



DRILL STEM TEST REPORT

Prepared For: **Stelbar Oil Corp.**

1625 N Waterfront Pkwy
Ste 200
Wichita, KS 67206

ATTN: Dave Goldak

Christy Unit #1-19

19-17s-32w Scott,KS

Start Date: 2016.11.08 @ 16:04:00

End Date: 2016.11.09 @ 03:25:15

Job Ticket #: 63464 DST #: 1

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

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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Stelbar Oil Corp.
1625 N Waterfront Pkw y
Ste 200
Wichita, KS 67206
ATTN: Dave Goldak

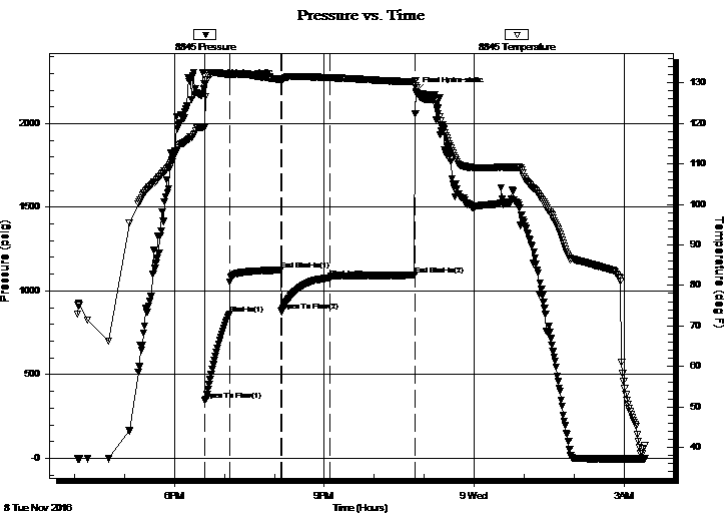
19-17s-32w Scott,KS
Christy Unit #1-19
Job Ticket: 63464 **DST#: 1**
Test Start: 2016.11.08 @ 16:04:00

GENERAL INFORMATION:

Formation: **Marmaton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:36:45
Time Test Ended: 03:25:15
Interval: **4388.00 ft (KB) To 4416.00 ft (KB) (TVD)**
Total Depth: 4416.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Bradley Walter
Unit No: 78
Reference Elevations: 2989.00 ft (KB)
2978.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8845 Outside
Press@RunDepth: 1078.88 psig @ 4389.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2016.11.08 End Date: 2016.11.09 Last Calib.: 2016.11.09
Start Time: 16:04:05 End Time: 03:25:15 Time On Btm: 2016.11.08 @ 18:36:00
Time Off Btm: 2016.11.08 @ 22:50:15

TEST COMMENT: IF: BOB @ 40 sec.
IS: BOB @ 10 min. receded to 4".
FF: BOB @ 1 min.
FS: BOB @ 15 min. receded to 2".



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2239.87	119.23	Initial Hydro-static
1	348.34	119.06	Open To Flow (1)
31	863.01	132.01	Shut-In(1)
92	1124.47	130.81	End Shut-In(1)
93	878.04	130.63	Open To Flow (2)
151	1078.88	131.25	Shut-In(2)
253	1093.89	130.21	End Shut-In(2)
255	2189.11	129.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	gocm 30g 30o 40m	
2660.00	go 35g 65o	

Gas Rates

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



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19-17s-32w Scott, KS

1625 N Waterfront Pkw y
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ATTN: Dave Goldak

Christy Unit #1-19

Job Ticket: 63464

DST#: 1

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Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 78

Interval: 4388.00 ft (KB) To 4416.00 ft (KB) (TVD)

Reference Elevations: 2989.00 ft (KB)

Total Depth: 4416.00 ft (KB) (TVD)

2978.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8365 Inside

Press@RunDepth: psig @ 4389.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.11.08

End Date:

2016.11.09

Last Calib.:

2016.11.09

Start Time:

16:04:05

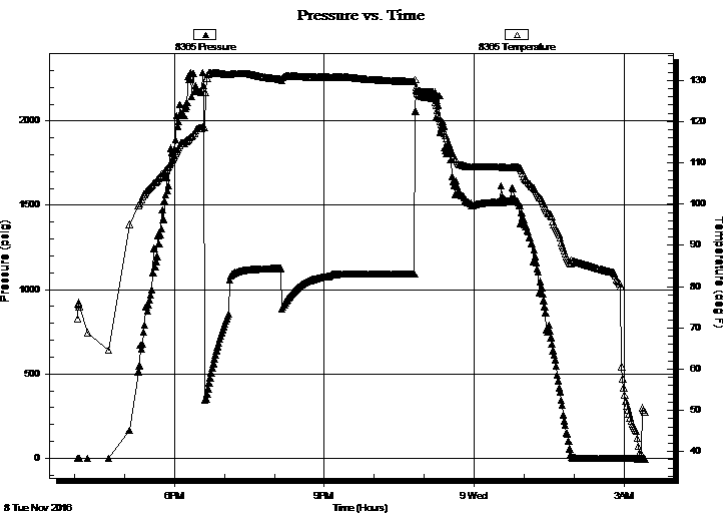
End Time:

03:25:15

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: BOB @ 40 sec.
IS: BOB @ 10 min. receded to 4".
FF: BOB @ 1 min.
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PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
120.00	gocm 30g 30o 40m	
2660.00	go 35g 65o	

Gas Rates

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



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TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Stelbar Oil Corp.

19-17s-32w Scott,KS

1625 N Waterfront Pkwy
Ste 200
Wichita, KS 67206
ATTN: Dave Goldak

Christy Unit #1-19

Job Ticket: 63464

DST#: 1

Test Start: 2016.11.08 @ 16:04:00

Tool Information

Drill Pipe:	Length: 4085.00 ft	Diameter:	inches	Volume: 3968261 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter:	inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 276.00 ft	Diameter:	inches	Volume: 2681126 bbl	Weight to Pull Loose:	78000.00 lb
				<u>Total Volume: 4236374 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	2.00 ft				String Weight: Initial	63000.00 lb
Depth to Top Packer:	4388.00 ft				Final	67000.00 lb
Depth to Bottom Packer:	ft					
Interval between Packers:	28.00 ft					
Tool Length:	57.00 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			4360.00	
Shut In Tool	5.00			4365.00	
Sampler	2.00			4367.00	
Hydraulic tool	5.00			4372.00	
Jars	5.00			4377.00	
Safety Joint	2.00			4379.00	
Packer	5.00			4384.00	29.00 Bottom Of Top Packer
Packer	4.00			4388.00	
Stubb	1.00			4389.00	
Recorder	0.00	8365	Inside	4389.00	
Recorder	0.00	8845	Outside	4389.00	
Perforations	24.00			4413.00	
Bullnose	3.00			4416.00	28.00 Bottom Packers & Anchor

Total Tool Length: 57.00



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FLUID SUMMARY

Stelbar Oil Corp.

19-17s-32w Scott,KS

1625 N Waterfront Pkw y
Ste 200
Wichita, KS 67206
ATTN: Dave Goldak

Christy Unit #1-19

Job Ticket: 63464

DST#: 1

Test Start: 2016.11.08 @ 16:04:00

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:

0 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
120.00	gocm 30g 30o 40m	
2660.00	go 35g 65o	

Total Length: 2780.00 ft

Total Volume:

bbbl

Num Fluid Samples: 0

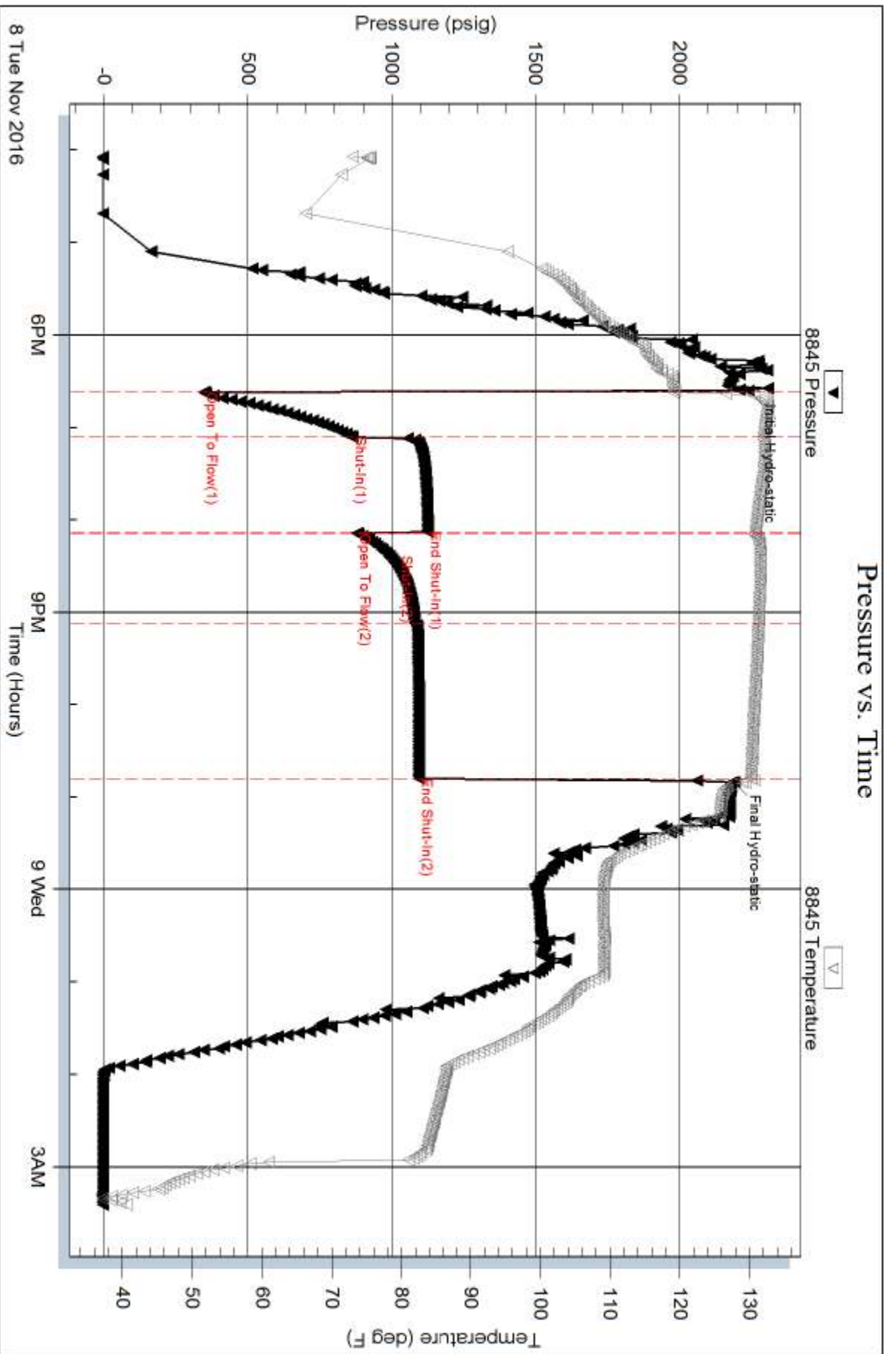
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: sampler 450psi 6 cf gas 1800 ml oil



