



DRILL STEM TEST REPORT

Prepared For: **Stelbar Oil Corporation**

1625 N Waterfront Pkwy
Wichita KS 67206

ATTN: Dave Goldak

Rodenberg #1-19

19-16s-31w Scott,KS

Start Date: 2013.11.23 @ 05:40:15

End Date: 2013.11.23 @ 11:46:30

Job Ticket #: 54703 DST #: 1

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

Printed: 2013.11.29 @ 12:47:05



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Stelbar Oil Corporation
1625 N Waterfront Pkwy
Wichita KS 67206
ATTN: Dave Goldak

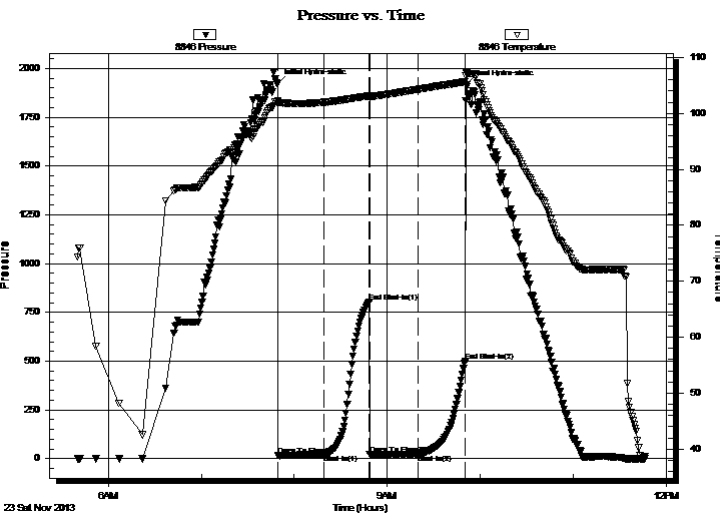
19-16s-31w Scott,KS
Rodenberg #1-19
Job Ticket: 54703 **DST#: 1**
Test Start: 2013.11.23 @ 05:40:15

GENERAL INFORMATION:

Formation: **LKC "B"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:49:30
Time Test Ended: 11:46:30
Test Type: Conventional Bottom Hole (Initial)
Tester: Mike Roberts
Unit No: 65
Interval: **3992.00 ft (KB) To 4014.00 ft (KB) (TVD)**
Reference Elevations: 2957.00 ft (KB)
Total Depth: 4014.00 ft (KB) (TVD) 2952.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 8846 Outside
Press@RunDepth: 21.73 psig @ 3993.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.11.23 End Date: 2013.11.23 Last Calib.: 2013.11.23
Start Time: 05:40:15 End Time: 11:46:30 Time On Btm: 2013.11.23 @ 07:49:15
Time Off Btm: 2013.11.23 @ 09:51:15

TEST COMMENT: IF: Built to 1 1/8" blow
IS: No return blow
FF: Built to 3/4" blow
FS: No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1923.51	102.19	Initial Hydro-static
1	15.96	101.78	Open To Flow (1)
31	19.51	102.00	Shut-In(1)
60	801.26	103.12	End Shut-In(1)
60	21.32	102.84	Open To Flow (2)
91	21.73	104.29	Shut-In(2)
121	498.34	105.68	End Shut-In(2)
122	1916.80	107.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	mco 40% m 60% o	0.21

Gas Rates

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



DRILL STEM TEST REPORT

Stelbar Oil Corporation
1625 N Waterfront Pkw y
Wichita KS 67206
ATTN: Dave Goldak

19-16s-31w Scott,KS

Rodenberg #1-19

Job Ticket: 54703

DST#: 1

Test Start: 2013.11.23 @ 05:40:15

GENERAL INFORMATION:

Formation: **LKC "B"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:49:30

Time Test Ended: 11:46:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Mike Roberts

Unit No: 65

Interval: **3992.00 ft (KB) To 4014.00 ft (KB) (TVD)**

Total Depth: 4014.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2957.00 ft (KB)

2952.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8737

Inside

Press@RunDepth: psig @ 3993.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.11.23 End Date: 2013.11.23

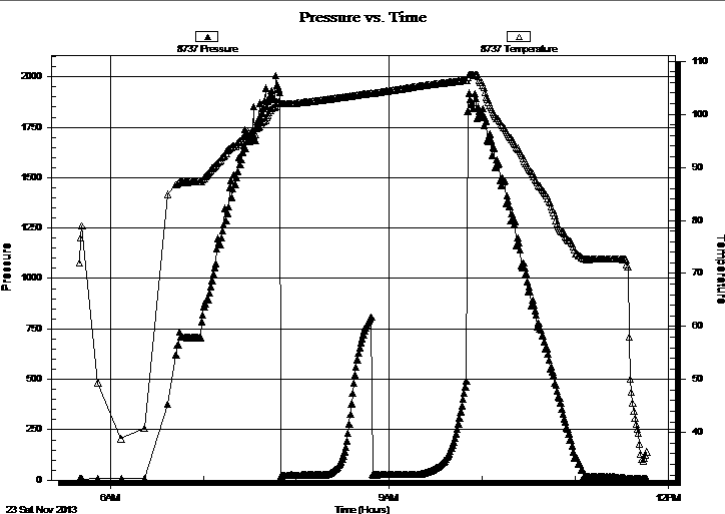
Last Calib.: 2013.11.23

Start Time: 05:40:15 End Time: 11:46:45

Time On Btm:

Time Off Btm:

TEST COMMENT: IF:Built to 1 1/8" blow
IS:No return blow
FF:Built to 3/4" blow
FS:No return blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
15.00	mco 40%m 60%o	0.21

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Stelbar Oil Corporation

19-16s-31w Scott,KS

1625 N Waterfront Pkwy
Wichita KS 67206

Rodenberg #1-19

Job Ticket: 54703

DST#: 1

ATTN: Dave Goldak

Test Start: 2013.11.23 @ 05:40:15

Tool Information

Drill Pipe:	Length: 3968.00 ft	Diameter: 3.80 inches	Volume: 55.66 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: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 55.66 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	3992.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	53.00 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			3962.00	
Shut In Tool	5.00			3967.00	
Sampler	3.00			3970.00	
Hydraulic tool	5.00			3975.00	
Jars	5.00			3980.00	
Safety Joint	3.00			3983.00	
Packer	5.00			3988.00	31.00 Bottom Of Top Packer
Packer	4.00			3992.00	
Stubb	1.00			3993.00	
Recorder	0.00	8737	Inside	3993.00	
Recorder	0.00	8846	Outside	3993.00	
Perforations	16.00			4009.00	
Bullnose	5.00			4014.00	22.00 Bottom Packers & Anchor

Total Tool Length: 53.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Stelbar Oil Corporation

19-16s-31w Scott,KS

1625 N Waterfront Pkwy
Wichita KS 67206

Rodenberg #1-19

Job Ticket: 54703

DST#: 1

ATTN: Dave Goldak

Test Start: 2013.11.23 @ 05:40:15

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: 68.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.73 in³

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
15.00	mco 40%m 60%o	0.210

Total Length: 15.00 ft Total Volume: 0.210 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

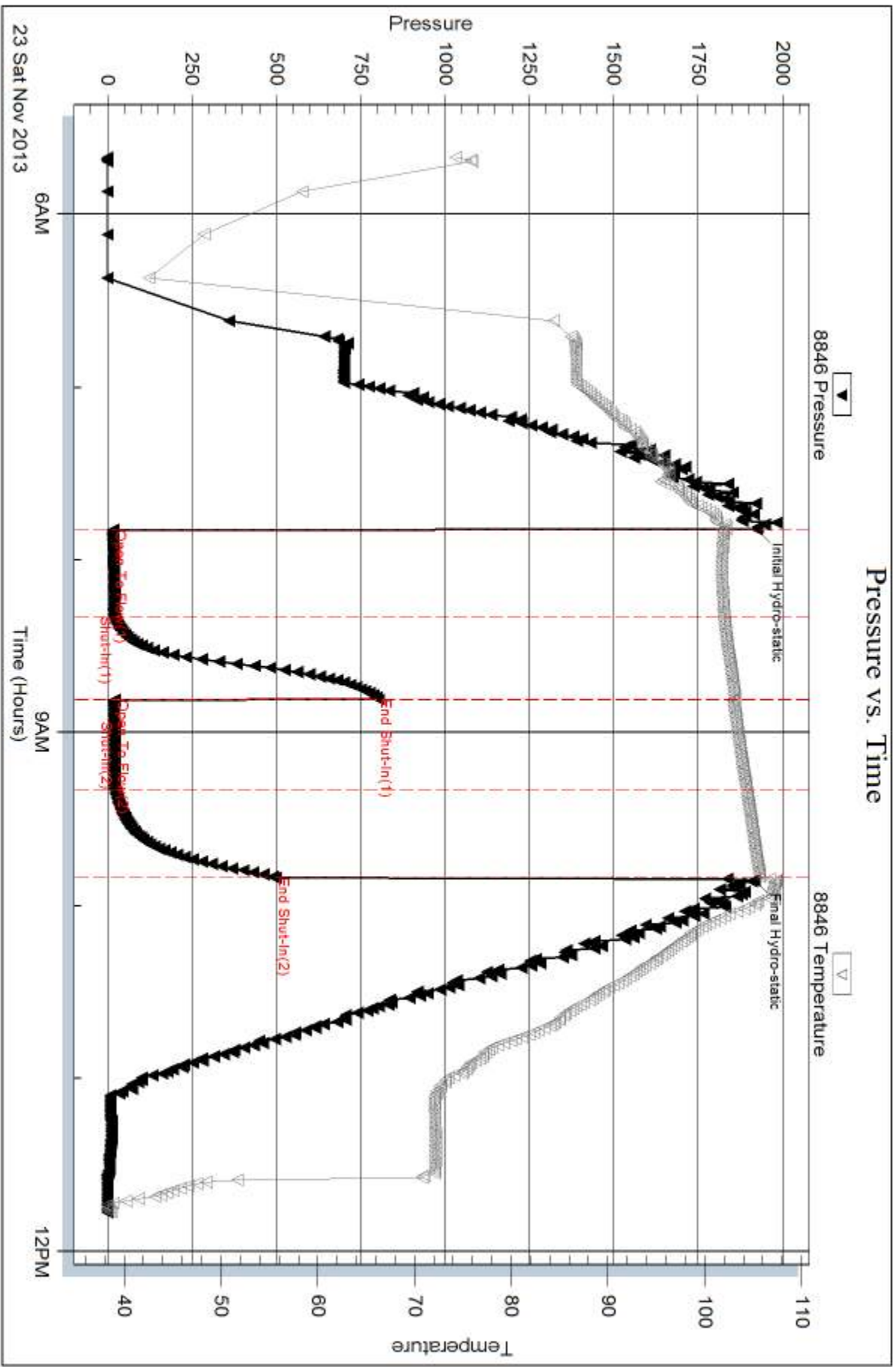
Recovery Comments:

Serial #: 8846

Outside Stellar Oil Corporation

Rodenberg #1-19

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 54703

Printed: 2013.11.29 @ 12:47:08

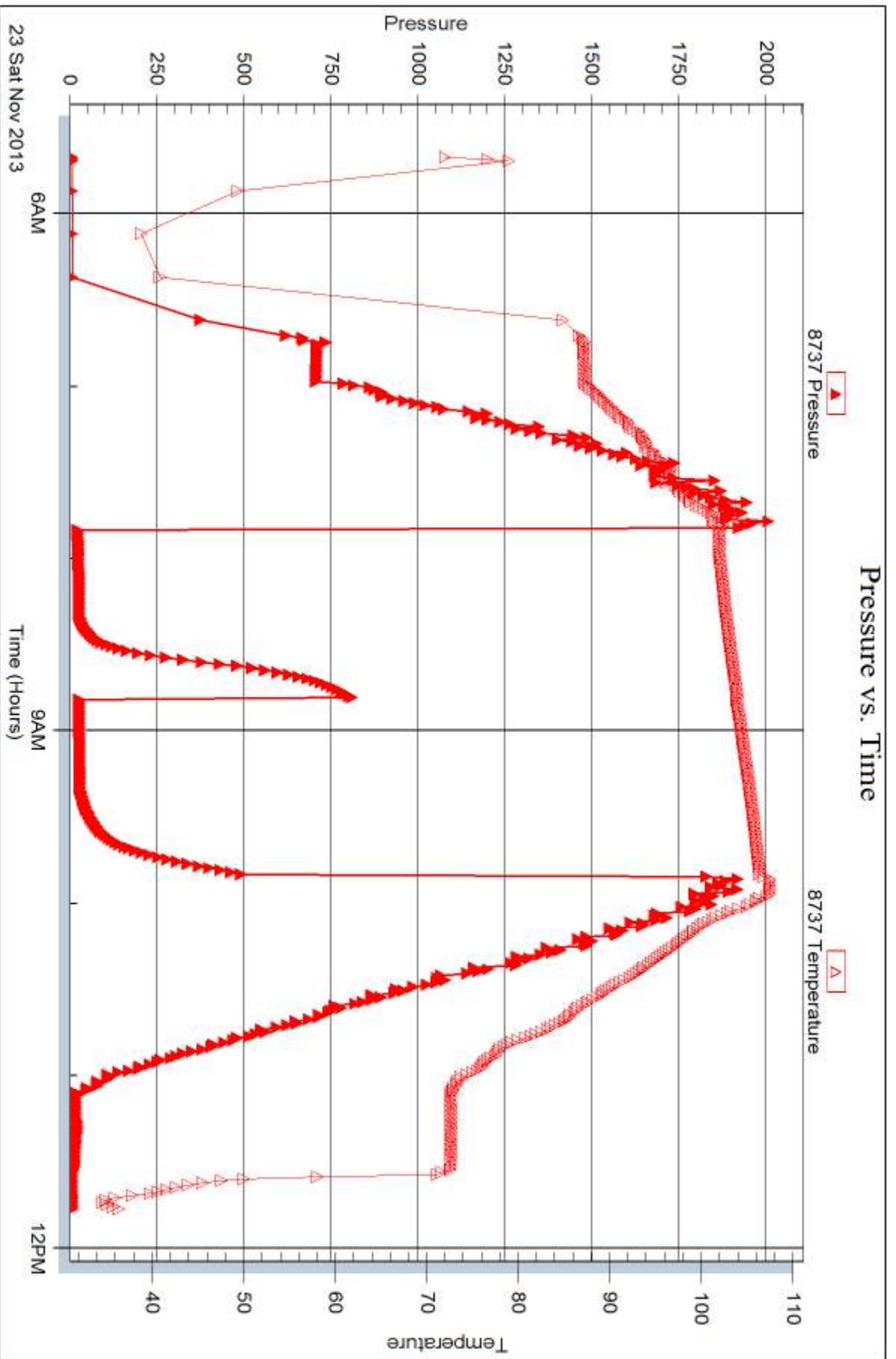
Serial #: 8737

Inside

Stelbar Oil Corporation

Rodenberg #1-19

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Stelbar Oil Corporation**

1625 N Waterfront Pkwy
Wichita KS 67206

ATTN: Dave Goldak

Rodenberg #1-19

19-16s-31w Scott,KS

Start Date: 2013.11.23 @ 23:36:15

End Date: 2013.11.24 @ 08:12:30

Job Ticket #: 54704 DST #: 2

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

Printed: 2013.11.29 @ 12:45:31



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Stelbar Oil Corporation
 1625 N Waterfront Pkw y
 Wichita KS 67206
 ATTN: Dave Goldak

