



## DRILL STEM TEST REPORT

Prepared For: **Stelbar Oil Corporation, Inc.**

1625 N. Waterfront Pkwy.  
Wichita, KS 67206

ATTN: Larry Friend

### **Dairy #1-18**

### **18-17s-32w Scott, KS**

Start Date: 2014.06.07 @ 09:35:00

End Date: 2014.06.07 @ 16:14:30

Job Ticket #: 56849                      DST #: 1

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

Printed: 2014.06.13 @ 15:17:04



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Stelbar Oil Corporation, Inc.

**18-17s-32w Scott, KS**

1625 N. Waterfront Pkwy.  
Wichita, KS 67206

**Dairty #1-18**

Job Ticket: 56849

**DST#: 1**

ATTN: Larry Friend

Test Start: 2014.06.07 @ 09:35:00

## GENERAL INFORMATION:

Formation: **Topeka**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:53:00

Time Test Ended: 16:14:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Mack

Unit No: 66

**Interval: 3797.00 ft (KB) To 3812.00 ft (KB) (TVD)**

Reference Elevations: 2992.00 ft (KB)

Total Depth: 3944.00 ft (KB) (TVD)

2981.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

**Serial #: 8874 Inside**

Press@RunDepth: 13.54 psig @ 3798.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.06.07

End Date:

2014.06.07

Last Calib.:

2014.06.07

Start Time: 09:36:00

End Time:

16:14:30

Time On Btm:

2014.06.07 @ 11:52:30

Time Off Btm:

2014.06.07 @ 14:02:00

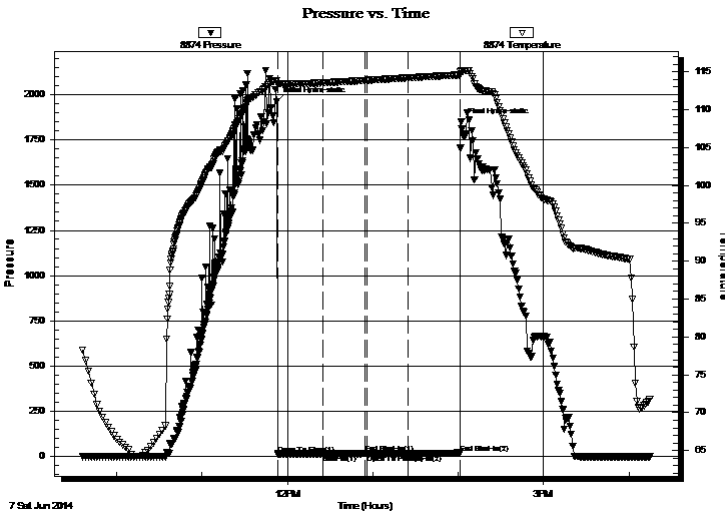
TEST COMMENT: 30 - IF- Surface Blow died in 10 min.

30 - IS- No Return

30 - FF- No Blow

30 - FS- No Return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1962.19	113.84	Initial Hydro-static
1	12.43	113.27	Open To Flow (1)
33	13.65	113.53	Shut-In(1)
62	15.24	113.86	End Shut-In(1)
64	13.06	113.87	Open To Flow (2)
93	13.54	114.19	Shut-In(2)
129	18.28	114.58	End Shut-In(2)
130	1848.18	115.09	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
2.00	OSM 100M	0.01

## Gas Rates

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







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Stelbar Oil Corporation, Inc.

**18-17s-32w Scott, KS**

1625 N. Waterfront Pkwy.  
Wichita, KS 67206

**Dairty #1-18**

Job Ticket: 56849

**DST#: 1**

ATTN: Larry Friend

Test Start: 2014.06.07 @ 09:35:00

## Tool Information

Drill Pipe:	Length: 3590.00 ft	Diameter: 3.80 inches	Volume: 50.36 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: 191.00 ft	Diameter: 2.25 inches	Volume: 0.94 bbl	Weight to Pull Loose: 76000.00 lb
			<u>Total Volume: 51.30 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	3797.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	146.00 ft			
Tool Length:	177.00 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			3767.00	
Shut In Tool	5.00			3772.00	
Sampler	3.00			3775.00	
Hydraulic tool	5.00			3780.00	
Jars	5.00			3785.00	
Safety Joint	3.00			3788.00	
Packer	5.00			3793.00	31.00 Bottom Of Top Packer
Packer	4.00			3797.00	
Stubb	1.00			3798.00	
Recorder	0.00	8653	Outside	3798.00	
Recorder	0.00	8874	Inside	3798.00	
Perforations	9.00			3807.00	
Blank Off Sub	1.00			3808.00	
Packer - Shale	0.00			3808.00	146.00 Tool Interval
Packer	4.00			3812.00	
Stubb	1.00			3813.00	
Change Over Sub	1.00			3814.00	
Recorder	0.00	8520	Below	3814.00	
Drill Pipe	125.00			3939.00	
Change Over Sub	1.00			3940.00	
Bullnose	3.00			3943.00	1000176.00 Bottom Packers & Anchor

**Total Tool Length: 177.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Stelbar Oil Corporation, Inc.

**18-17s-32w Scott, KS**

1625 N. Waterfront Pkwy.  
Wichita, KS 67206

**Dairty #1-18**

Job Ticket: 56849

**DST#: 1**

ATTN: Larry Friend

Test Start: 2014.06.07 @ 09:35:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 32.00 sec/qt

Cushion Volume:

bbbl

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

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 21000.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	OSM 100M	0.010

Total Length: 2.00 ft      Total Volume: 0.010 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

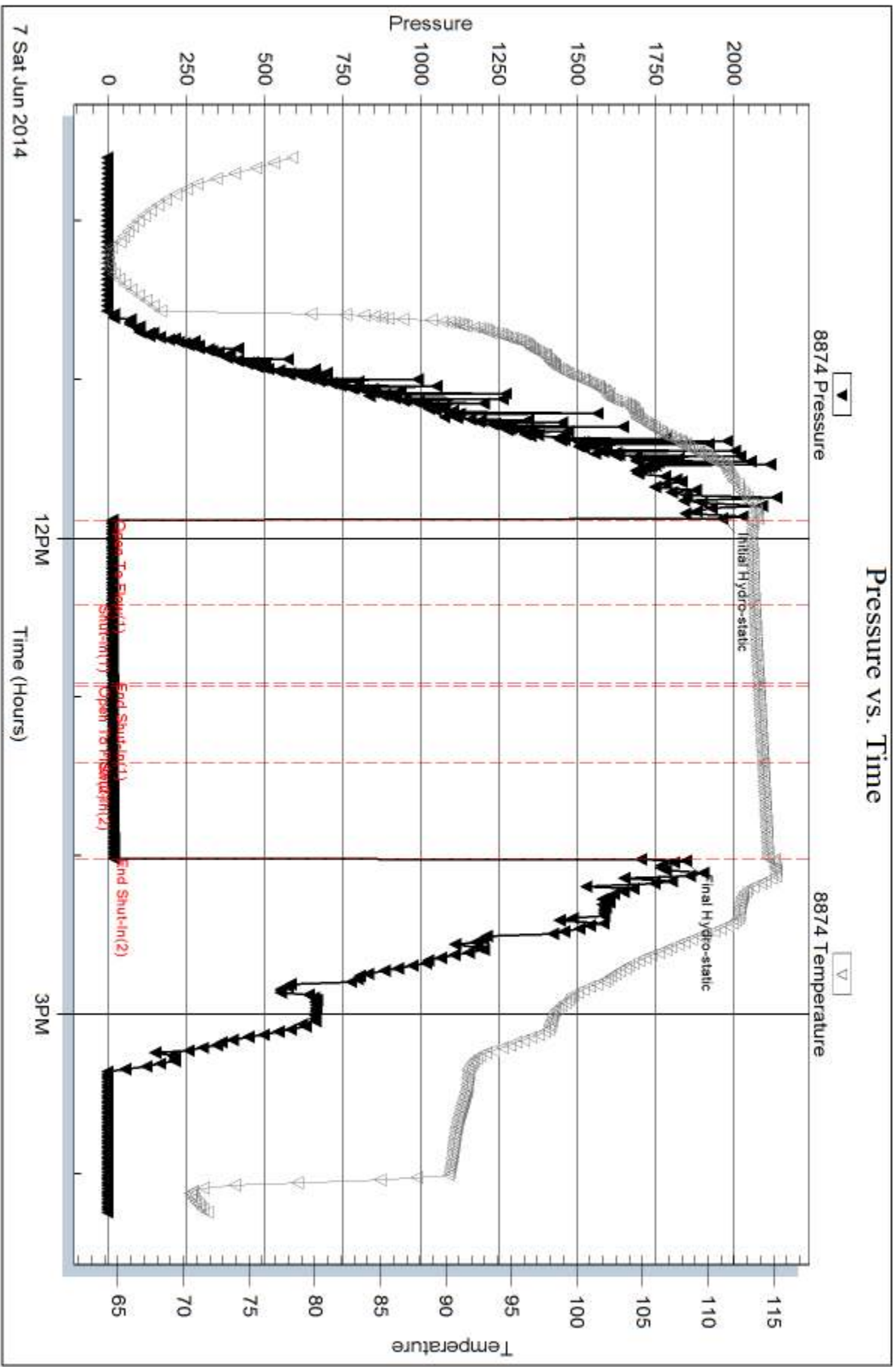
Serial #: 8874

Inside

Stellar Oil Corporation, Inc.

