



DRILL STEM TEST REPORT

Prepared For: **Raymond Oil Company Inc.**

PO Box 48788
Wichita KS 67202

ATTN: Max Lovely

Keeton-Holstein #1

13 20s 36w Wichita, KS

Start Date: 2013.10.15 @ 06:23:00

End Date: 2013.10.15 @ 15:49:45

Job Ticket #: 55518 DST #: 1

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

Printed: 2013.10.18 @ 12:50:52



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Raymond Oil Company Inc.

13 20s 36w Wichita, KS

PO Box 48788
Wichita KS 67202

Keeton-Holstein #1

Job Ticket: 55518

DST#: 1

ATTN: Max Lovely

Test Start: 2013.10.15 @ 06:23:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:35:15

Time Test Ended: 15:49:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 69

Interval: 4466.00 ft (KB) To 4548.00 ft (KB) (TVD)

Reference Elevations: 3171.00 ft (KB)

Total Depth: 4548.00 ft (KB) (TVD)

3161.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8677 Inside

Press @ RunDepth: 167.60 psig @ 4467.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.10.15

End Date:

2013.10.15

Last Calib.: 2013.10.15

Start Time: 06:23:05

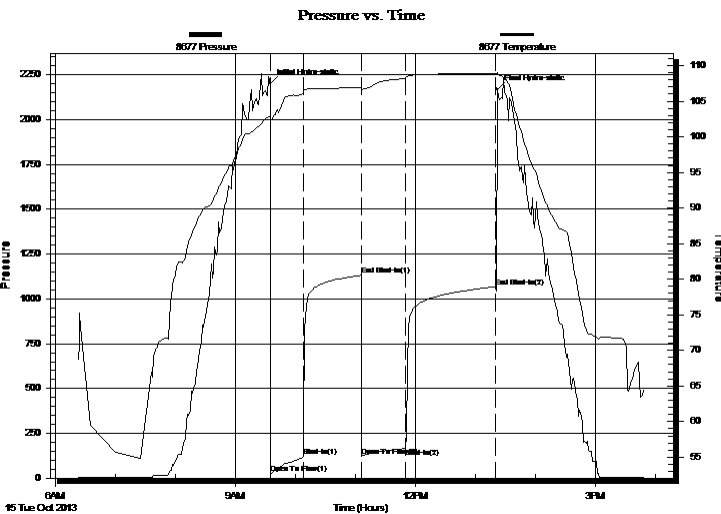
End Time:

15:49:45

Time On Btm: 2013.10.15 @ 09:35:00

Time Off Btm: 2013.10.15 @ 13:22:00

TEST COMMENT: IF: 7" blow.
IS: No return.
FF: 7" blow.
IS: No return.



PRESSURE SUMMARY

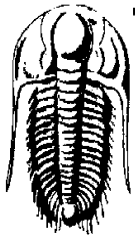
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2202.06	102.88	Initial Hydro-static
1	24.99	102.22	Open To Flow (1)
33	122.95	106.13	Shut-In(1)
91	1130.99	106.98	End Shut-In(1)
92	124.07	106.45	Open To Flow (2)
136	167.60	108.27	Shut-In(2)
225	1067.92	108.91	End Shut-In(2)
227	2168.47	109.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
310.00	mcw 40m 60w (oil specs in tool)	2.09

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Raymond Oil Company Inc.

13 20s 36w Wichita, KS

PO Box 48788
Wichita KS 67202

Keeton-Holstein #1

Job Ticket: 55518

DST#: 1

ATTN: Max Lovely

Test Start: 2013.10.15 @ 06:23:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:35:15

Time Test Ended: 15:49:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 69

Interval: 4466.00 ft (KB) To 4548.00 ft (KB) (TVD)

Reference Elevations: 3171.00 ft (KB)

Total Depth: 4548.00 ft (KB) (TVD)

3161.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8522 Outside

Press @RunDepth: psig @ 4467.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.10.15 End Date: 2013.10.15

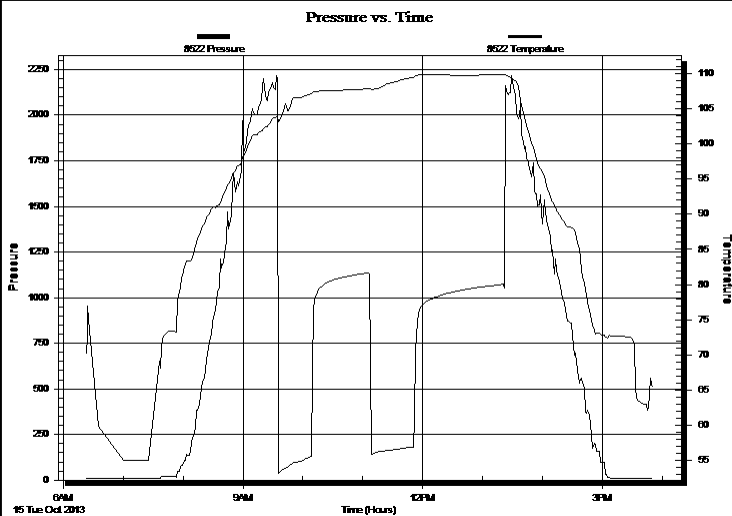
Last Calib.: 2013.10.15

Start Time: 06:23:05 End Time: 15:51:30

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: 7" blow.
IS: No return.
FF: 7" blow.
IS: No return.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
310.00	mcw 40m 60w (oil specs in tool)	2.09

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Raymond Oil Company Inc.

13 20s 36w Wichita, KS

PO Box 48788
Wichita KS 67202

Keeton-Holstein #1

Job Ticket: 55518

DST#: 1

ATTN: Max Lovely

Test Start: 2013.10.15 @ 06:23:00

Tool Information

Drill Pipe:	Length: 4198.00 ft	Diameter: 3.80 inches	Volume: 58.89 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: 248.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose:	69000.00 lb
			<u>Total Volume: 60.11 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial	53000.00 lb
Depth to Top Packer:	4466.00 ft			Final	54000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	82.00 ft				
Tool Length:	109.00 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			4440.00	
Shut In Tool	5.00			4445.00	
Hydraulic tool	5.00			4450.00	
Jars	5.00			4455.00	
Safety Joint	2.00			4457.00	
Packer	5.00			4462.00	27.00 Bottom Of Top Packer
Packer	4.00			4466.00	
Stubb	1.00			4467.00	
Recorder	0.00	8677	Inside	4467.00	
Recorder	0.00	8522	Outside	4467.00	
Perforations	13.00			4480.00	
Change Over Sub	1.00			4481.00	
Drill Pipe	63.00			4544.00	
Change Over Sub	1.00			4545.00	
Bullnose	3.00			4548.00	82.00 Bottom Packers & Anchor

Total Tool Length: 109.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Raymond Oil Company Inc.