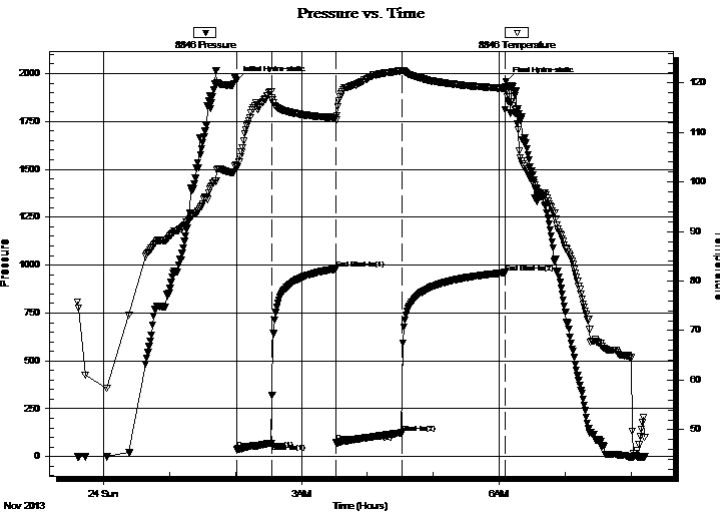
19-16s-31w Scott,KS
Rodenberg #1-19
 Job Ticket: 54704 **DST#: 2**
 Test Start: 2013.11.23 @ 23:36:15

GENERAL INFORMATION:

Formation: **LKC C-D**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 02:01:15
 Time Test Ended: 08:12:30
 Interval: **4020.00 ft (KB) To 4068.00 ft (KB) (TVD)**
 Total Depth: 4068.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Mike Roberts
 Unit No: 65
 Reference Elevations: 2957.00 ft (KB)
 2952.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8846 Inside
 Press@RunDepth: 123.89 psig @ 4021.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.11.23 End Date: 2013.11.24 Last Calib.: 2013.11.24
 Start Time: 23:36:15 End Time: 08:12:30 Time On Btm: 2013.11.24 @ 02:00:45
 Time Off Btm: 2013.11.24 @ 06:06:15

TEST COMMENT: IF:Built to 7 1/2" blow
 IS:Built to weak surface blow
 FF:Built to 9" blow
 FS:Built to weak surface blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1963.13	103.36	Initial Hydro-static
1	38.95	103.00	Open To Flow (1)
32	69.60	116.90	Shut-In(1)
91	979.94	113.00	End Shut-In(1)
91	73.39	112.50	Open To Flow (2)
151	123.89	122.48	Shut-In(2)
245	960.62	118.89	End Shut-In(2)
246	1959.30	118.29	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
4.00	free oil 100%o	0.06
62.00	ocm 20%o 80%m	0.87
62.00	ocw m 5%o 40%m 55%w	0.87
62.00	ocm 20%o 80%m	0.87

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Stelbar Oil Corporation
 1625 N Waterfront Pkw y
 Wichita KS 67206
 ATTN: Dave Goldak

19-16s-31w Scott,KS
Rodenberg #1-19
 Job Ticket: 54704 **DST#: 2**
 Test Start: 2013.11.23 @ 23:36:15

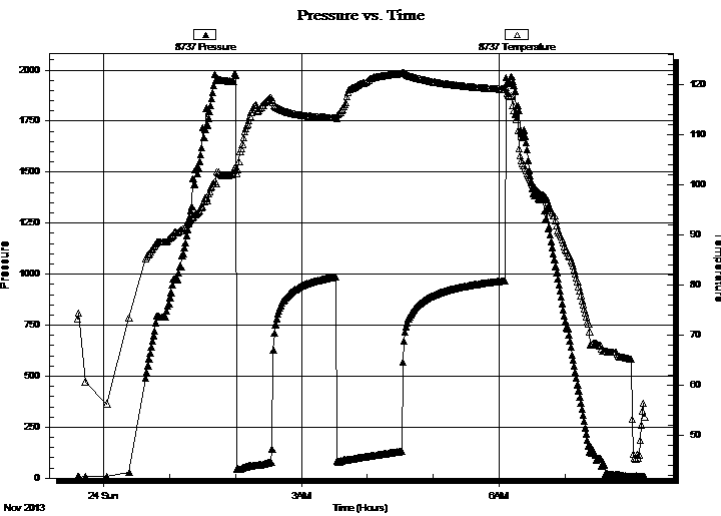
GENERAL INFORMATION:

Formation: **LKC C-D**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 02:01:15
 Time Test Ended: 08:12:30
 Interval: **4020.00 ft (KB) To 4068.00 ft (KB) (TVD)**
 Total Depth: 4068.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Mike Roberts
 Unit No: 65
 Reference Elevations: 2957.00 ft (KB)
 2952.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8737 Outside

Press@RunDepth: psig @ 4021.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.11.23 End Date: 2013.11.24 Last Calib.: 2013.11.24
 Start Time: 23:36:15 End Time: 08:12:45 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: Built to 7 1/2" blow
 IS: Built to weak surface blow
 FF: Built to 9" blow
 FS: Built to weak surface blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
4.00	free oil 100%o	0.06
62.00	ocm 20%o 80%m	0.87
62.00	ocw m 5%o 40%m 55%w	0.87
62.00	ocm 20%o 80%m	0.87

* 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

19-16s-31w Scott,KS

1625 N Waterfront Pkwy
Wichita KS 67206

Rodenberg #1-19

Job Ticket: 54704

DST#: 2

ATTN: Dave Goldak

Test Start: 2013.11.23 @ 23:36:15

Tool Information

Drill Pipe:	Length: 4000.00 ft	Diameter: 3.80 inches	Volume: 56.11 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: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 56.11 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	4020.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	48.00 ft			
Tool Length:	80.00 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			3989.00	
Shut In Tool	5.00			3994.00	
Sampler	3.00			3997.00	
Hydraulic tool	5.00			4002.00	
Jars	5.00			4007.00	
Safety Joint	3.00			4010.00	
Packer	5.00			4015.00	32.00 Bottom Of Top Packer
Packer	5.00			4020.00	
Stubb	1.00			4021.00	
Recorder	0.00	8846	Inside	4021.00	
Recorder	0.00	8737	Outside	4021.00	
Perforations	1.00			4022.00	
Change Over Sub	1.00			4023.00	
Drill Pipe	31.00			4054.00	
Change Over Sub	1.00			4055.00	
Perforations	8.00			4063.00	
Bullnose	5.00			4068.00	48.00 Bottom Packers & Anchor
Total Tool Length:	80.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Stelbar Oil Corporation

19-16s-31w Scott,KS

1625 N Waterfront Pkwy
Wichita KS 67206

Rodenberg #1-19

Job Ticket: 54704

DST#: 2

ATTN: Dave Goldak

Test Start: 2013.11.23 @ 23:36:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

31 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

14000 ppm

Viscosity: 68.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.75 in³

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 bbbl
4.00	free oil 100%o	0.056
62.00	ocm 20%o 80%m	0.870
62.00	ocw m 5%o 40%m 55%w	0.870
62.00	ocm 20%o 80%m	0.870

Total Length: 190.00 ft Total Volume: 2.666 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .821@ 40.1 *=14,000 ppm

API= 29 @40 corrected to 31 @ 60

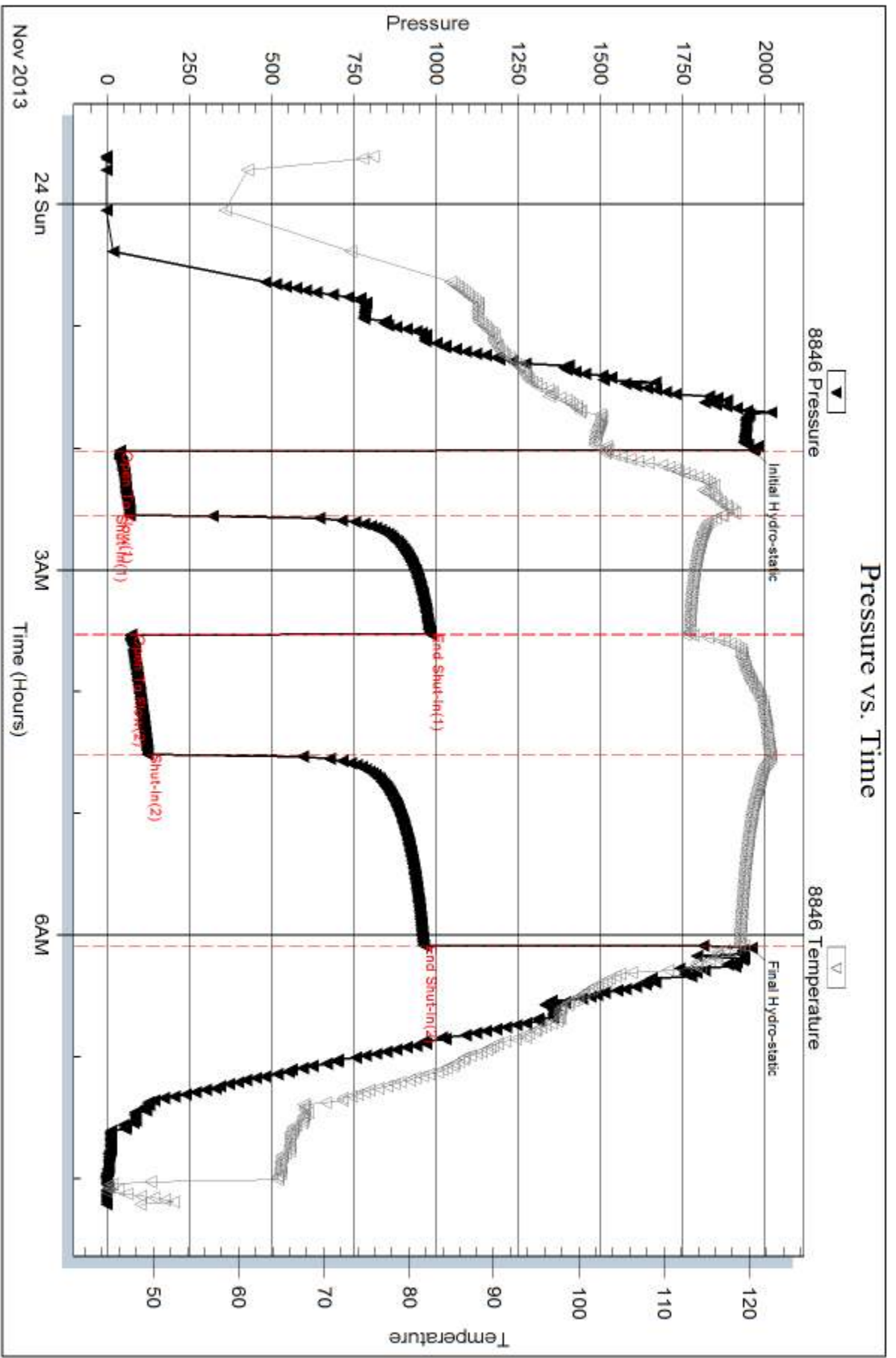
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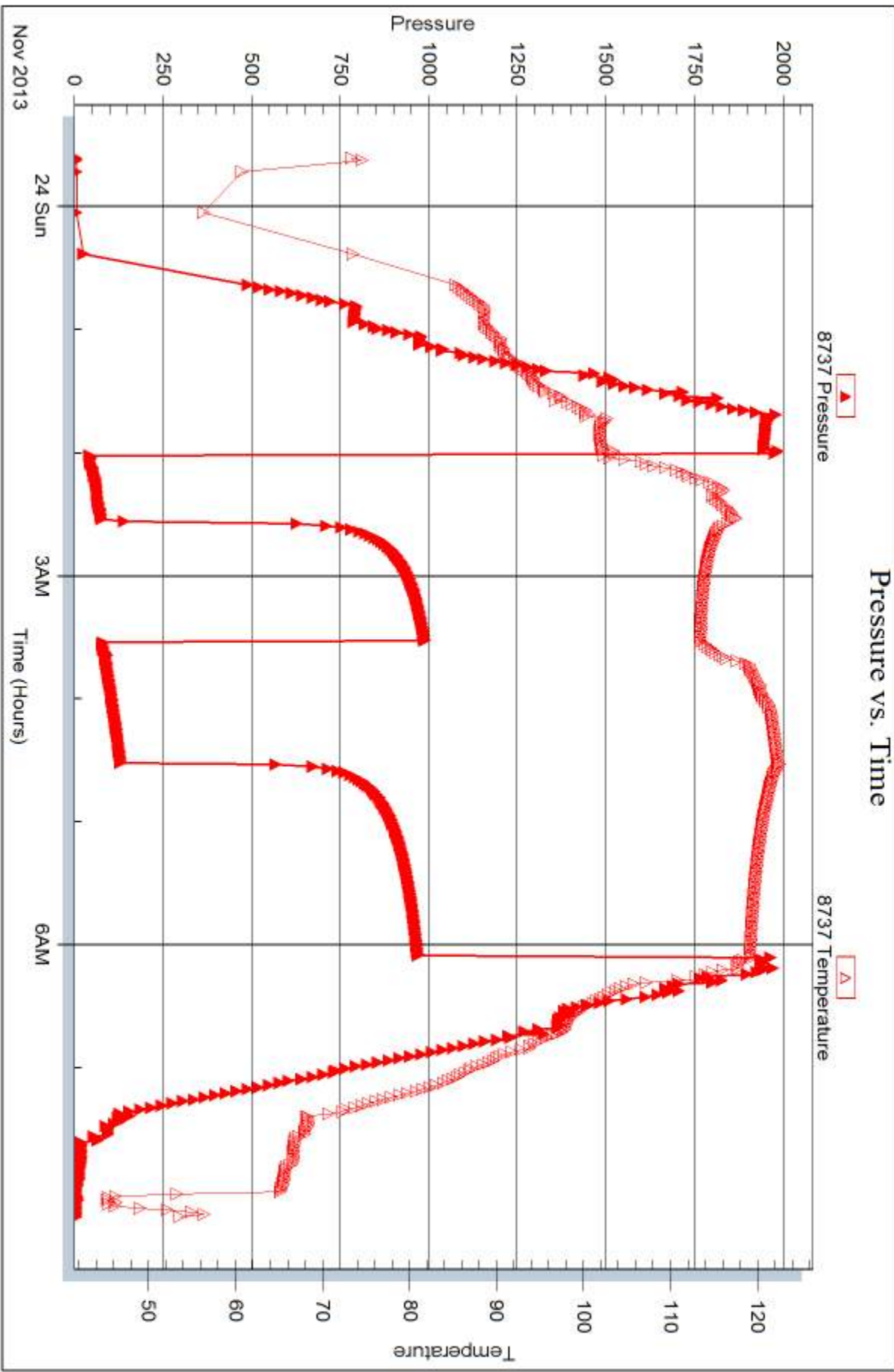
Inside

