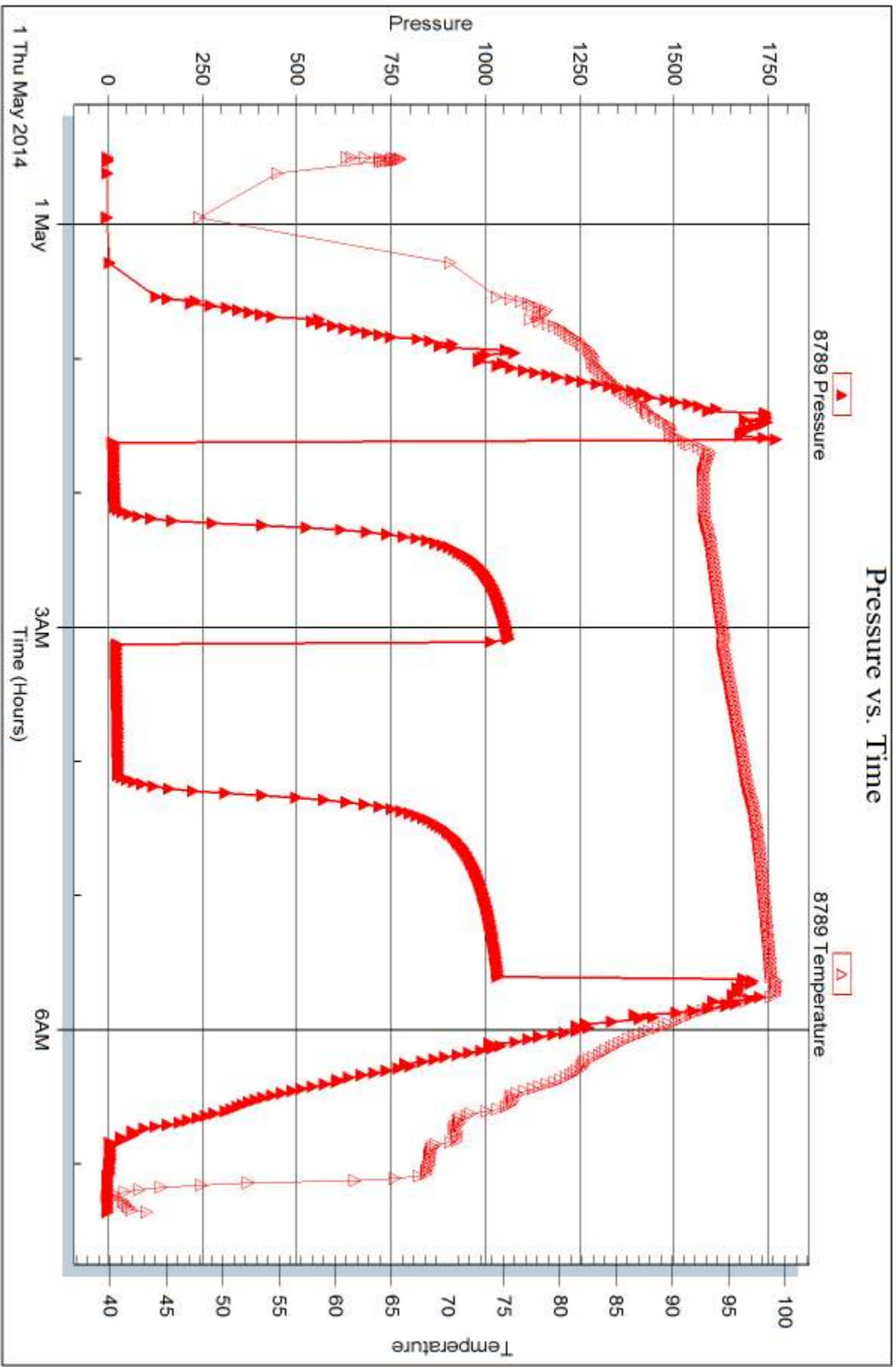
Serial #: 8789

Inside

Gore Oil Company

Simpson Trust#1

DST Test Number: 6



Trilobite Testing, Inc

Ref. No: 59856

Printed: 2014.05.02 @ 14:56:03



## DRILL STEM TEST REPORT

Prepared For: **Gore Oil Company**

PO Box 2757  
Wichita KS 67202-4518

ATTN: Chuck Schmaltz

### **Simpson Trust #1**

#### **12 9s 18w Rooks,KS**

Start Date: 2014.05.01 @ 13:56:00

End Date: 2014.05.01 @ 21:30:00

Job Ticket #: 58857                      DST #: 7

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

Printed: 2014.05.02 @ 14:55:24

Gore Oil Company  
12 9s 18w Rooks,KS  
Simpson Trust #1  
DST # 7  
Arbuckle  
2014.05.01



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Gore Oil Company

**12 9s 18w Rooks,KS**

PO Box 2757  
Wichita KS 67202-4518

**Simpson Trust #1**

Job Ticket: 58857

**DST#: 7**

ATTN: Chuck Schmalz

Test Start: 2014.05.01 @ 13:56:00

## GENERAL INFORMATION:

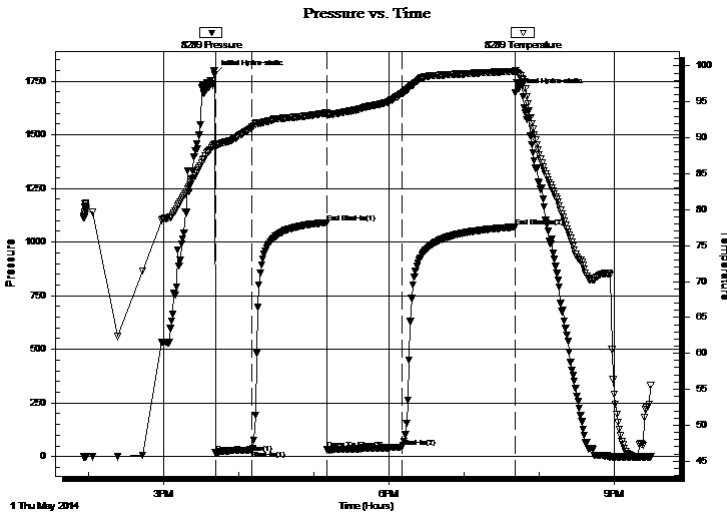
Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 15:41:15  
 Time Test Ended: 21:30:00  
 Interval: **3506.00 ft (KB) To 3526.00 ft (KB) (TVD)**  
 Total Depth: 3526.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Jim Svaty  
 Unit No: 76  
 Reference Elevations: 2072.00 ft (KB)  
 2062.00 ft (CF)  
 KB to GR/CF: 10.00 ft

## Serial #: 8289 Outside

Press@RunDepth: 43.41 psig @ 3507.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.05.01 End Date: 2014.05.01 Last Calib.: 2014.05.01  
 Start Time: 13:56:02 End Time: 21:29:45 Time On Btm: 2014.05.01 @ 15:41:00  
 Time Off Btm: 2014.05.01 @ 19:41:15

