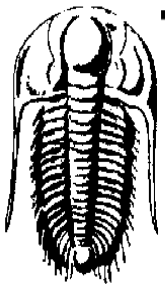


TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Raymond Oil Comp Inc**

PO Box 48788
Wichita, KS 67201

ATTN: Max Lovely

Helen Wells #2

18-20s-35w Wichita,KS

Start Date: 2013.10.04 @ 19:55:43
End Date: 2013.10.05 @ 06:00:58
Job Ticket #: 54639 DST #: 1

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

Printed: 2013.10.08 @ 13:19:15

DRILL STEM TEST REPORT

Raymond Oil Comp Inc

PO Box 48788
Wichita, KS 67201

ATTN: Max Lovely

18-20s-35w Wichita,KS

Helen Wells #2

Job Ticket: 54639 **DST#: 1**

Test Start: 2013.10.04 @ 19:55:43

GENERAL INFORMATION:

Formation: **Marmaton**
Deviated: No Whipstock: 0.00 ft (KB)
Time Tool Opened: 22:33:43
Time Test Ended: 06:00:58

Test Type: Conventional Bottom Hole (Initial)
Tester: Shane McBride
Unit No: 55

Interval: 4472.00 ft (KB) To 4499.00 ft (KB) (TVD)
Total Depth: 4499.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

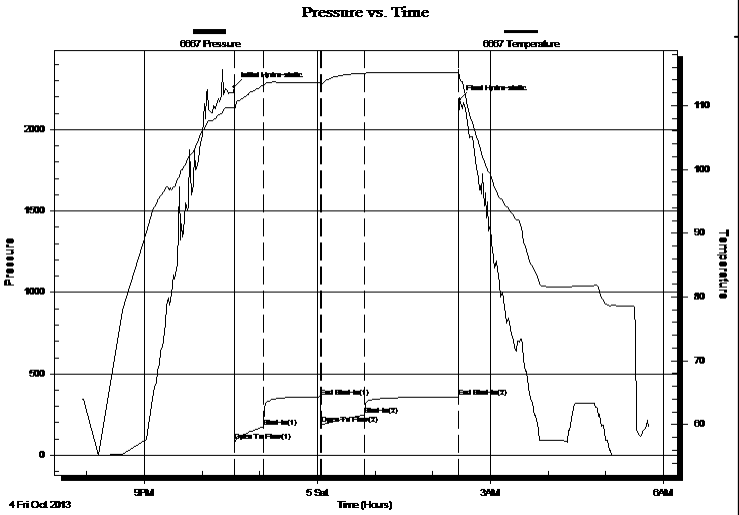
Reference Elevations: 3166.00 ft (KB)
3156.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6667 **Inside**

Press@RunDepth: 247.81 psig @ 4473.00 ft (KB)
Start Date: 2013.10.04 End Date: 2013.10.05
Start Time: 19:55:43 End Time: 05:44:58

Capacity: 8000.00 psig
Last Calib.: 2013.10.05
Time On Btm: 2013.10.04 @ 22:33:13
Time Off Btm: 2013.10.05 @ 02:27:58

TEST COMMENT: B.O.B. in 3 1/2 min.
B.O.B. return blow in 31 min.
B.O.B. @ open
Bled off through out shut in



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2263.52	109.69	Initial Hydro-static
1	83.71	109.26	Open To Flow (1)
31	173.83	113.08	Shut-In(1)
90	359.75	113.66	End Shut-In(1)
91	191.17	113.54	Open To Flow (2)
136	247.81	115.04	Shut-In(2)
234	358.74	115.11	End Shut-In(2)
235	2184.25	114.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	m c g o 20g 30m 50o under circ sub	0.59
378.00	c g o 20g 80o reversed out	4.14
60.00	c g o 15g 85o	0.84
0.00	720' gas in pipe	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Raymond Oil Comp Inc