Stelbar Oil Corporation

Rodenberg #1-19

DST Test Number: 2







DRILL STEM TEST REPORT

Prepared For: **Stelbar Oil Corporation**

1625 N Waterfront Pkwy
Wichita KS 67206

ATTN: Dave Goldak

Rodenberg #1-19

19-16s-31w Scott,KS

Start Date: 2013.11.25 @ 01:18:15

End Date: 2013.11.25 @ 09:30:45

Job Ticket #: 54705 DST #: 3

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

Printed: 2013.11.29 @ 12:45:01

Stelbar Oil Corporation
19-16s-31w Scott,KS
Rodenberg #1-19
DST # 3
LKC H-I
2013.11.25



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Stelbar Oil Corporation
 1625 N Waterfront Pkw y
 Wichita KS 67206
 ATTN: Dave Goldak

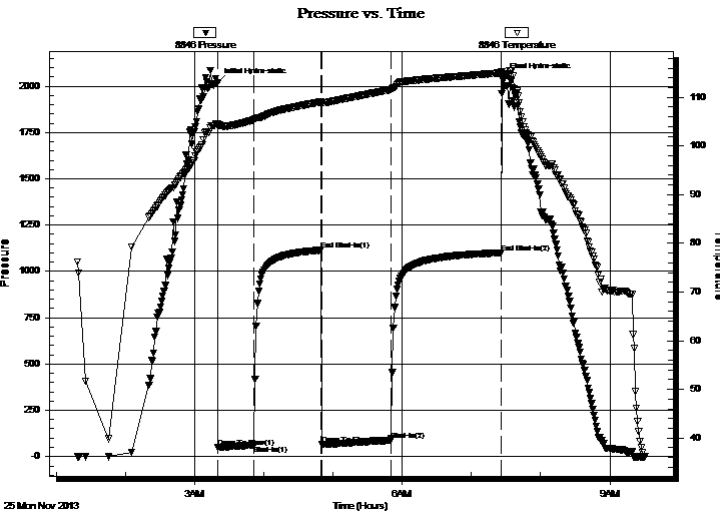
19-16s-31w Scott,KS
Rodenberg #1-19
 Job Ticket: 54705 **DST#: 3**
 Test Start: 2013.11.25 @ 01:18:15

GENERAL INFORMATION:

Formation: **LKC H-I**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:20:00
 Time Test Ended: 09:30:45
 Interval: **4132.00 ft (KB) To 4206.00 ft (KB) (TVD)**
 Total Depth: 4218.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Mike Roberts
 Unit No: 65
 Reference Elevations: 2957.00 ft (KB)
 2952.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8846 Inside
 Press@RunDepth: 88.04 psig @ 4133.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.11.25 End Date: 2013.11.25 Last Calib.: 2013.11.25
 Start Time: 01:18:15 End Time: 09:30:45 Time On Btm: 2013.11.25 @ 03:19:45
 Time Off Btm: 2013.11.25 @ 07:27:00

TEST COMMENT: IF: Built to 3" blow
 IS: No return blow
 FF: Built to 5" blow
 FS: No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2020.87	104.54	Initial Hydro-static
1	48.65	104.12	Open To Flow (1)
32	63.08	105.39	Shut-In(1)
90	1114.30	109.06	End Shut-In(1)
91	64.77	108.86	Open To Flow (2)
151	88.04	111.57	Shut-In(2)
246	1100.49	115.01	End Shut-In(2)
248	2043.91	114.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	mud w ith oil spots	1.26

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Stelbar Oil Corporation
1625 N Waterfront Pkwy
Wichita KS 67206
ATTN: Dave Goldak

19-16s-31w Scott, KS
Rodenberg #1-19
Job Ticket: 54705 **DST#: 3**
Test Start: 2013.11.25 @ 01:18:15

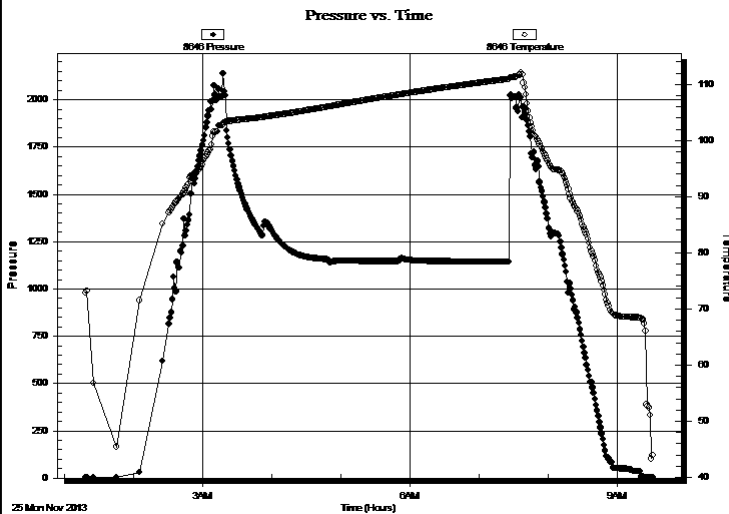
GENERAL INFORMATION:

Formation: **LKC H-I**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:20:00
Time Test Ended: 09:30:45
Interval: **4132.00 ft (KB) To 4206.00 ft (KB) (TVD)**
Total Depth: 4218.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 2957.00 ft (KB)
2952.00 ft (CF)
KB to GR/CF: 5.00 ft
Test Type: Conventional Bottom Hole (Reset)
Tester: Mike Roberts
Unit No: 65

Serial #: 8646 Below (Straddle)

Press@RunDepth: psig @ 4213.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.11.25 End Date: 2013.11.25 Last Calib.: 2013.11.25
Start Time: 01:18:15 End Time: 09:30:45 Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Built to 3" blow
IS: No return blow
FF: Built to 5" blow
FS: No return blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
90.00	mud w ith oil spots	1.26

* 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

19-16s-31w Scott,KS

1625 N Waterfront Pkwy
Wichita KS 67206

Rodenberg #1-19

Job Ticket: 54705

DST#: 3

ATTN: Dave Goldak

Test Start: 2013.11.25 @ 01:18:15

Tool Information

Drill Pipe:	Length: 4125.00 ft	Diameter: 3.80 inches	Volume: 57.86 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: 70000.00 lb
			<u>Total Volume: 57.86 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	4132.00 ft			Final 57000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	86.00 ft			
Tool Length:	118.00 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			4101.00	
Shut In Tool	5.00			4106.00	
Sampler	3.00			4109.00	
Hydraulic tool	5.00			4114.00	
Jars	5.00			4119.00	
Safety Joint	3.00			4122.00	
Packer	5.00			4127.00	32.00 Bottom Of Top Packer
Packer	5.00			4132.00	
Stubb	1.00			4133.00	
Recorder	0.00	8846	Inside	4133.00	
Recorder	0.00	8737	Outside	4133.00	
Perforations	1.00			4134.00	
Change Over Sub	1.00			4135.00	
Drill Pipe	61.00			4196.00	
Change Over Sub	1.00			4197.00	
Perforations	5.00			4202.00	
Blank Off Sub	1.00			4203.00	86.00 Tool Interval
Packer	3.00			4206.00	
Stubb	1.00			4207.00	
Perforations	6.00			4213.00	
Recorder	0.00	8646	Below	4213.00	
Bullnose	5.00			4218.00	1000117.00 Bottom Packers & Anchor

Total Tool Length: 118.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Stelbar Oil Corporation

19-16s-31w Scott,KS

1625 N Waterfront Pkw y
Wichita KS 67206

Rodenberg #1-19

Job Ticket: 54705

DST#: 3

ATTN: Dave Goldak

Test Start: 2013.11.25 @ 01:18:15

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: 46.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.95 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	mud w ith oil spots	1.262

Total Length: 90.00 ft Total Volume: 1.262 bbl

Num Fluid Samples: 0

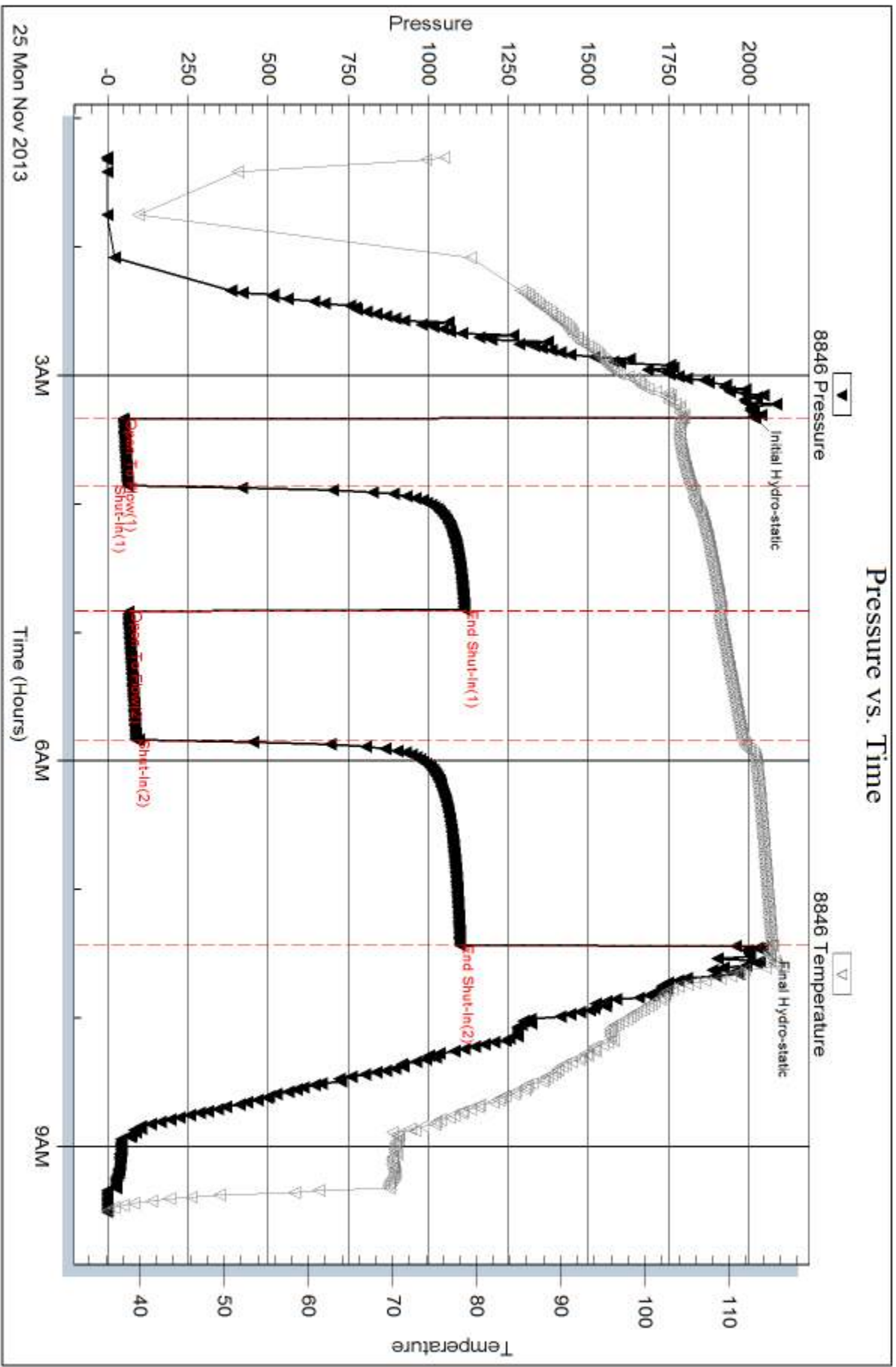
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

