



## DRILL STEM TEST REPORT

Prepared For: **Stelbar Oil Corp**

1625 N Waterfront PKWY  
Wichita, KS 67206-6602

ATTN: Dave Goldak

### **Russell #1-18**

#### **18-16s-31w Scott,KS**

Start Date: 2013.12.04 @ 22:11:01

End Date: 2013.12.05 @ 08:10:01

Job Ticket #: 54667                      DST #: 1

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

Printed: 2013.12.11 @ 16:25:47



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Stelbar Oil Corp  
 1625 N Waterfront PKWY  
 Wichita, KS 67206-6602  
 ATTN: Dave Goldak

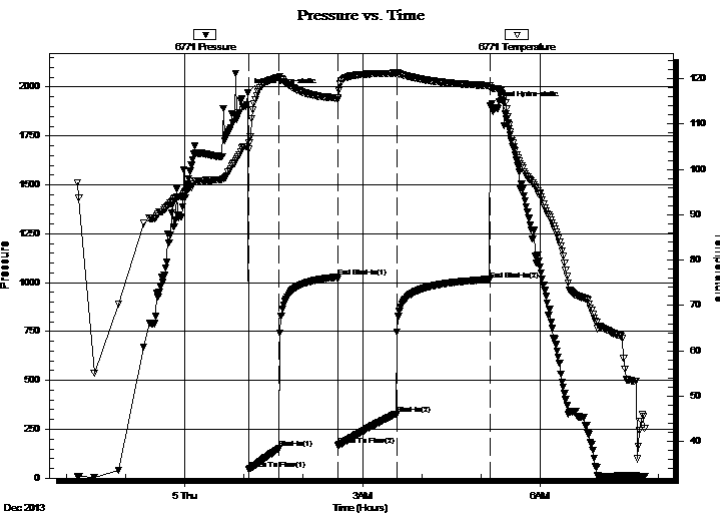
**18-16s-31w Scott,KS**  
**Russell #1-18**  
 Job Ticket: 54667 **DST#: 1**  
 Test Start: 2013.12.04 @ 22:11:01

## GENERAL INFORMATION:

Formation: **KC**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 01:04:31  
 Time Test Ended: 08:10:01  
 Interval: **3970.00 ft (KB) To 3996.00 ft (KB) (TVD)**  
 Total Depth: 3996.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Shane McBride  
 Unit No: 55  
 Reference Elevations: 2936.00 ft (KB)  
 2929.00 ft (CF)  
 KB to GR/CF: 7.00 ft

**Serial #: 6771 Inside**  
 Press@RunDepth: 328.26 psig @ 3971.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.12.04 End Date: 2013.12.05 Last Calib.: 2013.12.05  
 Start Time: 22:11:01 End Time: 07:47:01 Time On Btm: 2013.12.05 @ 01:04:01  
 Time Off Btm: 2013.12.05 @ 05:10:01

TEST COMMENT: B.O.B. in 18 min.  
 No return  
 B.O.B. in 23 min.  
 No return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1969.44	104.98	Initial Hydro-static
1	46.53	104.44	Open To Flow (1)
32	151.66	120.29	Shut-In(1)
91	1028.69	115.69	End Shut-In(1)
92	168.43	115.32	Open To Flow (2)
151	328.26	121.22	Shut-In(2)
245	1016.02	118.44	End Shut-In(2)
246	1906.40	118.01	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
420.00	water 100%w	5.89
120.00	s m c w 10%m 90%w	1.68
120.00	m c w w/oil spots on top 30%m 70%w	1.68
0.00	show of free oil in tool	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Stelbar Oil Corp  
1625 N Waterfront PKWY  
Wichita, KS 67206-6602  
ATTN: Dave Goldak

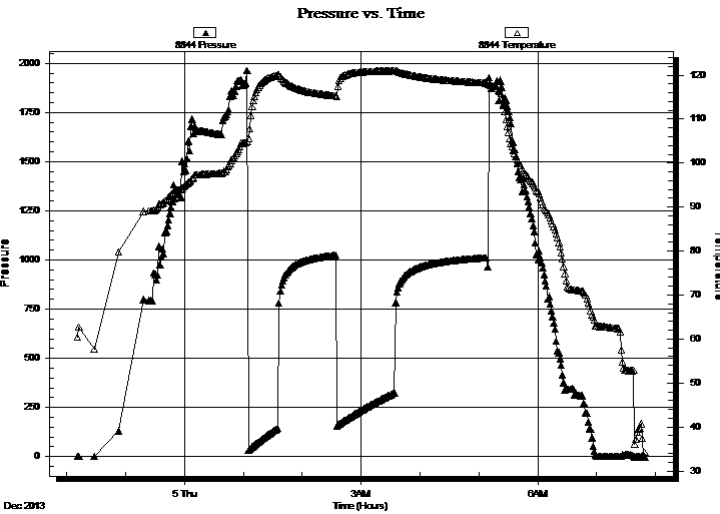
**18-16s-31w Scott, KS**  
**Russell #1-18**  
Job Ticket: 54667 **DST#: 1**  
Test Start: 2013.12.04 @ 22:11:01

## GENERAL INFORMATION:

Formation: **KC**  
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)  
Time Tool Opened: 01:04:31 Tester: Shane McBride  
Time Test Ended: 08:10:01 Unit No: 55  
**Interval: 3970.00 ft (KB) To 3996.00 ft (KB) (TVD)** Reference Elevations: 2936.00 ft (KB)  
Total Depth: 3996.00 ft (KB) (TVD) 2929.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 7.00 ft

**Serial #: 8844 Outside**  
Press@RunDepth: psig @ 3971.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2013.12.04 End Date: 2013.12.05 Last Calib.: 2013.12.05  
Start Time: 22:11:09 End Time: 07:49:39 Time On Btm:  
Time Off Btm:

**TEST COMMENT:** B.O.B. in 18 min.  
No return  
B.O.B. in 23 min.  
No return



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
420.00	water 100%w	5.89
120.00	s m c w 10%m 90%w	1.68
120.00	m c w w/oil spots on top 30%m 70%w	1.68
0.00	show of free oil in tool	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Stelbar Oil Corp

**18-16s-31w Scott,KS**

1625 N Waterfront PKWY  
Wichita, KS 67206-6602

**Russell #1-18**

Job Ticket: 54667

**DST#: 1**

ATTN: Dave Goldak

Test Start: 2013.12.04 @ 22:11:01

## Tool Information

Drill Pipe:	Length: 3964.00 ft	Diameter: 3.80 inches	Volume: 55.60 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 55.60 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	3970.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	56.00 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			3941.00	
Shut In Tool	5.00			3946.00	
Sampler	2.00			3948.00	
Hydraulic tool	5.00			3953.00	
Jars	5.00			3958.00	
Safety Joint	3.00			3961.00	
Packer	5.00			3966.00	30.00 Bottom Of Top Packer
Packer	4.00			3970.00	
Stubb	1.00			3971.00	
Recorder	0.00	6771	Inside	3971.00	
Recorder	0.00	8844	Outside	3971.00	
Perforations	20.00			3991.00	
Bullnose	5.00			3996.00	26.00 Bottom Packers & Anchor

**Total Tool Length: 56.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Stelbar Oil Corp

**18-16s-31w Scott,KS**

1625 N Waterfront PKWY  
Wichita, KS 67206-6602

**Russell #1-18**

Job Ticket: 54667

**DST#: 1**

ATTN: Dave Goldak

Test Start: 2013.12.04 @ 22:11:01

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

31500 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.53 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1600.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
420.00	w ater 100%w	5.891
120.00	s m c w 10%m 90%w	1.683
120.00	m c w w /oil spots on top 30%m 70%w	1.683
0.00	show of free oil in tool	0.000

Total Length: 660.00 ft      Total Volume: 9.257 bbl

Num Fluid Samples: 0

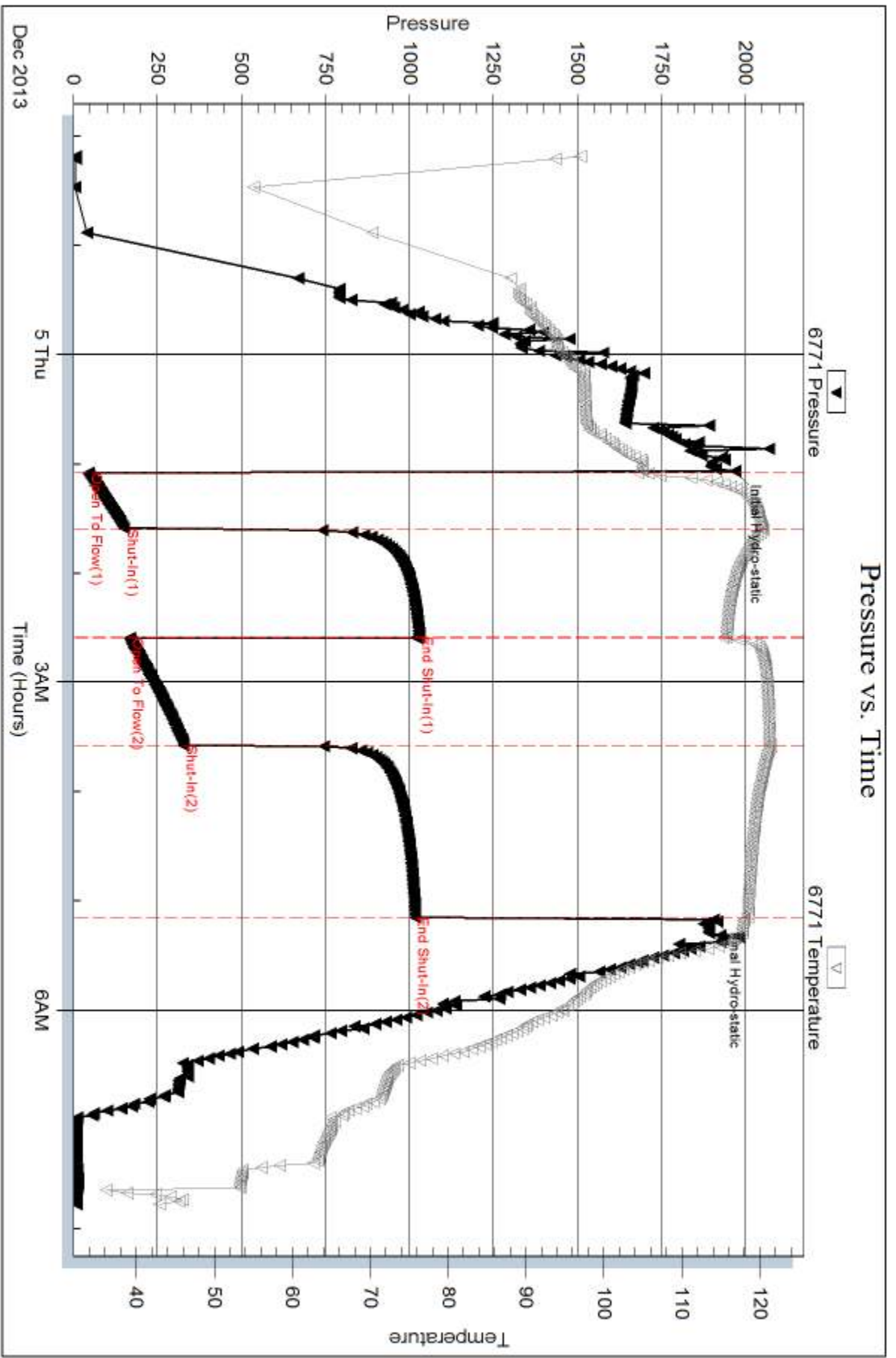
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: sampler 1900 ml w ater 100ml oil 260 psi  
rw .215 @ 73\*f = 31,500 chlor