PO Box 48788
Wichita, KS 67201

ATTN: Max Lovely

18-20s-35w Wichita,KS

Helen Wells #2

Job Ticket: 54639 **DST#: 1**

Test Start: 2013.10.04 @ 19:55:43

Tool Information

Drill Pipe:	Length:	4229.00 ft	Diameter:	3.80 inches	Volume:	59.32 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:	248.00 ft	Diameter:	2.25 inches	Volume:	1.22 bbl	Weight to Pull Loose:		70000.00 lb
					Total Volume:	60.54 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		33.00 ft					String Weight:	Initial	54000.00 lb
Depth to Top Packer:		4472.00 ft						Final	58000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		27.00 ft							
Tool Length:		55.00 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			4445.00		
Shut In Tool	5.00			4450.00		
Hydraulic tool	5.00			4455.00		
Jars	5.00			4460.00		
Safety Joint	3.00			4463.00		
Packer	5.00			4468.00	28.00	Bottom Of Top Packer
Packer	4.00			4472.00		
Stubb	1.00			4473.00		
Recorder	0.00	6667	Inside	4473.00		
Recorder	0.00	8368	Outside	4473.00		
Perforations	21.00			4494.00		
Bullnose	5.00			4499.00	27.00	Bottom Packers & Anchor
Total Tool Length:	**55.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Raymond Oil Comp Inc

PO Box 48788
Wichita, KS 67201

ATTN: Max Lovely

18-20s-35w Wichita,KS

Helen Wells #2

Job Ticket: 54639 **DST#: 1**

Test Start: 2013.10.04 @ 19:55:43

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:	0 ppm
Viscosity:	57.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.58 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5000.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