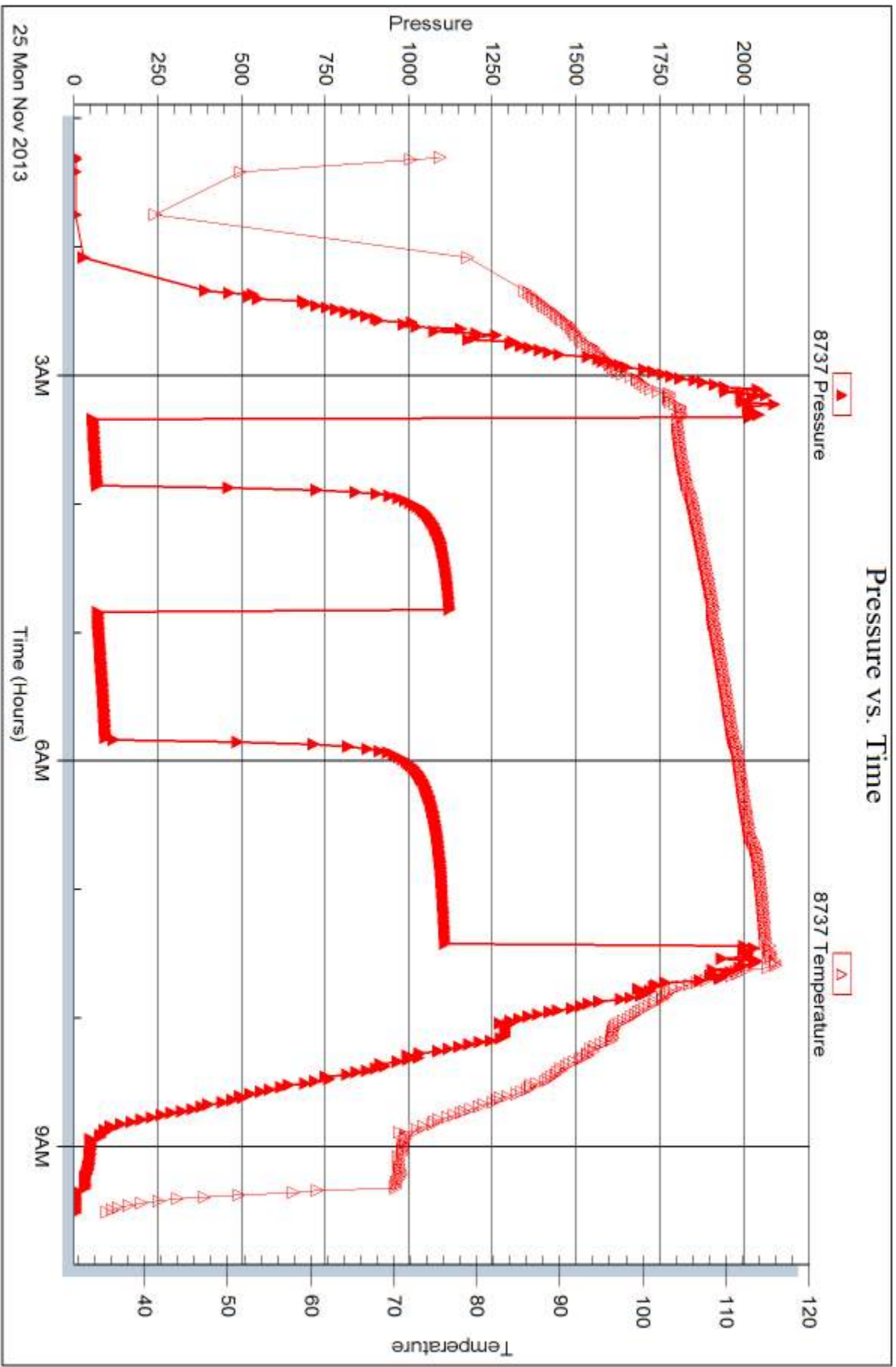


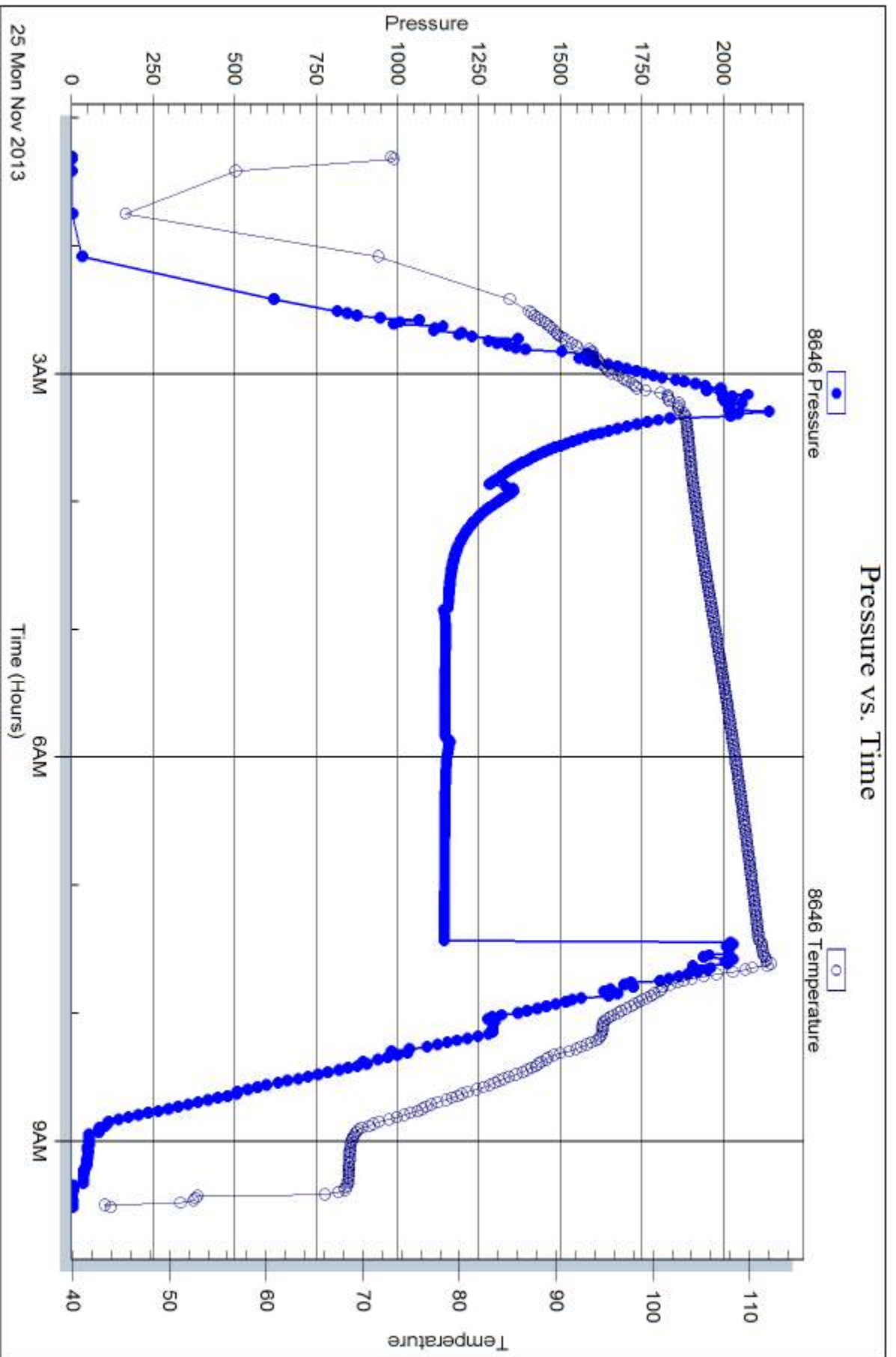
Serial #: 8737

Outside Stellar Oil Corporation

Rodenberg #1-19

DST Test Number: 3







DRILL STEM TEST REPORT

Prepared For: **Stelbar Oil Corporation**

1625 N Waterfront Pkwy
Wichita KS 67206

ATTN: Dave Goldak

Rodenberg #1-19

19-16s-31w Scott,KS

Start Date: 2013.11.26 @ 11:36:15

End Date: 2013.11.26 @ 17:08:00

Job Ticket #: 54706 DST #: 4

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

Printed: 2013.11.29 @ 12:41:38



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Stelbar Oil Corporation
 1625 N Waterfront Pkwy
 Wichita KS 67206
 ATTN: Dave Goldak

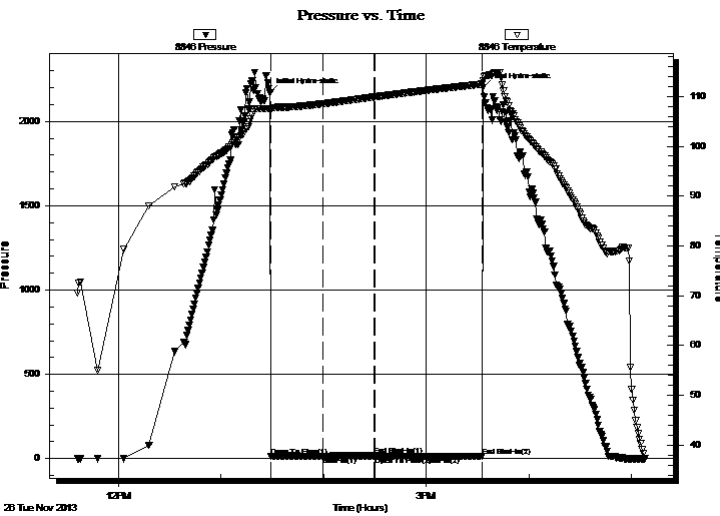
19-16s-31w Scott,KS
Rodenberg #1-19
 Job Ticket: 54706 **DST#: 4**
 Test Start: 2013.11.26 @ 11:36:15

GENERAL INFORMATION:

Formation: **Pawnee**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:29:15
 Time Test Ended: 17:08:00
 Interval: **4437.00 ft (KB) To 4468.00 ft (KB) (TVD)**
 Total Depth: 4468.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Mike Roberts
 Unit No: 65
 Reference Elevations: 2957.00 ft (KB)
 2952.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8846 Outside
 Press@RunDepth: 14.36 psig @ 4438.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.11.26 End Date: 2013.11.26 Last Calib.: 2013.11.26
 Start Time: 11:36:15 End Time: 17:08:00 Time On Btm: 2013.11.26 @ 13:28:45
 Time Off Btm: 2013.11.26 @ 15:33:15

TEST COMMENT: IF: Built to 1/4" blow
 IS: No return blow
 FF: No blow
 FS: No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2170.15	107.46	Initial Hydro-static
1	14.53	107.25	Open To Flow (1)
31	15.30	108.52	Shut-In(1)
61	17.48	109.86	End Shut-In(1)
61	14.77	109.88	Open To Flow (2)
92	14.36	111.20	Shut-In(2)
124	15.72	112.46	End Shut-In(2)
125	2199.00	113.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud with oil spots	0.07

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Stelbar Oil Corporation
 1625 N Waterfront Pkw y
 Wichita KS 67206
 ATTN: Dave Goldak

19-16s-31w Scott,KS
Rodenberg #1-19
 Job Ticket: 54706 **DST#: 4**
 Test Start: 2013.11.26 @ 11:36:15

GENERAL INFORMATION:

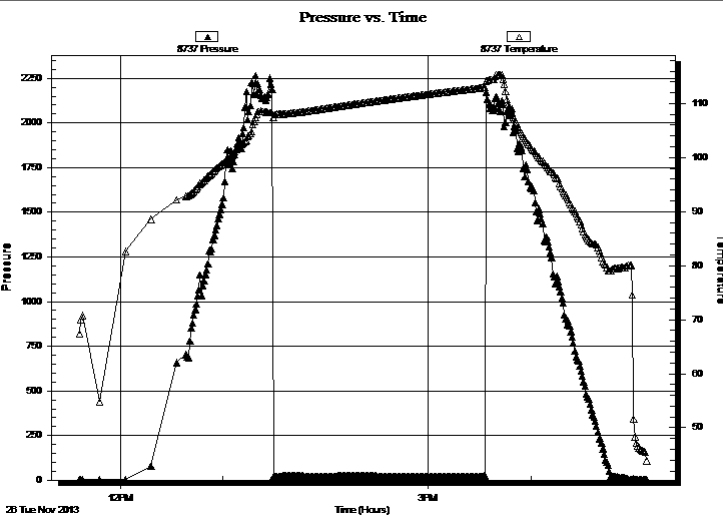
Formation: **Pawnee**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:29:15
 Time Test Ended: 17:08:00
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Mike Roberts
 Unit No: 65
Interval: 4437.00 ft (KB) To 4468.00 ft (KB) (TVD)
 Total Depth: 4468.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Reference Elevations: 2957.00 ft (KB)
 2952.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8737

Inside

Press@RunDepth: psig @ 4438.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.11.26 End Date: 2013.11.26 Last Calib.: 2013.11.26
 Start Time: 11:36:15 End Time: 17:08:15 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: Built to 1/4" blow
 IS: No return blow
 FF: No blow
 FS: No return blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud w ith oil spots	0.07

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 Corporation

19-16s-31w Scott,KS

1625 N Waterfront Pkwy
Wichita KS 67206

Rodenberg #1-19

Job Ticket: 54706

DST#: 4

ATTN: Dave Goldak

Test Start: 2013.11.26 @ 11:36:15

Tool Information

Drill Pipe:	Length: 4437.00 ft	Diameter: 3.80 inches	Volume: 62.24 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: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 62.24 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	4437.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	31.00 ft			
Tool Length:	62.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4407.00	
Shut In Tool	5.00			4412.00	
Sampler	3.00			4415.00	
Hydraulic tool	5.00			4420.00	
Jars	5.00			4425.00	
Safety Joint	3.00			4428.00	
Packer	5.00			4433.00	31.00 Bottom Of Top Packer
Packer	4.00			4437.00	
Stubb	1.00			4438.00	
Recorder	0.00	8737	Inside	4438.00	
Recorder	0.00	8846	Outside	4438.00	
Perforations	25.00			4463.00	
Bullnose	5.00			4468.00	31.00 Bottom Packers & Anchor

Total Tool Length: 62.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Stelbar Oil Corporation

19-16s-31w Scott, KS

1625 N Waterfront Pkw y
Wichita KS 67206

Rodenberg #1-19

Job Ticket: 54706

DST#: 4

ATTN: Dave Goldak

Test Start: 2013.11.26 @ 11:36:15

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: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.15 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1700.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud w ith oil spots	0.070