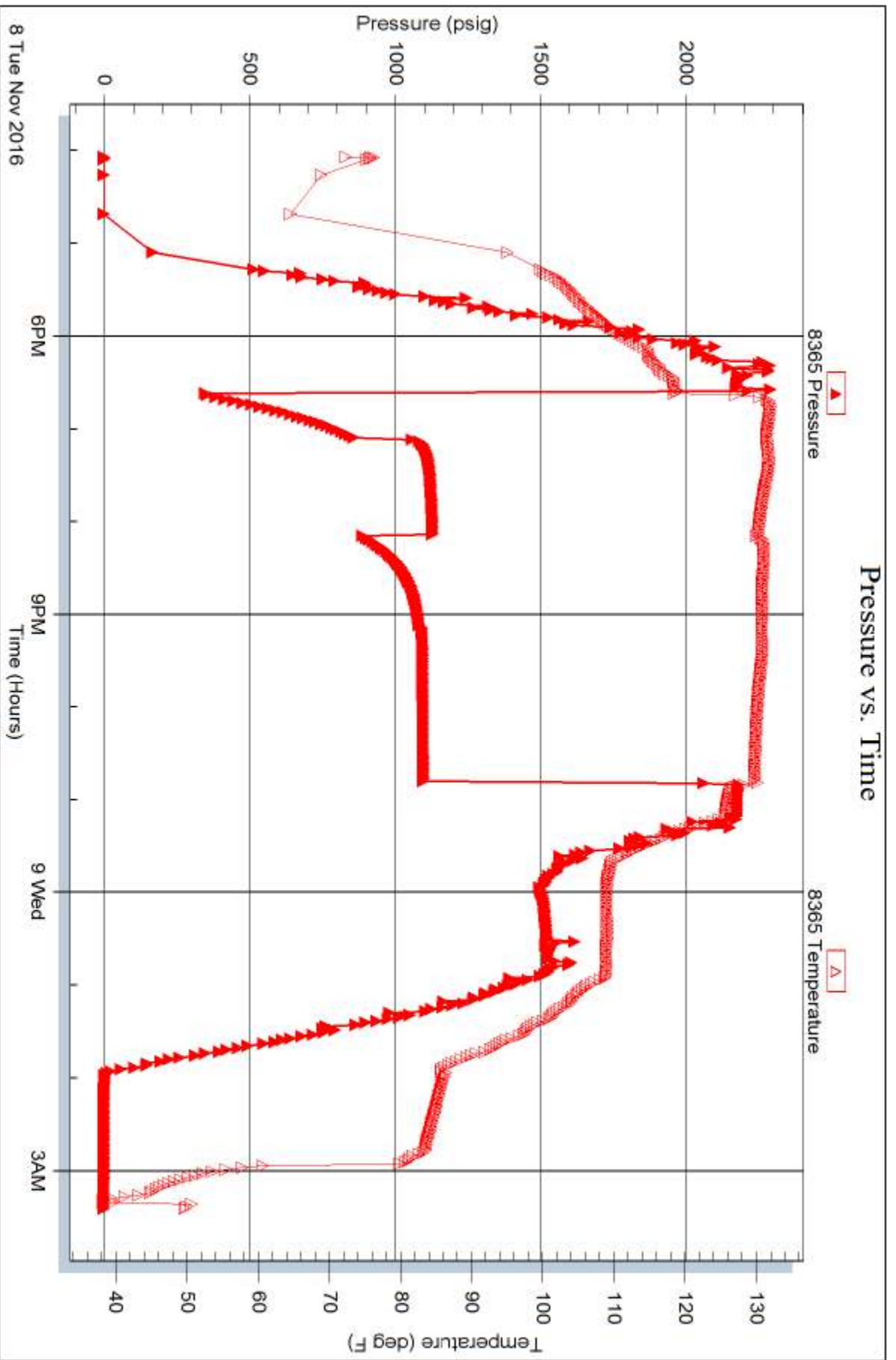
Serial #: 8365

Inside

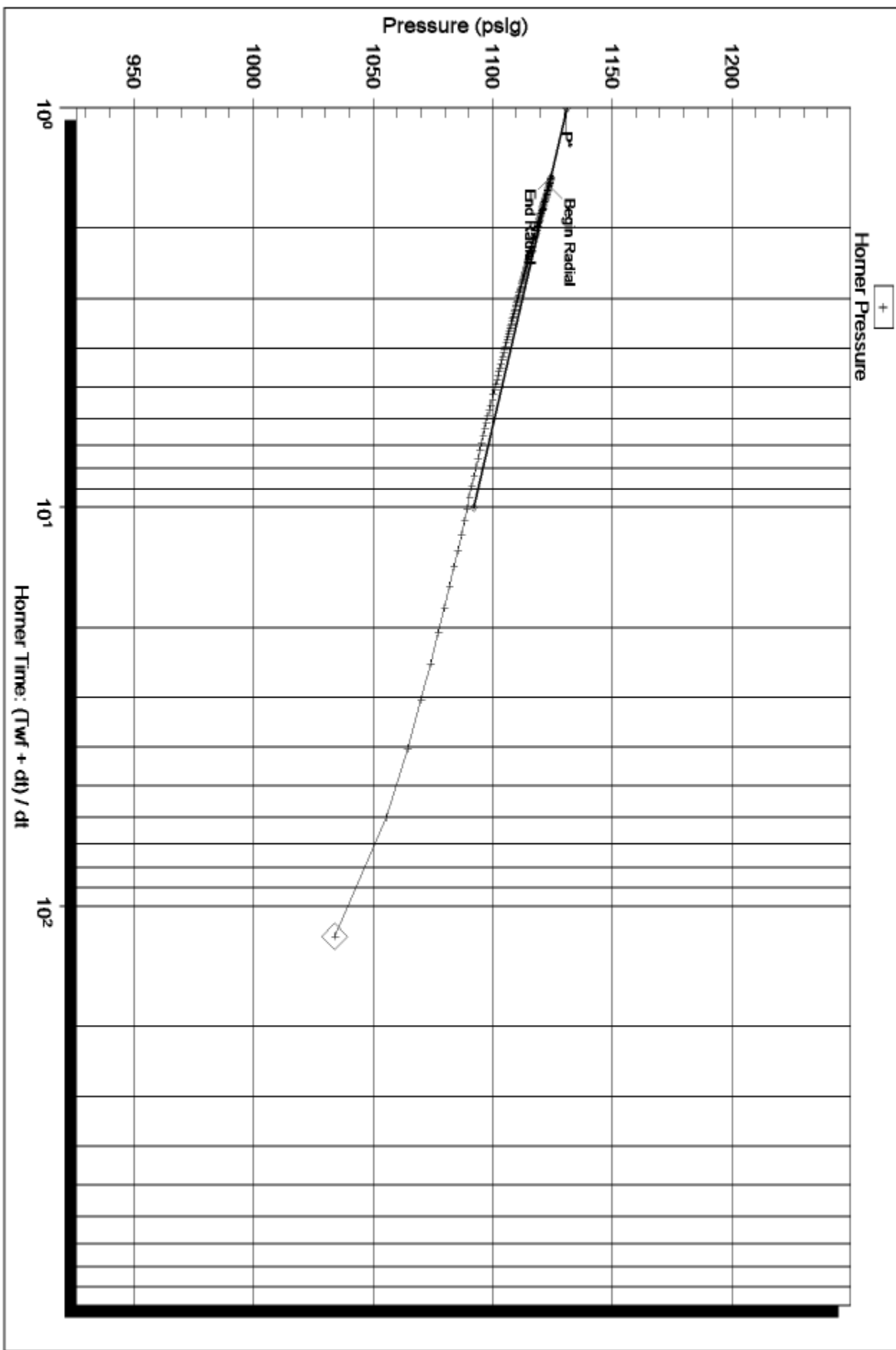
Starbar Oil Corp.