13 20s 36w Wichita, KS

PO Box 48788
Wichita KS 67202

Keeton-Holstein #1

Job Ticket: 55518

DST#: 1

ATTN: Max Lovely

Test Start: 2013.10.15 @ 06:23:00

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:

23000 ppm

Viscosity: 65.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
310.00	mcw 40m 60w (oil specs in tool)	2.089

Total Length: 310.00 ft Total Volume: 2.089 bbl

Num Fluid Samples: 0

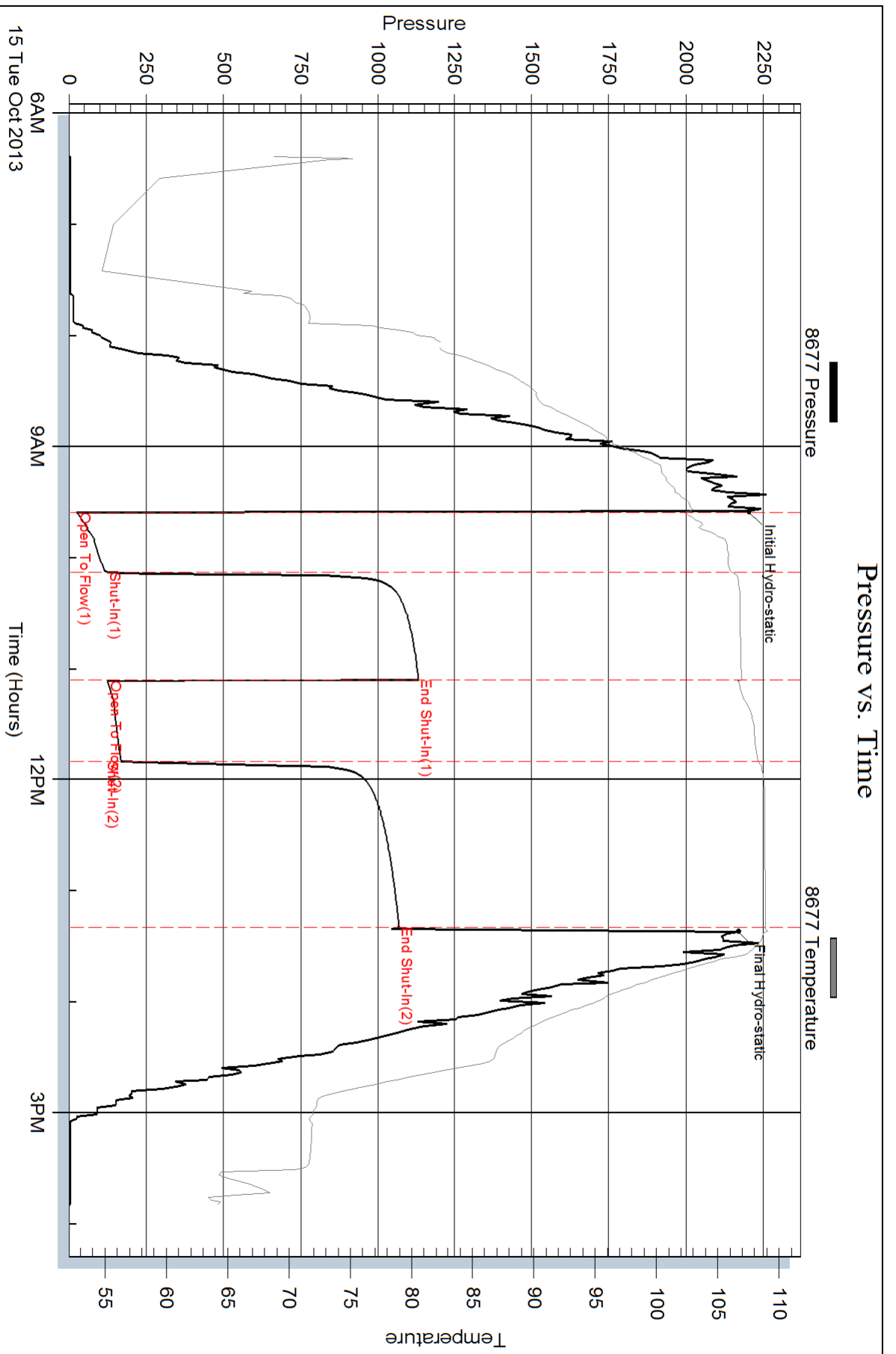
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .395 @ 53F = 23000ppm

