



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Herman L. Loeb, LLC.
P.o Box 838
Lawrenceville, IL 62439-0838
ATTN: Jon Christensen

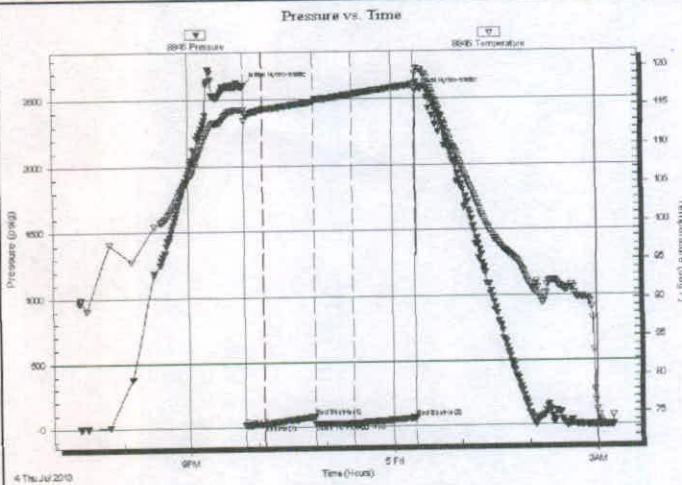
28-34s-26w Meade Co.
Henry Taylor #3-28
Job Ticket: 53313 **DST#: 1**
Test Start: 2013.07.04 @ 19:22:00

GENERAL INFORMATION:

Formation: **Marmaton & Novinger**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:48:45
 Time Test Ended: 03:15:00
 Interval: **5481.00 ft (KB) To 5535.00 ft (KB) (TVD)**
 Total Depth: 5535.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Sam Esparza
 Unit No: 64
 Reference Elevations: 2368.00 ft (KB)
 2357.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8845 **Outside**
 Press@RunDepth: 26.11 psig @ 5482.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.07.04 End Date: 2013.07.05 Last Calib.: 2013.07.05
 Start Time: 19:22:00 End Time: 03:15:00 Time On Btm: 2013.07.04 @ 21:48:30
 Time Off Btm: 2013.07.05 @ 00:20:45

TEST COMMENT: IF: Weak Surface Blow.
 IS: No Return.
 FF: No Blow.
 FS: No Return.