Total Length: 5.00 ft Total Volume: 0.070 bbl

Num Fluid Samples: 0

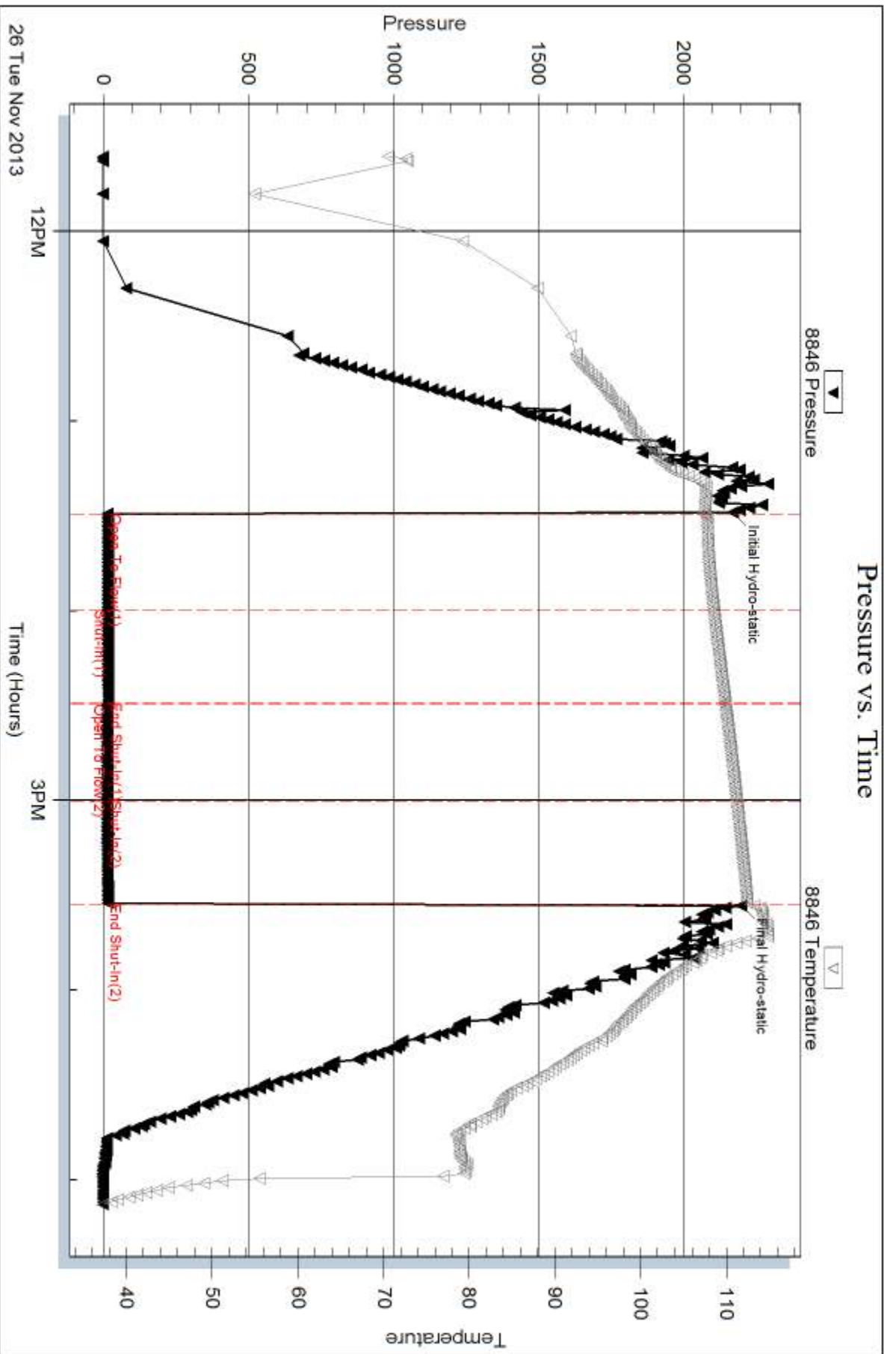
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



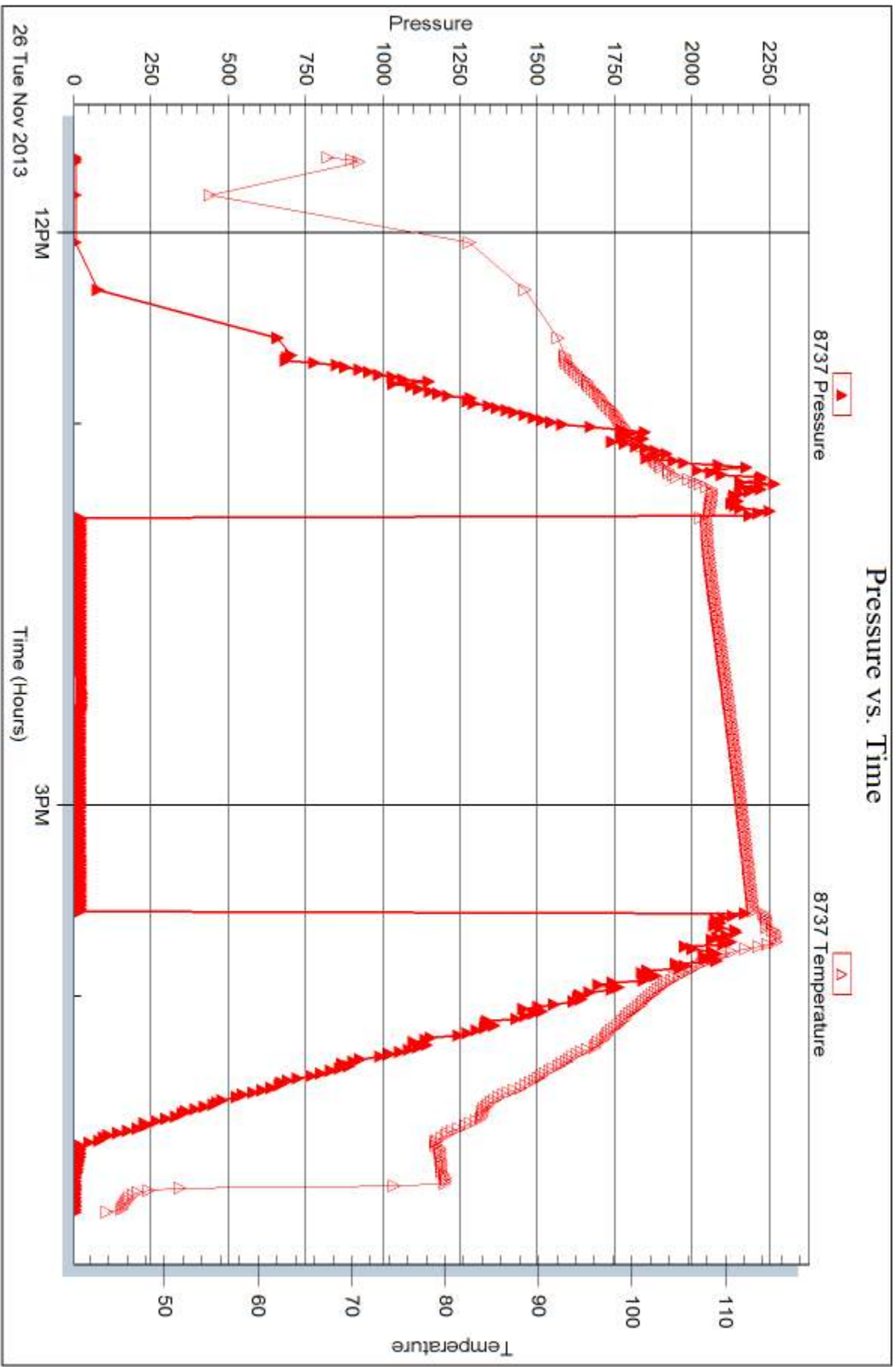
Serial #: 8737

Inside

Stelbar Oil Corporation

Rodenberg #1-19

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 54706

Printed: 2013.11.29 @ 12:41:41



DRILL STEM TEST REPORT

Prepared For: **Stelbar Oil Corporation**

1625 N Waterfront Pkwy
Wichita KS 67206

ATTN: Dave Goldak

Rodenberg #1-19

19-16s-31w Scott,KS

Start Date: 2013.11.27 @ 09:06:15

End Date: 2013.11.27 @ 14:53:00

Job Ticket #: 54707 DST #: 5

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

Printed: 2013.11.29 @ 12:40:58

Stelbar Oil Corporation

19-16s-31w Scott,KS

Rodenberg #1-19

DST # 5

Ft.Scott-Johnson

2013.11.27



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Stelbar Oil Corporation

19-16s-31w Scott,KS

1625 N Waterfront Pkwy
Wichita KS 67206

Rodenberg #1-19

Job Ticket: 54707

DST#: 5

ATTN: Dave Goldak

Test Start: 2013.11.27 @ 09:06:15

GENERAL INFORMATION:

Formation: **Ft.Scott-Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:10:45

Time Test Ended: 14:53:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

Interval: 4480.00 ft (KB) To 4581.00 ft (KB) (TVD)

Reference Elevations: 2957.00 ft (KB)

Total Depth: 4581.00 ft (KB) (TVD)

2952.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8846

Inside

Press@RunDepth: 55.10 psig @ 4481.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.11.27

End Date:

2013.11.27

Last Calib.:

2013.11.27

Start Time: 09:06:15

End Time:

14:53:00

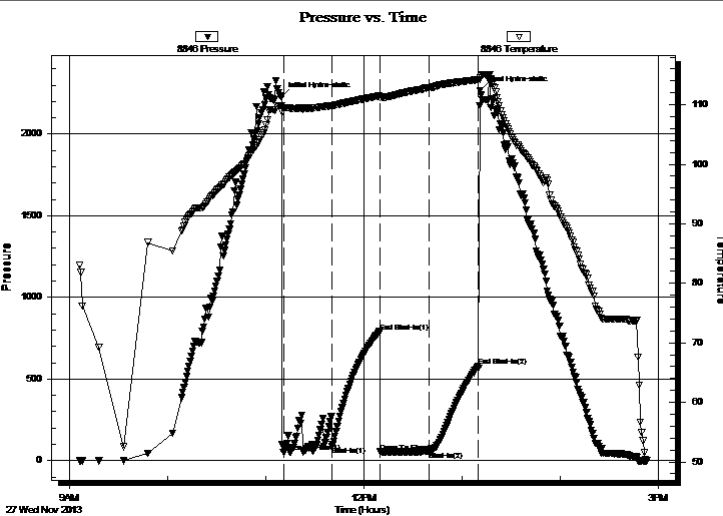
Time On Btm:

2013.11.27 @ 11:09:45

Time Off Btm:

2013.11.27 @ 13:11:00

TEST COMMENT: IF:Built to 1" blow
IS:No return blow
FF:Built to weak surface blow
FS:No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2229.36	109.85	Initial Hydro-static
1	52.23	109.48	Open To Flow (1)
31	86.13	109.81	Shut-In(1)
60	790.06	111.48	End Shut-In(1)
61	54.32	111.24	Open To Flow (2)
90	55.10	112.87	Shut-In(2)
120	577.82	114.25	End Shut-In(2)
122	2264.78	114.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	mud 100%m	0.87

Gas Rates

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

* Recovery from multiple tests



DRILL STEM TEST REPORT

Stelbar Oil Corporation
 1625 N Waterfront Pkwy
 Wichita KS 67206
 ATTN: Dave Goldak

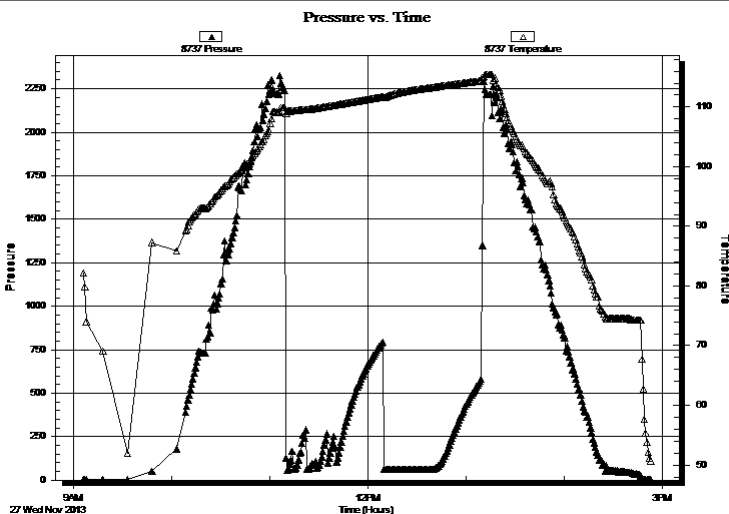
19-16s-31w Scott,KS
Rodenberg #1-19
 Job Ticket: 54707 **DST#: 5**
 Test Start: 2013.11.27 @ 09:06:15

GENERAL INFORMATION:

Formation: **Ft. Scott-Johnson**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:10:45
 Time Test Ended: 14:53:00
Interval: 4480.00 ft (KB) To 4581.00 ft (KB) (TVD)
 Total Depth: 4581.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Mike Roberts
 Unit No: 65
 Reference Elevations: 2957.00 ft (KB)
 2952.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8737 **Outside**
 Press@RunDepth: psig @ 4481.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.11.27 End Date: 2013.11.27 Last Calib.: 2013.11.27
 Start Time: 09:06:15 End Time: 14:53:00 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: Built to 1" blow
 IS: No return blow
 FF: Built to weak surface blow
 FS: No return blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
62.00	mud 100% m	0.87