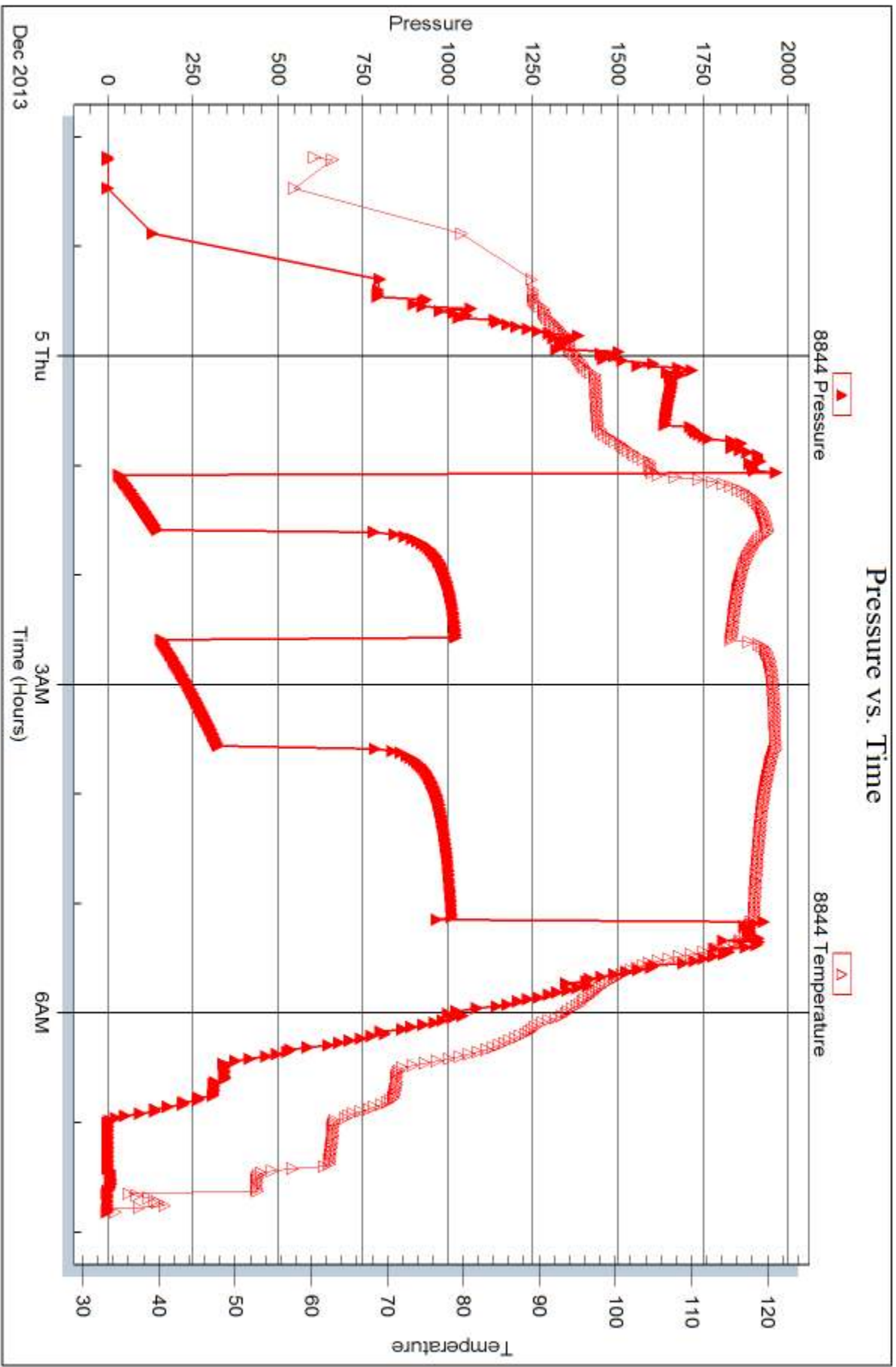


Serial #: 8844

Outside Stellar Oil Corp

Russell #1-18

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 54667

Printed: 2013.12.11 @ 16:25:49



## DRILL STEM TEST REPORT

Prepared For: **Stelbar Oil Corp**

1625 N Waterfront PKWY  
Wichita, KS 67206-6602

ATTN: Dave Goldak

### **Russell #1-18**

#### **18-16s-31w Scott,KS**

Start Date: 2013.12.05 @ 18:45:47

End Date: 2013.12.06 @ 03:10:02

Job Ticket #: 54668                      DST #: 2

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

Printed: 2013.12.11 @ 16:25:15





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Stelbar Oil Corp  
1625 N Waterfront PKWY  
Wichita, KS 67206-6602  
ATTN: Dave Goldak

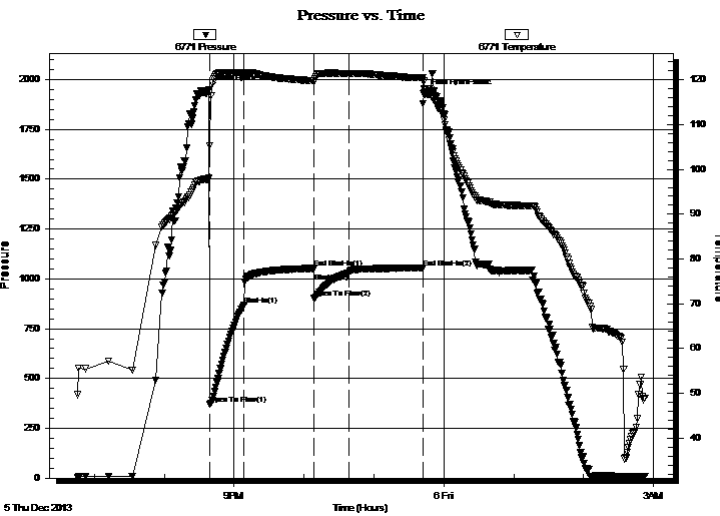
**18-16s-31w Scott,KS**  
**Russell #1-18**  
Job Ticket: 54668 **DST#: 2**  
Test Start: 2013.12.05 @ 18:45:47

## GENERAL INFORMATION:

Formation: **C**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 20:39:17  
Time Test Ended: 03:10:02  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Shane McBride  
Unit No: 55  
Interval: **3996.00 ft (KB) To 4018.00 ft (KB) (TVD)**  
Reference Elevations: 2936.00 ft (KB)  
Total Depth: 4018.00 ft (KB) (TVD) 2929.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 7.00 ft

**Serial #: 6771 Inside**  
Press@RunDepth: 1029.99 psig @ 3997.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2013.12.05 End Date: 2013.12.06 Last Calib.: 2013.12.06  
Start Time: 18:45:47 End Time: 02:53:02 Time On Btm: 2013.12.05 @ 20:38:32  
Time Off Btm: 2013.12.05 @ 23:42:32

TEST COMMENT: B.O.B. in 1 min.  
No return  
B.O.B. in 2 1/2 min.  
No return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1947.82	98.06	Initial Hydro-static
1	369.43	105.25	Open To Flow (1)
30	868.87	121.62	Shut-In(1)
90	1052.97	119.77	End Shut-In(1)
91	904.19	119.76	Open To Flow (2)
121	1029.99	121.45	Shut-In(2)
184	1055.52	120.47	End Shut-In(2)
184	1927.66	119.75	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
120.00	s m c w 15m 85w	1.68
120.00	w ater 100w	1.68
1750.00	w ater ( reversed out )	24.55
120.00	under circ sub w ater 100w	1.68

\* Recovery from multiple tests

## Gas Rates

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



# TRILOBITE TESTING, INC

## DRILL STEM TEST REPORT

Stelbar Oil Corp  
 1625 N Waterfront PKWY  
 Wichita, KS 67206-6602  
 ATTN: Dave Goldak

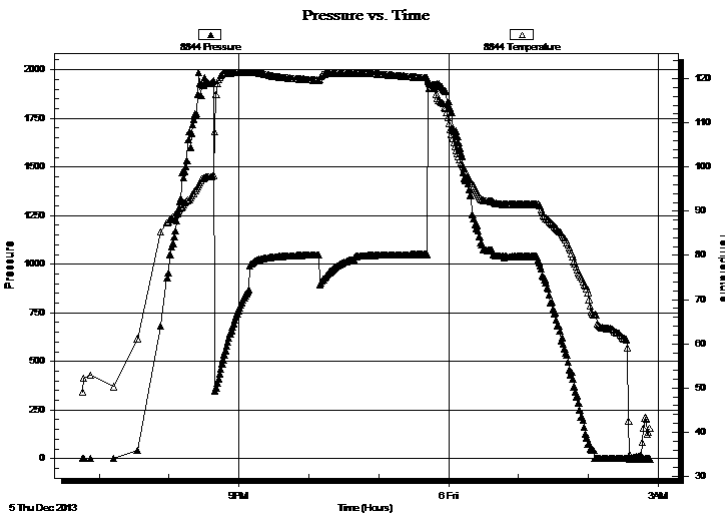
**18-16s-31w Scott,KS**  
**Russell #1-18**  
 Job Ticket: 54668 **DST#: 2**  
 Test Start: 2013.12.05 @ 18:45:47

### GENERAL INFORMATION:

Formation: <b>C</b>				Test Type: Conventional Bottom Hole (Reset)
Deviated: No Whipstock:	ft (KB)			Tester: Shane McBride
Time Tool Opened: 20:39:17				Unit No: 55
Time Test Ended: 03:10:02				
<b>Interval: 3996.00 ft (KB) To 4018.00 ft (KB) (TVD)</b>			Reference Elevations:	2936.00 ft (KB)
Total Depth: 4018.00 ft (KB) (TVD)				2929.00 ft (CF)
Hole Diameter: 7.88 inches	Hole Condition: Fair		KB to GR/CF:	7.00 ft

<b>Serial #: 8844</b>	<b>Outside</b>			Capacity: 8000.00 psig
Press@RunDepth: psig @ 3997.00 ft (KB)				Last Calib.: 2013.12.06
Start Date: 2013.12.05	End Date: 2013.12.06			Time On Btm:
Start Time: 18:45:57	End Time: 02:52:42			Time Off Btm:

TEST COMMENT: B.O.B. in 1 min.  
 No return  
 B.O.B. in 2 1/2 min.  
 No return



### PRESSURE SUMMARY

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

### Recovery

Length (ft)	Description	Volume (bbl)
120.00	s m c w 15m 85w	1.68
120.00	w ater 100w	1.68
1750.00	w ater ( reversed out )	24.55
120.00	under circ sub w ater 100w	1.68

### Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Stelbar Oil Corp

**18-16s-31w Scott,KS**

1625 N Waterfront PKWY  
Wichita, KS 67206-6602

**Russell #1-18**

Job Ticket: 54668

**DST#: 2**

ATTN: Dave Goldak

Test Start: 2013.12.05 @ 18:45:47

## Tool Information

Drill Pipe:	Length: 3997.00 ft	Diameter: 3.80 inches	Volume: 56.07 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 56.07 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	3996.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	52.00 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			3967.00	
Shut In Tool	5.00			3972.00	
Sampler	2.00			3974.00	
Hydraulic tool	5.00			3979.00	
Jars	5.00			3984.00	
Safety Joint	3.00			3987.00	
Packer	5.00			3992.00	30.00 Bottom Of Top Packer
Packer	4.00			3996.00	
Stubb	1.00			3997.00	
Recorder	0.00	6771	Inside	3997.00	
Recorder	0.00	8844	Outside	3997.00	
Perforations	16.00			4013.00	
Bullnose	5.00			4018.00	22.00 Bottom Packers & Anchor

**Total Tool Length: 52.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Stelbar Oil Corp

**18-16s-31w Scott,KS**

1625 N Waterfront PKWY  
Wichita, KS 67206-6602

**Russell #1-18**

Job Ticket: 54668

**DST#: 2**

ATTN: Dave Goldak

Test Start: 2013.12.05 @ 18:45:47

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

25500 ppm

Viscosity: 70.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.32 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2600.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	s m c w 15m 85w	1.683
120.00	w ater 100w	1.683
1750.00	w ater ( reversed out )	24.548
120.00	under circ sub w ater 100w	1.683

Total Length: 2110.00 ft      Total Volume: 29.597 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: sampler 2000 ml w ater