TEST COMMENT: 30-IFP- Surface Blow Building to 1 1/4"  
 60-ISIP- No Blow  
 60-FFP- Surface Blow in 13min. Building to 1 1/4".  
 90-FSIP- No Blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1781.18	89.12	Initial Hydro-static
1	17.03	88.66	Open To Flow (1)
30	30.76	91.48	Shut-In(1)
90	1090.94	93.44	End Shut-In(1)
90	32.77	93.13	Open To Flow (2)
150	43.41	96.14	Shut-In(2)
240	1070.55	99.25	End Shut-In(2)
241	1697.83	99.39	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	Oil Speck WCM 20%w 80%m	0.15
31.00	OWCM 5%o 20%w 75%m	0.43
4.00	CO 100%	0.06

\* Recovery from multiple tests

## Gas Rates

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



# TRILOBITE TESTING, INC

## DRILL STEM TEST REPORT

Gore Oil Company  
PO Box 2757  
Wichita KS 67202-4518  
ATTN: Chuck Schmaltz

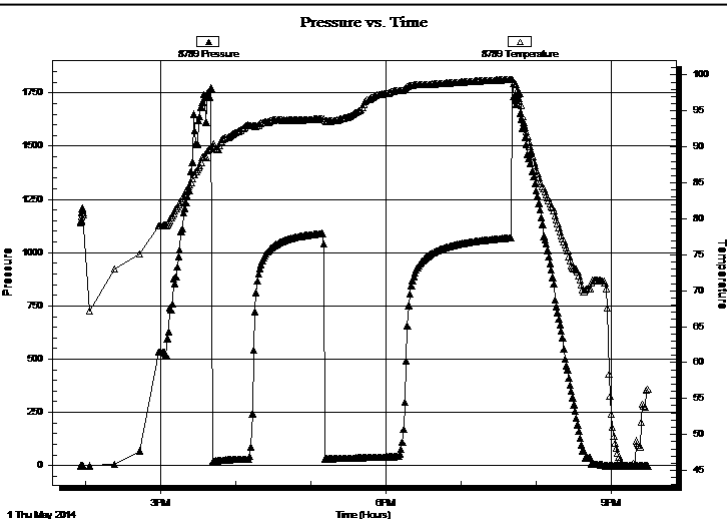
**12 9s 18w Rooks, KS**  
**Simpson Trust #1**  
Job Ticket: 58857      **DST#: 7**  
Test Start: 2014.05.01 @ 13:56:00

### GENERAL INFORMATION:

Formation: <b>Arbuckle</b>			
Deviated: No Whipstock:	ft (KB)	Test Type: Conventional Bottom Hole (Reset)	
Time Tool Opened: 15:41:15		Tester: Jim Svaty	
Time Test Ended: 21:30:00		Unit No: 76	
<b>Interval: 3506.00 ft (KB) To 3526.00 ft (KB) (TVD)</b>		Reference Elevations: 2072.00 ft (KB)	
Total Depth: 3526.00 ft (KB) (TVD)		2062.00 ft (CF)	
Hole Diameter: 7.88 inches	Hole Condition: Fair	KB to GR/CF: 10.00 ft	

<b>Serial #: 8789</b>	<b>Inside</b>			
Press@RunDepth:	psig @	3507.00 ft (KB)	Capacity:	8000.00 psig
Start Date:	2014.05.01	End Date:	2014.05.01	Last Calib.:
Start Time:	13:56:02	End Time:	21:29:30	Time On Btm:
				Time Off Btm:

**TEST COMMENT:** 30-IFP- Surface Blow Building to 1 1/4"  
 60-ISIP- No Blow  
 60-FFP- Surface Blow in 13min. Building to 1 1/4".  
 90-FSIP- No Blow



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

### Recovery

Length (ft)	Description	Volume (bbl)
30.00	Oil Speck WCM 20%w 80%m	0.15
31.00	OWCM 5%o 20%w 75%m	0.43
4.00	CO 100%	0.06

### Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Gore Oil Company

**12 9s 18w Rooks,KS**

PO Box 2757  
Wichita KS 67202-4518

**Simpson Trust #1**

Job Ticket: 58857

**DST#: 7**

ATTN: Chuck Schmaltz

Test Start: 2014.05.01 @ 13:56:00

## Tool Information

Drill Pipe:	Length: 3473.00 ft	Diameter: 3.80 inches	Volume: 48.72 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 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: 48000.00 lb
			<u>Total Volume: 48.87 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3506.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	43.00 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			3484.00	
Shut In Tool	5.00			3489.00	
Hydraulic tool	5.00			3494.00	
Safety Joint	2.00			3496.00	
Packer	5.00			3501.00	23.00 Bottom Of Top Packer
Packer	5.00			3506.00	
Stubb	1.00			3507.00	
Recorder	0.00	8789	Inside	3507.00	
Recorder	0.00	8289	Outside	3507.00	
Perforations	16.00			3523.00	
Bullnose	3.00			3526.00	20.00 Bottom Packers & Anchor

**Total Tool Length: 43.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Gore Oil Company

**12 9s 18w Rooks,KS**

PO Box 2757  
Wichita KS 67202-4518

**Simpson Trust #1**

Job Ticket: 58857

**DST#: 7**

ATTN: Chuck Schmaltz

Test Start: 2014.05.01 @ 13:56:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

20 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

20000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.75 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6100.00 ppm

Filter Cake: 4.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Oil Speck WCM 20%w 80%m	0.148
31.00	OWCM 5%o 20%w 75%m	0.435
4.00	CO 100%	0.056