Dairst #1-18

DST Test Number: 1

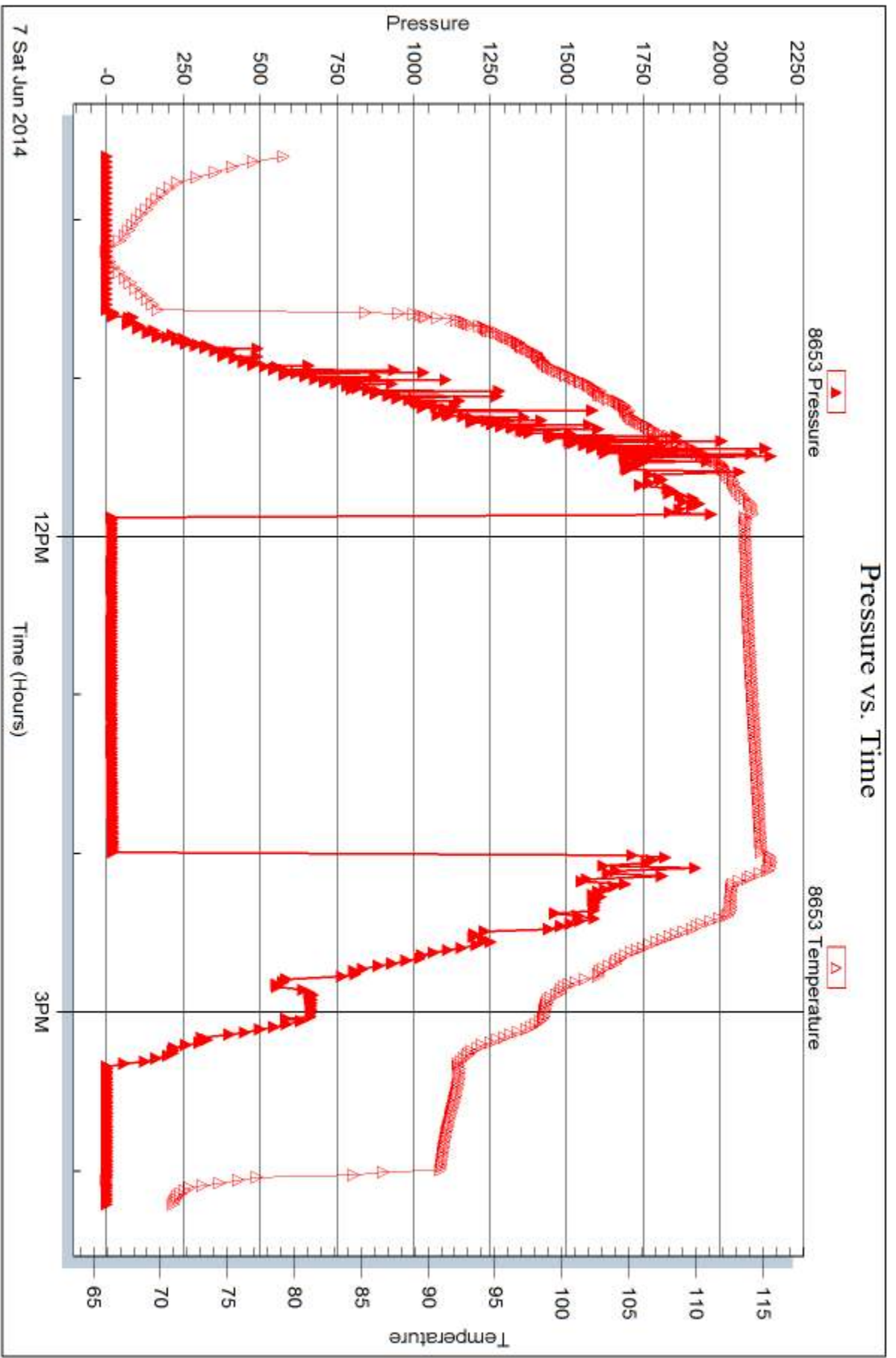


Serial #: 8653

Outside Stellar Oil Corporation, Inc.

Dairy #1-18

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 56849

Printed: 2014.06.13 @ 15:17:06

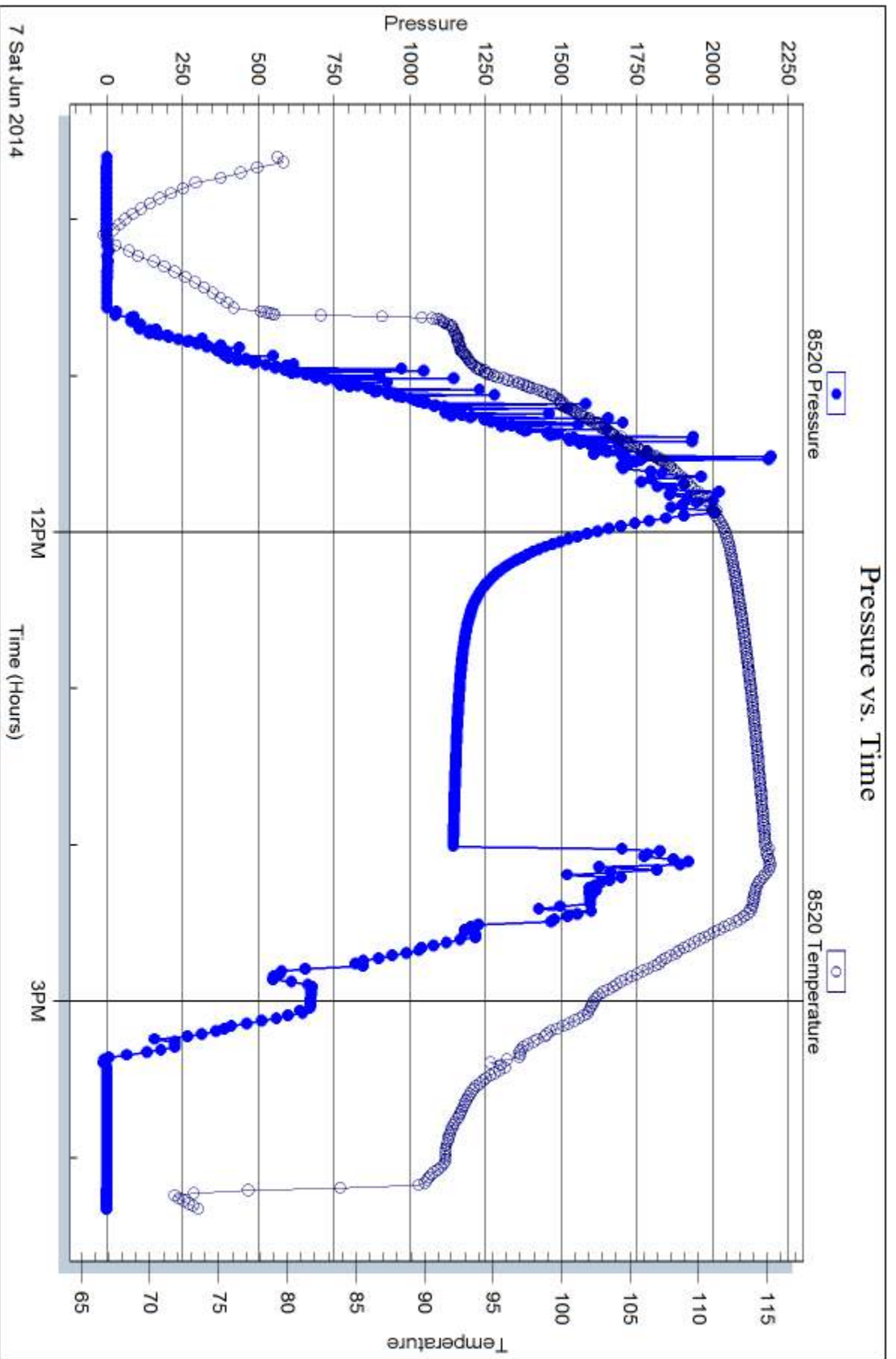


Serial #: 8520

Below (Stratfield) Oil Corporation, Inc.

Dairy #1-18

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **Stelbar Oil Corporation, Inc.**

1625 N. Waterfront Pkwy.  
Wichita, KS 67206

ATTN: Larry Friend

### **Dairy #1-18**

### **18-17s-32w Scott, KS**

Start Date: 2014.06.08 @ 03:07:00

End Date: 2014.06.08 @ 12:52:30

Job Ticket #: 58650                      DST #: 2

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

Printed: 2014.06.13 @ 15:16:40

Stelbar Oil Corporation, Inc.  
18-17s-32w Scott, KS  
Dairy #1-18  
DST # 2  
LKC "C"  
2014.06.08



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Stelbar Oil Corporation, Inc.