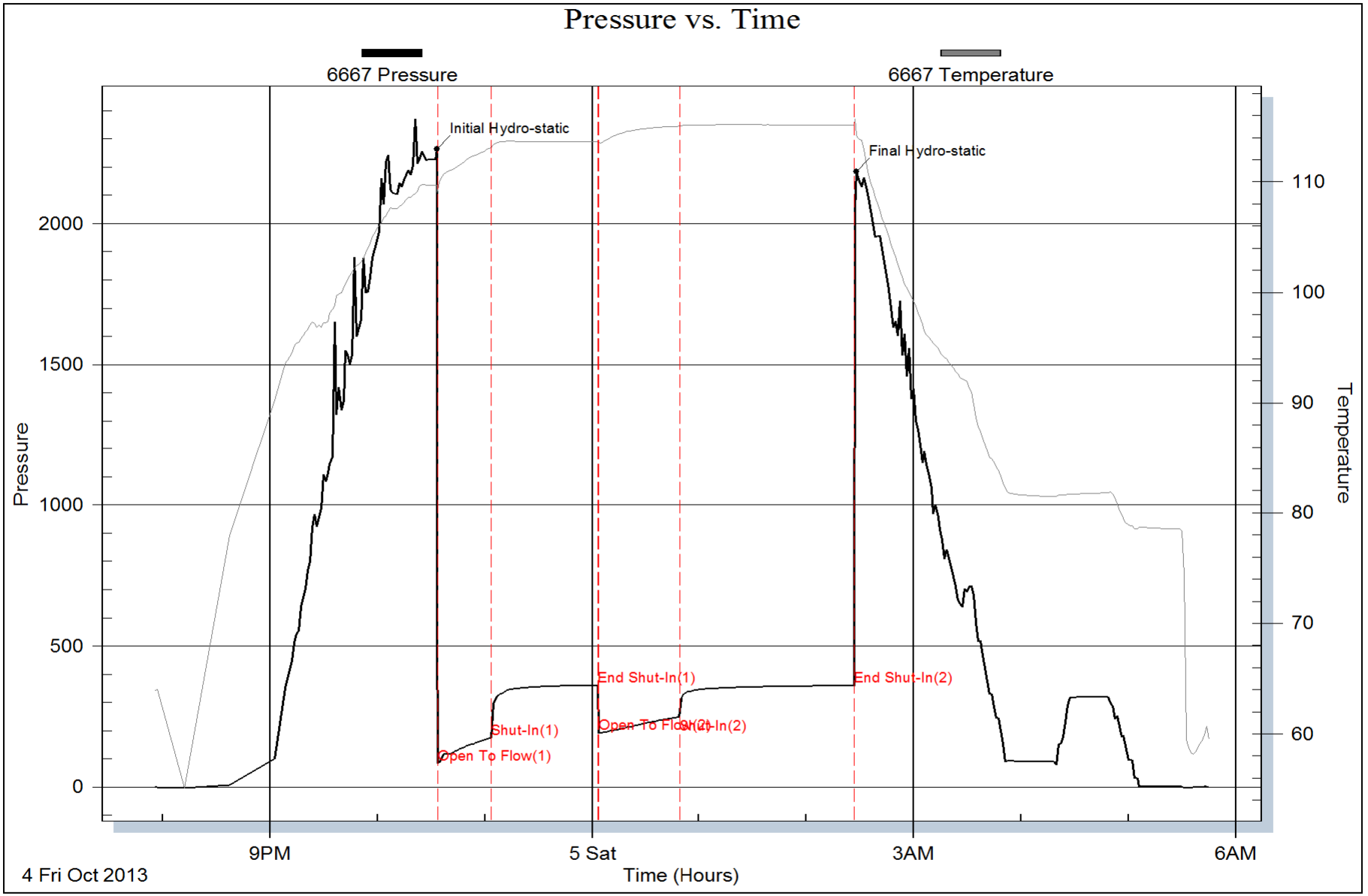
Recovery Table

Length ft	Description	Volume bbl
120.00	m c g o 20g 30m 50o under circ sub	0.590
378.00	c g o 20g 80o reversed out	4.136
60.00	c g o 15g 85o	0.842
0.00	720' gas in pipe	0.000

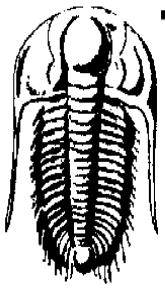
Total Length: 558.00 ft Total Volume: 5.568 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 6667 **Inside** Raymond Oil Comp Inc Helen Wells #2 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 54639 Printed: 2013.10.08 @ 13:19:17



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Raymond Oil Comp Inc**

PO Box 48788
Wichita, KS 67201

ATTN: Max Lovely

Helen Wells #2

18-20s-35w Wichita,KS

Start Date: 2013.10.05 @ 20:10:52
End Date: 2013.10.06 @ 05:15:07
Job Ticket #: 54640 DST #: 2

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

Printed: 2013.10.08 @ 13:17:57

DRILL STEM TEST REPORT

Raymond Oil Comp Inc

PO Box 48788
Wichita, KS 67201

ATTN: Max Lovely

18-20s-35w Wichita,KS

Helen Wells #2

Job Ticket: 54640 **DST#: 2**

Test Start: 2013.10.05 @ 20:10:52

GENERAL INFORMATION:

Formation: **Pawnee, Myrick Stati**
Deviated: No Whipstock: 0.00 ft (KB)
Time Tool Opened: 22:54:07
Time Test Ended: 05:15:07

Test Type: Conventional Bottom Hole (Reset)
Tester: Shane McBride
Unit No: 55

Interval: 4557.00 ft (KB) To 4608.00 ft (KB) (TVD)
Total Depth: 4608.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

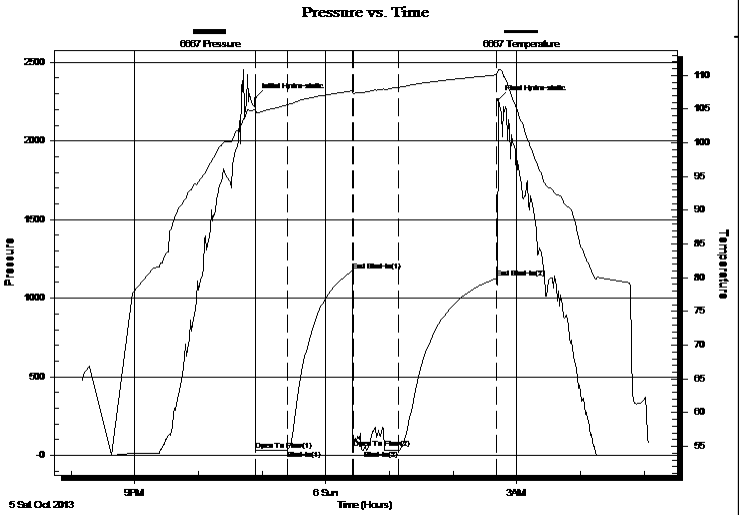
Reference Elevations: 3166.00 ft (KB)
3156.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6667 **Inside**