Total Length: 65.00 ft      Total Volume: 0.639 bbl

Num Fluid Samples: 0

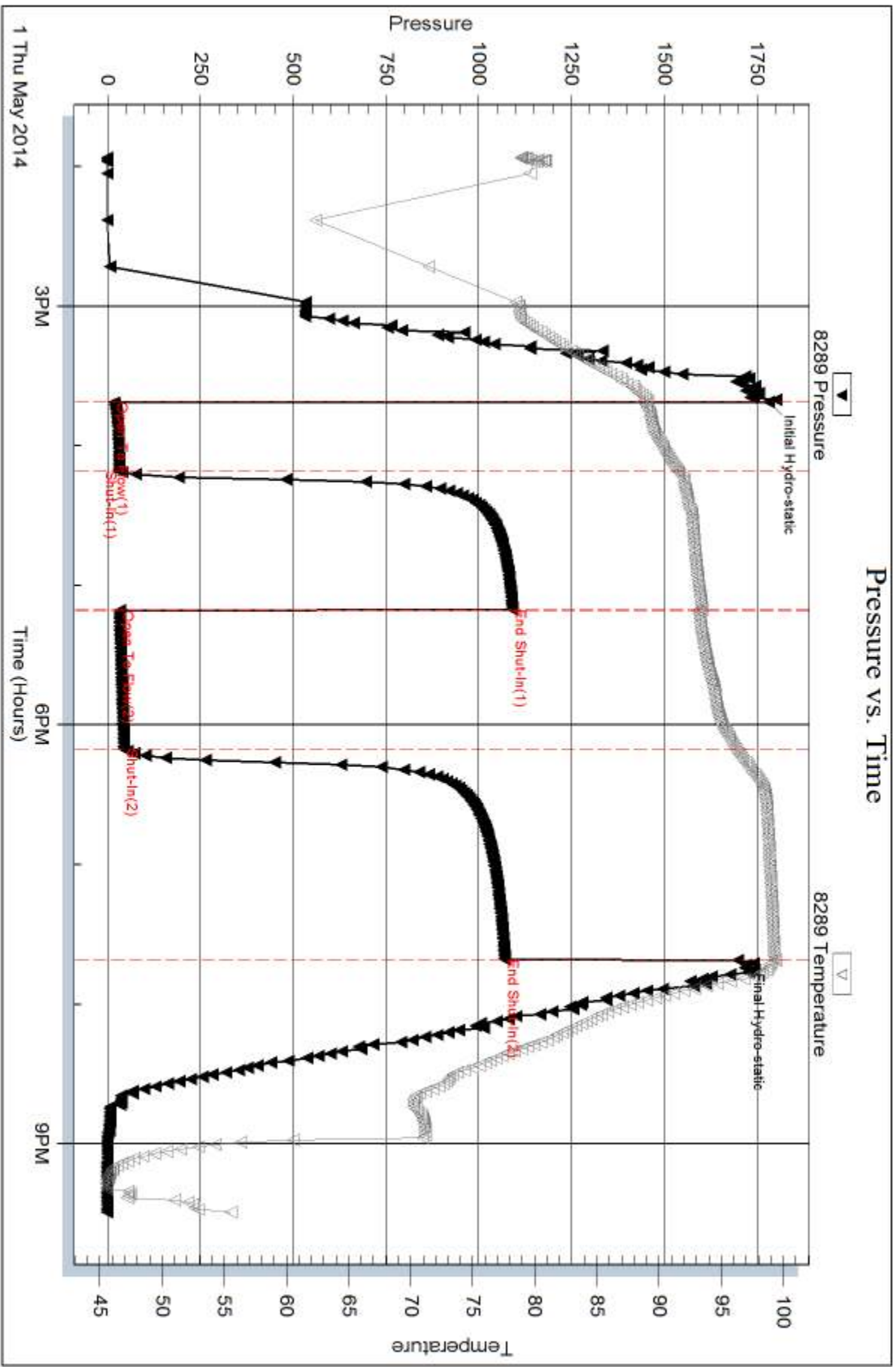
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .460 @ 50





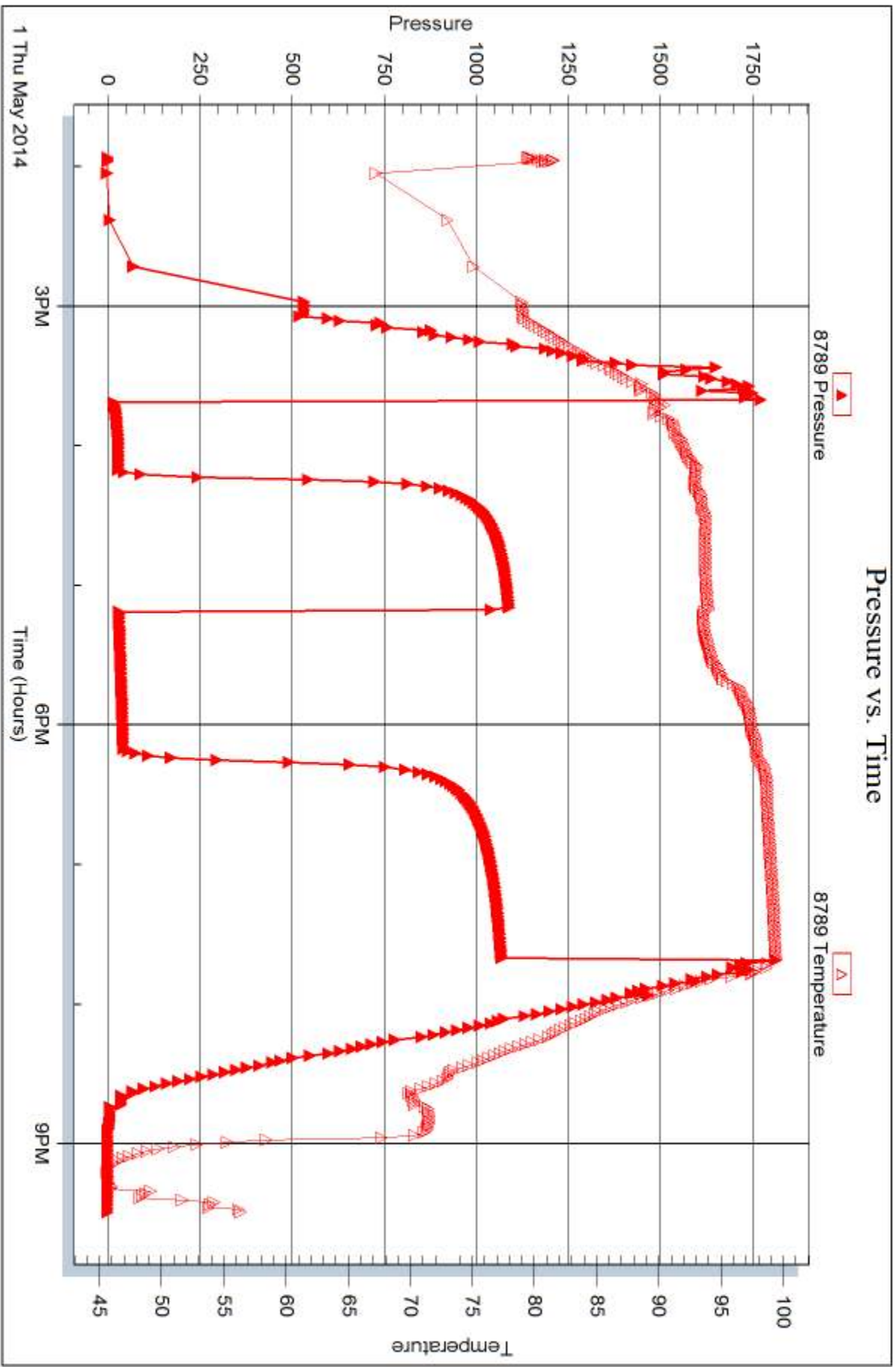
Serial #: 8789

Inside

Gore Oil Company

Simpson Trust #1

DST Test Number: 7



Trilobite Testing, Inc

Ref. No: 59857

Printed: 2014.05.02 @ 14:55:25



## DRILL STEM TEST REPORT

Prepared For: **Gore Oil Company**

PO Box 2757  
Wichita KS 67202-4518

ATTN: Chuck Schmaltz

### **Simpson Trust #1**

#### **12 9s 18w Rooks,KS**

Start Date: 2014.05.02 @ 04:40:00

End Date: 2014.05.02 @ 13:05:00

Job Ticket #: 58858                      DST #: 8

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.05.02 @ 14:54:41



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Gore Oil Company  
PO Box 2757  
Wichita KS 67202-4518  
ATTN: Chuck Schmalz