rw .271 @ 71\*f = 25,500chlor

Serial #: 6771

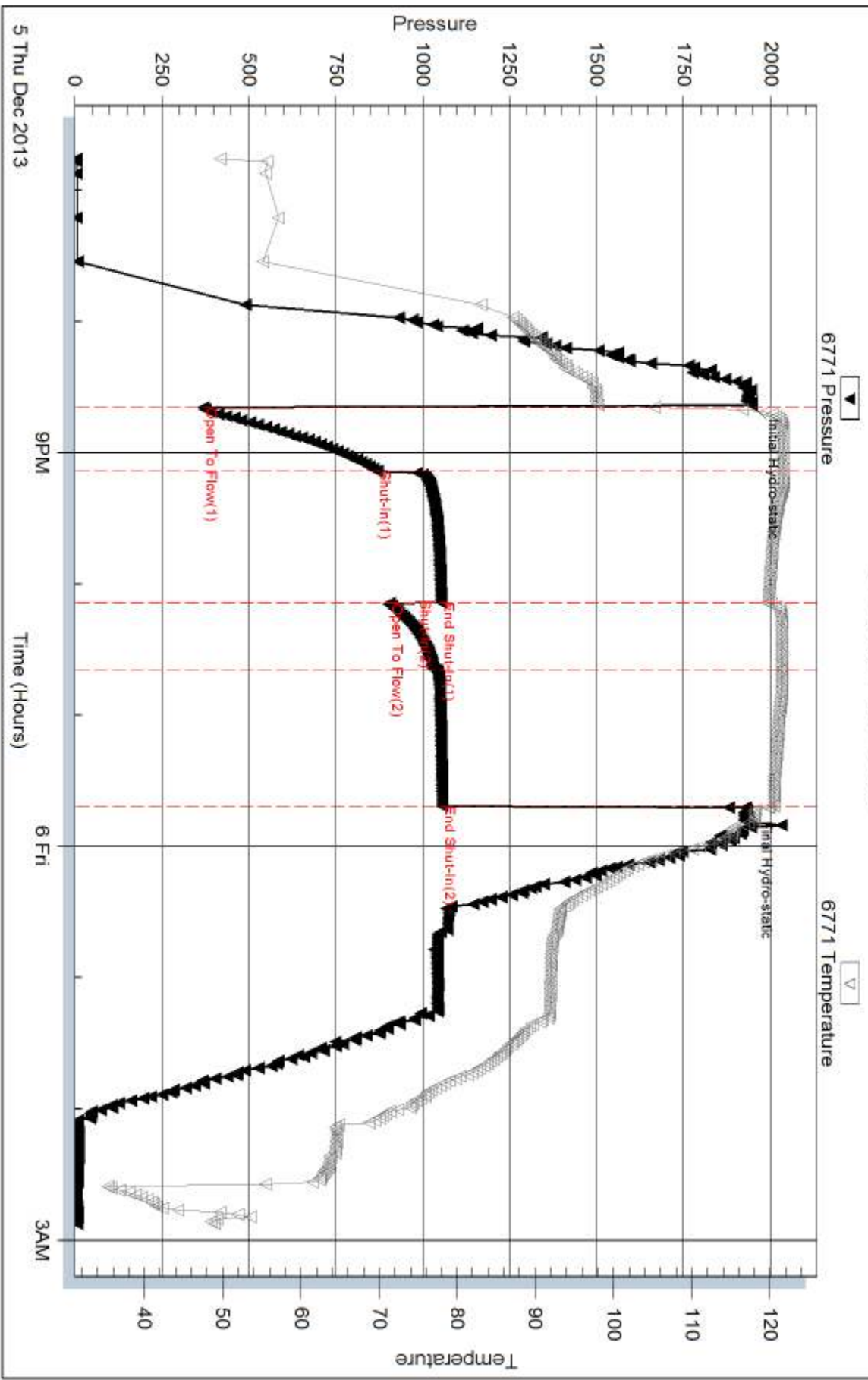
Inside

Stellar Oil Corp

Russell #1-18

DST Test Number: 2

### Pressure vs. Time

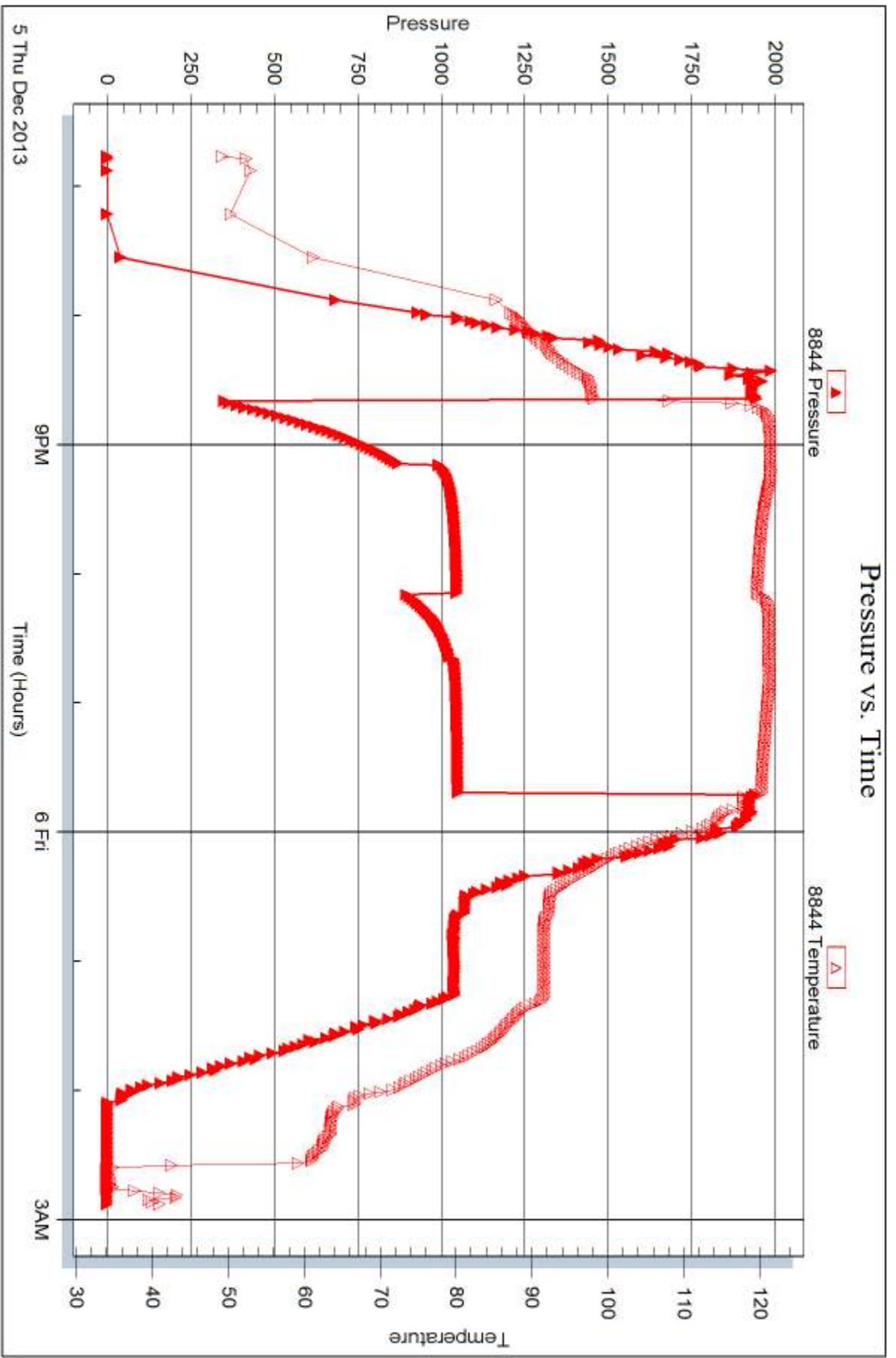


Serial #: 8844

Outside Stellar Oil Corp

Russel #1-18

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 54668

Printed: 2013.12.11 @ 16:25:17



## DRILL STEM TEST REPORT

Prepared For: **Stelbar Oil Corp**

1625 N Waterfront PKWY  
Wichita, KS 67206-6602

ATTN: Dave Goldak

### **Russell #1-18**

#### **18-16s-31w Scott,KS**

Start Date: 2013.12.06 @ 19:10:34

End Date: 2013.12.07 @ 01:40:19

Job Ticket #: 54669                      DST #: 3

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

Printed: 2013.12.11 @ 16:24:40



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Stelbar Oil Corp  
1625 N Waterfront PKWY  
Wichita, KS 67206-6602  
ATTN: Dave Goldak

**18-16s-31w Scott,KS**  
**Russell #1-18**  
Job Ticket: 54669 **DST#: 3**  
Test Start: 2013.12.06 @ 19:10:34

## GENERAL INFORMATION:

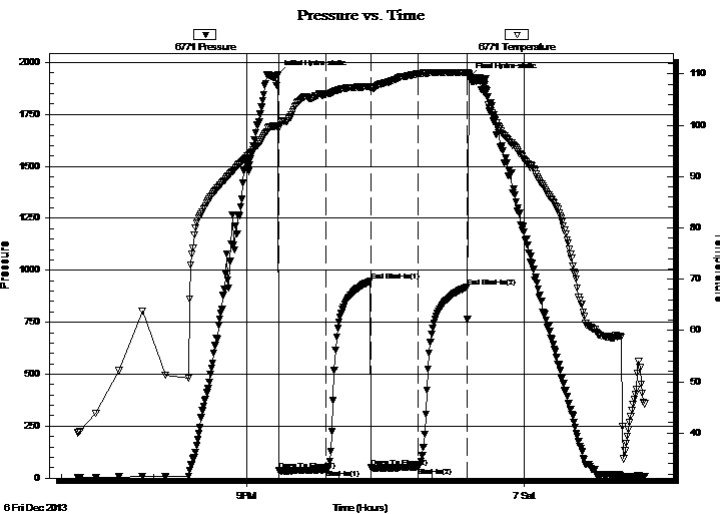
Formation: **D**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 21:20:49  
Time Test Ended: 01:40:19  
Interval: **4028.00 ft (KB) To 4046.00 ft (KB) (TVD)**  
Total Depth: 4046.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Shane McBride  
Unit No: 55  
Reference Elevations: 2936.00 ft (KB)  
2929.00 ft (CF)  
KB to GR/CF: 7.00 ft

## Serial #: 6771

Inside

Press@RunDepth: 53.92 psig @ 4029.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2013.12.06 End Date: 2013.12.07 Last Calib.: 2013.12.07  
Start Time: 19:10:34 End Time: 01:18:19 Time On Btm: 2013.12.06 @ 21:20:19  
Time Off Btm: 2013.12.06 @ 23:24:04

TEST COMMENT: 1 1/4 " blow  
No return  
1" blow  
No return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1940.61	99.89	Initial Hydro-static
1	39.23	99.39	Open To Flow (1)
31	41.84	106.05	Shut-In(1)
60	948.51	107.51	End Shut-In(1)
61	51.55	107.15	Open To Flow (2)
91	53.92	110.00	Shut-In(2)
123	920.33	110.28	End Shut-In(2)
124	1926.66	109.72	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	free oil 100%o	0.21
45.00	o c w m 10%o 30%w 60%m	0.63

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Stelbar Oil Corp  
1625 N Waterfront PKWY  
Wichita, KS 67206-6602  
ATTN: Dave Goldak

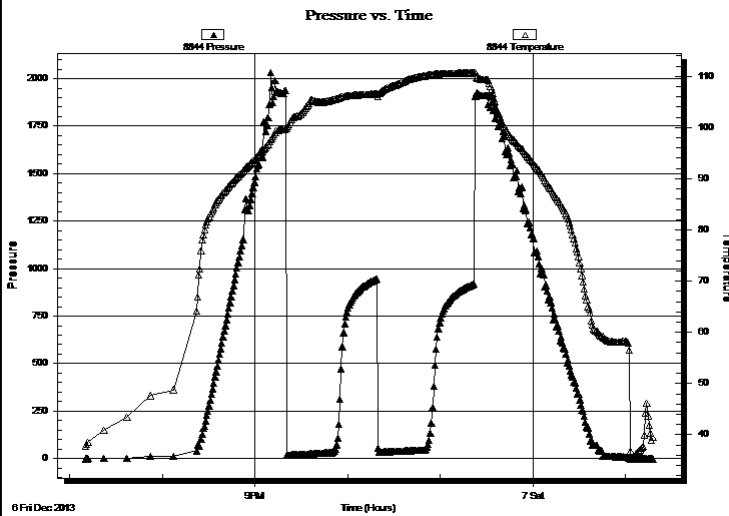
**18-16s-31w Scott,KS**  
**Russell #1-18**  
Job Ticket: 54669 **DST#: 3**  
Test Start: 2013.12.06 @ 19:10:34

## GENERAL INFORMATION:

Formation: **D**  
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)  
Time Tool Opened: 21:20:49 Tester: Shane McBride  
Time Test Ended: 01:40:19 Unit No: 55  
**Interval: 4028.00 ft (KB) To 4046.00 ft (KB) (TVD)** Reference Elevations: 2936.00 ft (KB)  
Total Depth: 4046.00 ft (KB) (TVD) 2929.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 7.00 ft

**Serial #: 8844 Outside**  
Press@RunDepth: psig @ 4029.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2013.12.06 End Date: 2013.12.07 Last Calib.: 2013.12.07  
Start Time: 19:10:20 End Time: 01:17:50 Time On Btm:  
Time Off Btm:

TEST COMMENT: 1 1/4 " blow  
No return  
1" blow  
No return



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	free oil 100%o	0.21
45.00	o c w m 10%o 30%w 60%m	0.63

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Stelbar Oil Corp

**18-16s-31w Scott,KS**

1625 N Waterfront PKWY  
Wichita, KS 67206-6602

**Russell #1-18**

Job Ticket: 54669

**DST#: 3**

ATTN: Dave Goldak

Test Start: 2013.12.06 @ 19:10:34

## Tool Information

Drill Pipe:	Length: 4028.00 ft	Diameter: 3.80 inches	Volume: 56.50 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 56.50 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	4028.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	18.00 ft			
Tool Length:	48.00 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			3999.00	
Shut In Tool	5.00			4004.00	
Sampler	2.00			4006.00	
Hydraulic tool	5.00			4011.00	
Jars	5.00			4016.00	
Safety Joint	3.00			4019.00	
Packer	5.00			4024.00	30.00 Bottom Of Top Packer
Packer	4.00			4028.00	
Stubb	1.00			4029.00	
Recorder	0.00	6771	Inside	4029.00	
Recorder	0.00	8844	Outside	4029.00	
Perforations	12.00			4041.00	
Bullnose	5.00			4046.00	18.00 Bottom Packers & Anchor

**Total Tool Length: 48.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Stelbar Oil Corp

**18-16s-31w Scott,KS**

1625 N Waterfront PKWY  
Wichita, KS 67206-6602

**Russell #1-18**

Job Ticket: 54669

**DST#: 3**

ATTN: Dave Goldak

Test Start: 2013.12.06 @ 19:10:34

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

32 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

28000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.34 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	free oil 100%o	0.210
45.00	o c w m 10%o 30%w 60%m	0.631

Total Length: 60.00 ft      Total Volume: 0.841 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: sampler 400ml mud 700ml oil 900ml water 80psi  
rw .289@ 60\*f= 28,000 chlor