PRESSURE SUMMARY

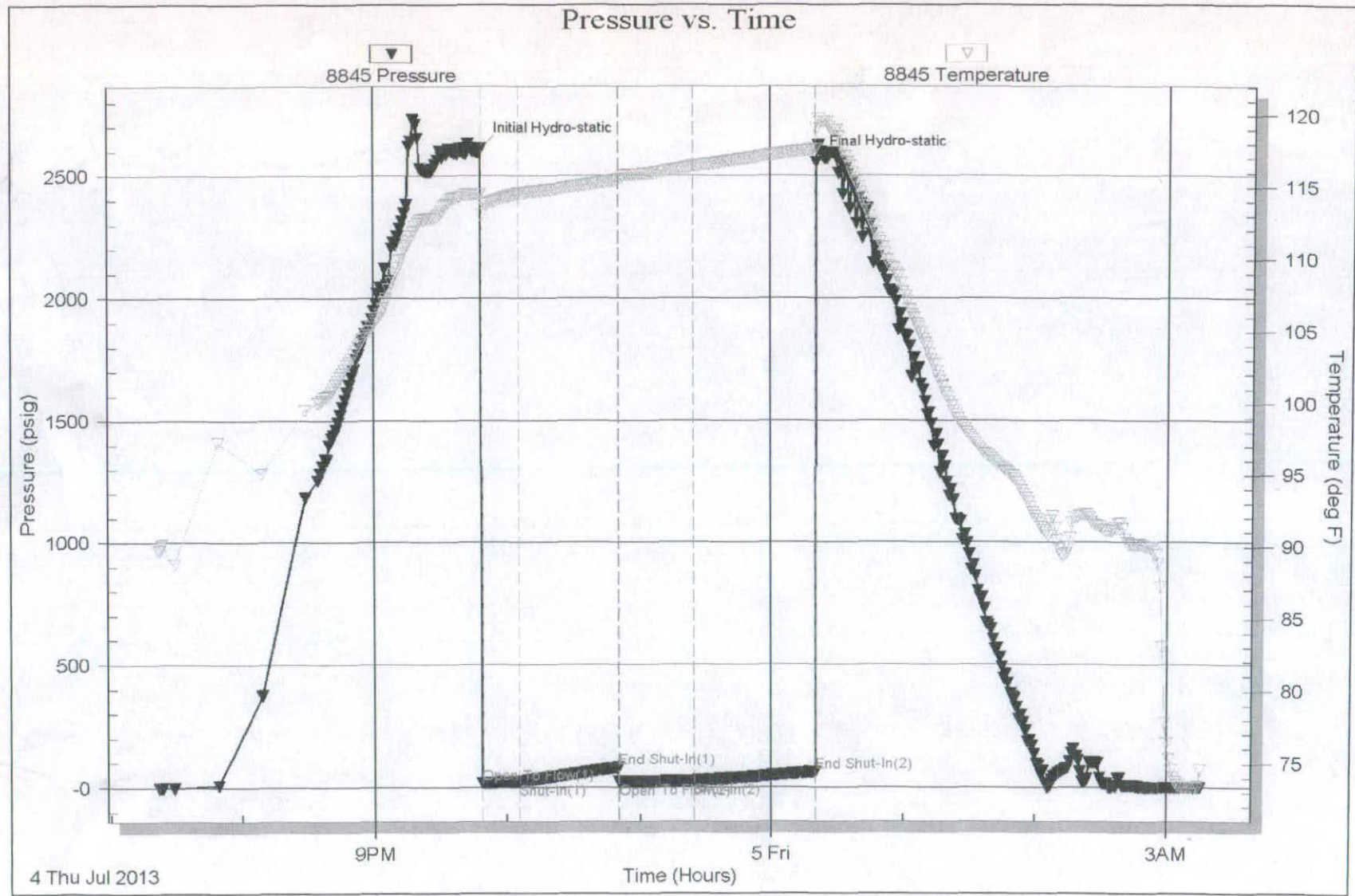
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2611.08	114.55	Initial Hydro-static
1	17.08	113.05	Open To Flow (1)
18	22.32	114.57	Shut-In(1)
62	80.19	115.50	End Shut-In(1)
63	21.98	115.49	Open To Flow (2)
97	26.11	116.43	Shut-In(2)
152	62.80	117.65	End Shut-In(2)
153	2554.89	119.04	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100m	0.02

Gas Rates

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





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 53313

Well Name & No. Henry Taylor #3-28 Test No. 1 Date 7/4/13
 Company Herman L. Loeb, LLC. Elevation 2368 KB 2357 GL
 Address Po Box 838 Lawrenceville, IL 62439-0838
 Co. Rep / Geo. Jon Christensen Rig Sterling #2
 Location: Sec. 28 Twp. 34S Rge. 26W Co. Meade State KS

Interval Tested 5481 - 5535 Zone Tested Marathon & Navigator
 Anchor Length 54' Drill Pipe Run 5255 Mud Wt. 9.2
 Top Packer Depth 5477 Drill Collars Run 218 Vis 51
 Bottom Packer Depth 5481 Wt. Pipe Run 0 WL 8.8
 Total Depth 5535 Chlorides 4600 ppm System LCM 2

Blow Description IF: Weak Surface Blow
ISI: No Return
FF: No Blow
FSI: No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 118 Gravity — API RW — @ — ° F Chlorides — ppm

(A) Initial Hydrostatic <u>2611</u>	<input checked="" type="checkbox"/> Test	T-On Location <u>17:10</u>
(B) First Initial Flow <u>17</u>	<input checked="" type="checkbox"/> Jars	T-Started <u>19:22</u>
(C) First Final Flow <u>22</u>	<input checked="" type="checkbox"/> Safety Joint	T-Open <u>21:49</u>
(D) Initial Shut-In <u>80</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>00:20</u>
(E) Second Initial Flow <u>22</u>	<input checked="" type="checkbox"/> Hourly Standby	T-Out <u>3:15</u>
(F) Second Final Flow <u>20</u>	<input checked="" type="checkbox"/> Mileage <u>294 R/T</u>	Comments <u>Projected time out 17:30. Actual time out 19:30. Loaded Tools</u>
(G) Final Shut-In <u>63</u>	<input type="checkbox"/> Sampler	<input type="checkbox"/> Ruined Shale Packer
(H) Final Hydrostatic <u>2555</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Packer

Initial Open 15 Extra Packer Extra Copies
 Initial Shut-In 45 Extra Recorder Sub Total
 Final Flow 30 Day Standby Total
 Final Shut-In 60 Accessibility MP/DST Disc't
 Sub Total

Approved By [Signature] 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.