**12 9s 18w Rooks,KS**  
**Simpson Trust #1**  
Job Ticket: 58858      **DST#: 8**  
Test Start: 2014.05.02 @ 04:40:00

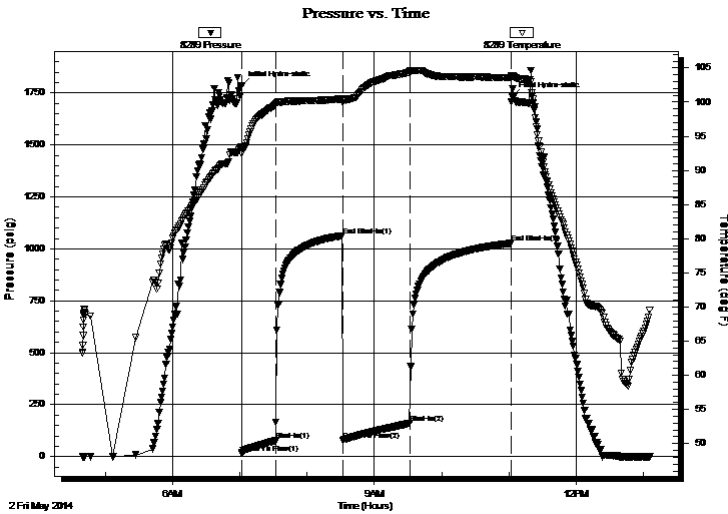
## GENERAL INFORMATION:

Formation:	<b>Arbuckle</b>				
Deviated:	No	Whipstock:		ft (KB)	Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened:	07:01:45				Tester: Jim Svaty
Time Test Ended:	13:05:00				Unit No: 76
<b>Interval:</b>	<b>3526.00 ft (KB) To</b>	<b>3548.00 ft (KB) (TVD)</b>			Reference Elevations: 2072.00 ft (KB)
Total Depth:	3548.00 ft (KB) (TVD)				2062.00 ft (CF)
Hole Diameter:	7.88 inches	Hole Condition:	Fair		KB to GR/CF: 10.00 ft

<b>Serial #: 8289</b>	<b>Outside</b>				
Press@RunDepth:	160.17 psig @	3527.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2014.05.02	End Date:	2014.05.02	Last Calib.:	2014.05.02
Start Time:	04:40:02	End Time:	13:05:15	Time On Btm:	2014.05.02 @ 07:01:30
				Time Off Btm:	2014.05.02 @ 11:02:30

**TEST COMMENT:** 30-IFP- BOB in 29 min.  
60-ISIP- No Blow  
60-FFP- BOB in 30 min.  
90-FSIP- No Blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1786.63	93.40	Initial Hydro-static
1	17.19	92.43	Open To Flow (1)
31	76.75	99.63	Shut-In(1)
90	1063.60	100.45	End Shut-In(1)
91	79.32	99.95	Open To Flow (2)
150	160.17	104.40	Shut-In(2)
241	1027.19	103.63	End Shut-In(2)
241	1733.88	103.76	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
125.00	MCW 15%w 85%w	1.48
62.00	WCM 35%w 65%w	0.87
63.00	WCM 15%w 85%w	0.88
70.00	Mud 100%	0.98

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Gore Oil Company  
PO Box 2757  
Wichita KS 67202-4518  
ATTN: Chuck Schmalz

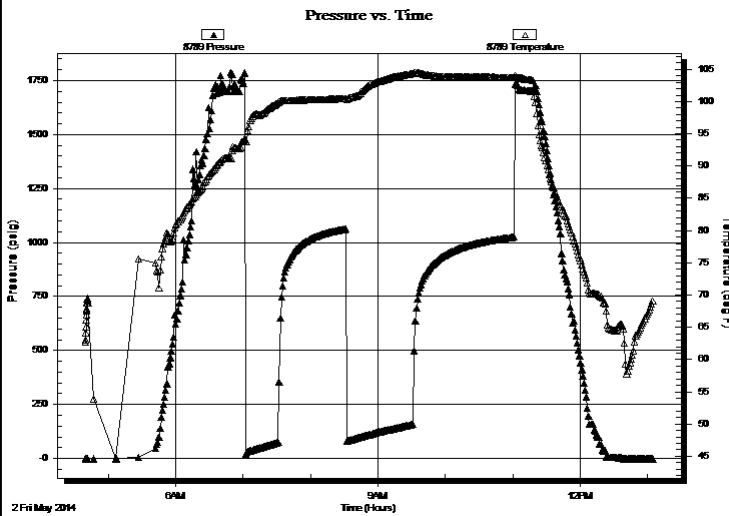
**12 9s 18w Rooks, KS**  
**Simpson Trust #1**  
Job Ticket: 58858 **DST#: 8**  
Test Start: 2014.05.02 @ 04:40:00

## GENERAL INFORMATION:

Formation: **Arbuckle**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 07:01:45  
Time Test Ended: 13:05:00  
Interval: **3526.00 ft (KB) To 3548.00 ft (KB) (TVD)**  
Total Depth: 3548.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Jim Svaty  
Unit No: 76  
Reference Elevations: 2072.00 ft (KB)  
2062.00 ft (CF)  
KB to GR/CF: 10.00 ft

**Serial #: 8789 Inside**  
Press@RunDepth: psig @ 3527.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2014.05.02 End Date: 2014.05.02 Last Calib.: 2014.05.02  
Start Time: 04:40:02 End Time: 13:05:00 Time On Btm:  
Time Off Btm:

TEST COMMENT: 30-IFP- BOB in 29 min.  
60-ISIP- No Blow  
60-FFP- BOB in 30 min.  
90-FSIP- No Blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

## Recovery

Length (ft)	Description	Volume (bbl)
125.00	MCW 15% m 85% w	1.48
62.00	WCM 35% w 65% m	0.87
63.00	WCM 15% w 85% m	0.88
70.00	Mud 100%	0.98