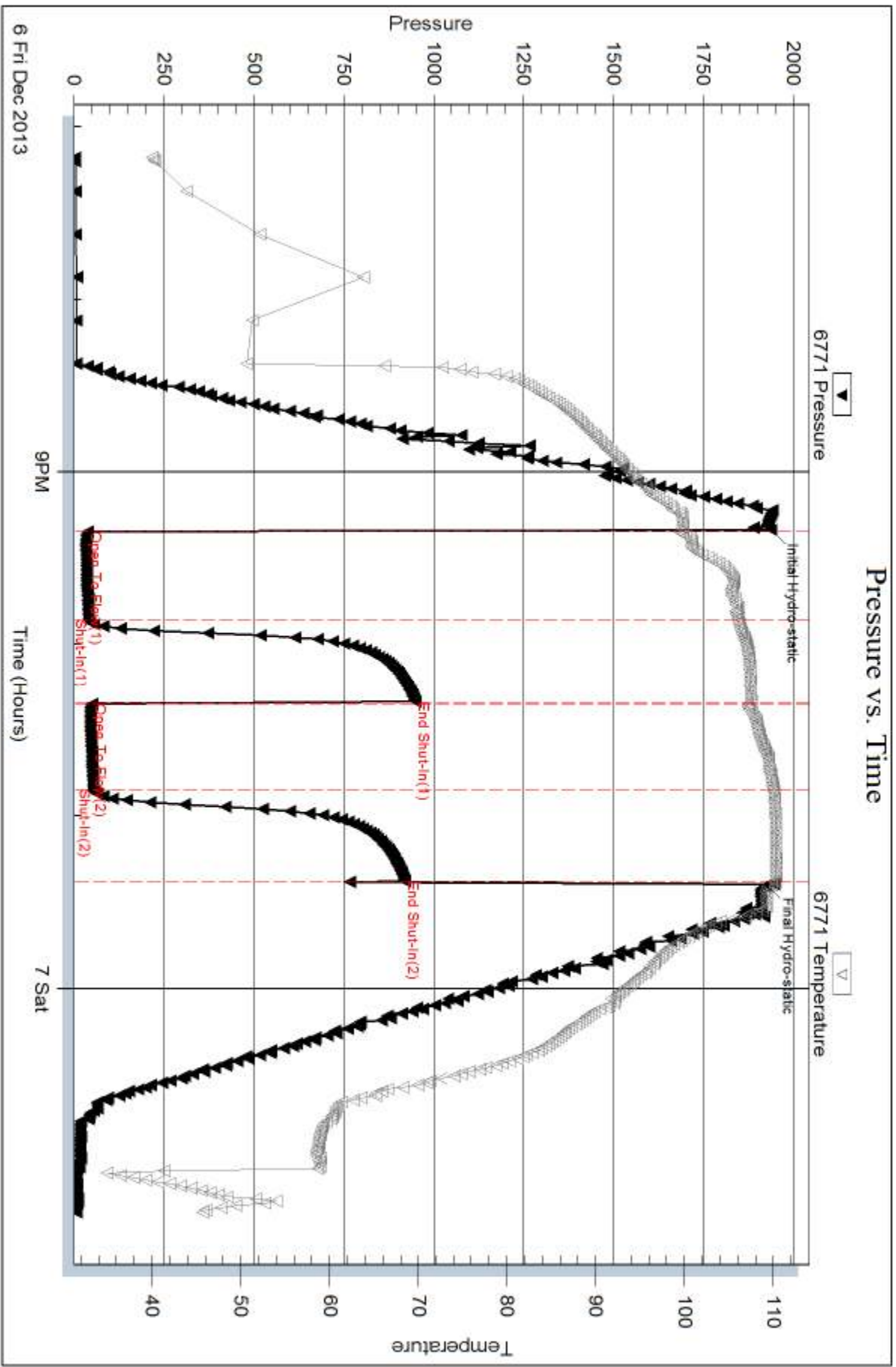
Serial #: 6771

Inside

Stelbar Oil Corp

Russell #1-18

DST Test Number: 3

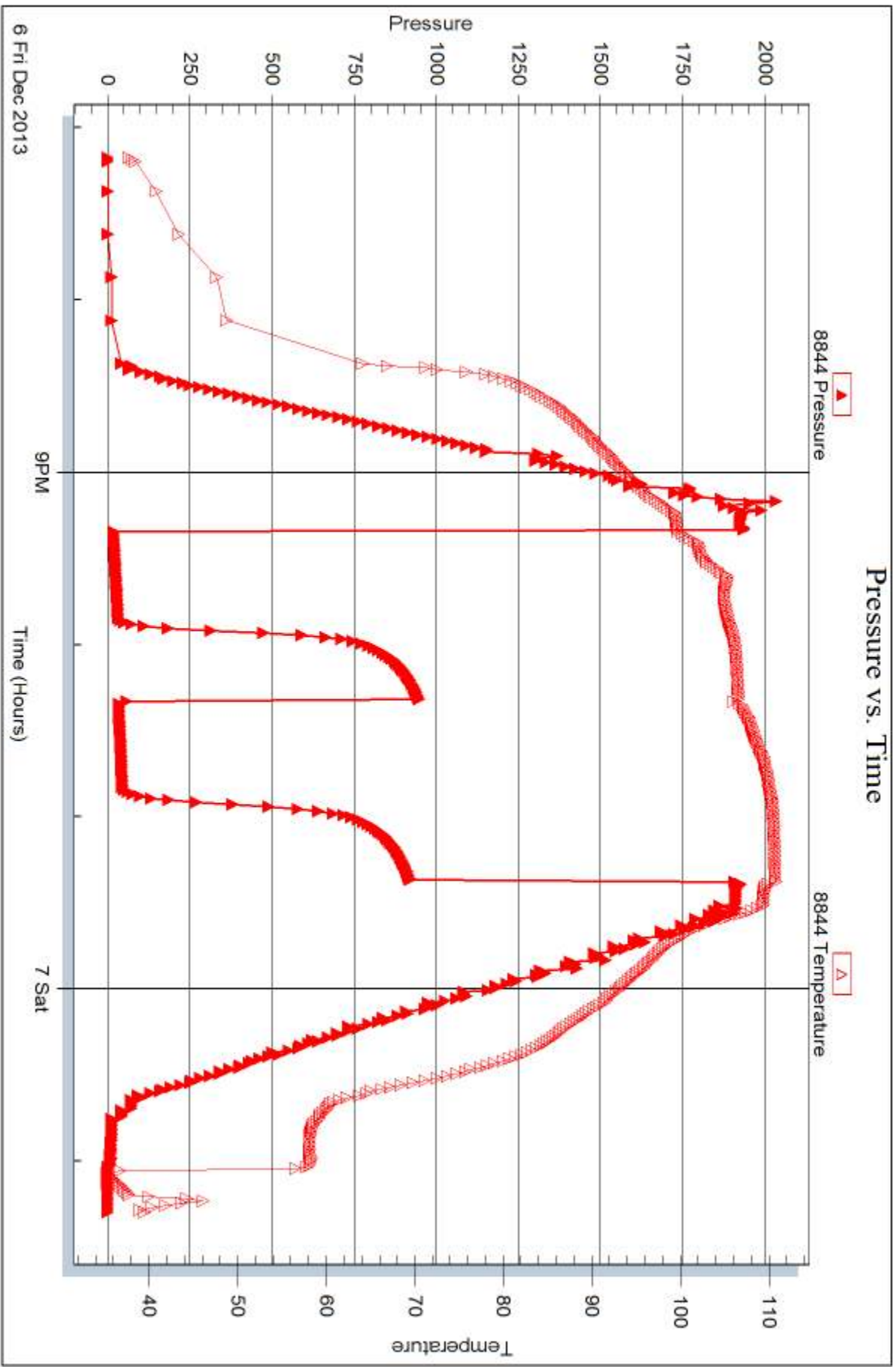


Serial #: 8844

Outside Stellar Oil Corp

Russel #1-18

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 54669

Printed: 2013.12.11 @ 16:24:43



## DRILL STEM TEST REPORT

Prepared For: **Stelbar Oil Corp**

1625 N Waterfront PKWY  
Wichita, KS 67206-6602

ATTN: Dave Goldak

### **Russell #1-18**

#### **18-16s-31w Scott,KS**

Start Date: 2013.12.07 @ 15:40:28

End Date: 2013.12.08 @ 00:40:28

Job Ticket #: 54670                      DST #: 4

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

Printed: 2013.12.11 @ 16:24:08



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Stelbar Oil Corp  
1625 N Waterfront PKWY  
Wichita, KS 67206-6602  
ATTN: Dave Goldak

**18-16s-31w Scott,KS**  
**Russell #1-18**  
Job Ticket: 54670 **DST#: 4**  
Test Start: 2013.12.07 @ 15:40:28

## GENERAL INFORMATION:

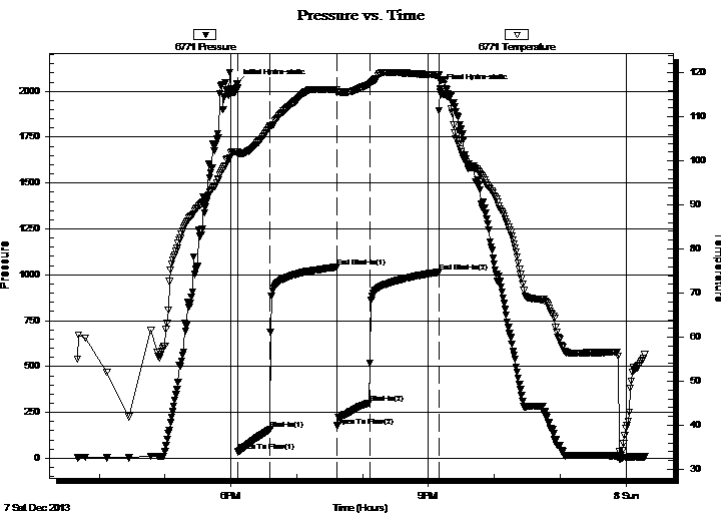
Formation: **G-I**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 18:06:13  
Time Test Ended: 00:40:28  
Interval: **4122.00 ft (KB) To 4192.00 ft (KB) (TVD)**  
Total Depth: 4192.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Reference Elevations: 2936.00 ft (KB)  
2929.00 ft (CF)  
KB to GR/CF: 7.00 ft  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Shane McBride  
Unit No: 55

## Serial #: 6771

Inside

Press@RunDepth: 302.39 psig @ 4123.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2013.12.07 End Date: 2013.12.08 Last Calib.: 2013.12.08  
Start Time: 15:40:28 End Time: 00:17:28 Time On Btm: 2013.12.07 @ 18:05:43  
Time Off Btm: 2013.12.07 @ 21:10:28

TEST COMMENT: B.O.B. in 22 min.  
No return  
B.O.B. in 30 min.  
No return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2040.84	102.14	Initial Hydro-static
1	36.61	101.56	Open To Flow (1)
30	157.16	107.71	Shut-In(1)
91	1042.55	116.15	End Shut-In(1)
92	176.58	115.52	Open To Flow (2)
121	302.39	117.41	Shut-In(2)
184	1014.73	119.44	End Shut-In(2)
185	2014.47	118.25	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
80.00	w c m w/oil spots	1.12
120.00	m c w 20m 80w	1.68
300.00	water 100%w	4.21
0.00	show of free oil in tool	0.00

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE TESTING, INC**

**DRILL STEM TEST REPORT**

Stelbar Oil Corp  
 1625 N Waterfront PKWY  
 Wichita, KS 67206-6602  
 ATTN: Dave Goldak

**18-16s-31w Scott,KS**  
**Russell #1-18**  
 Job Ticket: 54670 **DST#: 4**  
 Test Start: 2013.12.07 @ 15:40:28

**GENERAL INFORMATION:**

Formation: **G-I**  
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 18:06:13 Tester: Shane McBride  
 Time Test Ended: 00:40:28 Unit No: 55

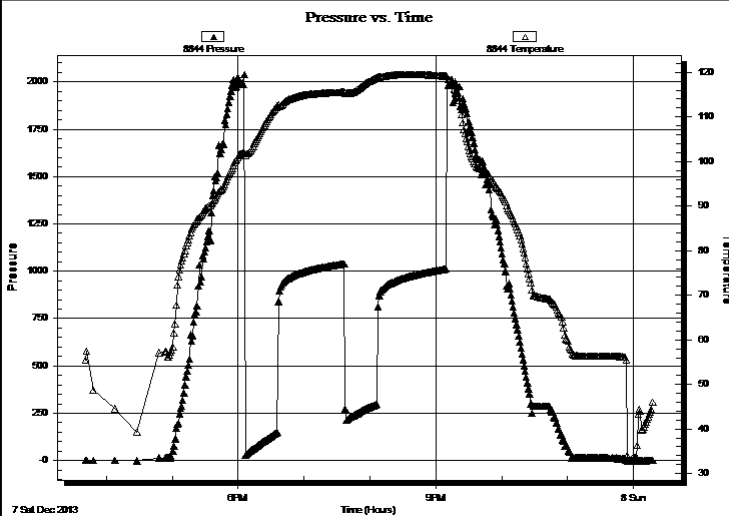
**Interval: 4122.00 ft (KB) To 4192.00 ft (KB) (TVD)** Reference Elevations: 2936.00 ft (KB)  
 Total Depth: 4192.00 ft (KB) (TVD) 2929.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 7.00 ft