Press@RunDepth: 35.31 psig @ 4558.00 ft (KB)
Start Date: 2013.10.05 End Date: 2013.10.06
Start Time: 20:10:52 End Time: 05:05:07

Capacity: 8000.00 psig
Last Calib.: 2013.10.06
Time On Btm: 2013.10.05 @ 22:53:52
Time Off Btm: 2013.10.06 @ 02:42:37

TEST COMMENT: 1/4" blow died in 26 min.
No return
No blow
No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2275.18	105.08	Initial Hydro-static
1	30.16	104.24	Open To Flow (1)
31	32.53	105.64	Shut-In(1)
92	1173.98	107.70	End Shut-In(1)
92	48.38	107.37	Open To Flow (2)
135	35.31	108.22	Shut-In(2)
228	1126.34	110.07	End Shut-In(2)
229	2260.78	110.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	heavy mud 100%m	0.05

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Raymond Oil Comp Inc

PO Box 48788
Wichita, KS 67201

ATTN: Max Lovely

18-20s-35w Wichita,KS

Helen Wells #2

Job Ticket: 54640 **DST#: 2**

Test Start: 2013.10.05 @ 20:10:52

Tool Information

Drill Pipe:	Length:	4293.00 ft	Diameter:	3.80 inches	Volume:	60.22 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	248.00 ft	Diameter:	2.25 inches	Volume:	1.22 bbl	
					Total Volume:	61.44 bbl	

Drill Pipe Above KB:	12.00 ft
Depth to Top Packer:	4557.00 ft
Depth to Bottom Packer:	ft
Interval between Packers:	51.00 ft
Tool Length:	79.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:		1500.00 lb
Weight set on Packer:		25000.00 lb
Weight to Pull Loose:		75000.00 lb
Tool Chased		0.00 ft
String Weight:	Initial	56000.00 lb
	Final	56000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4530.00		
Shut In Tool	5.00			4535.00		
Hydraulic tool	5.00			4540.00		
Jars	5.00			4545.00		
Safety Joint	3.00			4548.00		
Packer	5.00			4553.00	28.00	Bottom Of Top Packer
Packer	4.00			4557.00		
Stubb	1.00			4558.00		
Recorder	0.00	6667	Inside	4558.00		
Recorder	0.00	8368	Outside	4558.00		
Perforations	11.00			4569.00		
Change Over Sub	1.00			4570.00		
Drill Pipe	32.00			4602.00		
Change Over Sub	1.00			4603.00		
Bullnose	5.00			4608.00	51.00	Bottom Packers & Anchor
Total Tool Length:	**79.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Raymond Oil Comp Inc

PO Box 48788
Wichita, KS 67201

ATTN: Max Lovely

18-20s-35w Wichita,KS

Helen Wells #2

Job Ticket: 54640 **DST#: 2**

Test Start: 2013.10.05 @ 20:10:52

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:	60.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.96 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5800.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