**18-17s-32w Scott, KS**

1625 N. Waterfront Pkwy.  
Wichita, KS 67206

**Dairty #1-18**

Job Ticket: 58650

**DST#: 2**

ATTN: Larry Friend

Test Start: 2014.06.08 @ 03:07:00

## GENERAL INFORMATION:

Formation: **LKC "C"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 06:18:00  
 Time Test Ended: 12:52:30  
 Interval: **4002.00 ft (KB) To 4021.00 ft (KB) (TVD)**  
 Total Depth: 4021.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Kevin Mack  
 Unit No: 66  
 Reference Elevations: 2992.00 ft (KB)  
 2981.00 ft (CF)  
 KB to GR/CF: 11.00 ft

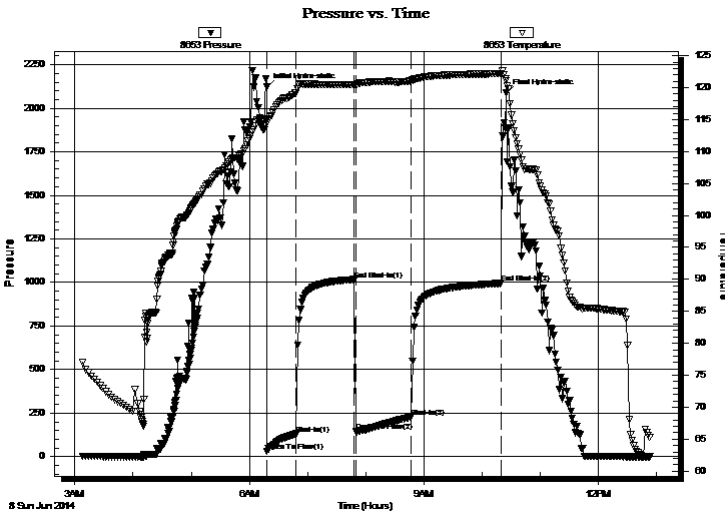
## Serial #: 8653

**Outside**

Press@RunDepth: 228.74 psig @ 4003.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.06.08 End Date: 2014.06.08 Last Calib.: 2014.06.08  
 Start Time: 03:08:00 End Time: 12:52:30 Time On Btm: 2014.06.08 @ 06:17:30  
 Time Off Btm: 2014.06.08 @ 10:24:30

**TEST COMMENT:** 30 - IF- BoB in 16 min  
 60 - IS- Weak Surface Return started at 11 min. Built to 3/4"  
 60 - FF- BoB in 22 min.  
 90 - FS- Surace Return started at 20 min. Built to 1 1/2"

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2120.46	115.19	Initial Hydro-static
1	29.66	114.43	Open To Flow (1)
31	131.53	119.13	Shut-In(1)
91	1017.22	120.45	End Shut-In(1)
92	143.04	120.22	Open To Flow (2)
149	228.74	121.04	Shut-In(2)
242	995.46	122.18	End Shut-In(2)
247	2086.09	121.11	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
126.00	OCMW 20o 50W 30M	0.62
126.00	GMCO 20G 60o 20M	0.89
292.00	Clean Gassy Oil 25G 75o	4.10
0.00	190 GIP 100G	0.00

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Stelbar Oil Corporation, Inc.

**18-17s-32w Scott, KS**

1625 N. Waterfront Pkwy.  
Wichita, KS 67206

**Dairty #1-18**

Job Ticket: 58650

**DST#: 2**

ATTN: Larry Friend

Test Start: 2014.06.08 @ 03:07:00

## Tool Information

Drill Pipe:	Length: 3757.00 ft	Diameter: 3.80 inches	Volume: 52.70 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: 222.00 ft	Diameter: 2.25 inches	Volume: 1.09 bbl	Weight to Pull Loose:	85000.00 lb
			<u>Total Volume: 53.79 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial	7000.00 lb
Depth to Top Packer:	4002.00 ft			Final	72000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	19.00 ft				
Tool Length:	47.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3975.00	
Shut In Tool	5.00			3980.00	
Hydraulic tool	5.00			3985.00	
Jars	5.00			3990.00	
Safety Joint	3.00			3993.00	
Packer	5.00			3998.00	28.00 Bottom Of Top Packer
Packer	4.00			4002.00	
Stubb	1.00			4003.00	
Recorder	0.00	8653	Outside	4003.00	
Recorder	0.00	8874	Inside	4003.00	
Perforations	13.00			4016.00	
Bullnose	5.00			4021.00	19.00 Bottom Packers & Anchor

**Total Tool Length: 47.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Stelbar Oil Corporation, Inc.

**18-17s-32w Scott, KS**

1625 N. Waterfront Pkwy.  
Wichita, KS 67206

**Dairty #1-18**

Job Ticket: 58650

**DST#: 2**

ATTN: Larry Friend

Test Start: 2014.06.08 @ 03:07:00

## 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:

11000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
126.00	OCMW 20o 50W 30M	0.620
126.00	GMCO 20G 60o 20M	0.893
292.00	Clean Gassy Oil 25G 75o	4.096
0.00	190 GIP 100G	0.000

Total Length: 544.00 ft      Total Volume: 5.609 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

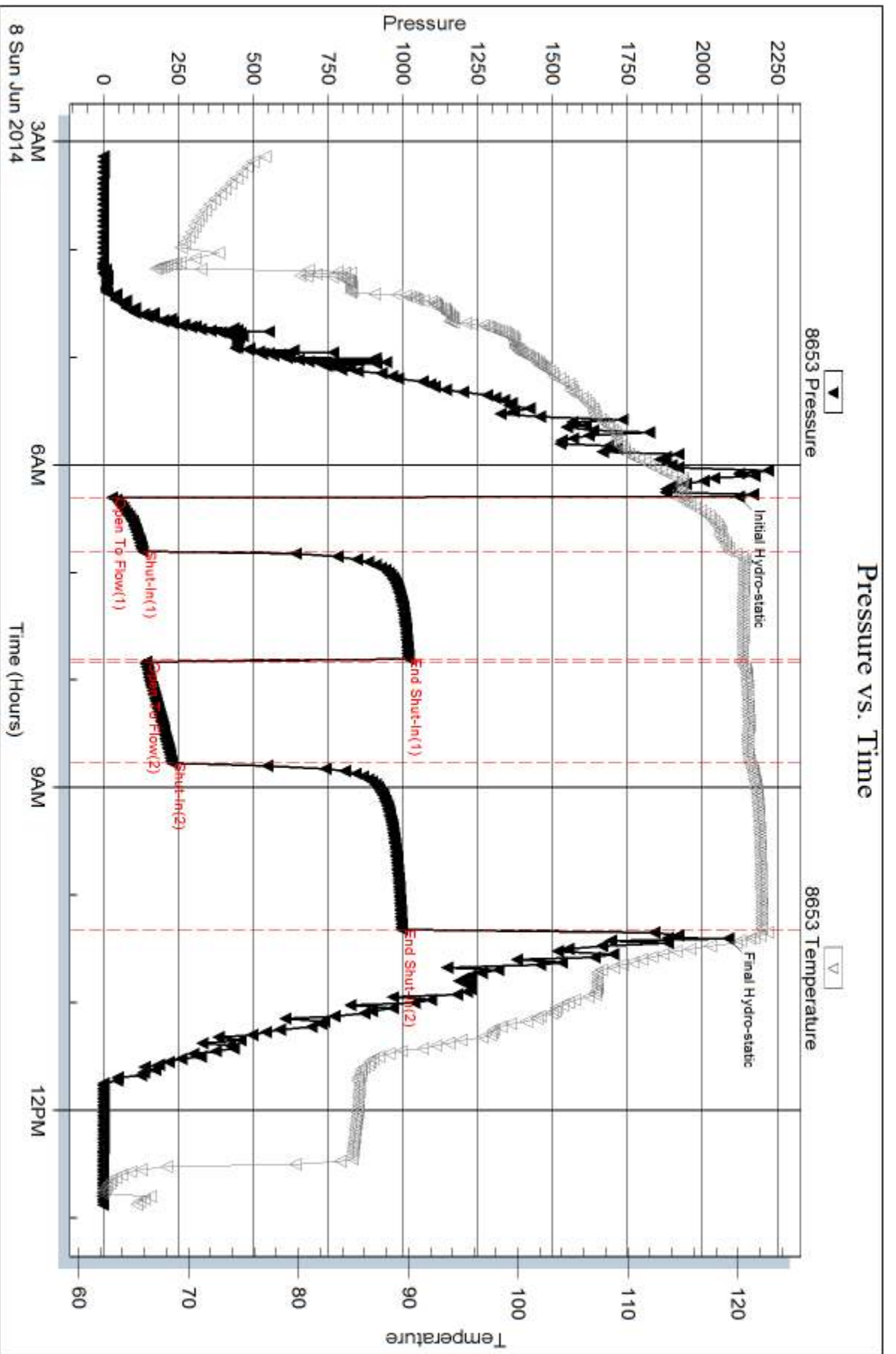
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Oil API 31 @70 = 30