\* 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

**12 9s 18w Rooks,KS**

PO Box 2757  
Wichita KS 67202-4518

**Simpson Trust #1**

Job Ticket: 58858

**DST#: 8**

ATTN: Chuck Schmaltz

Test Start: 2014.05.02 @ 04:40:00

## Tool Information

Drill Pipe:	Length: 3505.00 ft	Diameter: 3.80 inches	Volume: 49.17 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 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: 48000.00 lb
			<u>Total Volume: 49.32 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3526.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	45.00 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			3504.00	
Shut In Tool	5.00			3509.00	
Hydraulic tool	5.00			3514.00	
Safety Joint	2.00			3516.00	
Packer	5.00			3521.00	23.00 Bottom Of Top Packer
Packer	5.00			3526.00	
Stubb	1.00			3527.00	
Recorder	0.00	8789	Inside	3527.00	
Recorder	0.00	8289	Outside	3527.00	
Perforations	18.00			3545.00	
Bullnose	3.00			3548.00	22.00 Bottom Packers & Anchor

**Total Tool Length: 45.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Gore Oil Company

**12 9s 18w Rooks,KS**

PO Box 2757  
Wichita KS 67202-4518

**Simpson Trust #1**

Job Ticket: 58858

**DST#: 8**

ATTN: Chuck Schmaltz

Test Start: 2014.05.02 @ 04:40:00

### 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:

28000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.71 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: 1.50 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
125.00	MCW 15% <i>m</i> 85% <i>w</i>	1.480
62.00	WCM 35% <i>w</i> 65% <i>m</i>	0.870
63.00	WCM 15% <i>w</i> 85% <i>m</i>	0.884
70.00	Mud 100%	0.982

Total Length: 320.00 ft

Total Volume: 4.216 bbl

Num Fluid Samples: 0

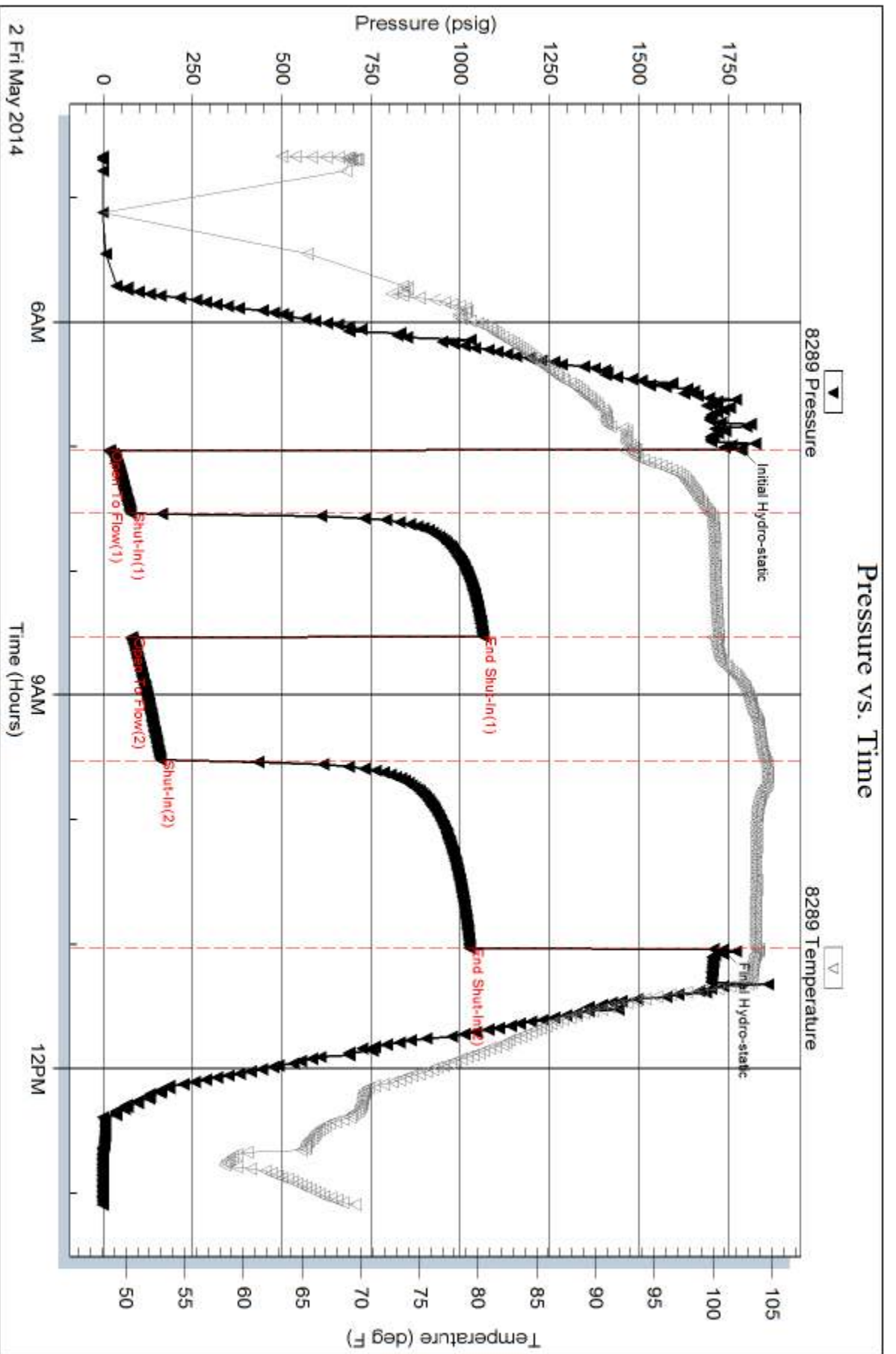
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .251 @ 71