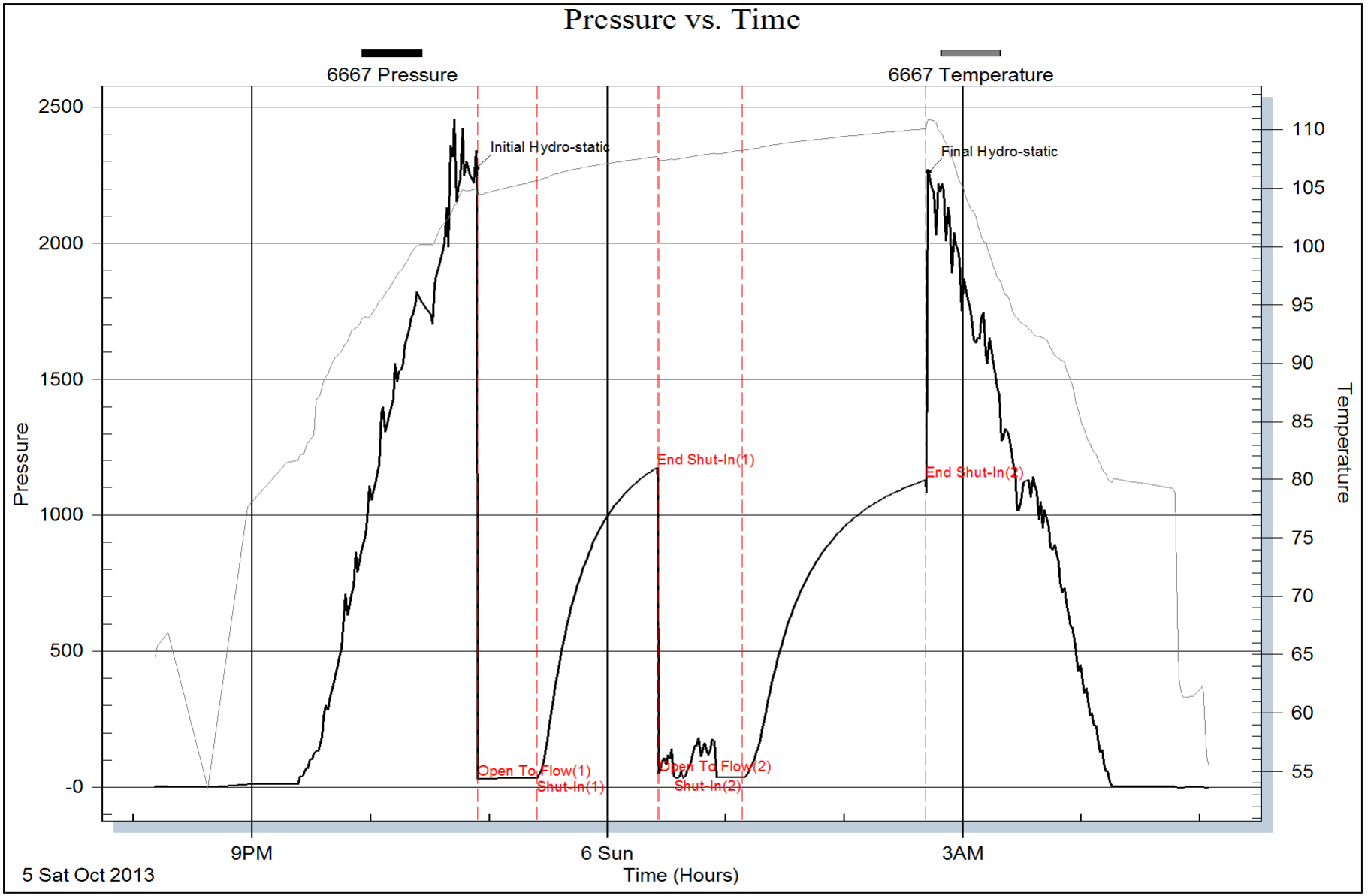
Recovery Table

Length ft	Description	Volume bbl
10.00	heavy mud 100%m	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 6667 **Inside** Raymond Oil Comp Inc Helen Wells #2 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 54640 Printed: 2013.10.08 @ 13:17:58

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 54639

Well Name & No. Helen Wells #2 Test No. #1 Date 10/5/13

Company Raymond Oil Comp Inc Elevation 3166 KB 3154 GL

Address P.O. Box 48788 Wichita, Ks 67201

Co. Rep / Geo. Mark Shelby Rig #2 #4

Location: Sec. 18 Twp. 20 Rge. 35 Co. Wichita State Ks

Interval Tested 4472 4499 Zone Tested Marmaton

Anchor Length 27 Drill Pipe Run 4229 Mud Wt. 9.5

Top Packer Depth 4467 Drill Collars Run 248 Vis 57

Bottom Packer Depth 4472 Wt. Pipe Run — WL 7.6

Total Depth 4499 Chlorides 5000 ppm System LCM #2

Blow Description B.O.B. in 3½ min.
B.O.B. return blow in 3 min
B.O.B. @ open
Bled off through out Shutin