RW .68 @ 67 = 11,000



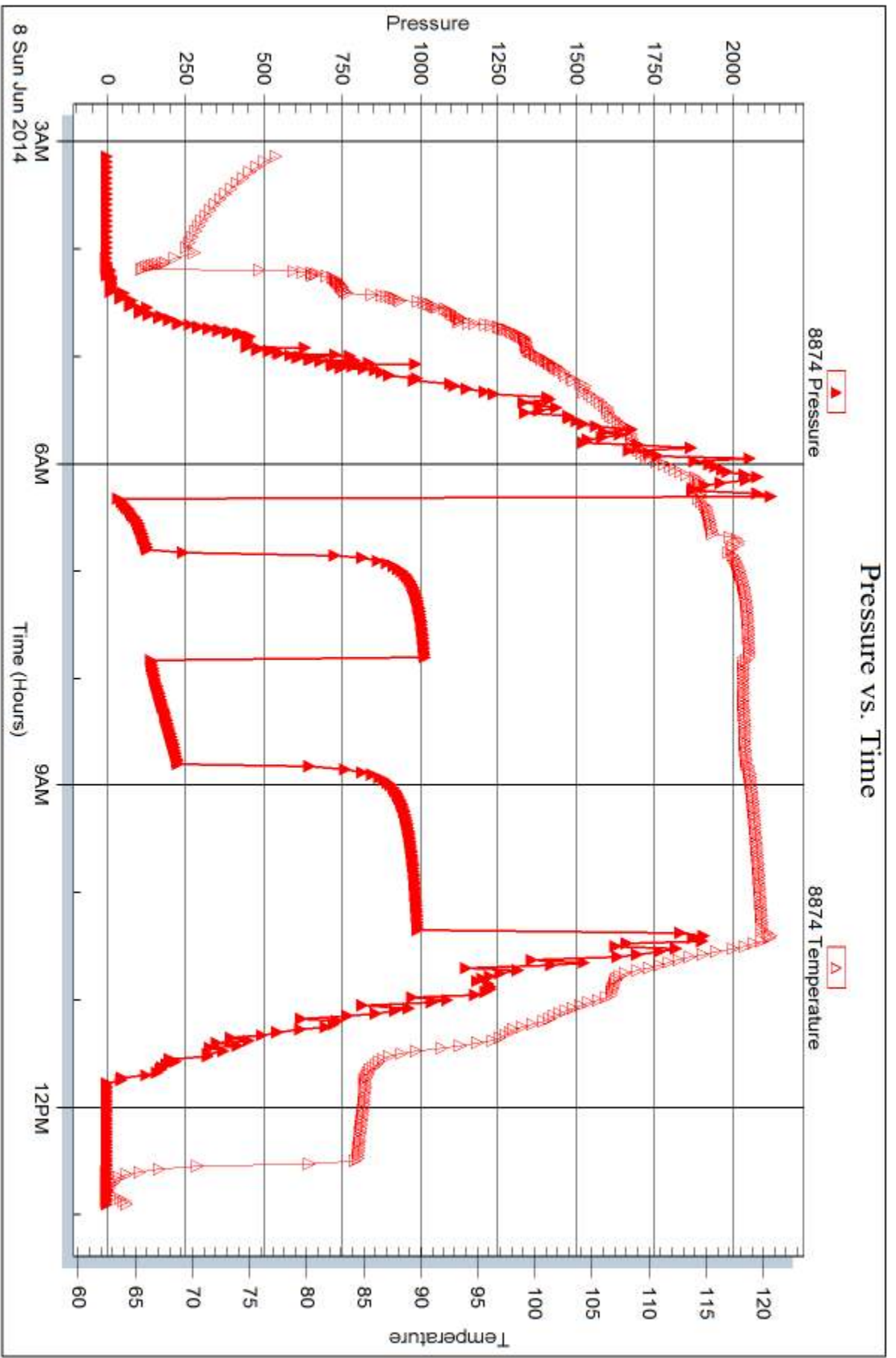
Serial #: 8874

Inside

Stelbar Oil Corporation, Inc.

Dairy #1-18

DST Test Number: 2







## DRILL STEM TEST REPORT

Prepared For: **Stelbar Oil Corporation, Inc.**

1625 N. Waterfront Pkwy.  
Wichita, KS 67206

ATTN: Larry Friend

### **Dairy #1-18**

### **18-17s-32w Scott, KS**

Start Date: 2014.06.10 @ 07:35:00

End Date: 2014.06.10 @ 19:09:00

Job Ticket #: 75018                      DST #: 3

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

Printed: 2014.06.13 @ 15:16:03



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Stelbar Oil Corporation, Inc.

**18-17s-32w Scott, KS**

1625 N. Waterfront Pkwy.  
Wichita, KS 67206

**Dairy #1-18**

Job Ticket: 75018

**DST#: 3**

ATTN: Larry Friend

Test Start: 2014.06.10 @ 07:35:00

## GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:05:30

Time Test Ended: 19:09:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Justin Harris

Unit No: 75

**Interval: 4338.00 ft (KB) To 4410.00 ft (KB) (TVD)**

Total Depth: 4410.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2992.00 ft (KB)

2981.00 ft (CF)

KB to GR/CF: 11.00 ft

**Serial #: 8675 Inside**

Press@RunDepth: 1184.28 psig @ 4341.00 ft (KB)

Start Date: 2014.06.10

End Date:

2014.06.10

Start Time: 07:35:15

End Time:

19:09:00

Capacity: 8000.00 psig

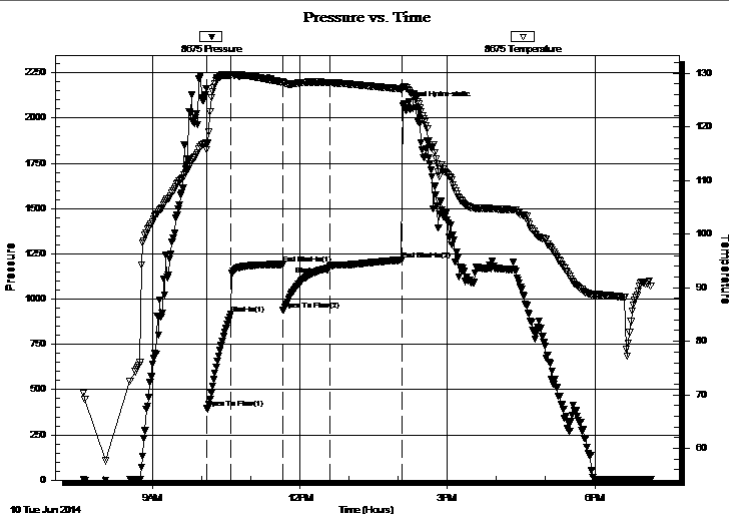
Last Calib.: 2014.06.10

Time On Btm: 2014.06.10 @ 10:05:15

Time Off Btm: 2014.06.10 @ 14:05:15

**TEST COMMENT:** 30: B.O.B in 1 min  
60: Return B.O.B 17 min  
60: B.O.B 45 sec  
90: Weak blow died 10 mins

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2163.95	116.94	Initial Hydro-static
1	396.63	115.72	Open To Flow (1)
30	919.32	129.72	Shut-In(1)
94	1192.17	128.33	End Shut-In(1)
94	937.91	128.17	Open To Flow (2)
152	1184.28	128.24	Shut-In(2)
239	1216.44	127.09	End Shut-In(2)
240	2066.39	127.31	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
182.00	mco 80	0.90
2646.00	clean oil	36.15
0.00	1070' gas in pipe	0.00

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Stelbar Oil Corporation, Inc.

**18-17s-32w Scott, KS**

1625 N. Waterfront Pkwy.  
Wichita, KS 67206

**Dairty #1-18**

Job Ticket: 75018

**DST#: 3**

ATTN: Larry Friend

Test Start: 2014.06.10 @ 07:35:00

## Tool Information

Drill Pipe:	Length: 4041.50 ft	Diameter: 3.80 inches	Volume: 56.69 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 288.00 ft	Diameter: 2.25 inches	Volume: 1.42 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 58.11 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 75000.00 lb
Depth to Top Packer:	4338.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	72.00 ft			
Tool Length:	96.50 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			4314.50	
Shut In Tool	5.00			4319.50	
Sampler	2.00			4321.50	
Hydraulic tool	5.00			4326.50	
Safety Joint	2.50			4329.00	
Packer	5.00			4334.00	24.50 Bottom Of Top Packer
Packer	4.00			4338.00	
Stubb	1.00			4339.00	
Perforations	1.00			4340.00	
Change Over Sub	1.00			4341.00	
Recorder	0.00	8675	Inside	4341.00	
Recorder	0.00	8650	Outside	4341.00	
Drill Pipe	63.00			4404.00	
Change Over Sub	1.00			4405.00	
Perforations	2.00			4407.00	
Bullnose	3.00			4410.00	72.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>96.50</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Stelbar Oil Corporation, Inc.