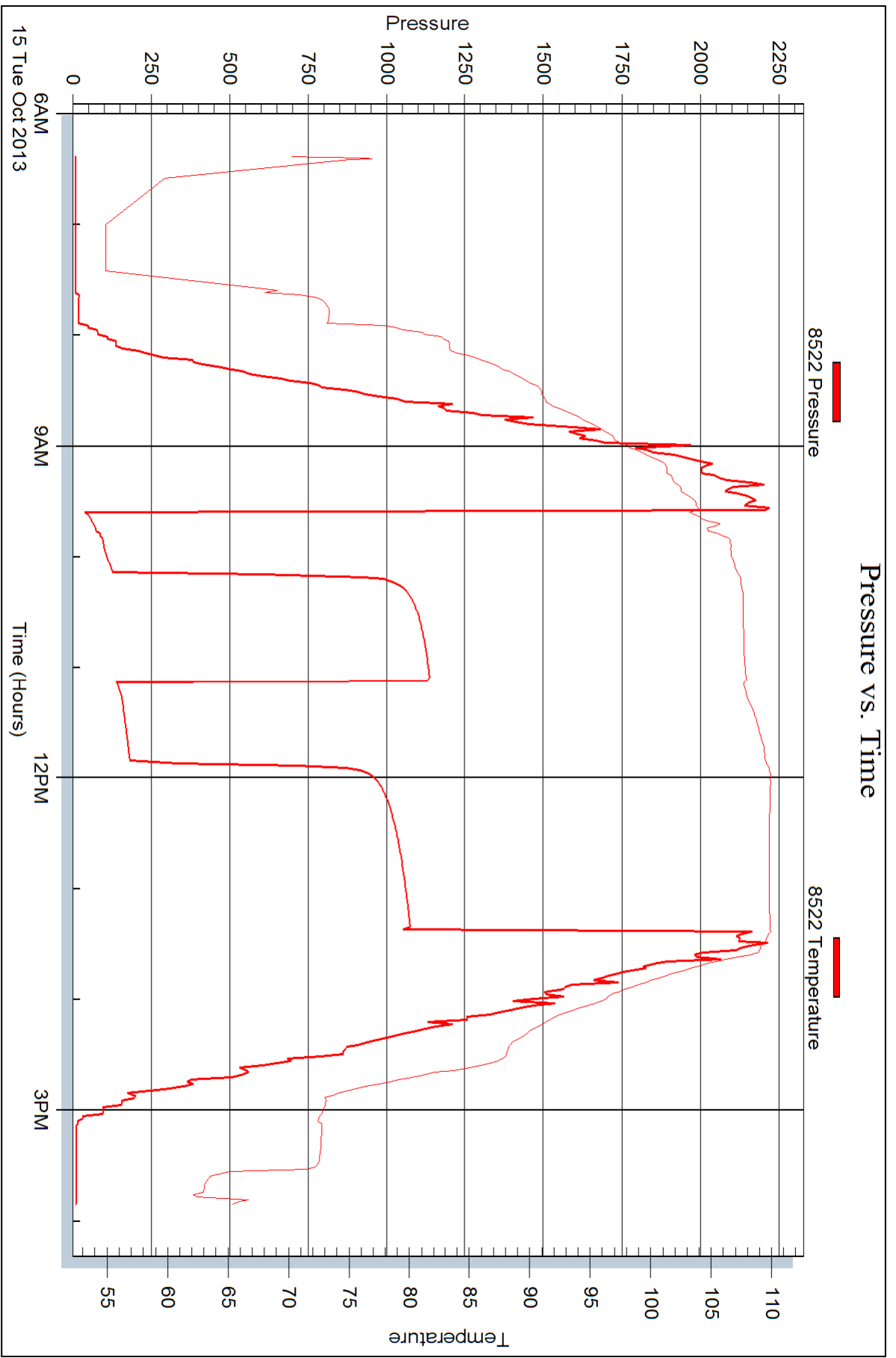


Serial #: 8522

Outside Raymond Oil Company Inc.

Keeton-Holstein #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 55518

Printed: 2013.10.18 @ 12:50:54



DRILL STEM TEST REPORT

Prepared For: **Raymond Oil Company Inc.**

PO Box 48788
Wichita KS 67202

ATTN: Max Lovely

Keeton-Holstein #1

13 20s 36w Wichita, KS

Start Date: 2013.10.15 @ 23:53:00

End Date: 2013.10.16 @ 09:13:45

Job Ticket #: 55519 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.10.18 @ 12:49:42



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Raymond Oil Company Inc.

13 20s 36w Wichita, KS

PO Box 48788
Wichita KS 67202

Keeton-Holstein #1

Job Ticket: 55519

DST#: 2

ATTN: Max Lovely

Test Start: 2013.10.15 @ 23:53:00

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:24:15

Time Test Ended: 09:13:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 69

Interval: 4546.00 ft (KB) To 4580.00 ft (KB) (TVD)

Total Depth: 4580.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3171.00 ft (KB)

3161.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8677

Inside

Press @ Run Depth: 237.90 psig @ 4547.00 ft (KB)

Start Date: 2013.10.15

End Date:

2013.10.16

Start Time: 23:53:05

End Time:

09:13:45

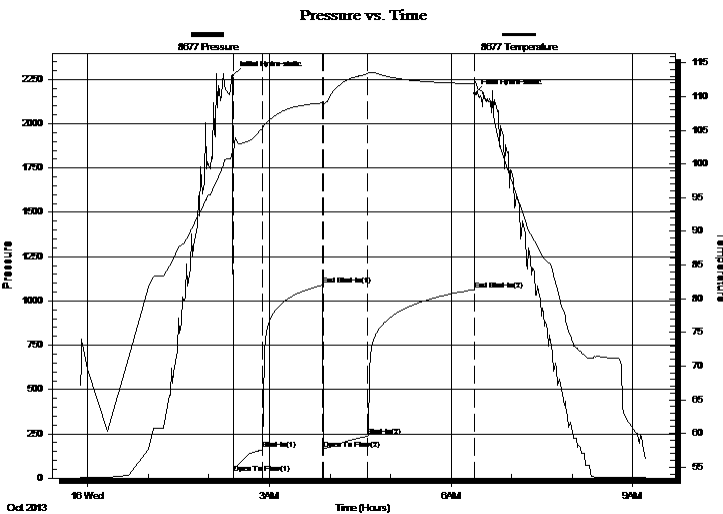
Capacity: 8000.00 psig

Last Calib.: 2013.10.16

Time On Btm: 2013.10.16 @ 02:24:00

Time Off Btm: 2013.10.16 @ 06:23:30

TEST COMMENT: IF: BOB @ 18 min.
IS: No return.
FF: BOB @ 25 min.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2268.87	102.11	Initial Hydro-static
1	29.12	101.36	Open To Flow (1)
30	160.85	105.37	Shut-In(1)
89	1089.45	109.04	End Shut-In(1)
90	164.14	108.62	Open To Flow (2)
134	237.90	113.42	Shut-In(2)
239	1059.99	111.88	End Shut-In(2)
240	2169.79	112.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
450.00	mcw 20m 80w (oil spots)	4.05

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Raymond Oil Company Inc.