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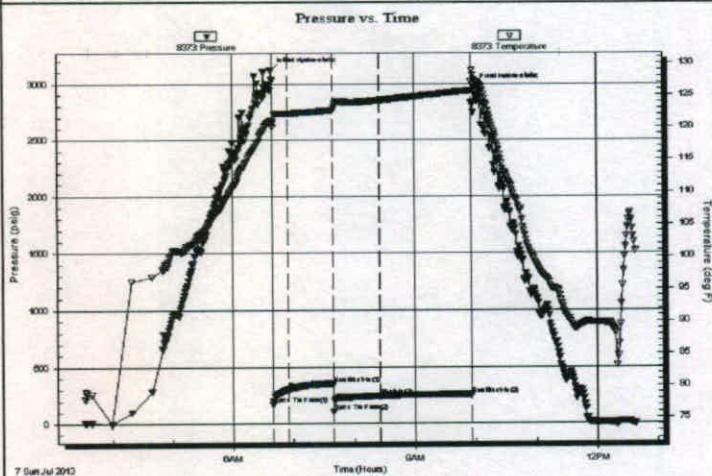
28-34s-26w Meade Co.
Henry Taylor #3-28
Job Ticket: 53176 **DST#: 2**
Test Start: 2013.07.07 @ 03:32:28

GENERAL INFORMATION:

Formation: **Morrow Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:39:43
Time Test Ended: 12:38:43
Test Type: Conventional Bottom Hole (Reset)
Tester: Brandon Turley
Unit No: 60
Interval: **5971.00 ft (KB) To 6038.00 ft (KB) (TVD)**
Total Depth: 6038.00 ft (KB) (TVD)
Reference Elevations: 2368.00 ft (KB)
2357.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good
KB to GR/CF: 11.00 ft

Serial #: 8373 Inside
Press@RunDepth: 244.89 psig @ 5972.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.07.07 End Date: 2013.07.07 Last Calib.: 2013.07.07
Start Time: 03:32:28 End Time: 12:38:43 Time On Btm: 2013.07.07 @ 06:37:58
Time Off Btm: 2013.07.07 @ 09:58:43

TEST COMMENT: IF: 1/4 blow died in surface.
IS: No return.
FF: BOB in 2 min blow died in 22 min.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	3119.83	121.03	Initial Hydro-static
2	173.59	120.01	Open To Flow (1)
17	305.59	122.19	Shut-In(1)
61	353.65	122.68	End Shut-In(1)
62	104.31	122.62	Open To Flow (2)
107	244.89	124.21	Shut-In(2)
198	257.34	125.73	End Shut-In(2)
201	2972.46	127.43	Final Hydro-static