**18-17s-32w Scott, KS**

1625 N. Waterfront Pkw y.  
Wichita, KS 67206

**Dairty #1-18**

Job Ticket: 75018

**DST#: 3**

ATTN: Larry Friend

Test Start: 2014.06.10 @ 07:35:00

## Mud and Cushion Information

Mud Type: Invert	Cushion Type:	Oil API:	26 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.97 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
182.00	mco 80	0.895
2646.00	clean oil	36.151
0.00	1070' gas in pipe	0.000

Total Length: 2828.00 ft      Total Volume: 37.046 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8675

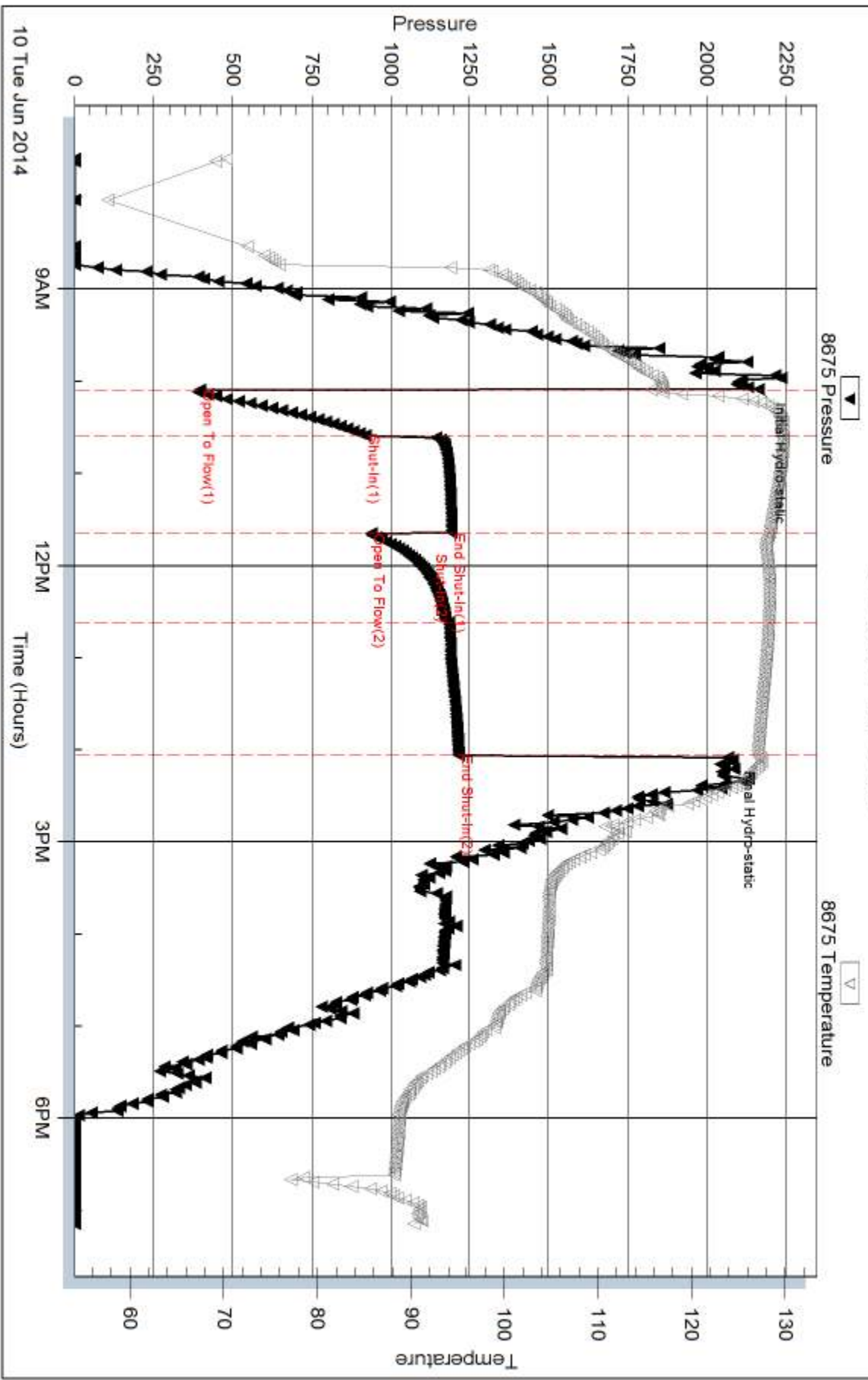
Inside

Starbar Oil Corporation, Inc.

Dairsty #1-18

DST Test Number: 3

### Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 75018

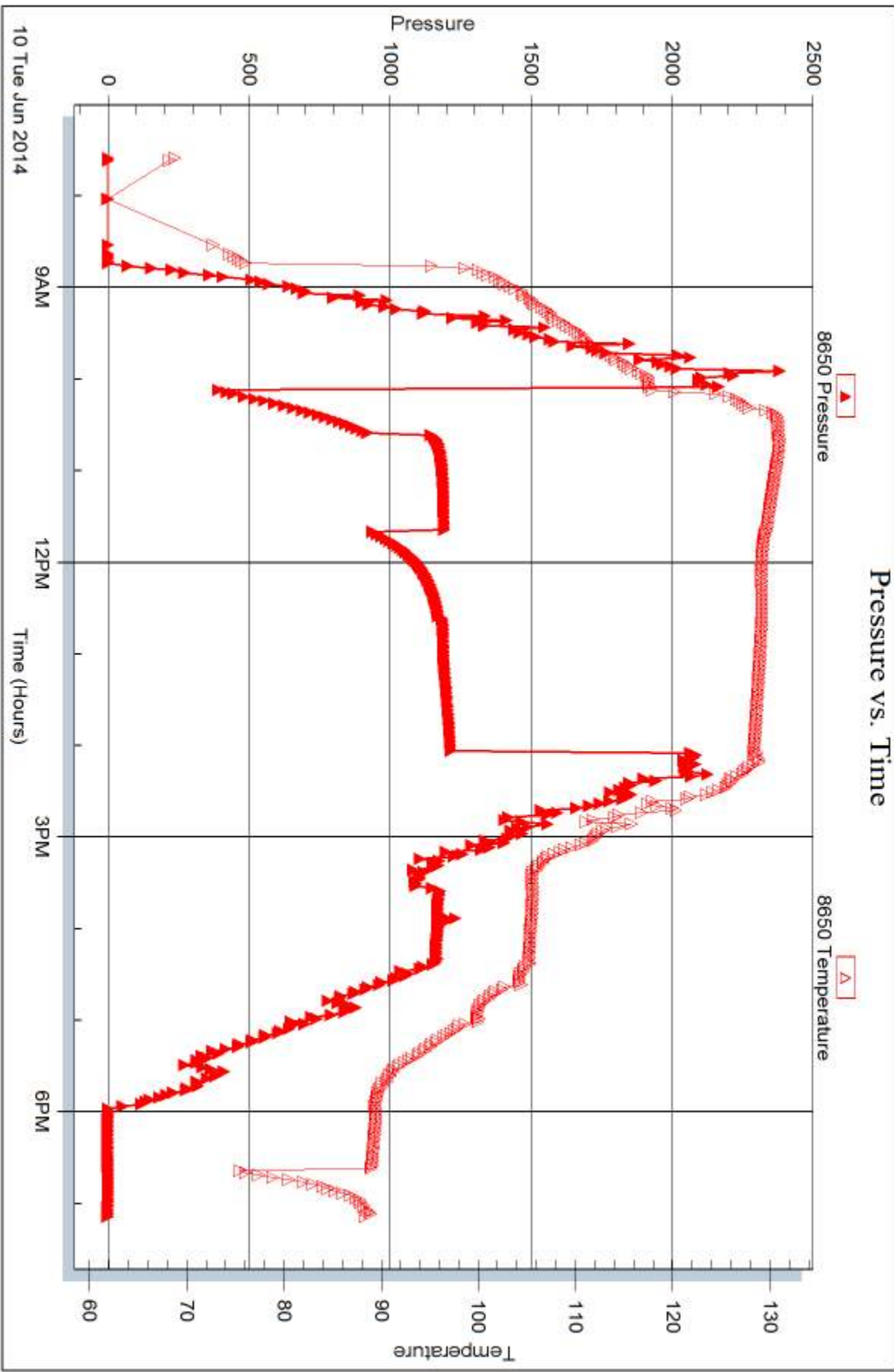
Printed: 2014.06.13 @ 15:16:04

Serial #: 8650

Outside Stellar Oil Corporation, Inc.

