

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Bow Creek Oil Comp. Partn.

25 1 33 Rawlins KS

1304 Eisenhower RD
Hays KS 67601

Simminger A 1-25

Job Ticket: 60805

DST#: 1

ATTN: Lyle Herrman

Test Start: 2015.01.29 @ 12:32:00

GENERAL INFORMATION:

Formation: **LKC "B&C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:52:30

Time Test Ended: 16:58:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Robert Zodrow

Unit No: 66

Interval: **3970.00 ft (KB) To 4081.00 ft (KB) (TVD)**

Reference Elevations: 2993.00 ft (KB)

Total Depth: 4081.00 ft (KB) (TVD)

2983.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8959

Inside

Press@RunDepth: 68.03 psig @ 3971.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.01.29

End Date:

2015.01.29

Last Calib.: 2015.01.29

Start Time: 12:32:00

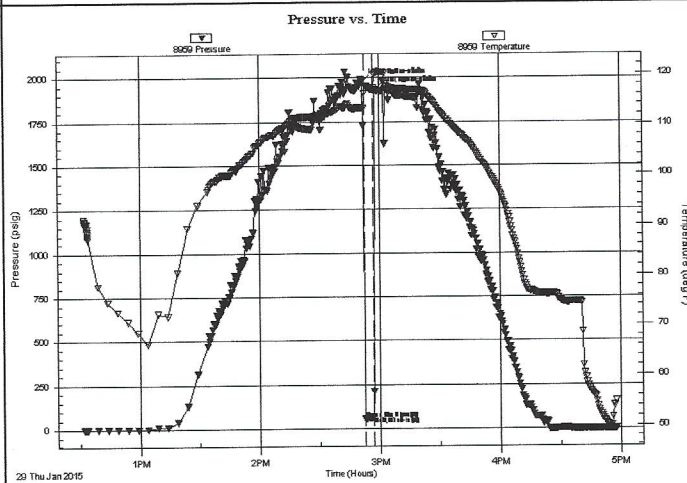
End Time:

16:58:00

Time On Btm: 2015.01.29 @ 14:51:30

Time Off Btm: 2015.01.29 @ 14:57:30

TEST COMMENT: Packer Failed after 5 Mins of the first open



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1975.32 | 113.21 | Initial Hydro-static |
| 1 | 55.57 | 116.11 | Open To Flow (1) |
| 5 | 68.03 | 116.62 | End Shut-In(1) |
| 6 | 1924.94 | 119.78 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 120.00 | MUD 100%M | 1.15 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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