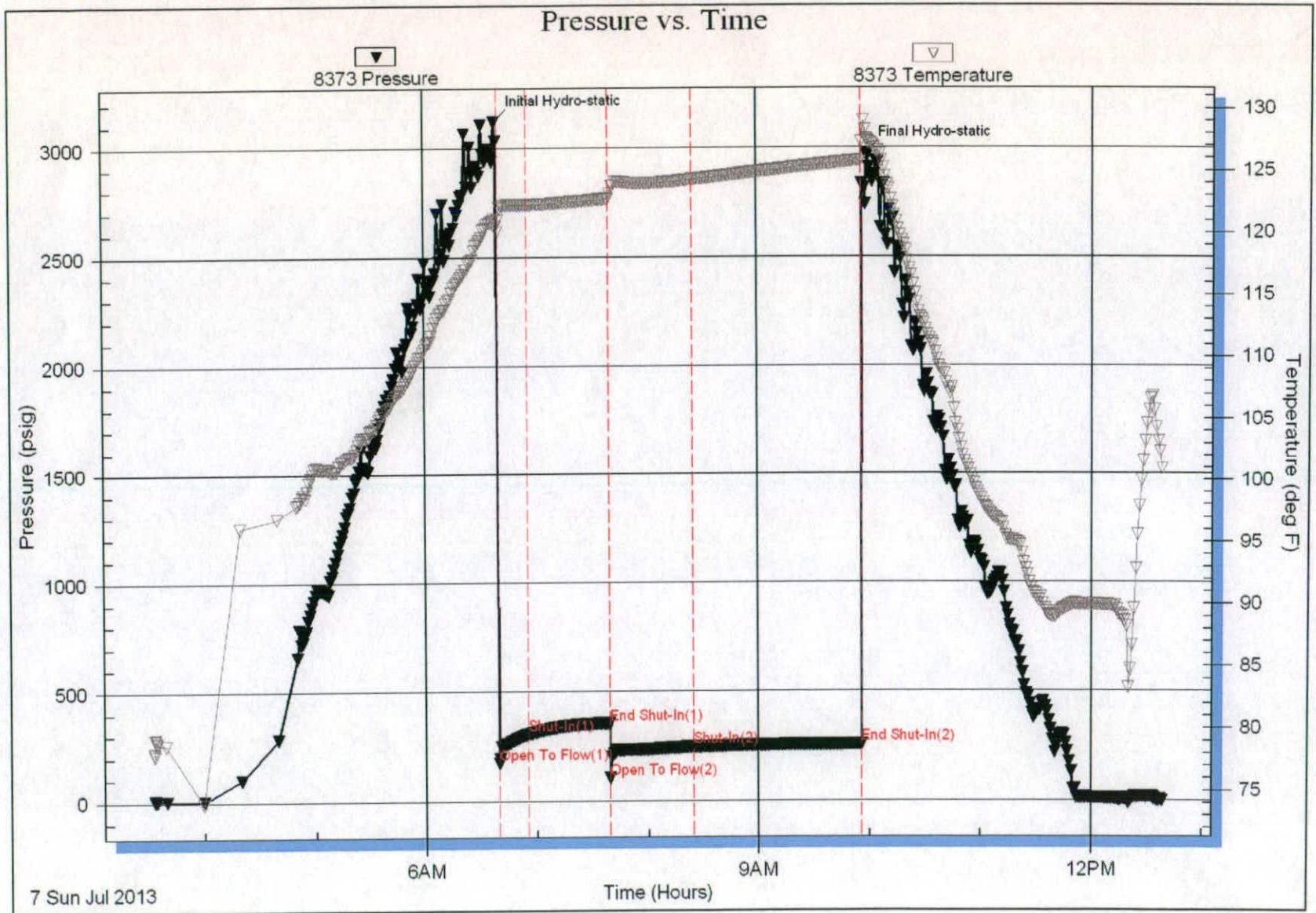
Recovery

Length (ft)	Description	Volume (bbl)
30.00	mud 100%m	0.15
0.00	310 GIP	0.00

* Recovery from multiple tests

Gas Rates

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





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 53176

Well Name & No. Henry Taylor 3-28 Test No. 2 Date 7-7-13
 Company Hermann L. Loeb LLC Elevation 2368 KB 2357 GL
 Address _____
 Co. Rep / Geo. Jon Christensen Rig sterling #2
 Location: Sec. 28 Twp. 34S Rge. 26W Co. Meade State KS

Interval Tested 5971 6038 Zone Tested Morrow Sand
 Anchor Length 67 Drill Pipe Run 5733 Mud Wt. 8.9
 Top Packer Depth 5967 Drill Collars Run 218 Vis 52
 Bottom Packer Depth 5971 Wt. Pipe Run _____ WL 10.8
 Total Depth 6038 Chlorides 6400 ppm System LCM 3 1/2

Blow Description IF: 1/4 blow died to surface.
IS: No return.
FF: BOB in 2 min blow died in 22 min.
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of <u>310 GFP</u>	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 30 BHT 125 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>3119</u>	<input checked="" type="checkbox"/> Test _____	T-On Location <u>2:50</u>
(B) First Initial Flow <u>173</u>	<input checked="" type="checkbox"/> Jars _____	T-Started <u>3:32</u>
(C) First Final Flow <u>305</u>	<input checked="" type="checkbox"/> Safety Joint _____	T-Open <u>6:40</u>
(D) Initial Shut-In <u>353</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>9:55</u>
(E) Second Initial Flow <u>104</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>12:40</u>
(F) Second Final Flow <u>244</u>	<input checked="" type="checkbox"/> Mileage <u>300-</u>	Comments <u>Tool P/aged</u>
(G) Final Shut-In <u>257</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>2972</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____