Dairy #1-18

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 75018

Printed: 2014.06.13 @ 15:16:04



## DRILL STEM TEST REPORT

Prepared For: **Stelbar Oil Corporation, Inc.**

1625 N. Waterfront Pkwy.  
Wichita, KS 67206

ATTN: Larry Friend

### **Dairty #1-18**

### **18-17s-32w Scott, KS**

Start Date: 2014.06.11 @ 19:35:00

End Date: 2014.06.12 @ 03:28:00

Job Ticket #: 57019                      DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.06.13 @ 15:14:56

Stelbar Oil Corporation, Inc.  
18-17s-32w Scott, KS  
Dairty #1-18  
DST # 4  
Johnson  
2014.06.11





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Stelbar Oil Corporation, Inc.

**18-17s-32w Scott, KS**

1625 N. Waterfront Pkwy.  
Wichita, KS 67206

**Dairy #1-18**

Job Ticket: 57019

**DST#: 4**

ATTN: Larry Friend

Test Start: 2014.06.11 @ 19:35:00

## GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:07:00

Time Test Ended: 03:28:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Justin Harris

Unit No: 75

**Interval: 4551.00 ft (KB) To 4625.00 ft (KB) (TVD)**

Reference Elevations: 2992.00 ft (KB)

Total Depth: 4625.00 ft (KB) (TVD)

2981.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 11.00 ft

**Serial #: 8675**

**Inside**

Press@RunDepth: 33.33 psig @ 4558.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.06.11

End Date:

2014.06.12

Last Calib.:

2014.06.12

Start Time: 19:35:15

End Time:

03:28:00

Time On Btm:

2014.06.11 @ 23:06:45

Time Off Btm:

2014.06.12 @ 01:11:00

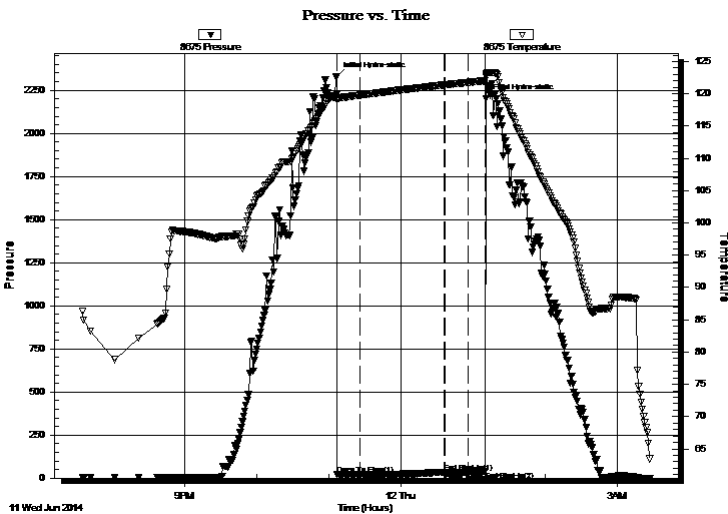
TEST COMMENT: 30: 1/2" Blow died in 10 min

30: No Return

30: No Blow

30: No Return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2331.24	119.82	Initial Hydro-static
1	20.60	119.03	Open To Flow (1)
20	23.06	119.78	Shut-In(1)
90	35.10	121.37	End Shut-In(1)
90	25.43	121.37	Open To Flow (2)
110	33.33	121.75	Shut-In(2)
124	38.78	122.02	End Shut-In(2)
125	2200.16	122.69	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud	0.02

\* 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 Corporation, Inc.

**18-17s-32w Scott, KS**

1625 N. Waterfront Pkwy.  
Wichita, KS 67206

**Dairty #1-18**

Job Ticket: 57019

**DST#: 4**

ATTN: Larry Friend

Test Start: 2014.06.11 @ 19:35:00

## Tool Information

Drill Pipe:	Length: 4256.50 ft	Diameter: 3.80 inches	Volume: 59.71 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 288.00 ft	Diameter: 2.25 inches	Volume: 1.42 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 61.13 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	4551.00 ft			Final 73000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	74.00 ft			
Tool Length:	98.50 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

**Length (ft) Serial No. Position Depth (ft) Accum. Lengths**

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4527.50	
Shut In Tool	5.00			4532.50	
Sampler	2.00			4534.50	
Hydraulic tool	5.00			4539.50	
Safety Joint	2.50			4542.00	
Packer	5.00			4547.00	24.50 Bottom Of Top Packer
Packer	4.00			4551.00	
Stubb	1.00			4552.00	
Perforations	5.00			4557.00	
Change Over Sub	1.00			4558.00	
Recorder	0.00	8675	Inside	4558.00	
Recorder	0.00	8650	Outside	4558.00	
Drill Pipe	63.00			4621.00	
Change Over Sub	1.00			4622.00	
Bullnose	3.00			4625.00	74.00 Bottom Packers & Anchor

**Total Tool Length: 98.50**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Stelbar Oil Corporation, Inc.

**18-17s-32w Scott, KS**

1625 N. Waterfront Pkwy.  
Wichita, KS 67206

**Dairty #1-18**

Job Ticket: 57019

**DST#: 4**

ATTN: Larry Friend

Test Start: 2014.06.11 @ 19:35:00

### 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:

0 ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4100.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

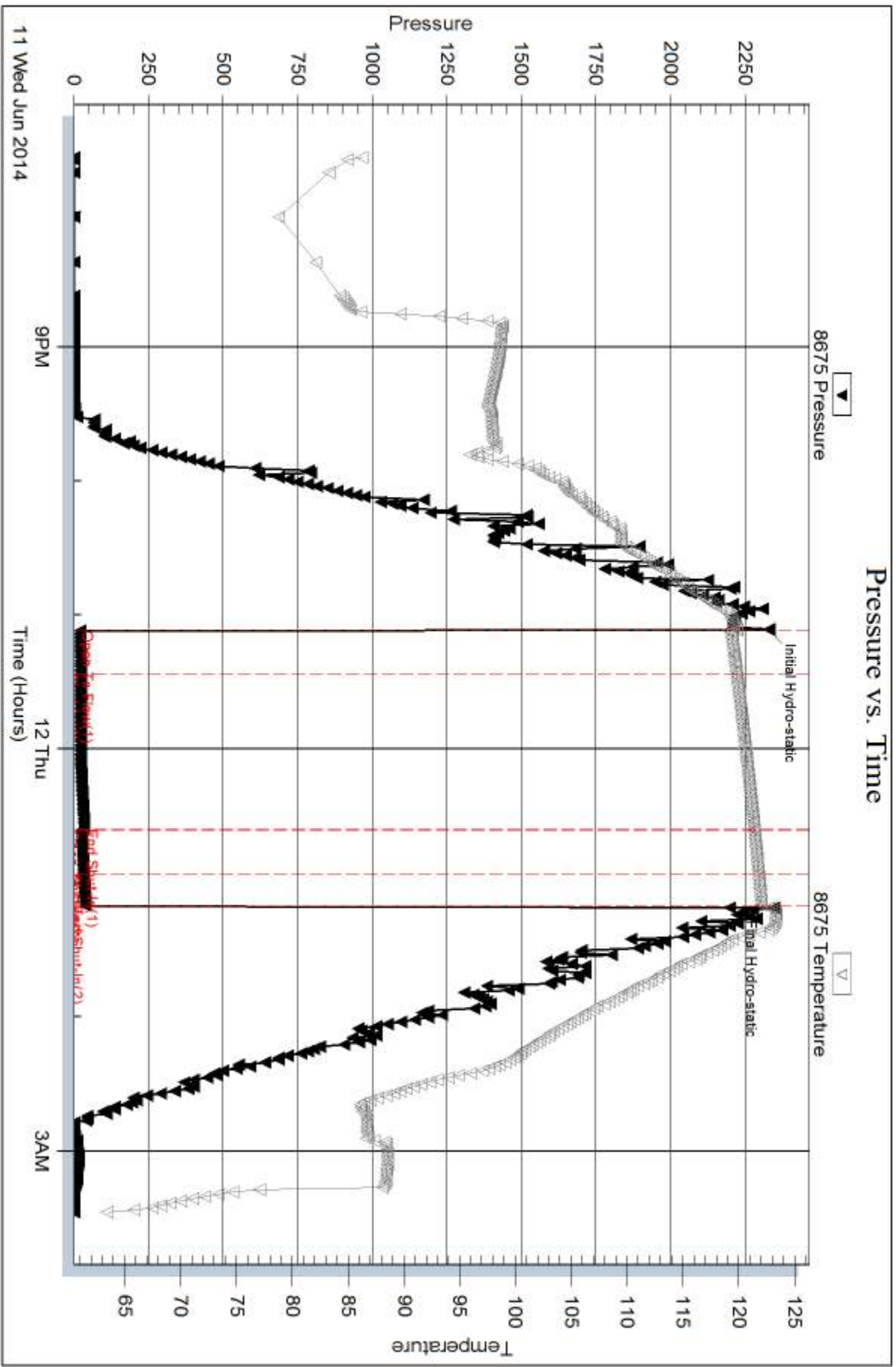
Serial #: 8675

Inside

Stellar Oil Corporation, Inc.