**Serial #: 8844**

**Outside**

Press@RunDepth: psig @ 4123.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.12.07 End Date: 2013.12.08 Last Calib.: 2013.12.08  
 Start Time: 15:41:04 End Time: 00:17:34 Time On Btm:  
 Time Off Btm:

**TEST COMMENT:** B.O.B. in 22 min.  
 No return  
 B.O.B. in 30 min.  
 No return



**PRESSURE SUMMARY**

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

**Recovery**

Length (ft)	Description	Volume (bbl)
80.00	w c m w /oil spots	1.12
120.00	m c w 20m 80w	1.68
300.00	w ater 100%w	4.21
0.00	show of free oil in tool	0.00

**Gas Rates**

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

\* Recovery from multiple tests





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Stelbar Oil Corp

**18-16s-31w Scott,KS**

1625 N Waterfront PKWY  
Wichita, KS 67206-6602

**Russell #1-18**

Job Ticket: 54670

**DST#: 4**

ATTN: Dave Goldak

Test Start: 2013.12.07 @ 15:40:28

## Tool Information

Drill Pipe:	Length: 4123.00 ft	Diameter: 3.80 inches	Volume: 57.83 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 57.83 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	4122.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	70.00 ft			
Tool Length:	100.00 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			4093.00	
Shut In Tool	5.00			4098.00	
Sampler	2.00			4100.00	
Hydraulic tool	5.00			4105.00	
Jars	5.00			4110.00	
Safety Joint	3.00			4113.00	
Packer	5.00			4118.00	30.00 Bottom Of Top Packer
Packer	4.00			4122.00	
Stubb	1.00			4123.00	
Recorder	0.00	6771	Inside	4123.00	
Recorder	0.00	8844	Outside	4123.00	
Perforations	30.00			4153.00	
Change Over Sub	1.00			4154.00	
Drill Pipe	32.00			4186.00	
Change Over Sub	1.00			4187.00	
Bullnose	5.00			4192.00	70.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>100.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Stelbar Oil Corp

**18-16s-31w Scott,KS**

1625 N Waterfront PKWY  
Wichita, KS 67206-6602

**Russell #1-18**

Job Ticket: 54670

**DST#: 4**

ATTN: Dave Goldak

Test Start: 2013.12.07 @ 15:40:28

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

39800 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.17 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3200.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
80.00	w c m w /oil spots	1.122
120.00	m c w 20m 80w	1.683
300.00	w ater 100%w	4.208
0.00	show of free oil in tool	0.000

Total Length: 500.00 ft Total Volume: 7.013 bbl

Num Fluid Samples: 0

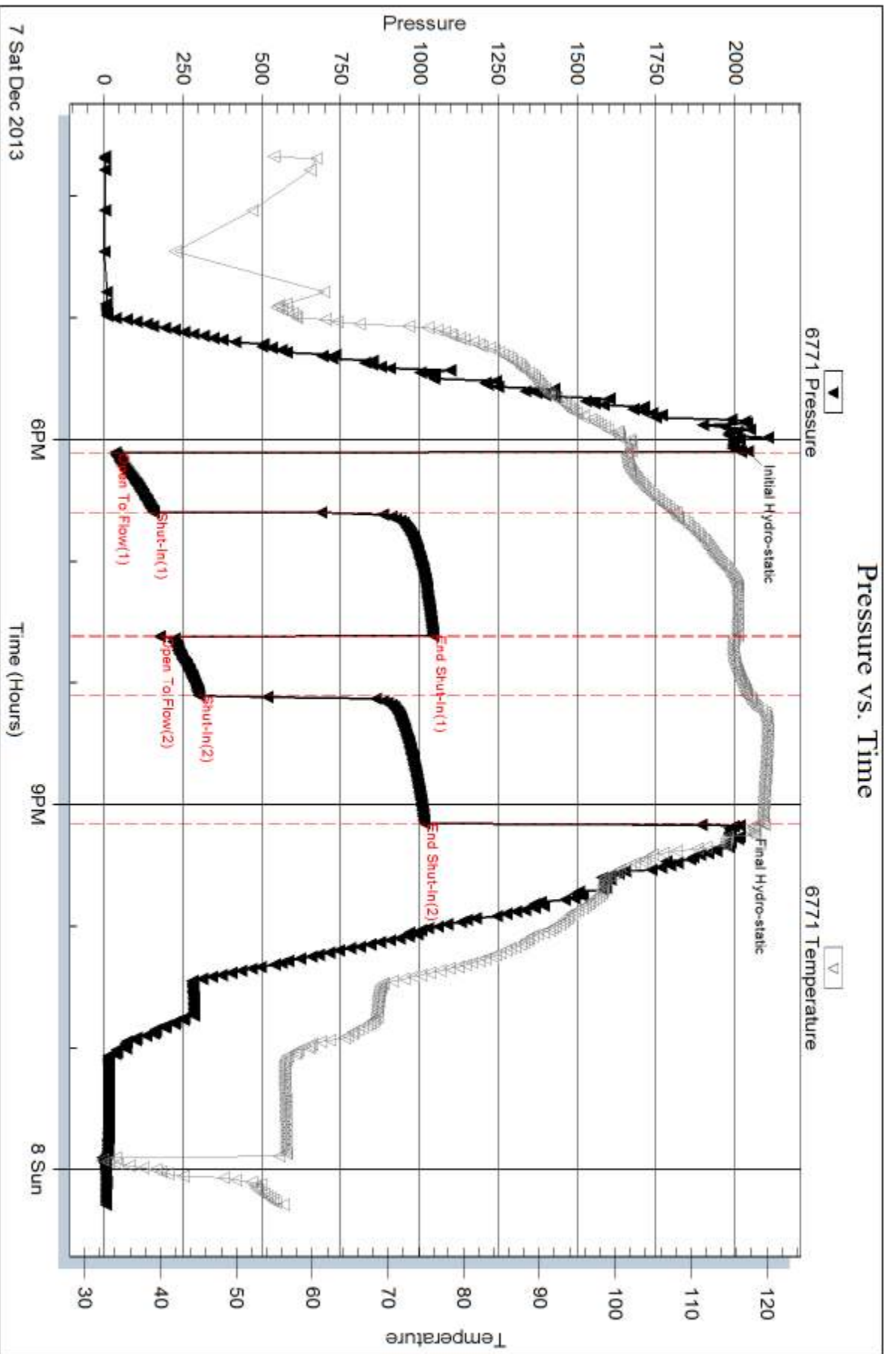
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: sampler 2000ml w ater 130 psi  
rw .184 @ 67\*f= 39,800 chlor

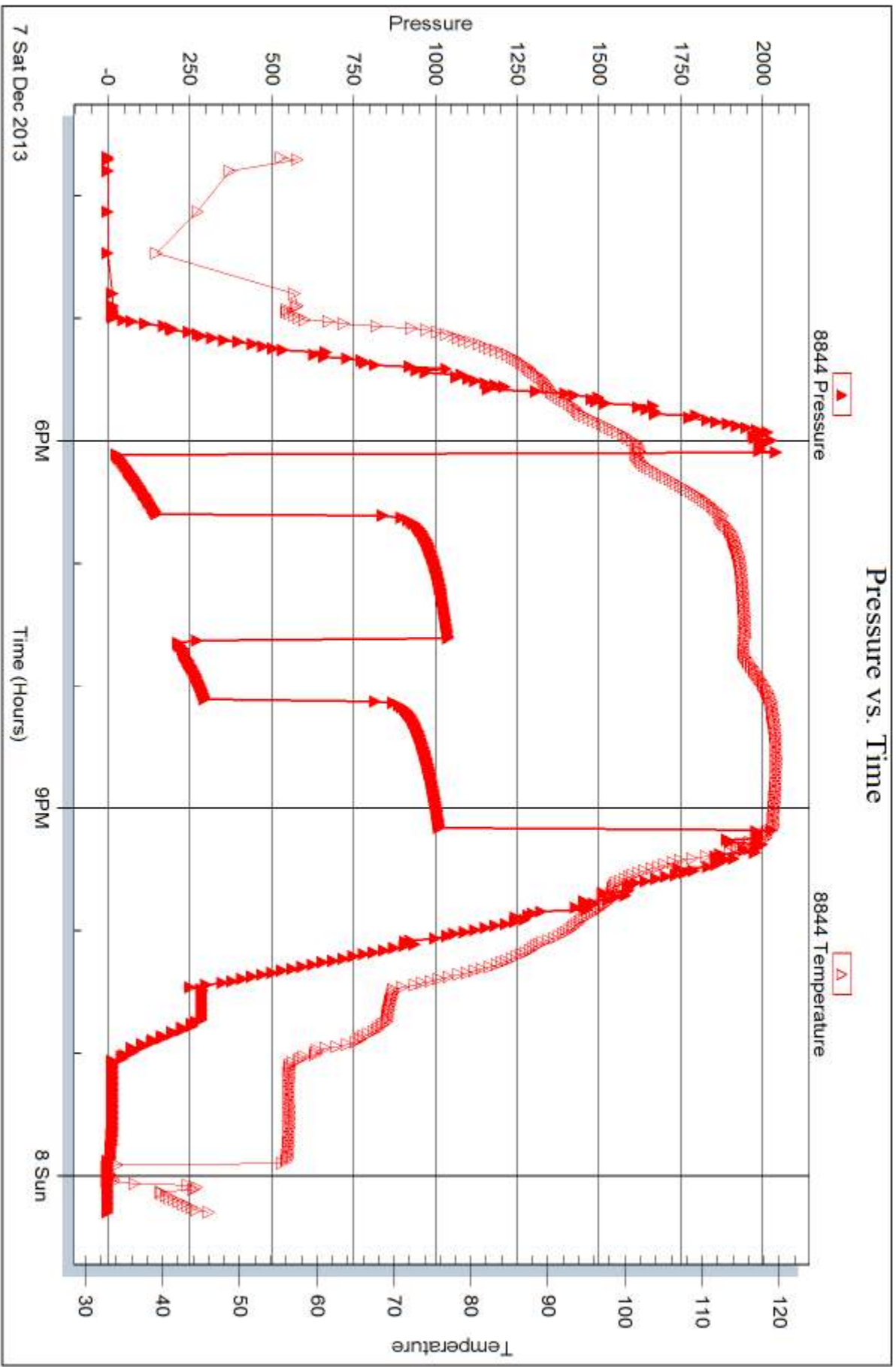


Serial #: 8844

Outside Stellar Oil Corp

Russel #1-18

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 54670

Printed: 2013.12.11 @ 16:24:11



## DRILL STEM TEST REPORT

Prepared For: **Stelbar Oil Corp**

1625 N Waterfront PKWY  
Wichita, KS 67206-6602

ATTN: Dave Goldak

### **Russell #1-18**

#### **18-16s-31w Scott,KS**

Start Date: 2013.12.09 @ 17:40:51

End Date: 2013.12.10 @ 03:45:21

Job Ticket #: 54671                      DST #: 5

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

Printed: 2013.12.11 @ 16:23:30



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Stelbar Oil Corp  
 1625 N Waterfront PKWY  
 Wichita, KS 67206-6602  
 ATTN: Dave Goldak

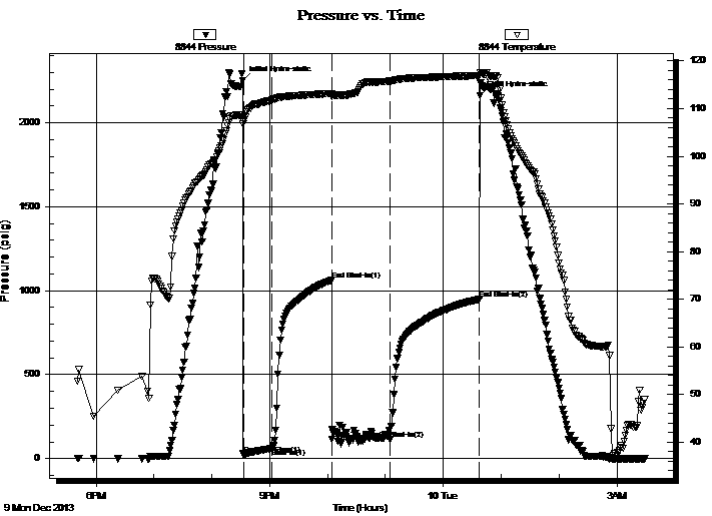
**18-16s-31w Scott,KS**  
**Russell #1-18**  
 Job Ticket: 54671 **DST#: 5**  
 Test Start: 2013.12.09 @ 17:40:51