Christy Unit #1-19

DST Test Number: 1



Horner Plot



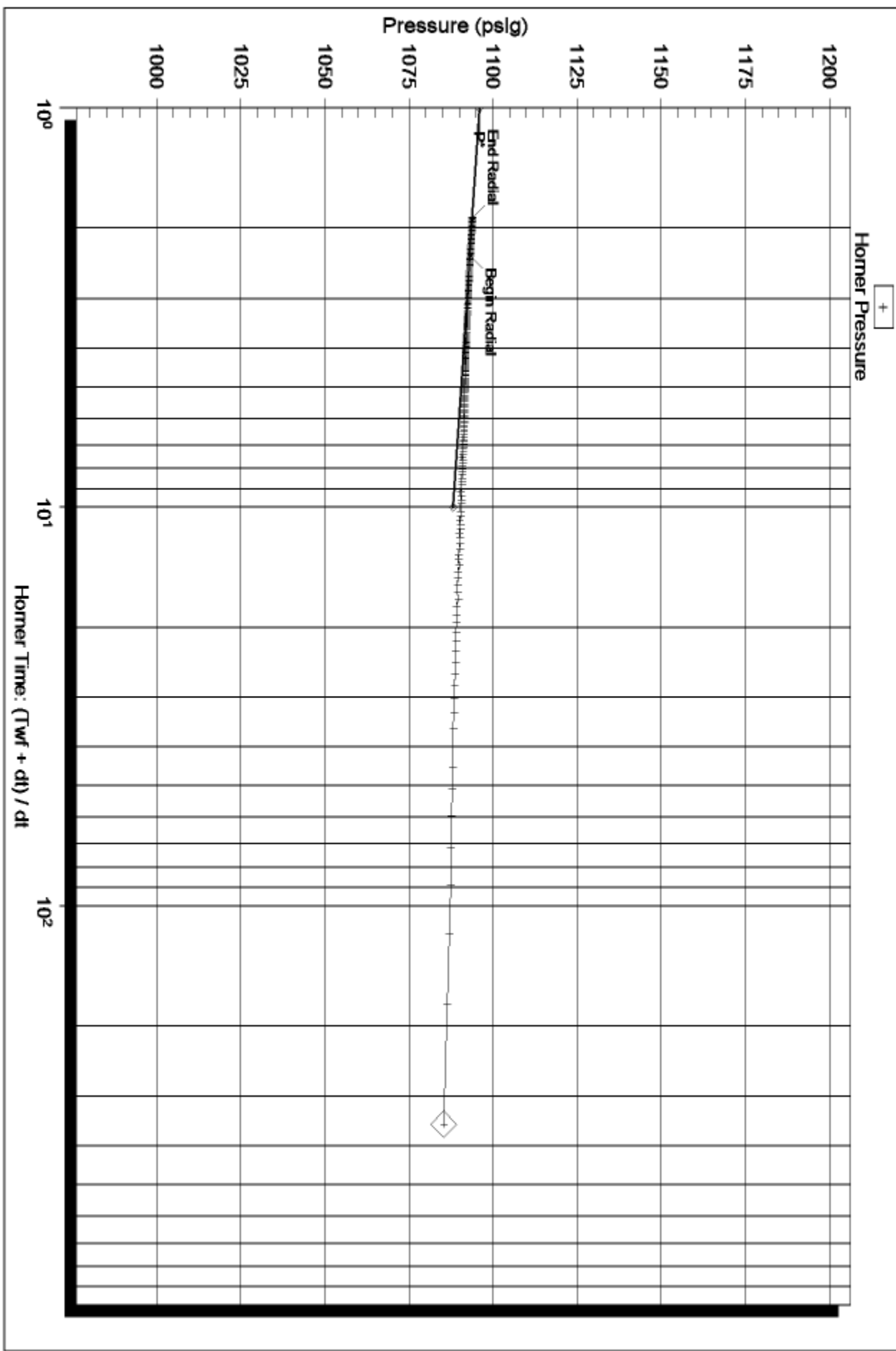
Serial Number: 8845 (Outside)