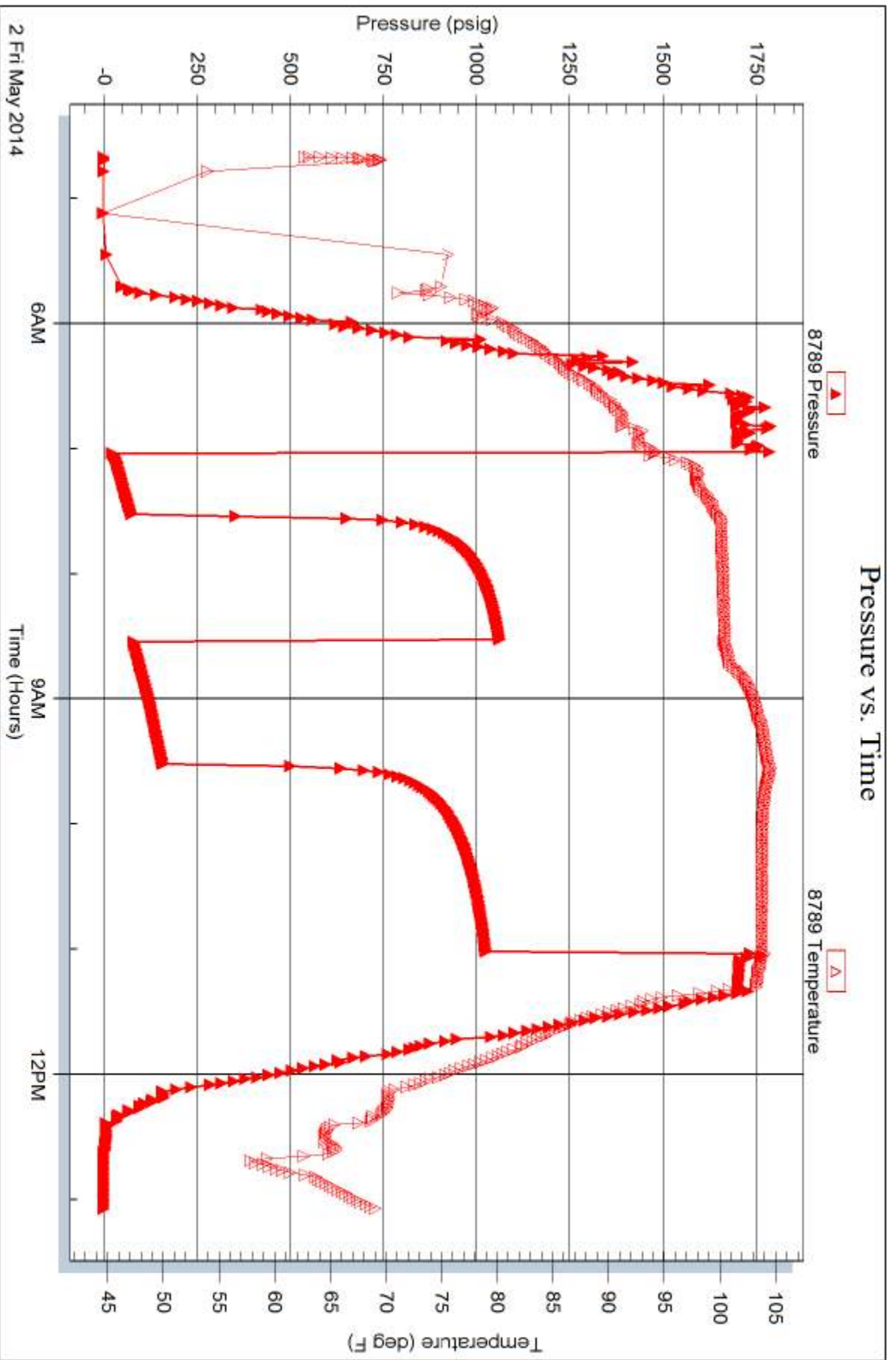
Serial #: 8789

Inside

Gore Oil Company

Simpson Trust#1

DST Test Number: 8



Trilobite Testing, Inc

Ref. No: 59858

Printed: 2014.05.02 @ 14:54:43





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 58851

4/10

Well Name & No. Simpson Tract #1 Test No. 1 Date 4-27-14  
 Company Dore Oil Company Elevation 2072 KB 2062 GL  
 Address P.O. Box 2757 Wichita KS 67202-4518  
 Co. Rep / Geo. Chuck Schmaltz Rig Maverick 108  
 Location: Sec. 12 Twp. 9<sup>s</sup> Rge. 18<sup>w</sup> Co. Rooks State KS

Interval Tested 3159 - 3280 Zone Tested LKC "A-C" Oread  
 Anchor Length 121 Drill Pipe Run 3130 Mud Wt. 8.6  
 Top Packer Depth 3154 Drill Collars Run 30 Vis 52  
 Bottom Packer Depth 3159 Wt. Pipe Run 0 WL 6.8  
 Total Depth 3280 Chlorides 2200 ppm System LCM 1.5

Blow Description IFP - BOB in 10min.  
ISIP - Surface Blow in 1min. Died in 1.2min.  
FFP - BOB in 8min.

FSIP - Surface Blow Building to 4in. in 18min. Died Back in 25min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>63</u>	<u>OMCW</u>	<u>5</u>	<u>55</u>	<u>40</u>	
<u>125</u>	<u>WOCM</u>	<u>25</u>	<u>15</u>	<u>60</u>	
<u>125</u>	<u>MCO</u>	<u>80</u>		<u>20</u>	
<u>50</u>	<u>CO</u>	<u>100</u>			
	<u>320 STIP</u>				

Rec Total 363 BHT 100 Gravity 34 API RW .245 @ 62 °F Chlorides 33000 ppm

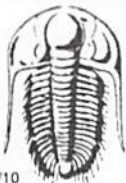
(A) Initial Hydrostatic 1560  Test 1150 T-On Location 10:30  
 (B) First Initial Flow 29  Jars \_\_\_\_\_ T-Started 13:00  
 (C) First Final Flow 87  Safety Joint 75 T-Open 15:07  
 (D) Initial Shut-In 1018  Circ Sub \_\_\_\_\_ T-Pulled 19:07  
 (E) Second Initial Flow 94  Hourly Standby \_\_\_\_\_ T-Out 21:09  
 (F) Second Final Flow 162  Mileage 62 RT 96.10  
 (G) Final Shut-In 996  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1522  Straddle \_\_\_\_\_

Initial Open 30  Shale Packer \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Initial Shut-In 60  Extra Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Final Flow 60  Extra Recorder \_\_\_\_\_  
 Final Shut-In 90  Day Standby \_\_\_\_\_  
 Sub Total 1321.10  Accessibility \_\_\_\_\_  
 Total 1321.10 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative [Signature]

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cell# 7856395864



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 58852

Well Name & No. Simpson Trust #1 Test No. 2 Date 4-28-14  
 Company Dore Oil Company Elevation 2072 KB 2062 GL  
 Address P.O. Box 2757 Wichita KS 67202-4518  
 Co. Rep / Geo. Chuck Schmalz Rig Maverick 108  
 Location: Sec. 12 Twp. 9<sup>s</sup> Rge. 18<sup>w</sup> Co. Rooks State KS

Interval Tested 3283-3315 Zone Tested LRC "D+E"  
 Anchor Length 32 Drill Pipe Run 3254 Mud Wt. 9.2  
 Top Packer Depth 3278 Drill Collars Run 30 Vis 49  
 Bottom Packer Depth 3283 Wt. Pipe Run 0 WL 6.8  
 Total Depth 3315 Chlorides 3800 ppm System LCM 4

Blow Description IFP - SURFACE Blow Building To 2 1/2 in.  
ISIP - No Blow  
FFP - 1 in. Blow in 30 sec. Died Back in 12 min. to 1/2 in.  
FSIP - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>45</u>	<u>DMCO</u>	<u>10</u>	<u>55</u>	<u>35</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 45 BHT 97 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1626  Test 1150 T-On Location 4:00  
 (B) First Initial Flow 12  Jars \_\_\_\_\_ T-Started 5:33  
 (C) First Final Flow 24  Safety Joint 75 T-Open 8:02  
 (D) Initial Shut-In 980  Circ Sub \_\_\_\_\_ T-Pulled 12:02  
 (E) Second Initial Flow 18  Hourly Standby \_\_\_\_\_ T-Out 14:11  
 (F) Second Final Flow 32  Mileage 62 RT 96.10 Comments \_\_\_\_\_  
 (G) Final Shut-In 972  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1595  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_