13 20s 36w Wichita, KS

PO Box 48788
Wichita KS 67202

Keeton-Holstein #1

Job Ticket: 55519

DST#: 2

ATTN: Max Lovely

Test Start: 2013.10.15 @ 23:53:00

Tool Information

Drill Pipe:	Length: 4291.00 ft	Diameter: 3.80 inches	Volume: 60.19 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: 248.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 61.41 bbl</u>	Tool Chased 3.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	4546.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	34.00 ft			
Tool Length:	61.00 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			4520.00	
Shut In Tool	5.00			4525.00	
Hydraulic tool	5.00			4530.00	
Jars	5.00			4535.00	
Safety Joint	2.00			4537.00	
Packer	5.00			4542.00	27.00 Bottom Of Top Packer
Packer	4.00			4546.00	
Stubb	1.00			4547.00	
Recorder	0.00	8677	Inside	4547.00	
Recorder	0.00	8522	Outside	4547.00	
Perforations	30.00			4577.00	
Bullnose	3.00			4580.00	34.00 Bottom Packers & Anchor

Total Tool Length: 61.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Raymond Oil Company Inc.

13 20s 36w Wichita, KS

PO Box 48788
Wichita KS 67202

Keeton-Holstein #1

Job Ticket: 55519

DST#: 2

ATTN: Max Lovely

Test Start: 2013.10.15 @ 23:53:00

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:

92000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
450.00	mcw 20m 80w (oil spots)	4.053

Total Length: 450.00 ft Total Volume: 4.053 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

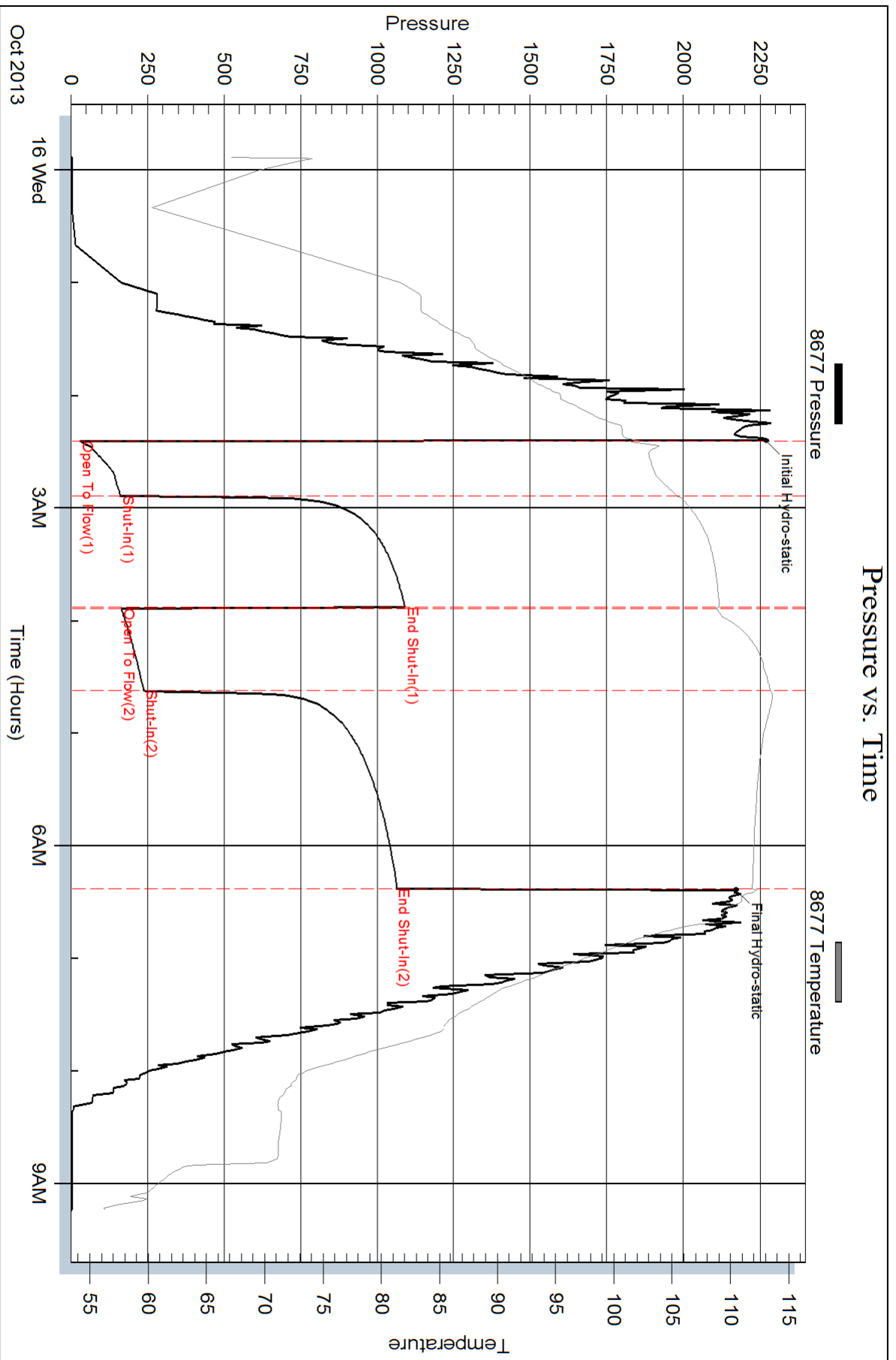
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .125 @ 45F = 92,000ppm