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 Corporation

19-16s-31w Scott,KS

1625 N Waterfront Pkwy
Wichita KS 67206

Rodenberg #1-19

Job Ticket: 54707

DST#: 5

ATTN: Dave Goldak

Test Start: 2013.11.27 @ 09:06:15

Tool Information

Drill Pipe:	Length: 4468.00 ft	Diameter: 3.80 inches	Volume: 62.67 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: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 62.67 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	4480.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	101.00 ft			
Tool Length:	133.00 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			4449.00	
Shut In Tool	5.00			4454.00	
Sampler	3.00			4457.00	
Hydraulic tool	5.00			4462.00	
Jars	5.00			4467.00	
Safety Joint	3.00			4470.00	
Packer	5.00			4475.00	32.00 Bottom Of Top Packer
Packer	5.00			4480.00	
Stubb	1.00			4481.00	
Recorder	0.00	8846	Inside	4481.00	
Recorder	0.00	8737	Outside	4481.00	
Perforations	5.00			4486.00	
Change Over Sub	1.00			4487.00	
Drill Pipe	63.00			4550.00	
Change Over Sub	1.00			4551.00	
Perforations	25.00			4576.00	
Bullnose	5.00			4581.00	101.00 Bottom Packers & Anchor
Total Tool Length:	133.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Stelbar Oil Corporation

19-16s-31w Scott,KS

1625 N Waterfront Pkw y
Wichita KS 67206

Rodenberg #1-19

Job Ticket: 54707

DST#: 5

ATTN: Dave Goldak

Test Start: 2013.11.27 @ 09:06:15

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: 65.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.96 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	mud 100%m	0.870

Total Length: 62.00 ft Total Volume: 0.870 bbl

Num Fluid Samples: 0

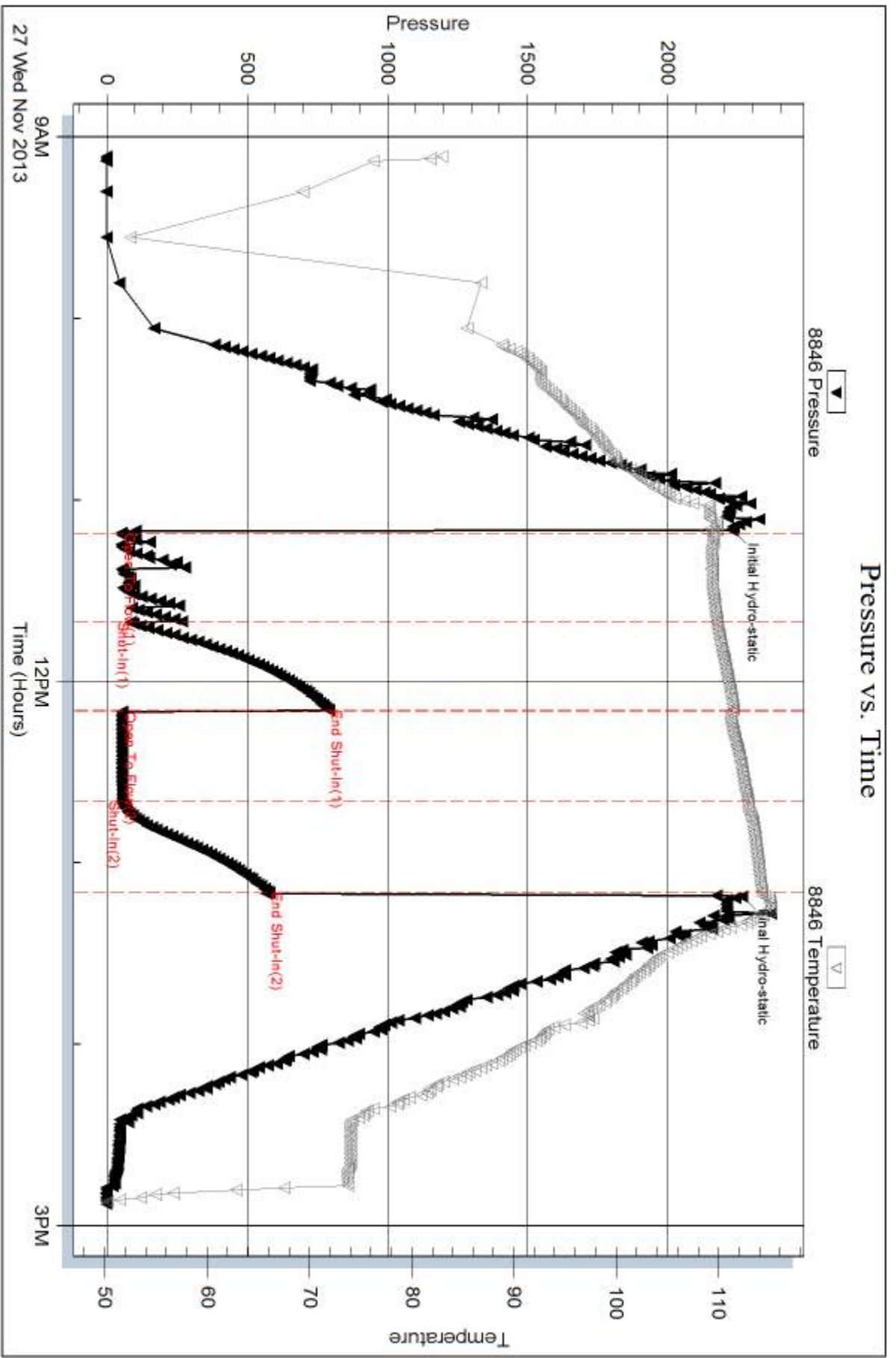
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

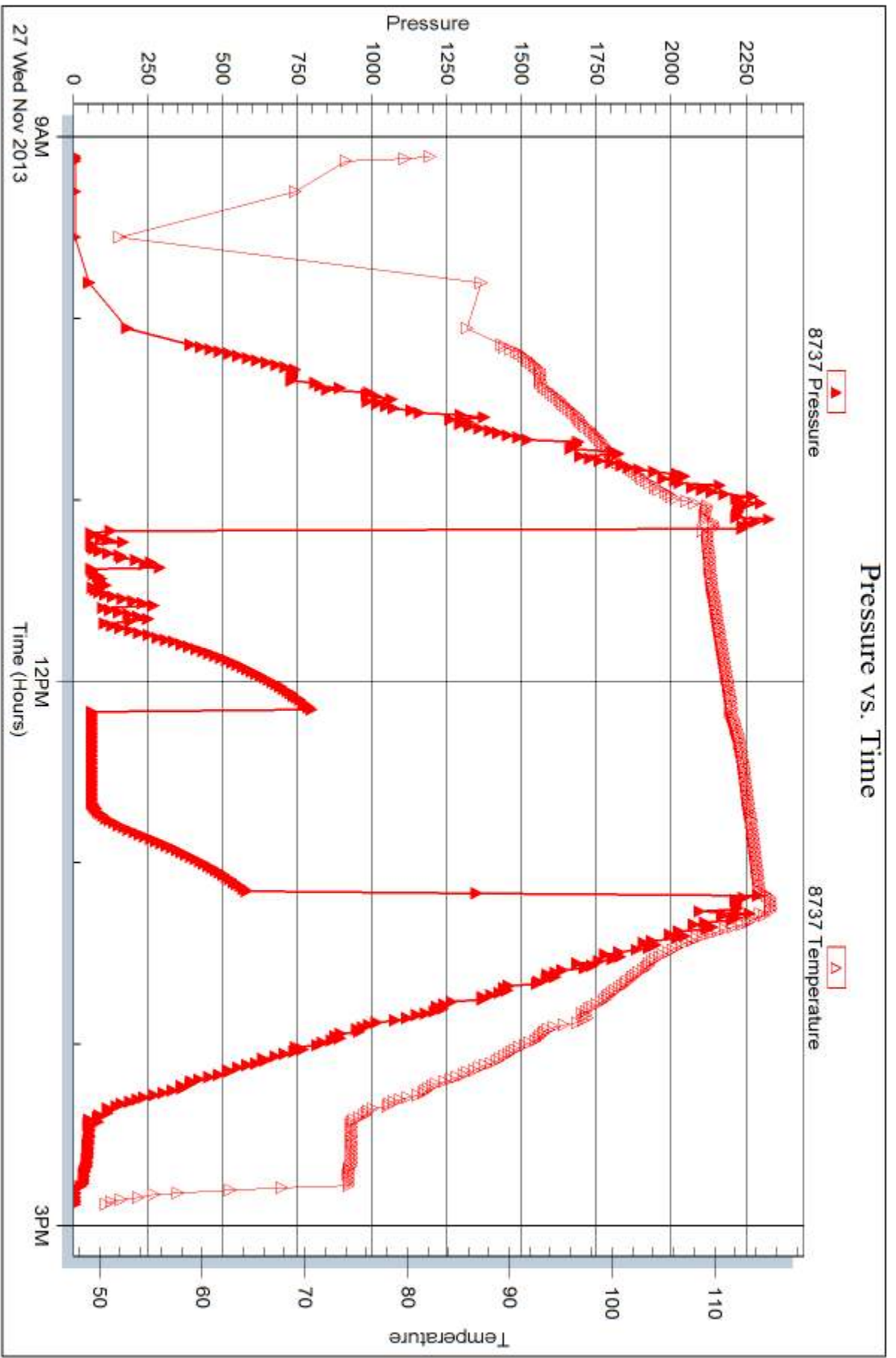


Serial #: 8737

Outside Stellar Oil Corporation

Rodenberg #1-19

DST Test Number: 5



Trilobite Testing, Inc

Ref. No: 54707

Printed: 2013.11.29 @ 12:41:01



DRILL STEM TEST REPORT

Prepared For: **Stelbar Oil Corporation**

1625 N Waterfront Pkwy
Wichita KS 67206

ATTN: Dave Goldak

Rodenberg #1-19

19-16s-31w Scott,KS

Start Date: 2013.11.27 @ 23:49:15

End Date: 2013.11.28 @ 08:23:00

Job Ticket #: 54708 DST #: 6

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

Printed: 2013.11.29 @ 12:31:59



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Stelbar Oil Corporation
 1625 N Waterfront Pkwy
 Wichita KS 67206
 ATTN: Dave Goldak

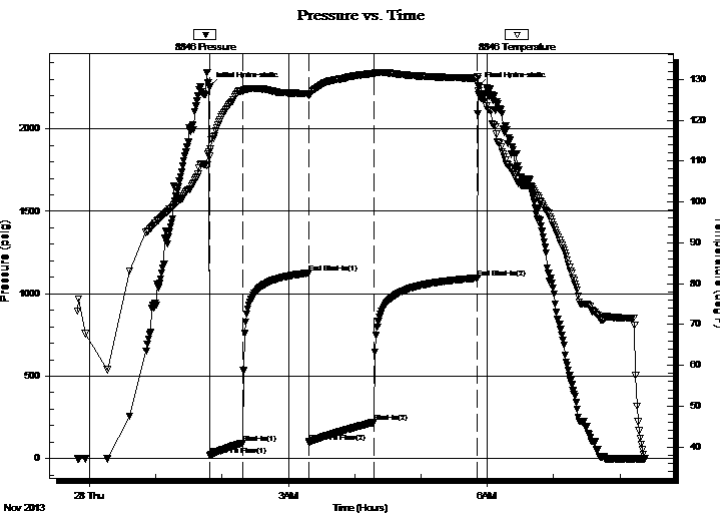
19-16s-31w Scott,KS
Rodenberg #1-19
 Job Ticket: 54708 **DST#: 6**
 Test Start: 2013.11.27 @ 23:49:15

GENERAL INFORMATION:

Formation: **Basel Penn Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 01:48:30
 Time Test Ended: 08:23:00
 Interval: **4582.00 ft (KB) To 4614.00 ft (KB) (TVD)**
 Total Depth: 4582.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Mike Roberts
 Unit No: 65
 Reference Elevations: 2957.00 ft (KB)
 2952.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8846 Outside
 Press@RunDepth: 220.04 psig @ 4583.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.11.27 End Date: 2013.11.28 Last Calib.: 2013.11.28
 Start Time: 23:49:15 End Time: 08:23:00 Time On Btm: 2013.11.28 @ 01:48:15
 Time Off Btm: 2013.11.28 @ 05:52:00

TEST COMMENT: IF:Built to 6" blow
 IS:No return blow
 FF:Built to 4" blow
 FS:No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2254.63	112.31	Initial Hydro-static
1	19.46	111.15	Open To Flow (1)
31	94.64	127.11	Shut-In(1)
90	1125.74	126.56	End Shut-In(1)
91	99.59	126.32	Open To Flow (2)
149	220.04	131.45	Shut-In(2)
243	1095.54	130.26	End Shut-In(2)
244	2259.31	127.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	w cm and skim of oil 30%w 70%m	1.74
124.00	mcw 20%m 80%w	1.74
186.00	sw 100% sw	2.61

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Stelbar Oil Corporation
1625 N Waterfront Pkw y
Wichita KS 67206
ATTN: Dave Goldak

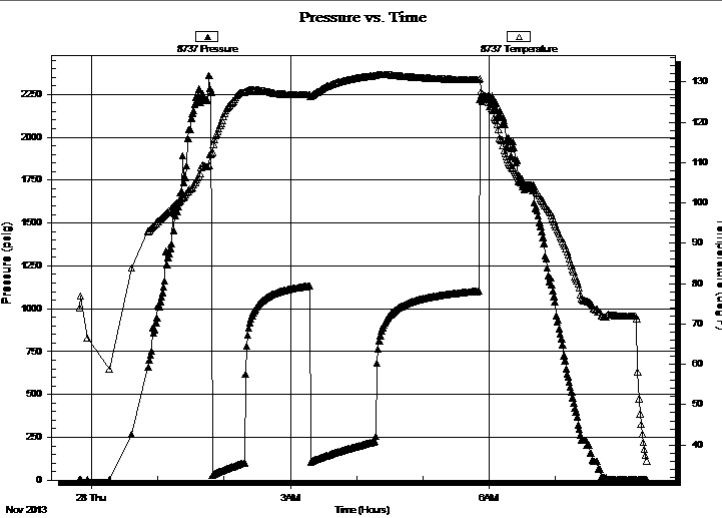
19-16s-31w Scott,KS
Rodenberg #1-19
Job Ticket: 54708 **DST#: 6**
Test Start: 2013.11.27 @ 23:49:15

GENERAL INFORMATION:

Formation: **Basel Penn Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:48:30
Time Test Ended: 08:23:00
Interval: **4582.00 ft (KB) To 4614.00 ft (KB) (TVD)**
Total Depth: 4582.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Mike Roberts
Unit No: 65
Reference Elevations: 2957.00 ft (KB)
2952.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8737 Inside
Press@RunDepth: psig @ 4583.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.11.27 End Date: 2013.11.28 Last Calib.: 2013.11.28
Start Time: 23:49:15 End Time: 08:22:45 Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Built to 6" blow
IS: No return blow
FF: Built to 4" blow
FS: No return blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
124.00	w cm and skim of oil 30%w 70%m	1.74
124.00	mcw 20%m 80%w	1.74
186.00	sw 100% sw	2.61

* 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

19-16s-31w Scott,KS

1625 N Waterfront Pkwy
Wichita KS 67206

Rodenberg #1-19

Job Ticket: 54708

DST#: 6

ATTN: Dave Goldak

Test Start: 2013.11.27 @ 23:49:15

Tool Information

Drill Pipe:	Length: 4563.00 ft	Diameter: 3.80 inches	Volume: 64.01 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: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 64.01 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	4582.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	32.00 ft			
Tool Length:	63.00 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			4552.00	
Shut In Tool	5.00			4557.00	
Sampler	3.00			4560.00	
Hydraulic tool	5.00			4565.00	
Jars	5.00			4570.00	
Safety Joint	3.00			4573.00	
Packer	5.00			4578.00	31.00 Bottom Of Top Packer
Packer	4.00			4582.00	
Stubb	1.00			4583.00	
Recorder	0.00	8737	Inside	4583.00	
Recorder	0.00	8846	Outside	4583.00	
Perforations	26.00			4609.00	
Bullnose	5.00			4614.00	32.00 Bottom Packers & Anchor

Total Tool Length: 63.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Stelbar Oil Corporation

19-16s-31w Scott,KS

1625 N Waterfront Pkw y
Wichita KS 67206

Rodenberg #1-19

Job Ticket: 54708

DST#: 6

ATTN: Dave Goldak

Test Start: 2013.11.27 @ 23:49:15

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:

25000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.38 in³

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 bbbl
124.00	w cm and skim of oil 30%w 70%m	1.739
124.00	mcw 20%m 80%w	1.739
186.00	sw 100% sw	2.609

Total Length: 434.00 ft Total Volume: 6.087 bbl

Num Fluid Samples: 0

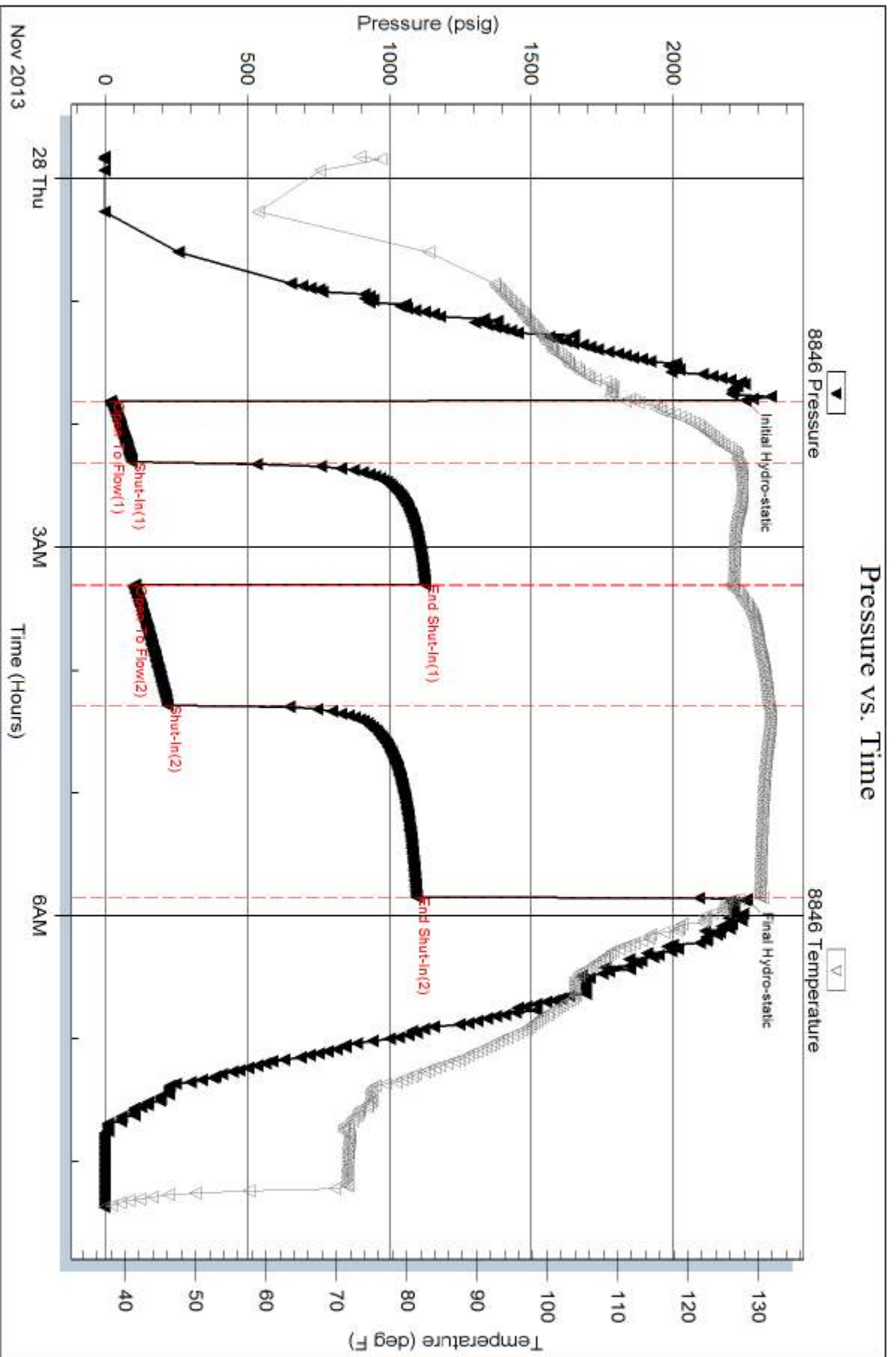
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .651@31.8*=25,000 ppm



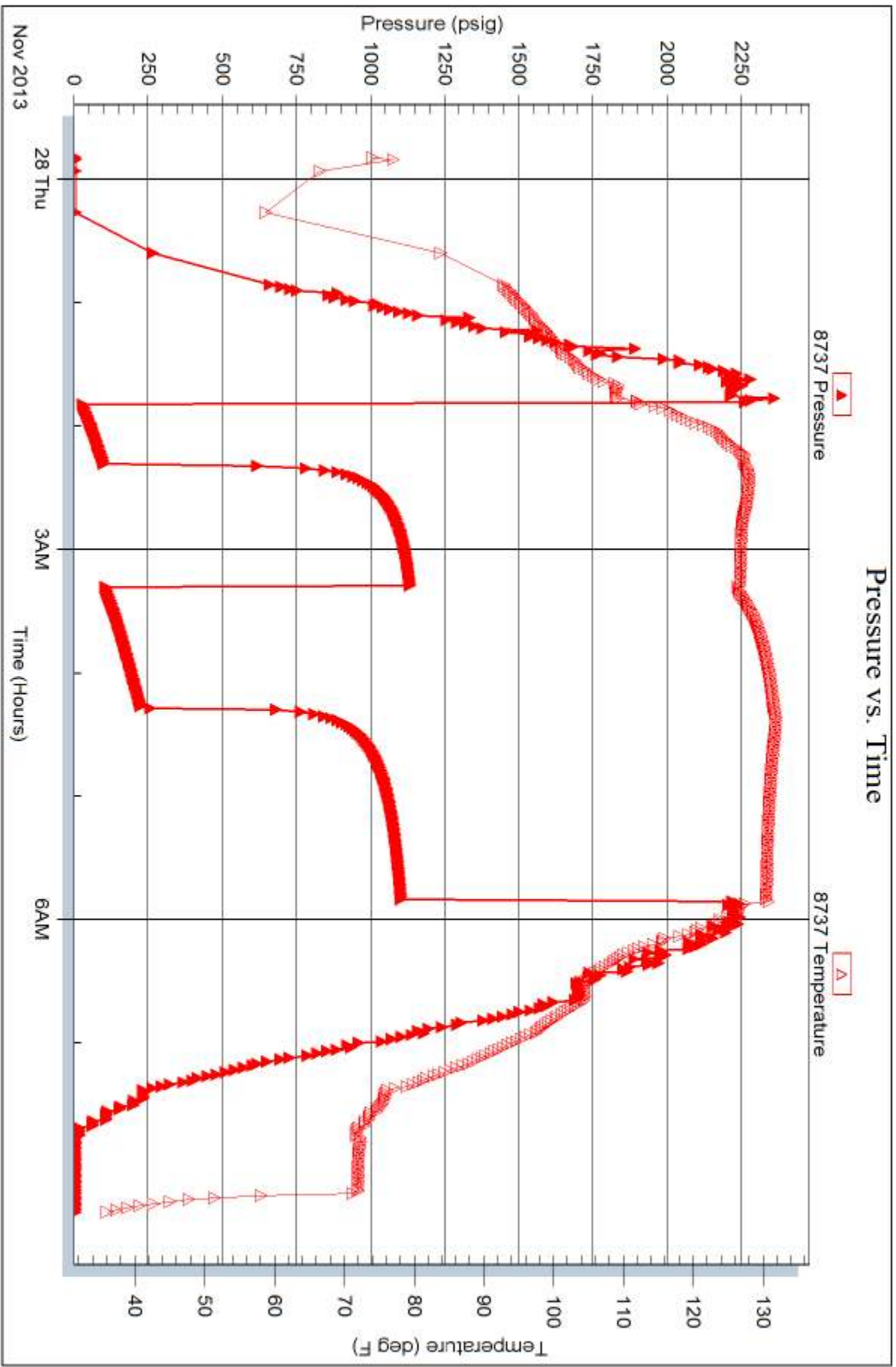
Serial #: 8737

Inside

Stelbar Oil Corporation

Rodenberg #1-19

DST Test Number: 6





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 54703

Well Name & No. Rodenberg #1-19 Test No. 1 Date 11-23-13
 Company Stelbar Oil Corporation Elevation 2957 KB 2952 GL
 Address 1625 N. Waterfront Pkwy Wichita KS 67206
 Co. Rep / Geo. Dave Goldak Rig Pickrell 10
 Location: Sec. 19 Twp. 16S Rge. 31W Co. SCOTT State KS

Interval Tested 3992-4014 Zone Tested LKC "B"
 Anchor Length 22 Drill Pipe Run 3968 Mud Wt. 8.9
 Top Packer Depth 3988 Drill Collars Run 0 Vis 68
 Bottom Packer Depth 3992 Wt. Pipe Run 0 WL 6.8
 Total Depth 4014 Chlorides 1600 ppm System LCM 2
 Blow Description IF: Built to 1 1/8"
IS: NO Return Blow
FF: Built to 3/4"
FS: NO Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>MCO</u>	<u>60</u>		<u>40</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 15 BHT 107 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>1923</u>	<input checked="" type="checkbox"/> Test <u>1250.00</u>	T-On Location <u>02:30</u>
(B) First Initial Flow <u>15</u>	<input checked="" type="checkbox"/> Jars <u>250.00</u>	T-Started <u>05:40</u>
(C) First Final Flow <u>19</u>	<input checked="" type="checkbox"/> Safety Joint <u>25.00</u>	T-Open <u>07:46</u>
(D) Initial Shut-In <u>801</u>	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>09:46</u>
(E) Second Initial Flow <u>21</u>	<input type="checkbox"/> Hourly Standby	T-Out
(F) Second Final Flow <u>21</u>	<input checked="" type="checkbox"/> Mileage <u>40RT 62</u>	Comments
(G) Final Shut-In <u>498</u>	<input checked="" type="checkbox"/> Sampler <u>250.00</u>	
(H) Final Hydrostatic <u>1916</u>	<input type="checkbox"/> Straddle	

Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>1887</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't

Approved By Dave Goldak Our Representative Mike Roberts
 Sub Total 11887.00

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TRILOBITE TESTING, INC.

P.O. Box 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 54703 Date 11-23-13
 Company Name Stelbar Oil Corporation
 Lease Rodenberg #1-19 Test No. 1
 County Scott Sec. 19 Twp. 16 S Rng. 31 W

SAMPLER RECOVERY

PIT MUD ANALYSIS

Gas	<input checked="" type="checkbox"/>	ML	Chlorides	<u>1600</u>	ppm.
Oil	<u>12</u>	ML	Resistivity	1600	ohms @ _____ F
Mud	<u>8</u>	ML	Viscosity	<u>68</u>	
Water	<input checked="" type="checkbox"/>	ML	Mud Weight	<u>8.9</u>	
Other	<input checked="" type="checkbox"/>	ML	Filtrate	<u>6.8</u>	
Pressure	<input checked="" type="checkbox"/>	ML	<u>LCM</u> Other	<u>2</u>	
Total	<u>20</u>	ML			

SAMPLER ANALYSIS

PIPE RECOVERY

Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
 Gravity NA corrected @60F

~~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. 54704

Well Name & No. Rodberg # 1-19 Test No. 2 Date 11-24-13
 Company Stelbar Oil Corporation Elevation 2957 KB 2952 GL
 Address 1625 N. Waterfront Pkwy Wichita KS 67206
 Co. Rep / Geo. Dave Goldak Rig Pickrell 10
 Location: Sec. 19 Twp. 16S Rge. 31W Co. SCOTT State KS

Interval Tested 4020-4068 Zone Tested C+D
 Anchor Length 48' Drill Pipe Run 4000 Mud Wt. 8.9
 Top Packer Depth 4014 Drill Collars Run 0 Vis 68
 Bottom Packer Depth 4020 Wt. Pipe Run 0 WL 6.8
 Total Depth 4068 Chlorides 1600 ppm System LCM 2

Blow Description IF: Built to 7 1/2" Blow
IS: Built to weak surface Blow
FF: Built to 9" Blow
FS: Built to weak surface Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>4</u>	Feet of <u>Free oil</u>	<u>100</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>62</u>	Feet of <u>OCM</u>	<u>20</u>	<u>0</u>	<u>80</u>	<u>0</u>
<u>62</u>	Feet of <u>OCWM</u>	<u>5</u>	<u>55</u>	<u>40</u>	<u>0</u>
<u>62</u>	Feet of <u>OCM</u>	<u>20</u>	<u>0</u>	<u>80</u>	<u>0</u>
<u> </u>	Feet of <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