## GENERAL INFORMATION:

Formation: **Johnson**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 20:32:36  
 Time Test Ended: 03:45:21  
 Interval: **4518.00 ft (KB) To 4568.00 ft (KB) (TVD)**  
 Total Depth: 4621.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Straddle (Reset)  
 Tester: Shane McBride  
 Unit No: 55  
 Reference Elevations: 2936.00 ft (KB)  
 2929.00 ft (CF)  
 KB to GR/CF: 7.00 ft

**Serial #: 8844 Outside**  
 Press@RunDepth: 113.02 psig @ 4519.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.12.09 End Date: 2013.12.10 Last Calib.: 2013.12.10  
 Start Time: 17:40:51 End Time: 03:29:21 Time On Btm: 2013.12.09 @ 20:32:06  
 Time Off Btm: 2013.12.10 @ 00:38:06

**TEST COMMENT:** B.O.B. in 30 min.  
 1 1/2" return blow  
 B.O.B. in 28 min.  
 Surface return, died in 32 min.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2249.93	108.29	Initial Hydro-static
1	23.91	107.52	Open To Flow (1)
31	61.45	111.82	Shut-In(1)
92	1062.89	113.18	End Shut-In(1)
93	115.45	112.57	Open To Flow (2)
153	113.02	115.73	Shut-In(2)
246	949.35	116.94	End Shut-In(2)
246	2162.92	117.44	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
110.00	g o c m 15g 40o 45m	1.54
120.00	g m c o 20g 35m 45o	1.68
0.00	250' gas in pipe	0.00

\* Recovery from multiple tests

## Gas Rates

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



# DRILL STEM TEST REPORT

Stelbar Oil Corp  
 1625 N Waterfront PKWY  
 Wichita, KS 67206-6602  
 ATTN: Dave Goldak

**18-16s-31w Scott,KS**  
**Russell #1-18**  
 Job Ticket: 54671 **DST#: 5**  
 Test Start: 2013.12.09 @ 17:40:51

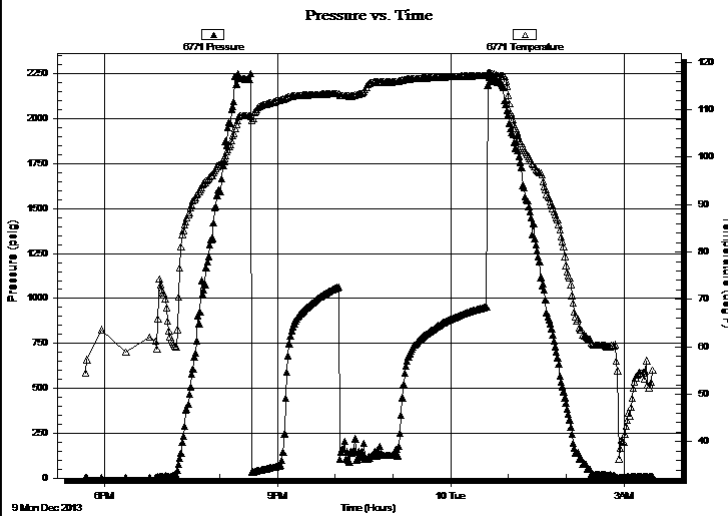
## GENERAL INFORMATION:

Formation: <b>Johnson</b>			Test Type: Conventional Straddle (Reset)
Deviated: No Whipstock:                      ft (KB)			Tester: Shane McBride
Time Tool Opened: 20:32:36			Unit No: 55
Time Test Ended: 03:45:21			Reference Elevations: 2936.00 ft (KB)
<b>Interval: 4518.00 ft (KB) To 4568.00 ft (KB) (TVD)</b>			2929.00 ft (CF)
Total Depth: 4621.00 ft (KB) (TVD)			KB to GR/CF: 7.00 ft
Hole Diameter: 7.88 inches	Hole Condition: Fair		

**Serial #: 6771**     **Inside**

Press@RunDepth:                      psig @     4519.00 ft (KB)	Capacity:                                      8000.00 psig
Start Date:                              2013.12.09     End Date:                              2013.12.10	Last Calib.:                                  2013.12.10
Start Time:                              17:40:41     End Time:                              03:29:41	Time On Btm:
	Time Off Btm:

**TEST COMMENT:** B.O.B. in 30 min.  
 1 1/2" return blow  
 B.O.B. in 28 min.  
 Surface return, died in 32 min.



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
110.00	g o c m 15g 40o 45m	1.54
120.00	g m c o 20g 35m 45o	1.68
0.00	250' gas in pipe	0.00

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Stelbar Oil Corp

**18-16s-31w Scott,KS**

1625 N Waterfront PKWY  
Wichita, KS 67206-6602

**Russell #1-18**

Job Ticket: 54671

**DST#: 5**

ATTN: Dave Goldak

Test Start: 2013.12.09 @ 17:40:51

## GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:32:36

Time Test Ended: 03:45:21

Test Type: Conventional Straddle (Reset)

Tester: Shane McBride

Unit No: 55

Interval: **4518.00 ft (KB) To 4568.00 ft (KB) (TVD)**

Reference Elevations: 2936.00 ft (KB)

Total Depth: 4621.00 ft (KB) (TVD)

2929.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

**Serial #: 8353 Below (Straddle)**

Press@RunDepth: psig @ 4583.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.12.09

End Date: 2013.12.10

Last Calib.: 1899.12.30

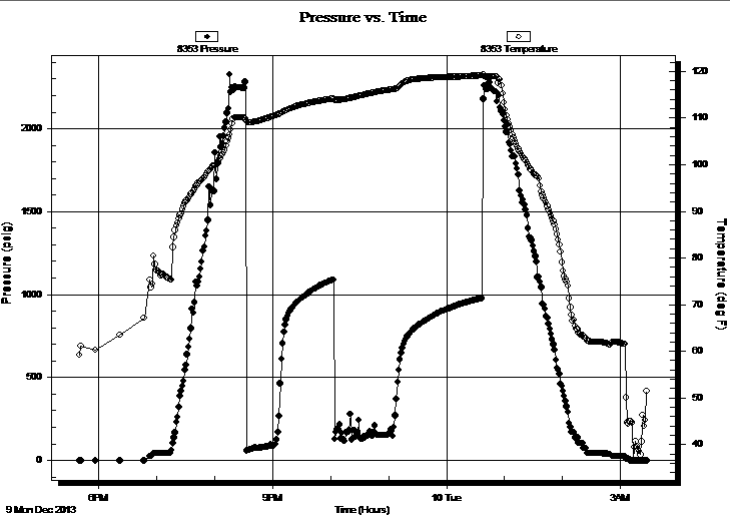
Start Time: 17:40:19

End Time: 03:26:49

Time On Btm:

Time Off Btm:

TEST COMMENT: B.O.B. in 30 min.  
1 1/2" return blow  
B.O.B. in 28 min.  
Surface return, died in 32 min.



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
110.00	g o c m 15g 40o 45m	1.54
120.00	g m c o 20g 35m 45o	1.68
0.00	250' gas in pipe	0.00

## Gas Rates

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

\* Recovery from multiple tests





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Stelbar Oil Corp

**18-16s-31w Scott,KS**

1625 N Waterfront PKWY  
Wichita, KS 67206-6602

**Russell #1-18**

Job Ticket: 54671

**DST#: 5**

ATTN: Dave Goldak

Test Start: 2013.12.09 @ 17:40:51

## Tool Information

Drill Pipe:	Length: 4496.00 ft	Diameter: 3.80 inches	Volume: 63.07 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 63.07 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4518.00 ft			Final 59000.00 lb
Depth to Bottom Packer:	4621.00 ft			
Interval between Packers:	103.00 ft			
Tool Length:	133.00 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			4489.00	
Shut In Tool	5.00			4494.00	
Sampler	2.00			4496.00	
Hydraulic tool	5.00			4501.00	
Jars	5.00			4506.00	
Safety Joint	3.00			4509.00	
Packer	5.00			4514.00	30.00 Bottom Of Top Packer
Packer	4.00			4518.00	
Stubb	1.00			4519.00	
Recorder	0.00	6771	Inside	4519.00	
Recorder	0.00	8844	Outside	4519.00	
Perforations	7.00			4526.00	
Change Over Sub	1.00			4527.00	
Drill Pipe	31.00			4558.00	
Change Over Sub	1.00			4559.00	
Perforations	5.00			4564.00	
Blank Off Sub	1.00			4565.00	
top of s packer	3.00			4568.00	
Packer - Shale	0.00			4568.00	
Stubb	1.00			4569.00	
Anchor	14.00			4583.00	
Recorder	0.00	8353	Below	4583.00	
Change Over Sub	1.00			4584.00	
Drill Pipe	31.00			4615.00	
Change Over Sub	1.00			4616.00	
Bullnose	5.00			4621.00	103.00 Bottom Packers & Anchor

**Total Tool Length: 133.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Stelbar Oil Corp

**18-16s-31w Scott,KS**

1625 N Waterfront PKWY  
Wichita, KS 67206-6602

**Russell #1-18**

Job Ticket: 54671

**DST#: 5**

ATTN: Dave Goldak

Test Start: 2013.12.09 @ 17:40:51

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.56 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3600.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
110.00	g o c m 15g 40o 45m	1.543
120.00	g m c o 20g 35m 45o	1.683
0.00	250' gas in pipe	0.000

Total Length: 230.00 ft Total Volume: 3.226 bbl

Num Fluid Samples: 0

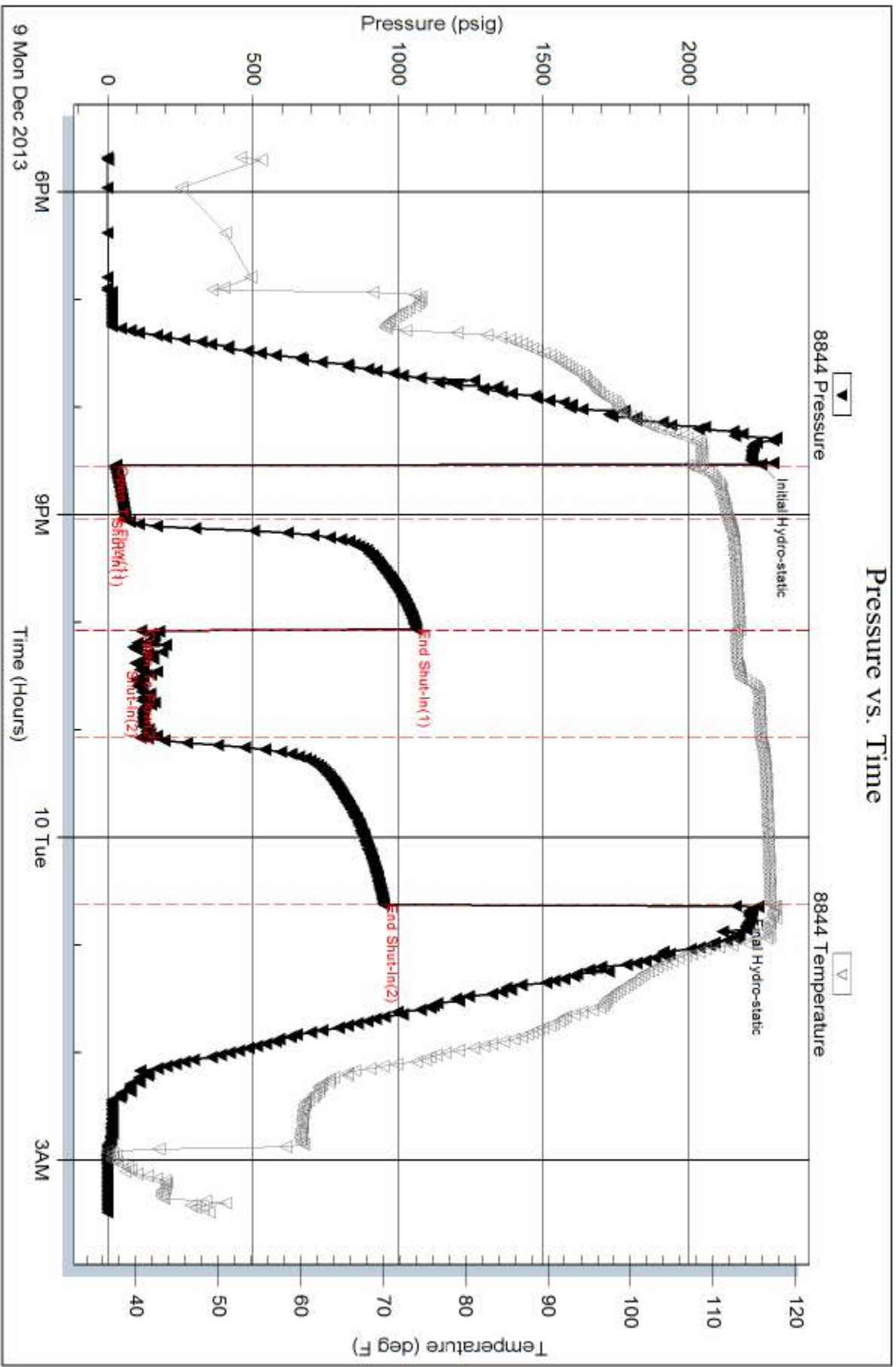
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: sampler .4 cubic ft of gas 1000ml oil 600ml mud 90psi