Dairy #1-18

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 57019

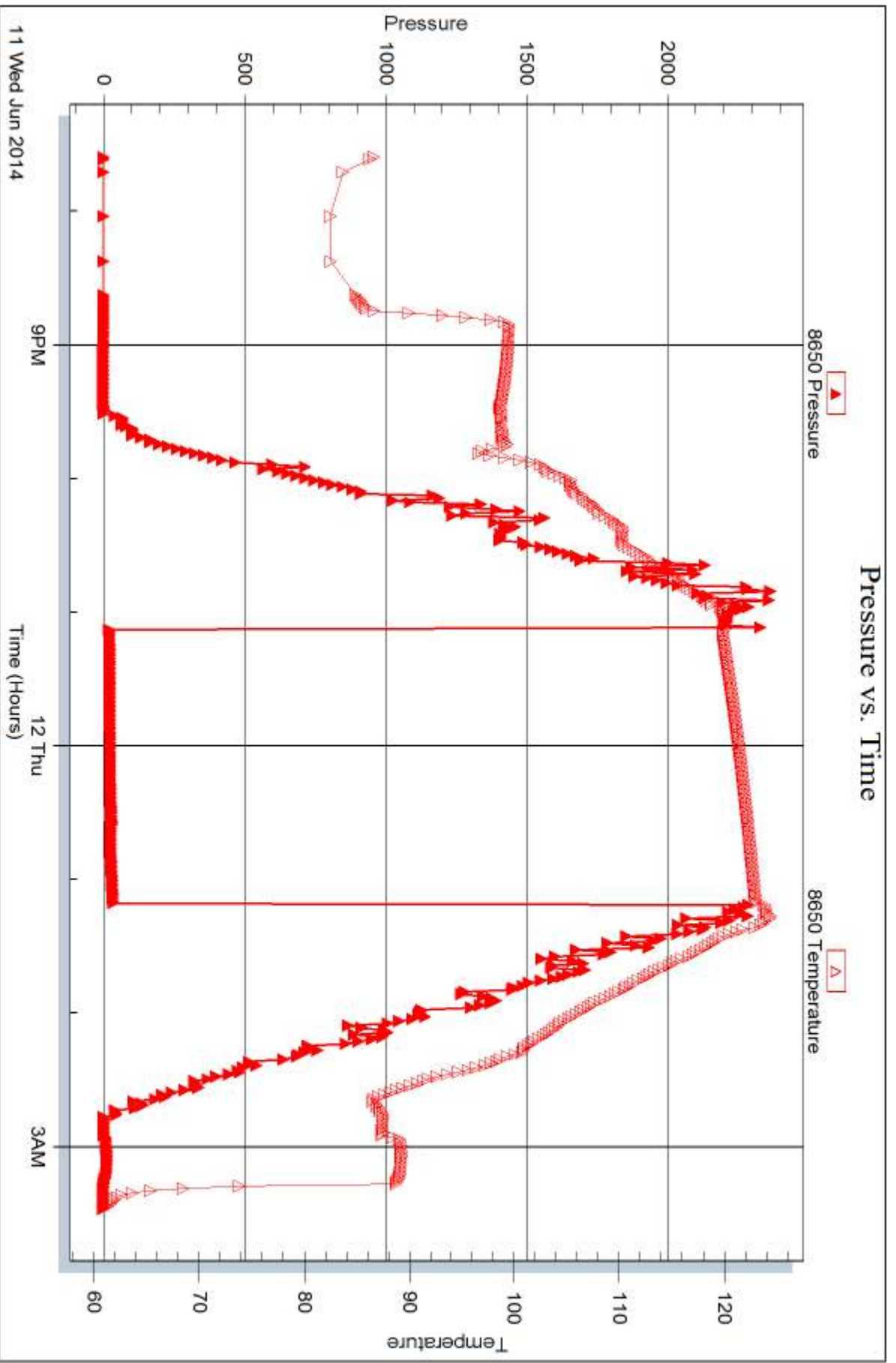
Printed: 2014.06.13 @ 15:14:57

Serial #: 8650

Outside Stebar Oil Corporation, Inc.

Dairy #1-18

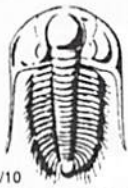
DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 57019

Printed: 2014.06.13 @ 15:14:57



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 56849

Well Name & No. Dairy #1-18 Test No. 1 Date 6-7-14  
 Company Stelbur Oil Corporation, Inc. Elevation 2981 KB 2992 GL  
 Address 1625 N. Waterfront Pkwy Wichita, KS 67206  
 Co. Rep / Geo. Larry Friend Rig Sterling #2  
 Location: Sec. 18 Twp. 17S Rge. 32 W Co. Scott State KS

Interval Tested 3797-3813 Zone Tested Topeka  
 Anchor Length 16' Drill Pipe Run 3590 Mud Wt. 10.00  
 Top Packer Depth 3793 Drill Collars Run 191' Vis 32  
 Bottom Packer Depth 3797-3813-Straddle Wt. Pipe Run 0 WL NIC  
 Total Depth 3944 Chlorides 21,00000 ppm System LCM 1#  
 Blow Description IF-Surface Blow died in 10 min.  
ISI- NO Return  
FF- NO Blow  
FST- NO Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>2</u>	<u>OSM</u>	<u>SPOTS</u>		<u>100</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 2 BHT 115 Gravity - API RW - @ - ° F Chlorides - ppm

(A) Initial Hydrostatic <u>1962</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>8:15 AM</u>
(B) First Initial Flow <u>12</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>9:35 AM</u>
(C) First Final Flow <u>13</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>11:55 AM</u>
(D) Initial Shut-In <u>15</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>1:55 PM</u>
(E) Second Initial Flow <u>13</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>4:15 PM</u>
(F) Second Final Flow <u>13</u>	<input checked="" type="checkbox"/> Mileage <u>205 RT</u> 34.10	Comments
(G) Final Shut-In <u>18</u>	<input checked="" type="checkbox"/> Sampler <u>250</u>	
(H) Final Hydrostatic <u>1848</u>	<input checked="" type="checkbox"/> Straddle <u>600</u>	<input type="checkbox"/> Ruined Shale Packer
	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>2609.10</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>2609.10</u>	

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

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



# TRILOBITE TESTING, INC.

1515 Commerce Parkway • Hays, Kansas 67601

## FLUID SAMPLER DATA

Ticket No. 56849 Date 6-7-14  
 Company Name Stelbar Oil Corp., Inc.  
 Lease Dairy #1-18 Test No. 1  
 County Scott, KS Sec. 18 Twp. 7S Rng. 32W

### SAMPLER RECOVERY

Gas - ML  
 Oil spots ML  
 Mud 2000s ML  
 Water \_\_\_\_\_ ML  
 Other - ML  
 Pressure 10 psi ML  
 Total 2000s ML

### PIT MUD ANALYSIS

Chlorides 21,000 ppm.  
 Resistivity - ohms @ \_\_\_\_\_ F  
 Viscosity 32  
 Mud Weight 10  
 Filtrate N-C  
 Other \_\_\_\_\_

### SAMPLER ANALYSIS

Resistivity - ohms @ \_\_\_\_\_ F  
 Chlorides - ppm.  
 Gravity - corrected @60F

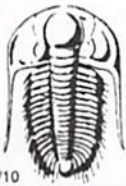
### PIPE RECOVERY

**TOP**  
 Resistivity - ohms @ \_\_\_\_\_ F  
 Chlorides - ppm.

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

**BOTTOM**  
 Resistivity - ohms @ \_\_\_\_\_ F  
 Chlorides - ppm.





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 56850

4/10

Well Name & No. Dairy #148 Test No. 2 Date \_\_\_\_\_  
 Company Stelbur Oil Corp., Inc. Elevation 2992 KB 2981 GL \_\_\_\_\_  
 Address 1625 N. Waterfront Pkwy. Wichita, KS 67206  
 Co. Rep / Geo. Larry Friend Rig Sterling #2  
 Location: Sec. 18 Twp. 17S Rge. 32W Co. Scott State KS

Interval Tested 4002 - 4021 Zone Tested LKC "C"  
 Anchor Length 19' Drill Pipe Run 3757 Mud Wt. 9.2  
 Top Packer Depth 3998 Drill Collars Run 222 Vis 50  
 Bottom Packer Depth 4002 Wt. Pipe Run 0 WL 7.2  
 Total Depth 4021 Chlorides 3.0000 ppm System LCM 2#  
 Blow Description IF-BoB in 16 min  
ISI-Surface Return Started at 11 min. Built to 3/4"  
FF-BoB in 22 min  
FSI-Surface Return Started at 20 min. Built to 1/2"

Rec	Feet of	%gas	%oil	%water	%mud
292	Clean Gassy Oil	25	75		
126	GMCO	20	60		20
126	OCMW	0000	20	50	30
190	GIP	100			
544	BHT 122	Gravity 30	API RW 60	@ 67 °F	Chlorides 11,000 ppm

(A) Initial Hydrostatic 2120  Test 1250 T-On Location 2:45 AM  
 (B) First Initial Flow 29  Jars 250 T-Started 3:07 AM  
 (C) First Final Flow 131  Safety Joint 75 T-Open 6:17 AM  
 (D) Initial Shut-In 1017  Circ Sub T-Pulled 10:17 AM  
 (E) Second Initial Flow 143  Hourly Standby T-Out 1:00 PM  
 (F) Second Final Flow 228  Mileage 34.10 Comments \_\_\_\_\_  
 (G) Final Shut-In 995  Sampler 250 \_\_\_\_\_  
 (H) Final Hydrostatic 2086  Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_  
 Sub Total 1859.10

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

Sub Total 1859.10  
 Total 1859.10  
 MP/DST Disc't \_\_\_\_\_

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

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# TRILOBITE TESTING, INC.