Initial Open 15
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 90

Ruined Packer _____
 Extra Copies _____
 Sub Total _____
 Total _____
 MP/DST Disc't _____

Approved By [Signature] Our Representative [Signature]

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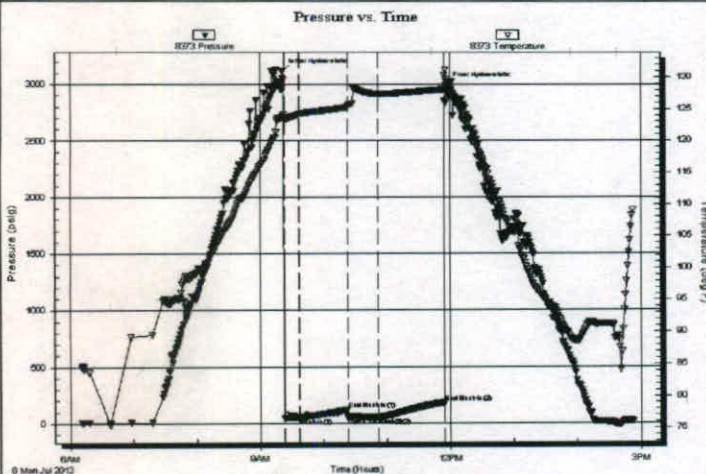
28-34s-26w Meade Co.
Henry Taylor #3-28
Job Ticket: 53177 **DST#: 3**
Test Start: 2013.07.08 @ 06:10:53

GENERAL INFORMATION:

Formation: **Miss Chester**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 09:23:08
Time Test Ended: 14:52:38
Test Type: Conventional Bottom Hole (Reset)
Tester: Brandon Turley
Unit No: 60
Interval: **6085.00 ft (KB) To 6142.00 ft (KB) (TVD)**
Total Depth: 6142.00 ft (KB) (TVD)
Reference Elevations: 2368.00 ft (KB)
Hole Diameter: 7.88 inches Hole Condition: Good
KB to GR/CF: 11.00 ft
2357.00 ft (CF)

Serial #: 8373 Inside
Press@RunDepth: 53.31 psig @ 6086.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.07.08 End Date: 2013.07.08 Last Calib.: 2013.07.08
Start Time: 06:10:53 End Time: 14:52:38 Time On Btm: 2013.07.08 @ 09:21:08
Time Off Btm: 2013.07.08 @ 11:55:53

TEST COMMENT: IF: 1/4 blow died to surface.
IS: No return.
FF: Surface blow built to 1/4 flushed tool. 3/4 blow died to surface.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	3119.19	123.61	Initial Hydro-static
2	46.62	123.20	Open To Flow (1)
17	52.46	124.18	Shut-In(1)
62	121.87	125.22	End Shut-In(1)
63	50.25	125.52	Open To Flow (2)
91	53.31	127.35	Shut-In(2)
153	184.04	128.06	End Shut-In(2)
155	2993.60	129.75	Final Hydro-static