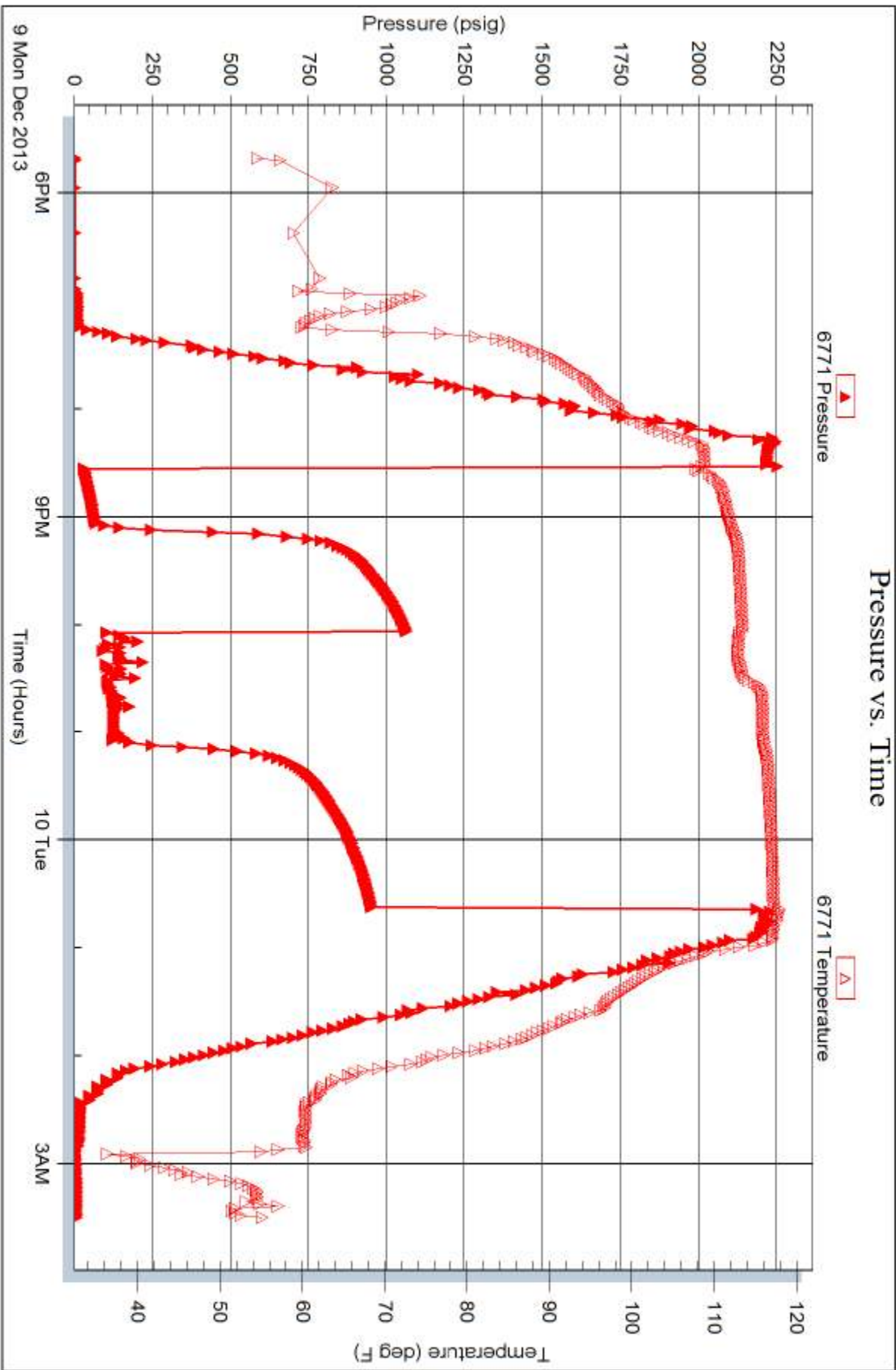
Serial #: 6771

Inside

Stelbar Oil Corp

Russel #1-18

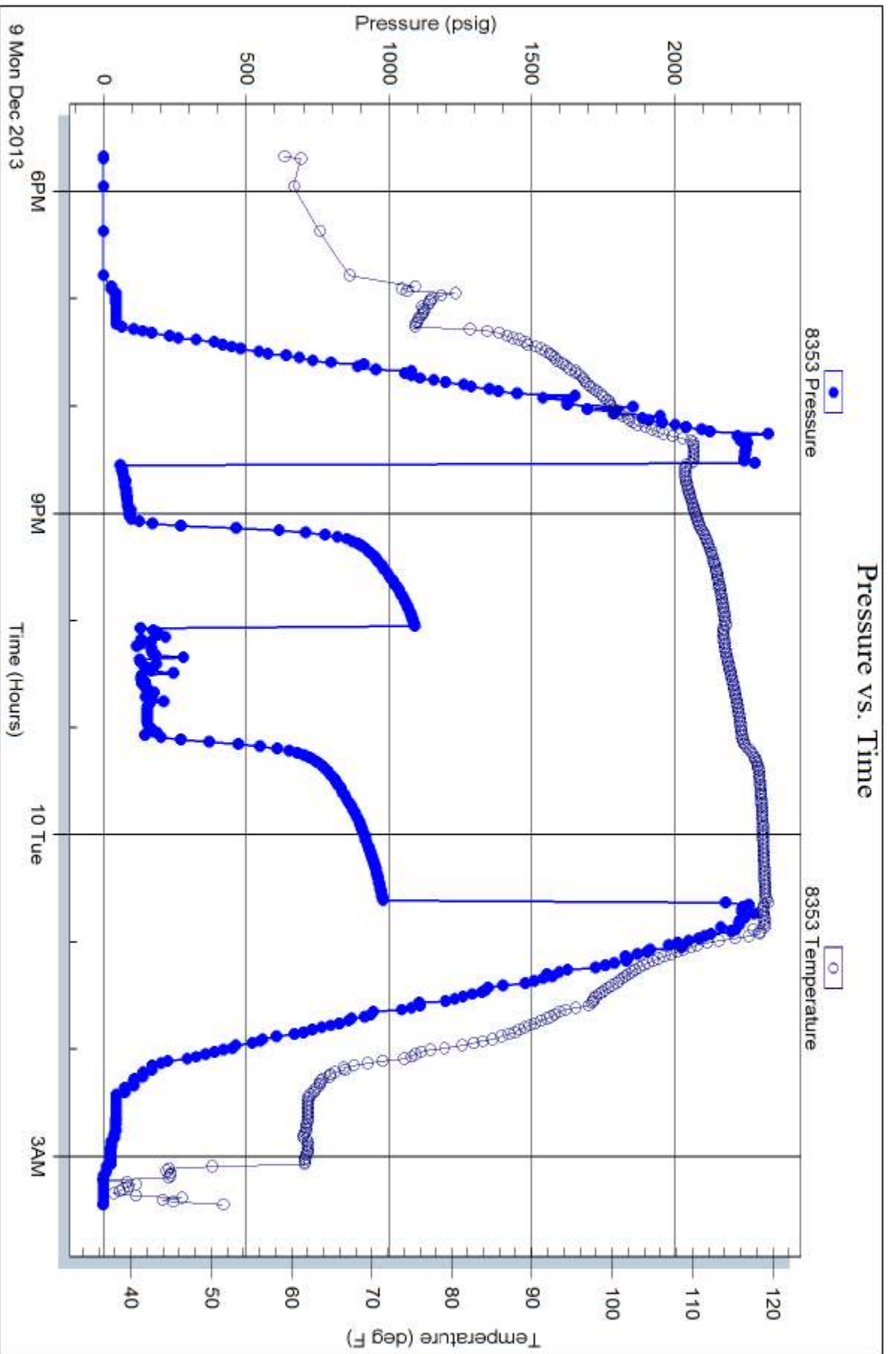
DST Test Number: 5

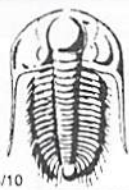


Tribble Testing, Inc

Ref. No: 54671

Printed: 2013.12.11 @ 16:23:33





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 54667

Well Name & No. Russell #1-18 Test No. #1 Date 12/5/13  
 Company Selbar Oil Corp Elevation 2936 KB 2929 GL  
 Address 1625 N. Waterfront PKWY, Wichita, KS 67206-6602  
 Co. Rep / Geo. Dave Goldark Rig Petrol #10  
 Location: Sec. 18 Twp. 16S Rge. 3W Co. Scott State Ks

Interval Tested 3970 3996 Zone Tested B  
 Anchor Length 26 Drill Pipe Run 3964 Mud Wt. 8.8  
 Top Packer Depth 3965 Drill Collars Run --- Vis 18  
 Bottom Packer Depth 3970 Wt. Pipe Run --- WL 76  
 Total Depth 3996 Chlorides 1600 ppm System LCM #1

Blow Description BOB. on 18 min  
No return  
BOB. on 23 min.  
No return

Rec	Feet of	%gas	Spits	%oil	%water	%mud
<u>120</u>	<u>in new oil spots on top</u>			<u>70</u>	<u>30</u>	
<u>120</u>	<u>in new</u>			<u>90</u>	<u>10</u>	
<u>420</u>	<u>water</u>			<u>100</u>		
	<u>(Show of free oil on tool)</u>					

Rec Total 6600' BHT 121° Gravity --- API RW 215 @ 73° F Chlorides 31500 ppm

(A) Initial Hydrostatic 1969  Test 1150 T-On Location 21:15  
 (B) First Initial Flow 46  Jars 250 T-Started 22:10  
 (C) First Final Flow 151  Safety Joint 75 T-Open 01:07  
 (D) Initial Shut-In 1028  Circ Sub N/C T-Pulled 05:07  
 (E) Second Initial Flow 168  Hourly Standby \_\_\_\_\_ T-Out 08:10  
 (F) Second Final Flow 328  Mileage 44 RT 68.20 Comments \_\_\_\_\_  
 (G) Final Shut-In 1016  Sampler 250 \_\_\_\_\_  
 (H) Final Hydrostatic 1906  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_ Sub Total 0  
 Day Standby \_\_\_\_\_ Total 1793.20  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1793.20

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

P.O. Box 362 • Hays, Kansas 67601

## FLUID SAMPLER DATA

Ticket No. 54667 Date 12/5/13  
 Company Name Stelbar Oil Corp  
 Lease Russell #1-10 Test No. #1 (3920-3926) Bzone  
 County Scott, Ks Sec. 18 Twp. 16S Rng. 3W

### SAMPLER RECOVERY

Gas \_\_\_\_\_ ML  
 Oil 100 ML  
 Mud \_\_\_\_\_ ML  
 Water 1900 ML  
 Other \_\_\_\_\_ ML  
 Pressure 260 PSI  
 Total 2000 ML ML

### PIT MUD ANALYSIS

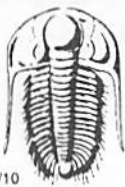
Chlorides 1600 ppm.  
 Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F  
 Viscosity 48  
 Mud Weight 8.8  
 Filtrate 7.6  
 Other LCM #1

### SAMPLER ANALYSIS

Resistivity .215 ohms @ 73° F  
 Chlorides 31,500 ppm.  
 Gravity \_\_\_\_\_ corrected @60F

### PIPE RECOVERY

TOP  
 Resistivity .215 ohms @ 73° F  
 Chlorides 31,500 ppm.  
 MIDDLE  
 Resistivity .215 ohms @ 73° F  
 Chlorides 31,500 ppm.  
 BOTTOM  
 Resistivity .215 ohms @ 73° F  
 Chlorides 31,500 ppm.



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 54668

Well Name & No. Russell #1-18 Test No. #2 Date 12/6/13  
 Company Delbar Oil Corp Elevation 2936 KB 2929 GL  
 Address 1625 N. Waterfront Pkwy, Wichita, KS 67204-6602  
 Co. Rep / Geo. Dave Galdak Rig Pickrell #10  
 Location: Sec. 18 Twp. 16S Rge. 3W Co. Scott State Ks

Interval Tested 3996 4018 Zone Tested C  
 Anchor Length 22 Drill Pipe Run 3997 Mud Wt. 9.3  
 Top Packer Depth 3991 Drill Collars Run — Vis 70+  
 Bottom Packer Depth 3996 Wt. Pipe Run — WL 8.4  
 Total Depth 4018 Chlorides 2600 ppm System LCM #1

Blow Description B.O.B. in 1 min  
No return  
B.O.B. in 2 min  
No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>120'</u>	<u>SMCW</u>			<u>85</u>	<u>15</u>
<u>120'</u>	<u>water</u>			<u>100</u>	
<u>1750'</u>	<u>water (reversed out)</u>			<u>100</u>	
<u>120'</u>	<u>(under Core Sub.) water</u>			<u>100</u>	
<u>Rec</u>	<u>Feet of</u>	<u>%gas</u>	<u>%oil</u>	<u>%water</u>	<u>%mud</u>

Rec Total 2110' BHT 121° Gravity — API RW .271 @ 71° F Chlorides 25,500 ppm

(A) Initial Hydrostatic <u>1947</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>18:00</u>
(B) First Initial Flow <u>369</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>18:45</u>
(C) First Final Flow <u>868</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>20:40</u>
(D) Initial Shut-In <u>1052</u>	<input checked="" type="checkbox"/> Circ Sub <u>450.00</u>	T-Pulled <u>23:40</u>
(E) Second Initial Flow <u>904</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>03:10</u>
(F) Second Final Flow <u>1029</u>	<input checked="" type="checkbox"/> Mileage <u>44.00</u> <u>68.20</u>	Comments
(G) Final Shut-In <u>1055</u>	<input checked="" type="checkbox"/> Sampler <u>250</u>	
(H) Final Hydrostatic <u>1927</u>	<input type="checkbox"/> Straddle	

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

Ruined Shale Packer  
 Ruined Packer  
 Extra Copies  
 Sub Total 0  
 Total 1943.20  
 MP/DST Disc't

Approved By [Signature] Our Representative [Signature]

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# TRILOBITE TESTING, INC.