Pressure vs. Time

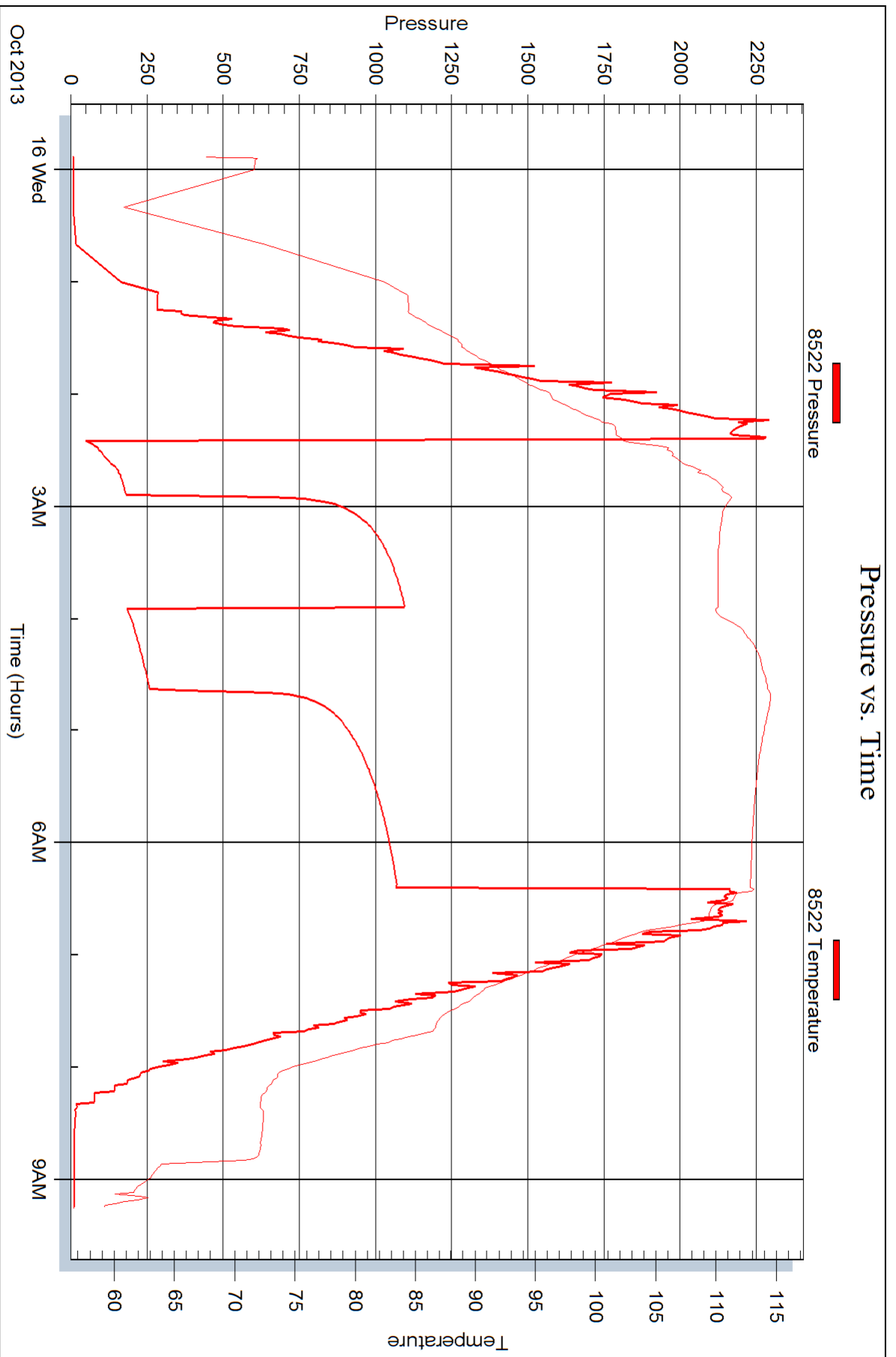


Serial #: 8522

Outside Raymond Oil Company Inc.

Keeton-Holstein #1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 55519

Printed: 2013.10.18 @ 12:49:43



DRILL STEM TEST REPORT

Prepared For: **Raymond Oil Company Inc.**

PO Box 48788
Wichita KS 67202

ATTN: Max Lovely

Keeton-Holstein #1

13 20s 36w Wichita, KS

Start Date: 2013.10.16 @ 17:19:00

End Date: 2013.10.17 @ 00:25:45

Job Ticket #: 55520 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.10.18 @ 12:48:00

Raymond Oil Company Inc.

13 20s 36w Wichita, KS

Keeton-Holstein #1

DST # 3

Myric Station

2013.10.16



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Raymond Oil Company Inc.

13 20s 36w Wichita, KS

PO Box 48788
Wichita KS 67202

Keeton-Holstein #1

Job Ticket: 55520

DST#: 3

ATTN: Max Lovely

Test Start: 2013.10.16 @ 17:19:00

GENERAL INFORMATION:

Formation: **Myric Station**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:08:30

Time Test Ended: 00:25:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 69

Interval: 4582.00 ft (KB) To 4592.00 ft (KB) (TVD)

Reference Elevations: 3171.00 ft (KB)

Total Depth: 4592.00 ft (KB) (TVD)

3161.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8677 Inside

Press @ Run Depth: 20.12 psig @ 4583.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.10.16

End Date:

2013.10.17

Last Calib.:

2013.10.17

Start Time:

17:19:05

End Time:

00:25:44

Time On Btm:

2013.10.16 @ 20:08:15

Time Off Btm:

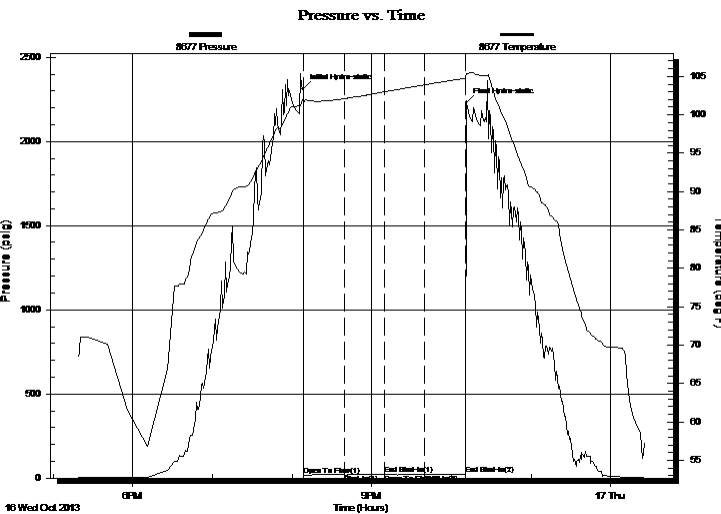
2013.10.16 @ 22:11:15

TEST COMMENT: IF: Surface blow, died @ 15 min.

IS: No return.

FF: No blow, Flushed tool.

FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2312.81	102.11	Initial Hydro-static
1	17.54	101.41	Open To Flow (1)
31	19.94	102.11	Shut-In(1)
61	23.15	102.99	End Shut-In(1)
62	20.69	102.99	Open To Flow (2)
91	20.12	103.90	Shut-In(2)
122	23.20	104.76	End Shut-In(2)
123	2231.38	105.32	Final Hydro-static

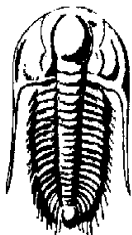
Recovery

Length (ft)	Description	Volume (bbl)
0.50	mud 100m	0.00

Gas Rates

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

* Recovery from multiple tests



**TRIOLOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Raymond Oil Company Inc.

PO Box 48788
Wichita KS 67202

ATTN: Max Lovely

13 20s 36w Wichita, KS

Keeton-Holstein #1

Job Ticket: 55520 **DST#: 3**

Test Start: 2013.10.16 @ 17:19:00

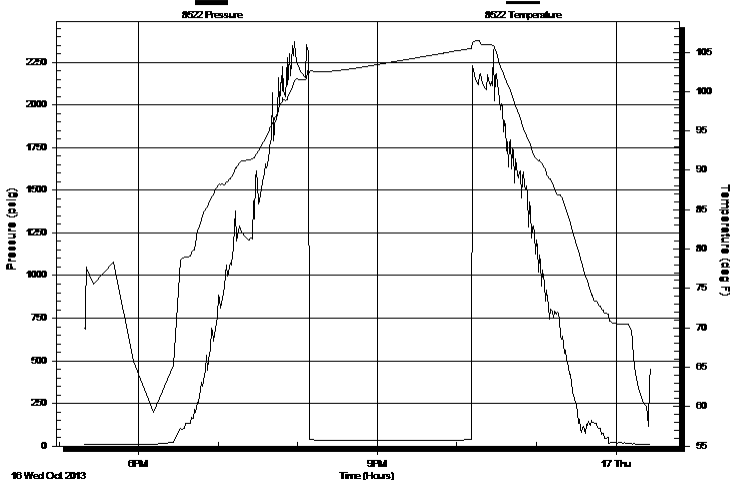
GENERAL INFORMATION:

Formation: Myric Station	
Deviated: No Whipstock:	ft (KB)
Time Tool Opened: 20:08:30	Test Type: Conventional Bottom Hole (Reset)
Time Test Ended: 00:25:45	Tester: Bradley Walter
	Unit No: 69
Interval: 4582.00 ft (KB) To 4592.00 ft (KB) (TVD)	Reference Elevations: 3171.00 ft (KB)
Total Depth: 4592.00 ft (KB) (TVD)	3161.00 ft (CF)
Hole Diameter: 7.88 inches	Hole Condition: Good
	KB to GR/CF: 10.00 ft

Serial #: 8522 Outside	
Press @RunDepth: psig @ 4583.00 ft (KB)	Capacity: 8000.00 psig
Start Date: 2013.10.16 End Date: 2013.10.17	Last Calib.: 2013.10.17
Start Time: 17:19:05 End Time: 00:26:44	Time On Btm:
	Time Off Btm:

TEST COMMENT: IF: Surface blow , died @ 15 min.
 IS: No return.
 FF: No blow , Flushed tool.
 FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.50	mud 100m	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Raymond Oil Company Inc.

13 20s 36w Wichita, KS

PO Box 48788
Wichita KS 67202

Keeton-Holstein #1

Job Ticket: 55520

DST#: 3

ATTN: Max Lovely

Test Start: 2013.10.16 @ 17:19:00

Tool Information

Drill Pipe:	Length: 4320.00 ft	Diameter: 3.80 inches	Volume: 60.60 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: 248.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 61.82 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	4582.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	37.00 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			4556.00	
Shut In Tool	5.00			4561.00	
Hydraulic tool	5.00			4566.00	
Jars	5.00			4571.00	
Safety Joint	2.00			4573.00	
Packer	5.00			4578.00	27.00 Bottom Of Top Packer
Packer	4.00			4582.00	
Stubb	1.00			4583.00	
Recorder	0.00	8677	Inside	4583.00	
Recorder	0.00	8522	Outside	4583.00	
Perforations	6.00			4589.00	
Bullnose	3.00			4592.00	10.00 Bottom Packers & Anchor

Total Tool Length: 37.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Raymond Oil Company Inc.

13 20s 36w Wichita, KS

PO Box 48788
Wichita KS 67202

Keeton-Holstein #1

Job Ticket: 55520

DST#: 3

ATTN: Max Lovely

Test Start: 2013.10.16 @ 17:19:00

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: 65.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.50	mud 100m	0.002

Total Length: 0.50 ft Total Volume: 0.002 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