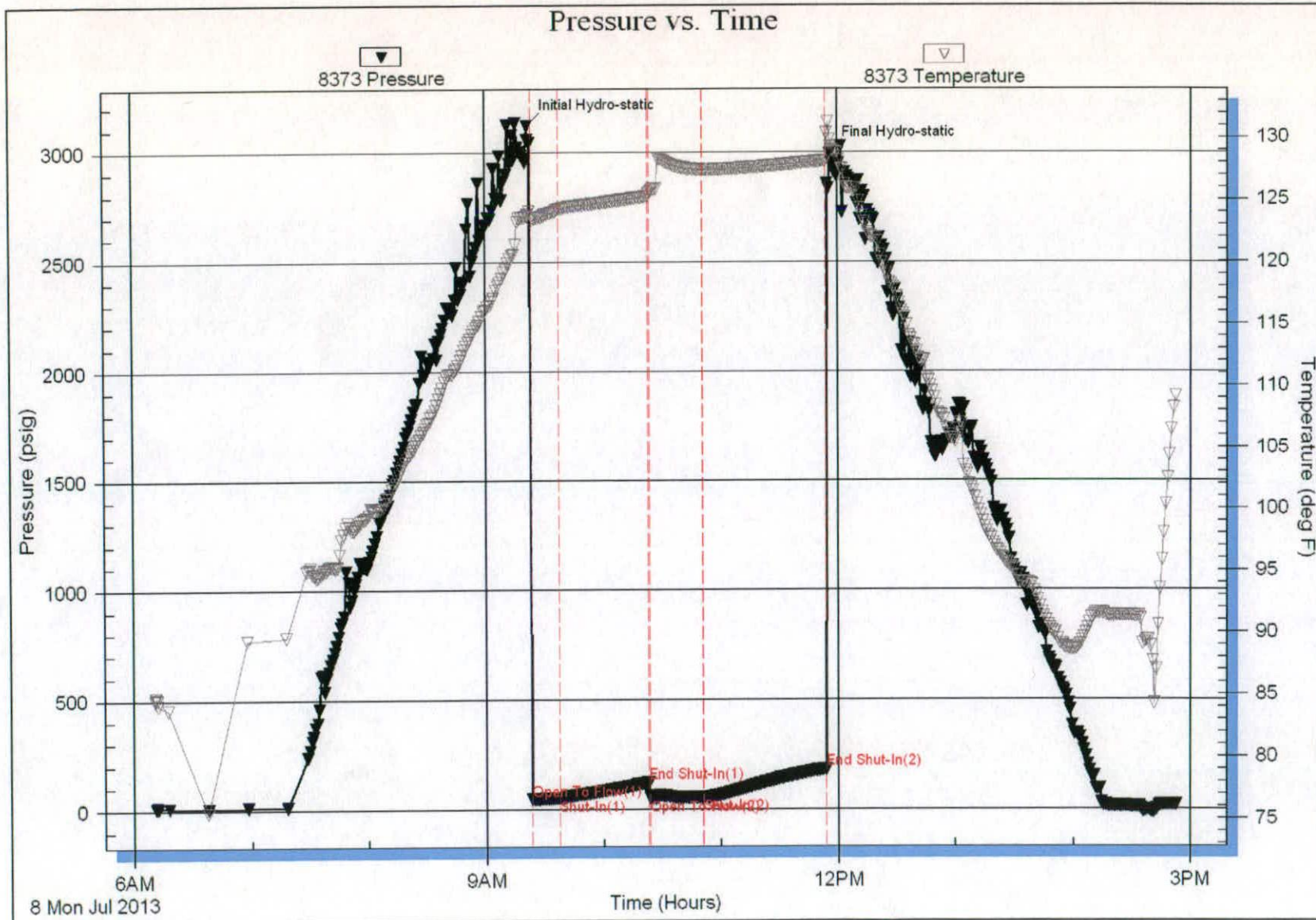
Recovery

Length (ft)	Description	Volume (bbl)
30.00	mud 100% m	0.15

* Recovery from multiple tests

Gas Rates

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





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 53177

Well Name & No. Henry Taylor 3-28 Test No. 3 Date 7-8-13
 Company Herman L Loeb LLC Elevation 2368 KB 2357 GL
 Address _____
 Co. Rep / Geo. Jon Christensen Rig sterling #2
 Location: Sec. 28 Twp. 345 Rge. 26W Co. Meade State K5

Interval Tested 6085 6142 Zone Tested Miss Chester
 Anchor Length _____ 57 Drill Pipe Run 5860 Mud Wt. 9.1
 Top Packer Depth _____ 6080 Drill Collars Run 218 Vis 56
 Bottom Packer Depth _____ 6085 Wt. Pipe Run _____ WL 10.4
 Total Depth _____ 6142 Chlorides 5500 ppm System LCM 2
 Blow Description IF: 1/4 blow died to surface.
IS: No return.

FF: surface blow built to 1/4 flushed tool 3/4 blow died to surface.
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 30 BHT 128 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 3119 Test _____ T-On Location 4:35
 (B) First Initial Flow 46 Jars _____ T-Started 6:10
 (C) First Final Flow 52 Safety Joint _____ T-Open 9:22
 (D) Initial Shut-In 121 Circ Sub N/L T-Pulled 11:22
 (E) Second Initial Flow 50 Hourly Standby _____ T-Out 14:55
 (F) Second Final Flow 53 Mileage 300 - Comments _____
 (G) Final Shut-In 184 Sampler _____
 (H) Final Hydrostatic 2993 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 15 Extra Recorder _____ Sub Total _____
 Initial Shut-In 45 Day Standby _____ Total _____
 Final Flow 30 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 60 Sub Total _____

Approved By [Signature] Our Representative [Signature]

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