P.O. Box 362 • Hays, Kansas 67601

## FLUID SAMPLER DATA

Ticket No. 54668 Date 12/6/13  
 Company Name Stellar Oil Corp  
 Lease Russell #1-18 Test No. #2 (3996-4118) C-zone  
 County Scott, KS Sec. 18 Twp. 16S Rng. 31W

### SAMPLER RECOVERY

Gas                      ML  
 Oil                      ML  
 Mud                      ML  
 Water 2000 ML  
 Other                      ML  
 Pressure PST  
 Total 2000ml ML

### PIT MUD ANALYSIS

Chlorides 2600 ppm.  
 Resistivity                      ohms @                      F  
 Viscosity 70+  
 Mud Weight 9.3  
 Filtrate 8.4  
 Other LCM #1

### SAMPLER ANALYSIS

Resistivity 1271 ohms @ 71° F  
 Chlorides 25,500 ppm.  
 Gravity                      corrected @60F

### PIPE RECOVERY

**TOP**  
 Resistivity 1271 ohms @ 71° F  
 Chlorides 25,500 ppm.

**MIDDLE**  
 Resistivity                      ohms @                      F  
 Chlorides                      ppm.

**BOTTOM**  
 Resistivity 1271 ohms @ 71° F  
 Chlorides 25,500 ppm.



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 54669

Well Name & No. Russell #1-18 Test No. #3 Date 12/4/13  
 Company Stelbar Oil Corp Elevation 2736 KB 2929 GL  
 Address 1625 W. Waterfront (KWI), Wichita, KS 67206-6602  
 Co. Rep / Geo. Dave Goldak Rig Picknell #10  
 Location: Sec. 18 Twp. 16S Rge. 31W Co. Scott State Ks

Interval Tested 4028 4046 Zone Tested D  
 Anchor Length 18 Drill Pipe Run 4028 Mud Wt. 9.0  
 Top Packer Depth 4023 Drill Collars Run --- Vis 49  
 Bottom Packer Depth 4028 Wt. Pipe Run --- WL 8.4  
 Total Depth 4046 Chlorides 2500 ppm System LCM #1

Blow Description 1/4" in blow  
No return  
1" in blow  
No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>Free Oil</u>		<u>100</u>		
<u>45</u>	<u>OCWM</u>	<u>10</u>	<u>30</u>	<u>60</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 100' BHT 110° Gravity 32 API RW 289 @ 60 °F Chlorides 2500 ppm  
 (A) Initial Hydrostatic 1940  Test 1250 T-On Location 18:35  
 (B) First Initial Flow 39  Jars 250 T-Started 19:10  
 (C) First Final Flow 41  Safety Joint 75 T-Open 21:20  
 (D) Initial Shut-In 948  Circ Sub N/C T-Pulled 23:20  
 (E) Second Initial Flow 51  Hourly Standby \_\_\_\_\_ T-Out 21:40  
 (F) Second Final Flow 53  Mileage 44/15 68.20 Comments \_\_\_\_\_  
 (G) Final Shut-In 920  Sampler 250 \_\_\_\_\_  
 (H) Final Hydrostatic 1926  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_ Sub Total 0  
 Day Standby \_\_\_\_\_ Total 1893.20  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_

Initial Open 30  
 Initial Shut-In 30  
 Final Flow 30  
 Final Shut-In 30  
 Sub Total 1893.20

Approved By [Signature] Our Representative [Signature]

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# TRILOBITE TESTING, INC.

P.O. Box 362 • Hays, Kansas 67601

## FLUID SAMPLER DATA

Ticket No. 54669 Date 12/6/13  
 Company Name Stellar Oil Corp  
 Lease Russell #148 Test No. #3 (1028-1046) D-zone  
 County Scott, KS Sec. 18 Twp. 14S Rng. 3W

### SAMPLER RECOVERY

Gas \_\_\_\_\_ ML  
 Oil 700 ML  
 Mud 400 ML  
 Water 900 ML  
 Other \_\_\_\_\_ ML  
 Pressure 80 PSI ~~ML~~  
 Total \_\_\_\_\_ ML

### PIT MUD ANALYSIS

Chlorides 2500 ppm.  
 Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F  
 Viscosity 49  
 Mud Weight 9.0  
 Filtrate 8.4  
 Other LCM #1

### SAMPLER ANALYSIS

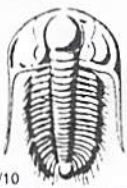
Resistivity .289 ohms @ 60° F  
 Chlorides 28,000 ppm.  
 Gravity 32 corrected @60F

### PIPE RECOVERY

TOP  
 Resistivity .289 ohms @ 60 F  
 Chlorides 28,000 ppm.

MIDDLE  
 Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F  
 Chlorides \_\_\_\_\_ ppm.

BOTTOM  
 Resistivity .289 ohms @ 60 F  
 Chlorides 28,000 ppm.



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 54670

Well Name & No. Russell #1-18 Test No. #4 Date 12/7/13  
 Company Stelbar Oil Corp Elevation 2936 KB 2929 GL  
 Address 1625 N. Waterfront Pkwy, Wichita, KS 67206-6602  
 Co. Rep / Geo. Dave Godlak Rig Petrel #10  
 Location: Sec. 18 Twp. 16S Rge. 3W Co. Scott State Ks

Interval Tested 4122 4192 Zone Tested G-I  
 Anchor Length 70 Drill Pipe Run 4123' Mud Wt. 9.2  
 Top Packer Depth 4117 Drill Collars Run --- Vis 100  
 Bottom Packer Depth 4122 Wt. Pipe Run --- WL 7.2  
 Total Depth 4192 Chlorides 3200 ppm System LCM #1

Blow Description B.O.B. in 22 min  
No return  
B.O.B. in 30 min.  
No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>80</u>	<u>wcm work spots</u>		<u>30</u>	<u>70</u>	
<u>120</u>	<u>mud</u>		<u>80</u>	<u>20</u>	
<u>300</u>	<u>water</u>		<u>100</u>		
	<u>(Show of Free Oil in Tool)</u>				

Rec Total 500' BHT 120° Gravity --- API RW 184 @ 67° F Chlorides 39800 ppm  
 (A) Initial Hydrostatic 2040  Test 1250 T-On Location 15:00  
 (B) First Initial Flow 36  Jars 250 T-Started 15:40  
 (C) First Final Flow 157  Safety Joint 75 T-Open 18:09  
 (D) Initial Shut-In 1042  Circ Sub n/c T-Pulled 21:05  
 (E) Second Initial Flow 176  Hourly Standby T-Out 00:40  
 (F) Second Final Flow 302  Mileage 44.25 68.20 Comments \_\_\_\_\_  
 (G) Final Shut-In 1014  Sampler 250 \_\_\_\_\_  
 (H) Final Hydrostatic 2014  Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_

Initial Open 30  Ruined Shale Packer \_\_\_\_\_  
 Initial Shut-In 60  Ruined Packer \_\_\_\_\_  
 Final Flow 30  Extra Copies \_\_\_\_\_  
 Final Shut-In 60 Sub Total 0  
 Total 1893.20

Approved By [Signature] Our Representative [Signature]  
 Sub Total 1893.20 MP/DST Disc't \_\_\_\_\_

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# TRILOBITE TESTING, INC.

P.O. Box 362 • Hays, Kansas 67601

## FLUID SAMPLER DATA

Ticket No. 54670 Date 12/7/13  
 Company Name Stelvar Oil Corp  
 Lease Russell #1-18 Test No. #4 (4122-4192) G-I Zones  
 County Scott, KS Sec. 18 Twp. 16.5 Rng. 31W

### SAMPLER RECOVERY

Gas                      ML  
 Oil                      ML  
 Mud                      ML  
 Water 2000 ML  
 Other                      ML  
 Pressure 130 PSI  
 Total 2000 ml ML

### PIT MUD ANALYSIS

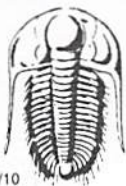
Chlorides 3200 ppm.  
 Resistivity                      ohms @                      F  
 Viscosity 60  
 Mud Weight 9.2  
 Filtrate 7.2  
 Other LCM #1

### SAMPLER ANALYSIS

Resistivity .184 ohms @ 67 F  
 Chlorides 39,800 ppm.  
 Gravity                      corrected @60F

### PIPE RECOVERY

TOP  
 Resistivity .184 ohms @ 67 F  
 Chlorides 39,000 ppm.  
 MIDDLE  
 Resistivity .184 ohms @ 67 F  
 Chlorides 39,800 ppm.  
 BOTTOM  
 Resistivity .184 ohms @ 67 F  
 Chlorides 39,800 ppm.



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 54671

Well Name & No. Russell #1-18 Test No. #5 Date 12/13/13  
 Company Delvar Oil Corp Elevation 2936 KB 2929 GL  
 Address 725 N. Waterfront PKWY, Wichita, KS 67206-6602  
 Co. Rep / Geo. Dave Goldak Rig Pickrell #10  
 Location: Sec. 18 Twp. 16S Rge. 31W Co. Scott State Ks

Interval Tested 4518 4568 Zone Tested Johnson  
 Anchor Length 50 Drill Pipe Run 4490 Mud Wt. 9.5  
 Top Packer Depth 4513 - 4518 Drill Collars Run --- Vis 34  
 Bottom Packer Depth 4568 Wt. Pipe Run --- WL 9.6  
 Total Depth 53' tail pipe 4621 Chlorides 3600 ppm System LCM #2

Blow Description B.O.B. in 30 min  
1 1/2" in Resburn blow  
B.O.B. in 28 min  
Surface return, died in 32 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>110</u>	<u>gocm</u>	<u>15%</u>	<u>40%</u>	<u>45%</u>	<u>---</u>
<u>120</u>	<u>gmco</u>	<u>20%</u>	<u>45%</u>	<u>35%</u>	<u>---</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 230' BHT 117° Gravity --- API RW --- @ --- F Chlorides --- ppm

(A) Initial Hydrostatic <u>2249</u>	<input checked="" type="checkbox"/> Test <u>1050</u>	T-On Location <u>16:55</u>
(B) First Initial Flow <u>23</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>17:40</u>
(C) First Final Flow <u>61</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>20:30</u>
(D) Initial Shut-In <u>1062</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>00:30</u>
(E) Second Initial Flow <u>115</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>03:48</u>
(F) Second Final Flow <u>113</u>	<input checked="" type="checkbox"/> Mileage <u>44 RT</u> <u>68.20</u>	Comments
(G) Final Shut-In <u>949</u>	<input checked="" type="checkbox"/> Sampler <u>250</u>	
(H) Final Hydrostatic <u>2162</u>	<input checked="" type="checkbox"/> Straddle <u>600</u>	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>60</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>90</u>	<input type="checkbox"/> Day Standby	Total <u>2543.20</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>2543.20</u>	

Approved By [Signature] Our Representative [Signature]

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# TRILOBITE TESTING, INC.

P.O. Box 362 • Hays, Kansas 67601

## FLUID SAMPLER DATA

Ticket No. 54671 Date 12/9/13  
 Company Name Stellar Oil Corp  
 Lease Russell #1-18 Test No. #5 (4518-4519) Johnson Zone  
 County Scott, KS Sec. 18 Twp. 16S Rng. 31W

### SAMPLER RECOVERY

Gas 4 cubic ft ~~ML~~  
 Oil 1000 ML  
 Mud 600 ML  
 Water — ML  
 Other — ML  
 Pressure 90 PSI ~~PSI~~  
 Total 4 cubic ft Gas 1600 ml Fluid ML

### PIT MUD ANALYSIS

Chlorides 3600 ppm.  
 Resistivity — ohms @ — F  
 Viscosity 54  
 Mud Weight 9.5  
 Filtrate 9.4  
 Other API #2

### SAMPLER ANALYSIS

~~Resistivity — ohms @ — F  
 Chlorides No Water ppm.  
 Gravity Not enough to get corrected @60F  
A Gravity~~

### PIPE RECOVERY

~~TOP  
 Resistivity No Water ohms @ — F  
 Chlorides — ppm.  
 MIDDLE  
 Resistivity — ohms @ — F  
 Chlorides — ppm.  
 BOTTOM  
 Resistivity — ohms @ — F  
 Chlorides — ppm.~~