Initial Open 30  Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Initial Shut-In 60  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Final Flow 60  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Final Shut-In 90  Day Standby \_\_\_\_\_ Total 1321.10  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1321.10

Approved By \_\_\_\_\_ Our Representative [Signature]

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 58853

Well Name & No. Simpson Trust #1 Test No. 3 Date 4-28-14  
 Company More Oil Company Elevation 2072 KB 2062 GL  
 Address P.O. Box 2757 WICHITA KS 67202-4518  
 Co. Rep / Geo. Chuck Schmalz Rig Maverick 108  
 Location: Sec. 12 Twp. 9S Rge. 18W Co. ROOKS State KS

Interval Tested 3316-3352 Zone Tested LKC "F + D"  
 Anchor Length 36 Drill Pipe Run 3286 Mud Wt. 9.2  
 Top Packer Depth 3311 Drill Collars Run 30 Vis 52  
 Bottom Packer Depth 3316 Wt. Pipe Run 0 WL 7.0  
 Total Depth 3352 Chlorides 4000 ppm System LCM 4

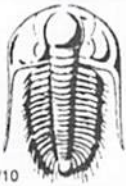
Blow Description IFP - BOB in 26 min.  
ISIP - No Blow  
FFP - BOB in 31 min.  
FSIP - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>340</u>	<u>mcw</u>		<u>85</u>	<u>15</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 340 BHT 102 Gravity \_\_\_\_\_ API RW 240 @ 40 ° F Chlorides 57000 ppm  
 (A) Initial Hydrostatic 1653  Test 1150 T-On Location 22:37  
 (B) First Initial Flow 16  Jars \_\_\_\_\_ T-Started 23:17  
 (C) First Final Flow 74  Safety Joint 75 T-Open 1:17  
 (D) Initial Shut-In 966  Circ Sub \_\_\_\_\_ T-Pulled 5:17  
 (E) Second Initial Flow 76  Hourly Standby \_\_\_\_\_ T-Out 7:21  
 (F) Second Final Flow 171  Mileage 96.10 Comments \_\_\_\_\_  
 (G) Final Shut-In 954  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1587  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_

Initial Open 30  
 Initial Shut-In 60  
 Final Flow 60  
 Final Shut-In 90  
 Sub Total 1321.10  
 Total 1321.10  
 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative [Signature]  
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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 58854

4/10

Well Name & No. Simpson Trust #1 Test No. 4 Date 4-29-14  
 Company Dore Oil Company Elevation 2072 KB 2062 GL  
 Address P.O. Box 2757 Wichita KS 67202-4518  
 Co. Rep / Geo. Chuck Schmitz Rig Maverick 108  
 Location: Sec. 12 Twp. 9S Rge. 18W Co. Rooks State KS

Interval Tested 3353-3400 Zone Tested LKC "H+I"  
 Anchor Length 47 Drill Pipe Run 3317 Mud Wt. 9.1  
 Top Packer Depth 3348 Drill Collars Run 30 Vis 48  
 Bottom Packer Depth 3353 Wt. Pipe Run 0 WL 8.8  
 Total Depth 3400 Chlorides 4000 ppm System LCM 4

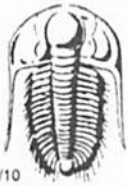
Blow Description IFP - BOB in 16 min.  
ISIP - No Blow  
FFP - BOB in 20 min.  
FSIP - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>65</u>	<u>WCM</u>		<u>30</u>	<u>70</u>	
<u>375</u>	<u>MCW</u>		<u>80</u>	<u>20</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 440 BHT 102 Gravity \_\_\_\_\_ API RW .190 @ 40 °F Chlorides 72500 ppm  
 (A) Initial Hydrostatic 1686  Test 1150 T-On Location 15:13  
 (B) First Initial Flow 23  Jars \_\_\_\_\_ T-Started 15:50  
 (C) First Final Flow 99  Safety Joint 75 T-Open 17:34  
 (D) Initial Shut-In 1001  Circ Sub \_\_\_\_\_ T-Pulled 21:34  
 (E) Second Initial Flow 102  Hourly Standby \_\_\_\_\_ T-Out 23:20  
 (F) Second Final Flow 229  Mileage 96.10 Comments \_\_\_\_\_  
 (G) Final Shut-In 979  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1643  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_ Sub Total 0  
 Day Standby \_\_\_\_\_ Total 1321.10  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_

Initial Open 30  
 Initial Shut-In 60  
 Final Flow 60  
 Final Shut-In 90  
 Sub Total 1321.10

Approved By \_\_\_\_\_ Our Representative [Signature]  
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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 58855

Well Name & No. Simpson Trust #1 Test No. 5 Date 4-30-14  
 Company Dere Oil Company Elevation 2072 KB 2062 GL  
 Address P.O. Box 2757 Wichita KS 67202-4518  
 Co. Rep / Geo. Chuck Schmalz Rig Maverick 108  
 Location: Sec. 12 Twp. 9<sup>s</sup> Rge. 18<sup>w</sup> Co. Rooks State KS

Interval Tested 3399-3460 Zone Tested LKC "I-L"  
 Anchor Length 61 Drill Pipe Run 3379 Mud Wt. 9.0  
 Top Packer Depth 3394 Drill Collars Run 30 Vis 52  
 Bottom Packer Depth 3399 Wt. Pipe Run ⊖ WL 8.0  
 Total Depth 3460 Chlorides 5500 ppm System LCM 4

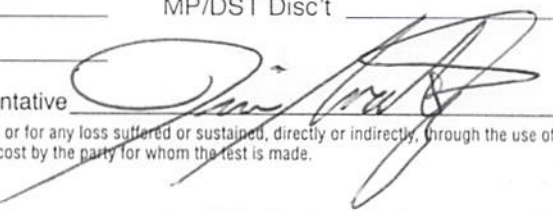
Blow Description IFP - Surface Blow Building to 3 1/4 in.  
ISIP - No Blow  
FFP - Surface Blow Building to 2 3/4 in.  
FSIP - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>62</u>	<u>Oil speck mud</u>			<u>100</u>	
<u>3</u>	<u>WOCM</u>	<u>15</u>	<u>5</u>	<u>80</u>	
<u>3</u>	<u>CO</u>	<u>100</u>			

Rec Total 68 BHT 96 Gravity 30 API RW @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1723  Test 1150 T-On Location 7:55  
 (B) First Initial Flow 16  Jars \_\_\_\_\_ T-Started 8:16  
 (C) First Final Flow 39  Safety Joint 75 T-Open 10:07  
 (D) Initial Shut-In 984  Circ Sub \_\_\_\_\_ T-Pulled 14:07  
 (E) Second Initial Flow 41  Hourly Standby \_\_\_\_\_ T-Out 15:51  
 (F) Second Final Flow 47  Mileage 96.10 Comments \_\_\_\_\_  
 (G) Final Shut-In 964  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1679  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_ Sub Total 0  
 Day Standby \_\_\_\_\_ Total 1321.10  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_