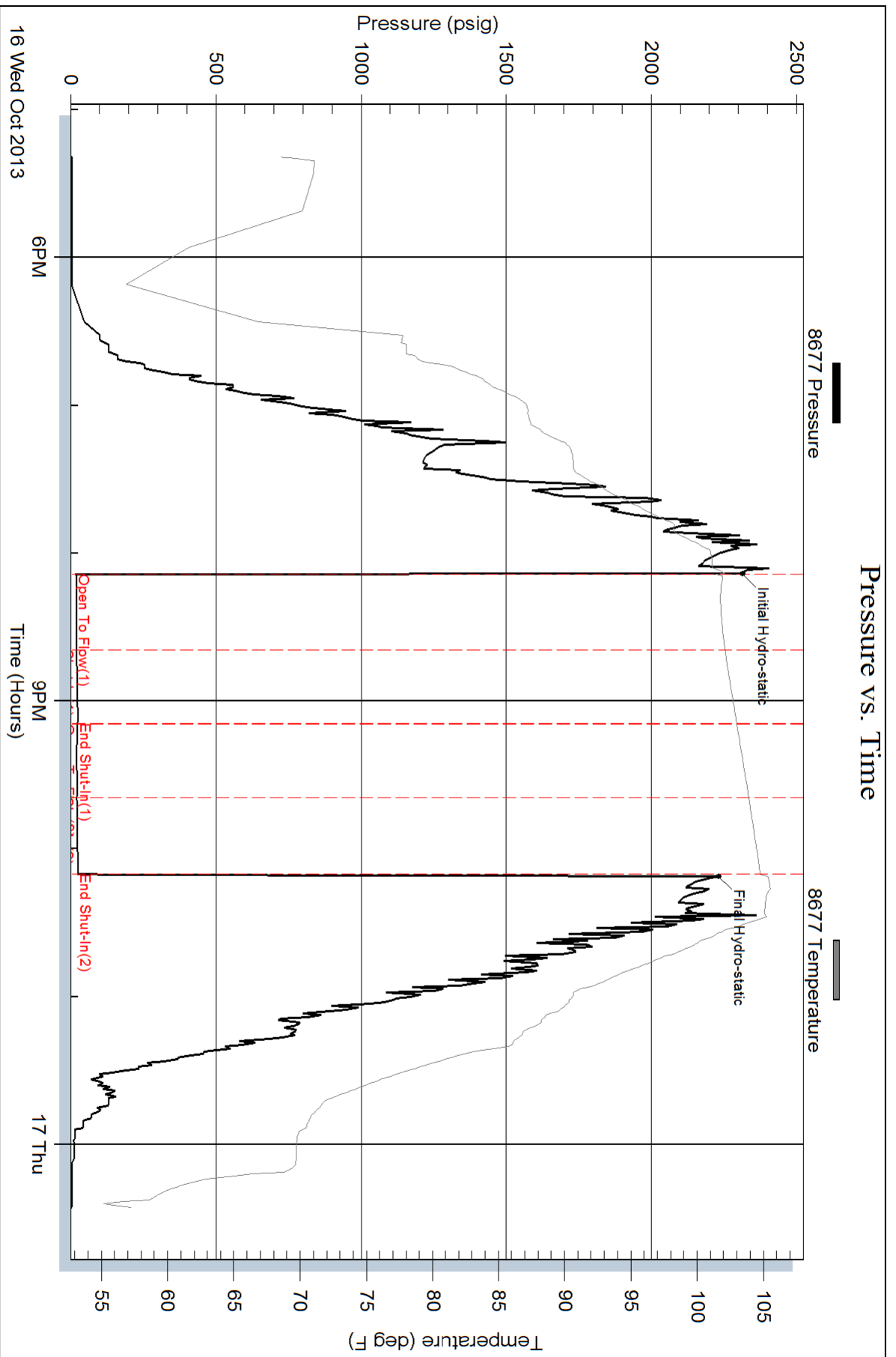
Serial #: 8677

Inside

Raymond Oil Company Inc.

Keeton-Holstein #1

DST Test Number: 3

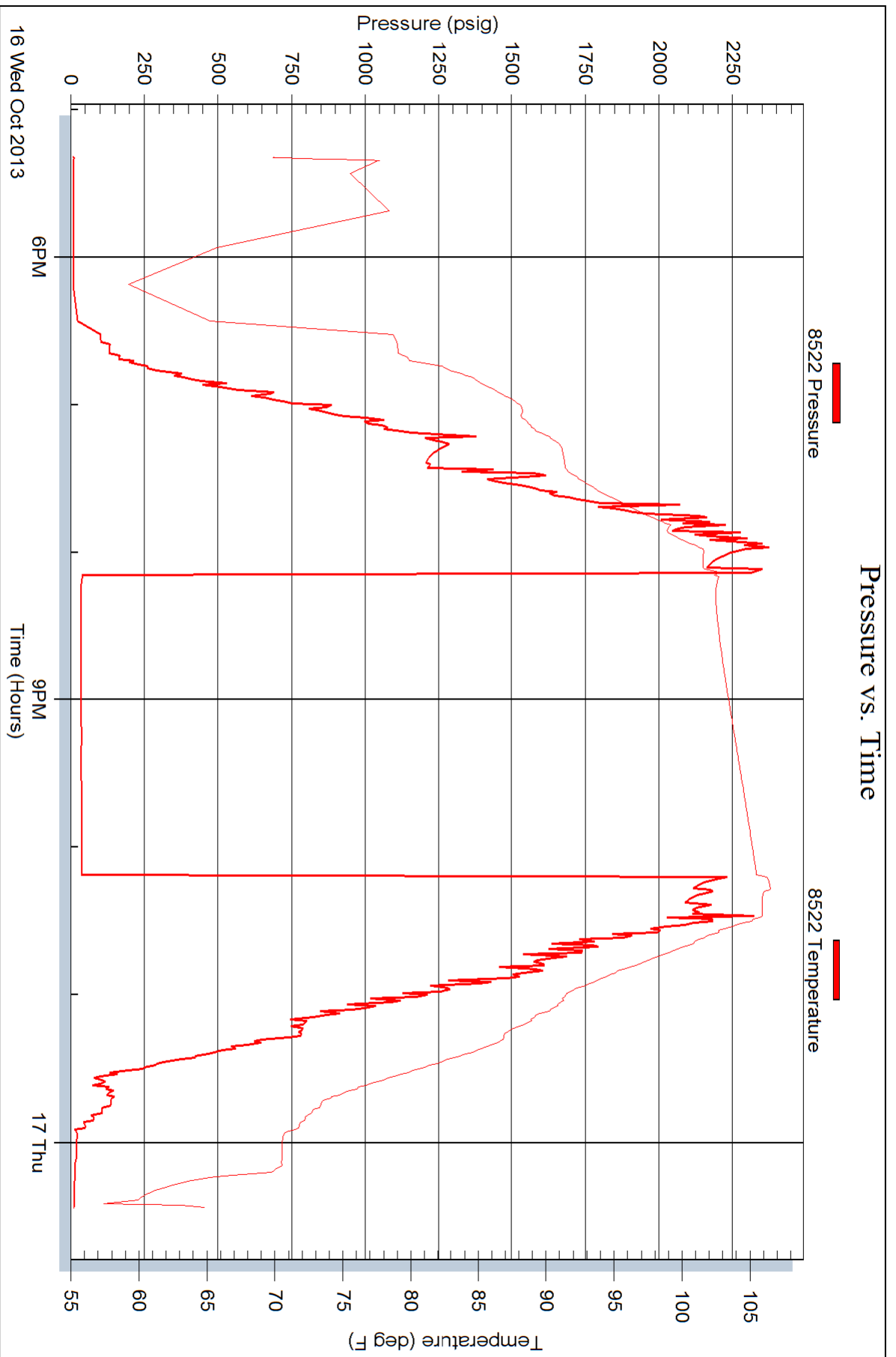


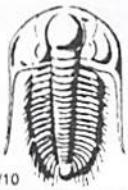
Serial #: 8522

Outside Raymond Oil Company Inc.