Rec Total 190 BHT 119 Gravity 31 API RW 221 @ 40.1 °F Chlorides 14,000 ppm

(A) Initial Hydrostatic <u>1963</u>	<input checked="" type="checkbox"/> Test <u>1250.00</u>	T-On Location <u>22:30</u>
(B) First Initial Flow <u>38</u>	<input checked="" type="checkbox"/> Jars <u>250.00</u>	T-Started <u>23:36</u>
(C) First Final Flow <u>69</u>	<input type="checkbox"/> Safety Joint <u>75.00</u>	T-Open <u>02:02</u>
(D) Initial Shut-In <u>979</u>	<input checked="" type="checkbox"/> Circ Sub	T-Pulled <u>06:02</u>
(E) Second Initial Flow <u>73</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>08:12</u>
(F) Second Final Flow <u>123</u>	<input checked="" type="checkbox"/> Mileage <u>40RT = 62.00</u>	Comments
(G) Final Shut-In <u>960</u>	<input checked="" type="checkbox"/> Sampler <u>250.00</u>	
(H) Final Hydrostatic <u>1959</u>	<input type="checkbox"/> Straddle	

Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>60</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Final Shut-In <u>90</u>	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility	Total <u>1887</u>
	Sub Total <u>\$1887.00</u>	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. 54704 Date 11-24-13
 Company Name Stelbar Oil Corporation
 Lease Rodenberg #1-19 Test No. 2
 County SCOTT Sec. 19 Twp. 16S Rng. 3/W

SAMPLER RECOVERY

PIT MUD ANALYSIS

Gas <u>∅</u>	ML	Chlorides <u>1600</u>	ppm.
Oil <u>∅</u>	ML	Resistivity <u>∅</u>	ohms @ _____ F
Mud <u>100</u>	ML	Viscosity <u>68</u>	
Water <u>∅</u>	ML	Mud Weight <u>8.9</u>	
Other <u>∅</u>	ML	Filtrate <u>∅</u>	<u>1.8</u>
Pressure <u>∅</u>	ML	<u>LCM</u>	<u>2</u>
Total <u>100</u>	ML	Other	

SAMPLER ANALYSIS

PIPE RECOVERY

Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
 Gravity ∅ ∅ NA corrected @60F

~~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. 54705

Well Name & No. Rodenberg #1-19 Test No. 3 Date 11-25-13
 Company Stelbar Oil Corporation Elevation 2957 KB 2952 GL
 Address 1625 N. Waterfront Pkwy Wichita KS 67206
 Co. Rep / Geo. Dave Goldak Rig Pickrell 10
 Location: Sec. 19 Twp. 16S Rge. 31W Co. Scott State KS

Interval Tested 4132-4206 - 4218 Zone Tested LKC H-I
 Anchor Length 74 Drill Pipe Run 4125 Mud Wt. 9.1
 Top Packer Depth 4128 Drill Collars Run 0 Vis 46
 Bottom Packer Depth 4132 Wt. Pipe Run 0 WL 8.0
 Total Depth 4218 Chlorides 1800 ppm System LCM 2

Blow Description IF: Built to 3" Blow
IS: NO Return Blow
FF: Built to 5" Blow
FS: NO Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>90</u>	<u>MUD with oil 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 Total 90 BHT 116 Gravity 1250.00 API RW 62.00 @ 600.00 °F Chlorides 1800 ppm

(A) Initial Hydrostatic 2020 Test 1250.00 T-On Location 22:30
 (B) First Initial Flow 48 Jars 250.00 T-Started 01:18
 (C) First Final Flow 63 Safety Joint 75.00 T-Open 03:20
 (D) Initial Shut-In 1114 Circ Sub NC T-Pulled 02:20
 (E) Second Initial Flow 64 Hourly Standby T-Out 09:30
 (F) Second Final Flow 88 Mileage 40 RT 62.00 Comments _____
 (G) Final Shut-In 1100 Sampler 250.00
 (H) Final Hydrostatic 2043 Straddle 600.00

Initial Open 30 Shale Packer _____ Ruined Shale Packer _____
 Initial Shut-In 60 Extra Packer _____ Ruined Packer _____
 Final Flow 60 Extra Recorder _____ Extra Copies _____
 Final Shut-In 90 Day Standby _____ Sub Total 0
 Sub Total 2487.00 Total 2487 MP/DST Disc't _____

Approved By Dave Goldak Our Representative Mike Rohlf

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TRILOBITE TESTING, INC.

P.O. Box 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 54705 Date 11-25-13
 Company Name Stelbar Oil Corporation
 Lease Rodenberg #1-19 Test No. 3
 County Scott Sec. 19 Twp. 16S Rng. 3/W

SAMPLER RECOVERY

PIT MUD ANALYSIS

Gas <u>∅</u>	ML	Chlorides <u>1800</u>	ppm.
Oil <u>spots</u>	ML	Resistivity <u>8.0</u>	ohms @ _____ F
Mud <u>∅ 3000</u>	ML	Viscosity <u>46</u>	
Water <u>∅</u>	ML	Mud Weight <u>9.1</u>	
Other <u>∅</u>	ML	Filtrate <u>8.0</u>	
Pressure <u>∅</u>	ML	^{LCM} Other <u>2</u>	
Total <u>2000</u>	ML		

SAMPLER ANALYSIS

Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
 Gravity NA 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. 54706

Well Name & No. Rodenburg #1-19 Test No. 4 Date 11-26-13
 Company Stelbar Oil Corporation Elevation 2957 KB 2952 GL
 Address 1625 N. Waterfront Pkwy Wichita KS 67206
 Co. Rep / Geo. Dave Goldak Rig Pickrell 10
 Location: Sec. 19 Twp. 16S Rge. 3/W Co. Scott State KS

Interval Tested 4437-4468 Zone Tested Pawnee
 Anchor Length ~~4433~~ 31 Drill Pipe Run 4437 Mud Wt. 9.2
 Top Packer Depth ~~4437~~ 4431 Drill Collars Run Ø Vis 47
 Bottom Packer Depth 4437 Wt. Pipe Run Ø WL 9.2
 Total Depth 4468 Chlorides 1700 ppm System LCM 2
 Blow Description IF: Built to 1/4" Blow
IS: No Return Blow
FF: No Blow
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>mud with oil 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 5 BHT 112 Gravity — API RW — @ — °F Chlorides — ppm
 (A) Initial Hydrostatic 2170 Test 1250.00 T-On Location 10:10
 (B) First Initial Flow 14 Jars 250.00 T-Started 11:36
 (C) First Final Flow 15 Safety Joint 75.00 T-Open 13:30
 (D) Initial Shut-In 17 Circ Sub NC T-Pulled 15:30
 (E) Second Initial Flow 14 Hourly Standby — T-Out 17:08
 (F) Second Final Flow 14 Mileage 40 RT 62. Comments —
 (G) Final Shut-In 15 Sampler 250.00
 (H) Final Hydrostatic 2199 Straddle — Ruined Shale Packer —

Initial Open 30 Shale Packer — Ruined Packer —
 Initial Shut-In 30 Extra Packer — Extra Copies —
 Final Flow 30 Extra Recorder — Sub Total 0
 Final Shut-In 30 Day Standby — Total 1637
 Accessibility — MP/DST Disc't —

Approved By [Signature] Our Representative [Signature]
 Sub Total 1637 1887.00

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TRILOBITE TESTING, INC.

P.O. Box 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 54706 Date 11-26-13
 Company Name Stelbar Oil Corporation
 Lease Rodenberg # 1-19 Test No. 4
 County SCOTT Sec. 19 Twp. 16S Rng. 3/W

SAMPLER RECOVERY

PIT MUD ANALYSIS

Gas _____ ML Chlorides 1700 ppm.
 Oil _____ ML Resistivity 9.2 ohms @ _____ F
 Mud _____ ML Viscosity 47
 Water _____ ML Mud Weight 9.2
 Other _____ ML Filtrate 9.2
 Pressure _____ ML ^{4cm} Other 2
 Total _____ ML

SAMPLER ANALYSIS

PIPE RECOVERY

Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
 Gravity _____ corrected @60F

~~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. 54707

Well Name & No. Rodenberg #1-19 Test No. 5 Date 11-27-13
 Company Stelbar Oil Corporation Elevation 2957 KB 2952 GL
 Address 1625 N. Waterfront Pkwy Wichita KS 67206
 Co. Rep / Geo. Dave Goldak Rig Pickrell 10
 Location: Sec. 19 Twp. 16S Rge. 31W Co. SCOTT State KS

Interval Tested 4480-4581 Zone Tested F1 Scott Johnson
 Anchor Length 101 Drill Pipe Run 4468 Mud Wt. 9.4
 Top Packer Depth 4474 Drill Collars Run 0 Vis 65
 Bottom Packer Depth 4480 Wt. Pipe Run 0 WL 12.0
 Total Depth 4581 Chlorides 1800 ppm System LCM 2

Blow Description IF: Built to 1" Blow
IS: No Return Blow
FF: Built to Weak Surface Blow
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>62</u>	<u>MUD</u>			<u>100</u>	

Rec Total 62 BHT 114 Gravity _____ API RW _____ @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2229</u>	<input checked="" type="checkbox"/> Test <u>1250.00</u>	T-On Location <u>08:15</u>
(B) First Initial Flow <u>52</u>	<input checked="" type="checkbox"/> Jars <u>250.00</u>	T-Started <u>09:06</u>
(C) First Final Flow <u>86</u>	<input type="checkbox"/> Safety Joint <u>75.00</u>	T-Open <u>11:10</u>
(D) Initial Shut-In <u>290</u>	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>13:10</u>
(E) Second Initial Flow <u>54</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>14:53</u>
(F) Second Final Flow <u>55</u>	<input checked="" type="checkbox"/> Mileage <u>40RT = 62.00/-</u>	Comments _____
(G) Final Shut-In <u>577</u>	<input checked="" type="checkbox"/> Sampler <u>250.00</u>	
(H) Final Hydrostatic <u>2264</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____

Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby _____	Total <u>1887</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>4887.00/-</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. 54707 Date 11-27-13
 Company Name Stelbar Oil Corporation
 Lease Rodenberg #1-19 Test No. 5
 County Scott Sec. 19 Twp. 765 Rng. 31W

SAMPLER RECOVERY

PIT MUD ANALYSIS

Gas <u>Ø</u>	ML	Chlorides <u>1800</u>	ppm.
Oil <u>Ø</u>	ML	Resistivity <u>NA</u>	ohms @ _____ F
Mud <u>3000</u>	ML	Viscosity <u>65</u>	
Water <u>Ø</u>	ML	Mud Weight <u>9.4</u>	
Other <u>Ø</u>	ML	Filtrate <u>12.0</u>	
Pressure <u>Ø</u>	ML	^{LEM} Other <u>2</u>	
Total <u>3000</u>	ML		

SAMPLER ANALYSIS

PIPE RECOVERY

Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
NA
 Gravity _____ corrected @60F

~~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. 54708

11-28-13

Well Name & No. Rodenberg #1-19 Test No. 6 Date 11-27-13
 Company Stelbar Oil Corporation Elevation 2957 KB 2952 GL
 Address 1625 N. Waterfront Pkwy Wichita KS 67206
 Co. Rep / Geo. Dave Goldak Rig Pickrell 10
 Location: Sec. 19 Twp. 16S Rge. 31W Co. Scott State KS

Interval Tested 4582-4614 Zone Tested Basel Penn Sand
 Anchor Length 32' Drill Pipe Run 4563 Mud Wt. 9.4
 Top Packer Depth 4578 Drill Collars Run Ø Vis 56
 Bottom Packer Depth 4582 Wt. Pipe Run Ø WL 11.4
 Total Depth 4614 Chlorides 1600 ppm System LCM 2

Blow Description IF: Built to 6" Blow
IS: No Return Blow
FF: Built to 4" Blow
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>124</u>	<u>WCW Skim of oil</u>		<u>30</u>	<u>70</u>	
<u>124</u>	<u>MCW</u>		<u>80</u>	<u>20</u>	
<u>184</u>	<u>SW</u>		<u>100</u>		

Rec Total _____ BHT 130 Gravity _____ API RW .651 @ 31.8° F Chlorides 25000 ppm
 (A) Initial Hydrostatic 2254 Test 1250.00% T-On Location 22:50
 (B) First Initial Flow 19 Jars 250.00% T-Started 23:49
 (C) First Final Flow 94 Safety Joint 75.00% T-Open 01:48
 (D) Initial Shut-In 1125 Circ Sub NC T-Pulled 05:48
 (E) Second Initial Flow 99 Hourly Standby _____ T-Out 08:23
 (F) Second Final Flow 220 Mileage 40 RT 62.00% Comments _____
 (G) Final Shut-In 1095 Sampler 250.00% _____
 (H) Final Hydrostatic 2259 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1887
 Accessibility _____ MP/DST Disc't _____

Initial Open 30
 Initial Shut-In 60
 Final Flow 60
 Final Shut-In 90
 Approved By [Signature] Our Representative [Signature]
 Sub Total \$1887.00 F

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TRILOBITE TESTING, INC.
P.O. Box 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 54708 Date 7-28-13
 Company Name Stelbar Oil Corporation
 Lease Rodenberg #1-19 Test No. 6
 County Scott Sec. 19 Twp. 16S Rng. 31W

SAMPLER RECOVERY

PIT MUD ANALYSIS

Gas ∅ ML Chlorides 1600 ppm.
 Oil ∅ ML Resistivity _____ ohms @ _____ F
 Mud ∅ ML Viscosity 56
 Water 3000 ML Mud Weight 9.4
 Other ∅ ML Filtrate 11.4
 Pressure ∅ ML LCM
 Total 3000 ML Other 2

SAMPLER ANALYSIS

PIPE RECOVERY

Resistivity 1.651 ohms @ 31.8/- F
 Chlorides 25,000 ppm.
 Gravity NA corrected @60F

~~TOP
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
 MIDDLE
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
 BOTTOM
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.~~