Initial Open 30  
 Initial Shut-In 60  
 Final Flow 60  
 Final Shut-In 90  
 Sub Total 1321.10

Approved By \_\_\_\_\_ Our Representative 

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 58856

Well Name & No. Simpson Trust #1 Test No. 6 Date 4-30-14  
 Company Dare Oil Company Elevation 2072 KB 2062 GL  
 Address P.O. Box 2757 - Wichita KS 67202-4518  
 Co. Rep / Geo. Chuck Schmaltz Rig Maverick 108  
 Location: Sec. 12 Twp. 9<sup>s</sup> Rge. 18<sup>w</sup> Co. Rooks State KS

Interval Tested 3490 - 3506 Zone Tested Arbuckle  
 Anchor Length 16 Drill Pipe Run 3442 Mud Wt. 9.0  
 Top Packer Depth 3485 Drill Collars Run 30 Vis 52  
 Bottom Packer Depth 3490 Wt. Pipe Run Ø WL 8.0  
 Total Depth 3506 Chlorides 5500 ppm System LCM 4

Blow Description IFF - Surface Blow Building to lin. in 15 min.  
ISIP - No Blow  
FFP - Surface Blow  
FSIP - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>52</u>	<u>OCM</u>				
<u>3</u>	<u>Heavy Clear Oil</u>		<u>100</u>		

Rec Total 55 BHT 99 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1772  Test 1150 T-On Location 23:07  
 (B) First Initial Flow 14  Jars \_\_\_\_\_ T-Started 23:30  
 (C) First Final Flow 20  Safety Joint 75 T-Open 1:37  
 (D) Initial Shut-In 1063  Circ Sub \_\_\_\_\_ T-Pulled 5:37  
 (E) Second Initial Flow 26  Hourly Standby \_\_\_\_\_ T-Out 7:22  
 (F) Second Final Flow 28  Mileage 96.10 Comments \_\_\_\_\_  
 (G) Final Shut-In 1036  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1684  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Initial Open 30  Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Initial Shut-In 60  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Final Flow 60  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Final Shut-In 90  Day Standby \_\_\_\_\_ Total 1321.10  
 Sub Total 1321.10  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative [Signature]  
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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 58857

Well Name & No. Simpson Trust #1 Test No. 7 Date 5-1-14  
 Company Dore Oil Company Elevation 2072 KB 2062 GL  
 Address P.O. Box 2757 Wichita KS. 67202-4518  
 Co. Rep / Geo. Chuck Schmatz Rig Maverick 108  
 Location: Sec. 12 Twp. 9S Rge. 18W Co. Rooks State KS

Interval Tested 3506-3526 Zone Tested Arbuckle  
 Anchor Length 20 Drill Pipe Run 3473 Mud Wt. 9.1  
 Top Packer Depth 3501 Drill Collars Run 30 Vis 50  
 Bottom Packer Depth 3506 Wt. Pipe Run 01 WL 10.8  
 Total Depth 3526 Chlorides 6100 ppm System LCM 4

Blow Description IFP - Surface Blow Building to 1 1/4 in.  
ISIP - No Blow  
FSP - Surface Blow in 13 min. Building to 1 1/4 in.  
FSIP - No Blow

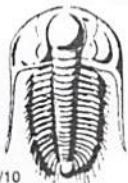
Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>Oil Speck WCM</u>		<u>20</u>	<u>80</u>	
<u>31</u>	<u>OWCM</u>	<u>5</u>	<u>20</u>	<u>75</u>	
<u>4</u>	<u>CO</u>	<u>100</u>			

Rec Total 65 BHT 99 Gravity 20 API RW 1460 @ 50 ° F Chlorides 20000 ppm  
 (A) Initial Hydrostatic 1781  Test 1150 T-On Location 13:15  
 (B) First Initial Flow 17  Jars \_\_\_\_\_ T-Started 13:56  
 (C) First Final Flow 30  Safety Joint 75 T-Open 15:41  
 (D) Initial Shut-In 1090  Circ Sub \_\_\_\_\_ T-Pulled 19:41  
 (E) Second Initial Flow 32  Hourly Standby \_\_\_\_\_ T-Out 21:30  
 (F) Second Final Flow 43  Mileage 96.10 Comments \_\_\_\_\_  
 (G) Final Shut-In 1070  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1697  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_ Sub Total 0  
 Day Standby \_\_\_\_\_ Total 1321.10  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_

Initial Open 30  
 Initial Shut-In 60  
 Final Flow 60  
 Final Shut-In 90  
 Sub Total 1321.10

Approved By \_\_\_\_\_ Our Representative [Signature]

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 58858

Well Name & No. Simpson Trust #1 Test No. 8 Date 5-2-14  
 Company Dore Oil Company Elevation 2072 KB 2062 GL  
 Address P.O. Box 2757 WICHITA KS 67202-4518  
 Co. Rep / Geo. Chuck Schmalz Rig MAVERICK 108  
 Location: Sec. 12 Twp. 9<sup>S</sup> Rge. 18<sup>W</sup> Co. Rooks State KS

Interval Tested 3526-3548 Zone Tested Arbuckle  
 Anchor Length 22 Drill Pipe Run 3505 Mud Wt. 9.1  
 Top Packer Depth 3521 Drill Collars Run 30 Vis 56  
 Bottom Packer Depth 3526 Wt. Pipe Run 0 WL 10.8  
 Total Depth 3548 Chlorides 4000 ppm System LCM 4

Blow Description IFP- BOB 29min  
ISIP- No Blow  
FFP- BOB in 30min  
FSIP- No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>125</u>	<u>mcw</u>		<u>85</u>	<u>15</u>	
<u>62</u>	<u>wcm</u>		<u>35</u>	<u>65</u>	
<u>63</u>	<u>wcm</u>		<u>15</u>	<u>85</u>	
<u>70</u>	<u>mud</u>			<u>100</u>	

Rec Total 320 BHT 103 Gravity API RW 251 @ 71 °F Chlorides 28000 ppm

(A) Initial Hydrostatic <u>1786</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>3:57</u>
(B) First Initial Flow <u>17</u>	<input type="checkbox"/> Jars	T-Started <u>4:40</u>
(C) First Final Flow <u>76</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>7:02</u>
(D) Initial Shut-In <u>1063</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>11:02</u>
(E) Second Initial Flow <u>79</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>13:05</u>
(F) Second Final Flow <u>160</u>	<input checked="" type="checkbox"/> Mileage <u>96.10</u>	Comments
(G) Final Shut-In <u>1027</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1733</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer

Initial Open 30  
 Initial Shut-In 60  
 Final Flow 60  
 Final Shut-In 90

Sub Total 1321.10

MP/DST Disc't

Approved By \_\_\_\_\_ Our Representative [Signature]

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