Keeton-Holstein #1

DST Test Number: 3





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 55518

Well Name & No. Keeton Holstein #1 Test No. 1 Date 10/15/13
 Company Raymond Oil Co, Inc Elevation 3171 KB 3161 GL
 Address P.O. Box 45740 Wichita, ks 67201
 Co. Rep / Geo. Max Lovely Rig H12 #4
 Location: Sec. 13 Twp. 20s Rge. 36w Co. Wichita State Ks

Interval Tested 4466 4548 Zone Tested Marmaton
 Anchor Length 82 Drill Pipe Run 4198 Mud Wt. 9.1
 Top Packer Depth 4461 Drill Collars Run 248 Vis 65
 Bottom Packer Depth 4466 Wt. Pipe Run 0 WL 6.0
 Total Depth 4548 Chlorides 5500 ppm System LCM 2#

Blow Description IF: 7" blow.
ISI: No return.
FF: 7" blow
FSI: No return.

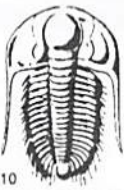
Rec	Feet of	%gas	%oil	%water	%mud
<u>310</u>	<u>MCW</u>		<u>60</u>	<u>40</u>	
	<u>oil specs in tool</u>				

Rec Total 310 BHT 109 Gravity - API RW .395 @ 53 °F Chlorides 23,000 ppm

(A) Initial Hydrostatic <u>2202</u>	<input checked="" type="checkbox"/> Test <u>2202</u> 1250	T-On Location <u>0500</u>
(B) First Initial Flow <u>35</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>0623</u>
(C) First Final Flow <u>123</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>0935</u>
(D) Initial Shut-In <u>1131</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>1320</u>
(E) Second Initial Flow <u>124</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>1552</u>
(F) Second Final Flow <u>168</u>	<input checked="" type="checkbox"/> Mileage <u>97.65</u>	Comments
(G) Final Shut-In <u>1068</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2168</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Flow <u>45</u>	<input type="checkbox"/> Day Standby	Total <u>1822.65</u>
Final Shut-In <u>90</u>	<input checked="" type="checkbox"/> Accessibility <u>150</u>	MP/DST Disc't
	Sub Total <u>1822.65</u>	

Approved By [Signature] Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged or 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

Test Ticket

NO. **55519**

4/10

Well Name & No. Keeten - Holstern #1 Test No. 2 Date 10/16/13
 Company Raymond Oil Co, Inc Elevation 3171 KB 3161 GL
 Address P.O. Box 48788 Wichita, KS 67201
 Co. Rep / Geo. Max Lovely Rig 112 #4
 Location: Sec. 13 Twp. 20s Rge. 36 W Co. Wichita State Ks

Interval Tested 4546 4580 Zone Tested Pawnee
 Anchor Length 34 Drill Pipe Run 4291 Mud Wt. 9.1
 Top Packer Depth 4541 Drill Collars Run 248 Vis 52
 Bottom Packer Depth 4546 Wt. Pipe Run 0 WL 6.0
 Total Depth 4580 Chlorides 5500 ppm System LCM 2#

Blow Description JT: BOD @ 18 min
IST: No return
FF: BOB @ 25 min
FSI: No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>450</u>	<u>mcw</u>		<u>80</u>	<u>20</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

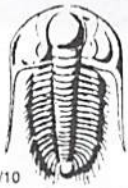
Rec Total 450 BHT 112 Gravity — API RW 125 @ 45 °F Chlorides 92,000 ppm

(A) Initial Hydrostatic 2269 Test 1250 T-On Location 2300
 (B) First Initial Flow 29 Jars 250 T-Started 2552
 (C) First Final Flow 161 Safety Joint 75 T-Open 0224
 (D) Initial Shut-In 1089 Circ Sub 14 T-Pulled 0609
 (E) Second Initial Flow 164 Hourly Standby T-Out 0915
 (F) Second Final Flow 238 Mileage 97.65
 (G) Final Shut-In 1060 Sampler
 (H) Final Hydrostatic 2170 Straddle
 Shale Packer
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility 150
 Ruined Shale Packer
 Ruined Packer
 Extra Copies

Initial Open 30
 Initial Shut-In 60
 Final Flow 45
 Final Shut-In 90
 Sub Total 0
 Total 1822.65
 Sub Total 1822.65
 MP/DST Disc't [Signature]

Approved By _____ Our Representative _____

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **55520**

Well Name & No. Keeton Holstern #1 Test No. 3 Date 10/16/13
 Company Raymond Oil Co, Inc Elevation 5171 KB 3161 GL
 Address P.O. Box 48788 Wichita, KS 67201
 Co. Rep / Geo. Max Lovely Rig H7 #4
 Location: Sec. 13 Twp. 20s Rge. 36W Co. Wichita State Ks

Interval Tested 4582-4592 Zone Tested Myric Station
 Anchor Length 10 Drill Pipe Run 4320 Mud Wt. 9.4
 Top Packer Depth 4577 Drill Collars Run 248 Vis 65
 Bottom Packer Depth 4582 Wt. Pipe Run Ø WL 8.0
 Total Depth 4592 Chlorides 6500 ppm System LCM 2#

Blow Description IF: Surface blow, dried @ 15 min.
ISI: No return.
FF: No blow, flushed tool
FST: No return.

Rec	Feet of	%gas	%oil	%water	%mud
6"	Feet of Mud			100	

Rec Total 0.5 BHT 105 Gravity — API RW — @ —° F Chlorides — ppm

(A) Initial Hydrostatic <u>2313</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>1630</u>
(B) First Initial Flow <u>18</u>	<input type="checkbox"/> Jars	T-Started <u>1719</u>
(C) First Final Flow <u>20</u>	<input type="checkbox"/> Safety Joint	T-Open <u>2009</u>
(D) Initial Shut-In <u>23</u>	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>2209</u>
(E) Second Initial Flow <u>21</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>0027 10/17</u>
(F) Second Final Flow <u>20</u>	<input checked="" type="checkbox"/> Mileage <u>63 RT</u> 195.30	Comments <u>Picked up tool 10:00 am</u>
(G) Final Shut-In <u>23</u>	<input type="checkbox"/> Sampler	<u>10/18</u>
(H) Final Hydrostatic <u>2231</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>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>800</u>
Final Shut-In <u>30</u>	<input checked="" type="checkbox"/> Day Standby <u>1d 9.75h</u>	Total <u>2645.30</u>
	<input checked="" type="checkbox"/> Accessibility <u>150</u>	MP/DST Disc't
	Sub Total <u>1845.30</u>	

Approved By _____ Our Representative [Signature] #69

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