P* : 1131.13

Slope (m) : 38.85 kpa/log cycle

Flow Cycle: 1

Horner Plot



Serial Number: 8845 (Outside)

P* : 1096.09

Slope (m) : 7.97 kpa/log cycle

Flow Cycle: 2



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **63464**

Well Name & No. Christy Unit # 1-19 Test No. 1 Date 11/09/2016
 Company Stelbar Oil Corp. Elevation 2989 KB 2978 GL
 Address 1625 N Waterfront Pkwy Ste 200 Wichita, Ks 67206
 Co. Rep / Geo. Dave Goldak Rig Martin 21
 Location: Sec. 19 Twp. 17s Rge. 32w Co. Scott State Ks

Interval Tested 4388 - 4416 Zone Tested Marnaton
 Anchor Length 28 Drill Pipe Run 4085 Mud Wt. 92
 Top Packer Depth 4383 Drill Collars Run 276 Vis 59
 Bottom Packer Depth 4388 Wt. Pipe Run 0 WL 8.8
 Total Depth 4416 Chlorides 4400 ppm System LCM 2#

Blow Description IF BOB @ 40 sec
ISI BOB @ 10 min
FF BOB @ 1 min
FSI BOB @ 15 min Gas to surface

Rec	Feet of	%gas	%oil	%water	%mud
<u>2660</u>	<u>60</u>	<u>35</u>	<u>36.5</u>	<u>40</u>	
<u>120</u>	<u>60cm</u>	<u>30</u>	<u>30</u>	<u>40</u>	
	<u>Gas to surface</u>				

Rec Total 2780 BHT 130 Gravity 30 API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2240</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>1500</u>
(B) First Initial Flow <u>348</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1605</u>
(C) First Final Flow <u>863</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1836</u>
(D) Initial Shut-In <u>1124</u>	<input checked="" type="checkbox"/> Circ Sub <u>used</u> <u>50</u>	T-Pulled <u>2236</u>
(E) Second Initial Flow <u>878</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>0325</u>
(F) Second Final Flow <u>1079</u>	<input checked="" type="checkbox"/> Mileage <u>17 RT x 2</u> <u>25.50</u>	Comments <u>Loaded @ 1130</u>
(G) Final Shut-In <u>1094</u>	<input checked="" type="checkbox"/> Sampler <u>250</u>	<u>1130 11/10/2016</u>
(H) Final Hydrostatic <u>2189</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 <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Initial Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	Total <u>1800.50</u>
Final Flow <u>60</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't
Final Shut-In <u>90</u>	Sub Total <u>1800.50</u>	

Approved By _____ Our Representative [Signature]

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.

P.O. Box 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 63464 Date 11/09/2016
 Company Name Stelbar Oil Corporation
 Lease Christy Unit # 1-19 Test No. 1
 County Scott Sec. 19 Twp. 17s Rng. 32w

SAMPLER RECOVERY

Gas 6 ccf ML
 Oil 1800 ML
 Mud — ML
 Water — ML
 Other — ML
 Pressure 450 psi ML
 Total 2000 ML

PIT MUD ANALYSIS

Chlorides 4400 ppm.
 Resistivity _____ ohms @ _____ F
 Viscosity 59
 Mud Weight 9.2
 Filtrate 8.8
 Other LCM 2#

SAMPLER ANALYSIS

Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
 Gravity 28 corrected @60F

PIPE RECOVERY

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