1515 Commerce Parkway • Hays, Kansas 67601

## FLUID SAMPLER DATA

Ticket No. 56850 Date 6-8-14  
 Company Name Stelbur Oil Corp., Inc.  
 Lease Dairy #1-18 Test No. 2  
 County Scott, KS Sec. 18 Twp. 17S Rng. 32W

### SAMPLER RECOVERY

Gas ~~2000~~ 2600 ML  
 Oil 800 ML  
 Mud 2000 ML  
 Water 800 ML  
 Other - ML  
 Pressure 175 PSI ML  
 Total 20000 ML

### PIT MUD ANALYSIS

Chlorides 3,000 ppm.  
 Resistivity - ohms @ - F  
 Viscosity 50  
 Mud Weight 9.2  
 Filtrate 7.2  
 Other cake = 1

### SAMPLER ANALYSIS

Resistivity .68 ohms @ 67 F  
 Chlorides 11,000 ppm.  
 Gravity 30 corrected @60F

### PIPE RECOVERY

**TOP**  
 Resistivity .68 ohms @ 67 F  
 Chlorides 11,000 ppm.

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

**BOTTOM**  
 Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F  
 Chlorides \_\_\_\_\_ ppm.





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 57018

4/10

Well Name & No. Dairy 1-18 Test No. #3 Date 6-10-14  
 Company Stellar oil corporation Inc. Elevation 2932 KB 2932 GL  
 Address 1625 N Waterfront PKWY Wichita KS 67206-6602  
 Co. Rep / Geo. Larry Friend Rig Sterling #2  
 Location: Sec. 18 Twp. 17s Rge. 32 w Co. Scott county State KS

Interval Tested 4338 4410 Zone Tested Marmaton  
 Anchor Length 72 Drill Pipe Run 4041.5 Mud Wt. 9.2  
 Top Packer Depth 4333 Drill Collars Run 288 Vis 53  
 Bottom Packer Depth 4338 Wt. Pipe Run Ø WL 8  
 Total Depth 4410 Chlorides 4000 ppm System LCM 3#

Blow Description 30 B.O.B in 1 min  
60 Return B.O.B 17 min  
60 B.O.B in 45 sec  
90 weak blow died 10 mins

Rec	Feet of	%gas	%oil	%water	%mud
<u>2646</u>	<u>clean oil</u>	<u>5</u>	<u>95</u>		
<u>182</u>	<u>mco</u>		<u>80</u>		<u>20</u>
<u>10000</u>	<u>1070' gas in pipe</u>	<u>100</u>			

Rec Total 2898 BHT 127 Gravity 26 @ 60°F API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2164</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>2:45</u>
(B) First Initial Flow <u>396</u>	<input type="checkbox"/> Jars	T-Started <u>7:35</u>
(C) First Final Flow <u>919</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>10:06</u>
(D) Initial Shut-In <u>1192</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>14:06</u>
(E) Second Initial Flow <u>938</u>	<input type="checkbox"/> Hourly Standby <u>5.75h 575</u>	T-Out <u>19:09</u>
(F) Second Final Flow <u>1134</u>	<input checked="" type="checkbox"/> Mileage <u>22 RT</u> 34.10	Comments <u>Geo told him to head to</u>
(G) Final Shut-In <u>1214</u>	<input checked="" type="checkbox"/> Sampler <u>250</u>	<u>the rig for a test at 2</u>
(H) Final Hydrostatic <u>2066</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies

Initial Open 30  
 Initial Shut-In 60  
 Final Flow 60  
 Final Shut-In 90  
 Sub Total 2184.10

Approved By Larry Friend Our Representative Justin Han

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# TRILOBITE TESTING, INC.

1515 Commerce Parkway • Hays, Kansas 67601

## FLUID SAMPLER DATA

Ticket No. 57018 Date 6-10-14  
 Company Name Stelbar Oil Corporation, Inc.  
 Lease Dairy #1-18 Test No. #3  
 County Scott Sec. 18 Twp. 17s Rng. 32w

### SAMPLER RECOVERY

Gas 1.5 cubic-ft ~~ML~~  
 Oil 700 ML  
 Mud \_\_\_\_\_ ML  
 Water \_\_\_\_\_ ML  
 Other \_\_\_\_\_ ML  
 Pressure 1450 PSI ~~ML~~  
 Total 700 mL oil 1.5 cubic-ft gas ML

### PIT MUD ANALYSIS

Chlorides 4000 ppm.  
 Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F  
 Viscosity 53  
 Mud Weight 9.2  
 Filtrate 8  
 Other \_\_\_\_\_

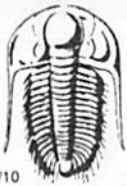
### SAMPLER ANALYSIS

Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F  
 Chlorides \_\_\_\_\_ ppm.  
 Gravity 30° @ 100° F.  
corrected to 26 corrected @60F

### PIPE RECOVERY

**TOP**  
 Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F  
 Chlorides \_\_\_\_\_ ppm.  
**MIDDLE**  
 Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F  
 Chlorides \_\_\_\_\_ ppm.  
**BOTTOM**  
 Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F  
 Chlorides \_\_\_\_\_ ppm.





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 57019

4/10

Well Name & No. Dairy #1-18 Test No. 4 Date 6-11-14  
 Company Stellar oil corporation, Inc. Elevation 2992 KB 2982 GL  
 Address 1625 N Waterfront Pkwy Wichita Ks 67206-6602  
 Co. Rep / Geo. Larry Friend Rig \_\_\_\_\_  
 Location: Sec. 18 Twp. 17 Rge. 32w Co. Scott county State Ks

Interval Tested 4551 4625 Zone Tested Johnson  
 Anchor Length 74 Drill Pipe Run 4256.5 Mud Wt. 9.1  
 Top Packer Depth 4546 Drill Collars Run 288 Vis 45  
 Bottom Packer Depth 4551 Wt. Pipe Run Ø WL 8.8  
 Total Depth 4625 Chlorides 4100 ppm System LCM 1#

Blow Description 30 1/2 Blow Died in 10min  
30 No Return  
30 No Blow  
30 No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>mud</u>			<u>100</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 5 BHT 122 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ ° F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic <u>2331</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>18:15</u>
(B) First Initial Flow <u>21</u>	<input type="checkbox"/> Jars _____	T-Started <u>19:25</u>
(C) First Final Flow <u>23</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>10:56</u>
(D) Initial Shut-In <u>35</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>12:56</u>
(E) Second Initial Flow <u>25</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>2:30</u>
(F) Second Final Flow <u>33</u>	<input checked="" type="checkbox"/> Mileage <u>22 RT</u> 34.10	Comments _____
(G) Final Shut-In <u>39</u>	<input checked="" type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>2200</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____

Initial Open 30  Shale Packer \_\_\_\_\_  
 Initial Shut-In 30  Extra Packer \_\_\_\_\_  
 Final Flow 30  Extra Recorder \_\_\_\_\_  
 Final Shut-In 30  Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_  
 Sub Total 1359.10 MP/DST Disc't \_\_\_\_\_

Approved By Larry Friend Our Representative Justin Harris

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# TRILOBITE TESTING, INC.

1515 Commerce Parkway • Hays, Kansas 67601

## FLUID SAMPLER DATA

Ticket No. 57019 Date 6-11-14

Company Name Stellar Oil Corporation, Inc.

Lease Dairy #1-18 Test No. 4

County Scott Sec. 18 Twp. 17 Rng. 32w

### SAMPLER RECOVERY

Gas ~~0~~ ML  
 Oil ~~0~~ ML  
 Mud ~~0~~ ML  
 Water ~~0~~ ML  
 Other ~~0~~ ML  
 Pressure ~~0~~ ML  
 Total ~~0~~ ML

### PIT MUD ANALYSIS

Chlorides 4100 ppm.  
 Resistivity — ohms @ — F  
 Viscosity 45  
 Mud Weight 9.1  
 Filtrate 8.8  
 Other \_\_\_\_\_

### SAMPLER ANALYSIS

Resistivity — ohms @ — F  
 Chlorides \_\_\_\_\_ ppm.  
 Gravity — corrected @60F

### PIPE RECOVERY

**TOP**  
 Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F  
 Chlorides \_\_\_\_\_ ppm.

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

**BOTTOM**  
 Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F  
 Chlorides \_\_\_\_\_ ppm.