Rec 60	Feet of CGO	15 %gas	85 %oil	%water	%mud	
Rec 378	Feet of CGO (Reversed)	20 %gas	80 %oil	%water	%mud	
Rec 120	Feet of MCGO (under Circ Sub)	20 %gas	50 %oil	%water	30 %mud	
Rec	Feet of	%gas	%oil	%water	%mud	
Rec	Feet of (720' GAS in Pipe)	%gas	%oil	%water	%mud	

Rec Total 558 BHT 115° Gravity 31 API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2263	☒ Test 1250	T-On Location 19:10	
(B) First Initial Flow 83	☒ Jars 250	T-Started 19:55	
(C) First Final Flow 173	☒ Safety Joint 75	T-Open 22:36	
(D) Initial Shut-In 359	☒ Circ Sub 50.00	T-Pulled 02:21	
(E) Second Initial Flow 191	☐ Hourly Standby .75h 75	T-Out 06:00	
(F) Second Final Flow 247	☒ Mileage 60 RT 93	Comments	
(G) Final Shut-In 358	☐ Sampler		
(H) Final Hydrostatic 2184	☐ Straddle	☒ Ruined Shale Packer 350	
	☒ Shale Packer 250	☐ Ruined Packer	
Initial Open 30	☐ Extra Packer	☐ Extra Copies	
Initial Shut-In 60	☐ Extra Recorder	Sub Total 0	
Final Flow 45	☐ Day Standby	Total 2543	
Final Shut-In 90	☒ Accessibility 150.00	MP/DST Disc't	
	Sub Total 2193		

Approved By M Long Our Representative

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

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 54640

Well Name & No. Helen Wells #2 Test No. #2 Date 10/6/13

Company Raymond Oil Comp Inc. Elevation 3166 KB 3156 GL

Address P.O. Box 48788 Wichita KS 67201

Co. Rep / Geo. Mark Lowrey Rig #2#4

Location: Sec. 18 Twp. 20 Rge. 35 Co. Wichita State KS

Interval Tested 4557 4608 Zone Tested Lansing Myrick Station

Anchor Length 51 Drill Pipe Run 4293 Mud Wt. 9.3

Top Packer Depth 4552 Drill Collars Run 248' Vis 60

Bottom Packer Depth 4557 Wt. Pipe Run — WL 8.0

Total Depth 4608 Chlorides 5800 ppm System LCM #2

Blow Description 1/4" iw blow died in 2 min
No return
No blow
No return

Rec 10'	Feet of Mud (Heavy)	%gas	%oil	%water 100	%mud
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 10' BHT 110° Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic	2275	☑ Test 1250	T-On Location 19:25
(B) First Initial Flow	30	☑ Jars 250	T-Started 20:16
(C) First Final Flow	32	☑ Safety Joint 75	T-Open 22:53
(D) Initial Shut-In	1173	☑ Circ Sub N/C	T-Pulled 02:38
(E) Second Initial Flow	48	☐ Hourly Standby	T-Out 05:15
(F) Second Final Flow	35	☑ Mileage 60 RT	Comments
(G) Final Shut-In	1126	☐ Sampler	loaded tools 10/7 11:00
(H) Final Hydrostatic	2260	☐ Straddle	☐ Ruined Shale Packer
		☐ Shale Packer	☐ Ruined Packer
Initial Open 30		☐ Extra Packer	☐ Extra Copies
Initial Shut-In 60		☐ Extra Recorder	Sub Total 800
Final Flow 45		☐ Day Standby 1d 5.75h	Total 2618
Final Shut-In 90		☑ Accessibility 150.00	MP/DST Disc't
		Sub Total 1818	

Approved By — Our Representative —

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