Serial #: 8959

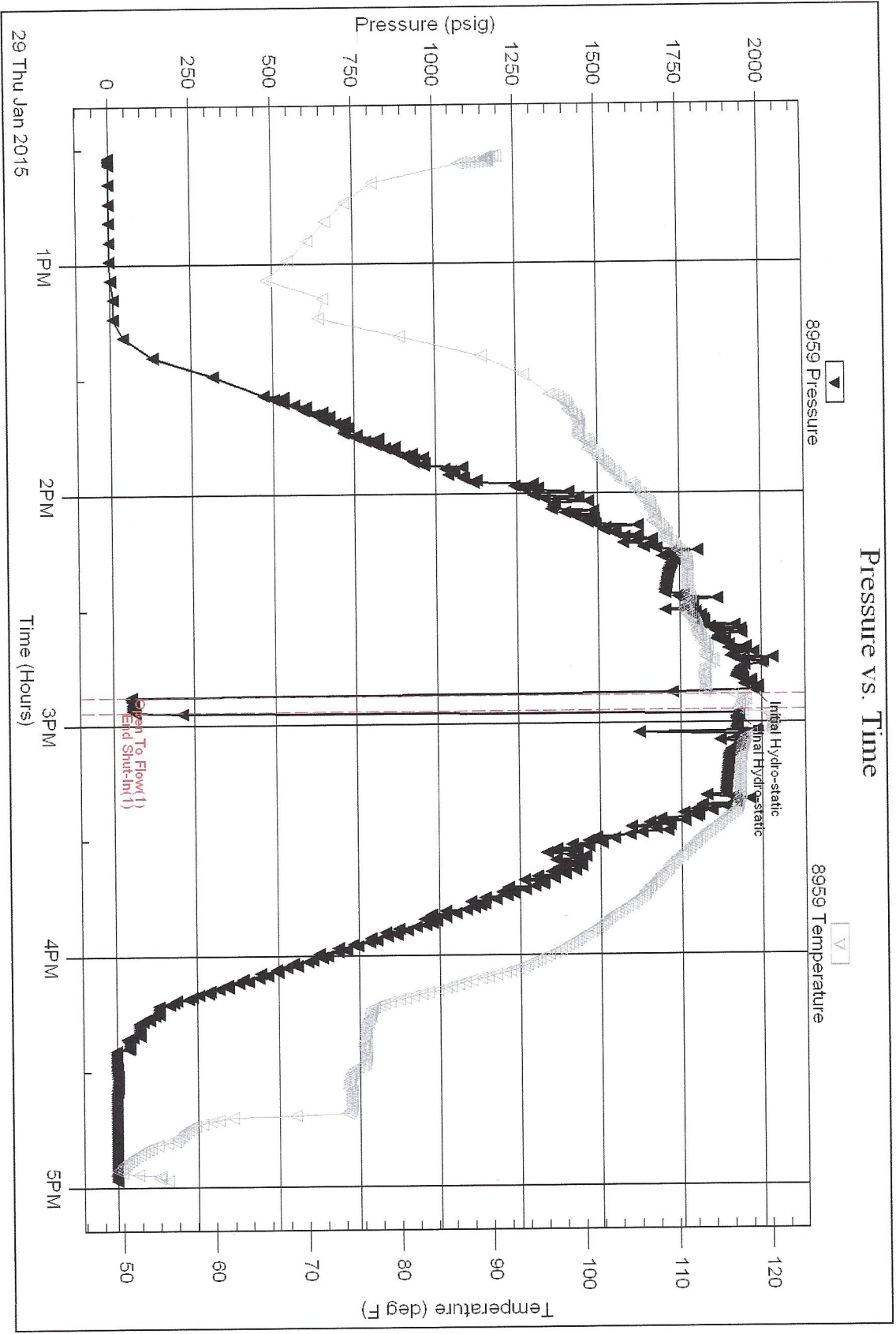
Inside

Bow Creek Oil Camp, Parth.

Shiringer A 1-25

DST Test Number: 1

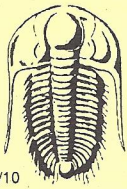
Pressure vs. Time



Triobite Testing, Inc

Ref. No: 60805

Printed: 2015.01.29 @ 17:16:25



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 60805

4/10

Well Name & No. Simminger A #1-25 Test No. 1 Date 1-29-2015
 Company Bow Creek Oil Comp. General Partn. Elevation 2993 KB 2983 GL
 Address 1304 Eisenhower RD Hays KS, 67601
 Co. Rep / Geo. Lyle Herrman Rig VAL #7
 Location: Sec. 25 Twp. 1 Rge. 33 W Co. Rawlins State KS

Interval Tested 3970 - 4081 Zone Tested LKC "B+C"
 Anchor Length 111 Drill Pipe Run 3895 Mud Wt. 9
 Top Packer Depth 3966 Drill Collars Run 62 Vis 49
 Bottom Packer Depth 3970 Wt. Pipe Run 0 WL 8.8
 Total Depth 4081 Chlorides 750 ppm System LCM 2

Blow Description Packer Failed after 5 min of the first open

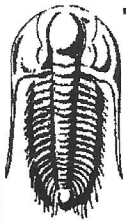
| Rec | Feet of | %gas | %oil | %water | %mud |
|------------|------------|------|------|------------|------|
| <u>120</u> | <u>mud</u> | | | <u>100</u> | |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |

Rec Total 120 BHT 116 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 1975 Test 10:00 1-29
 (B) First Initial Flow 55 Jars 12:32 1-29
 (C) First Final Flow — Safety Joint 14:52 1-29
 (D) Initial Shut-In — Circ Sub 14:56 1-29
 (E) Second Initial Flow — Hourly Standby 16:56 1-29
 (F) Second Final Flow — Mileage 64 RT
 (G) Final Shut-In 68 Sampler
 (H) Final Hydrostatic 1925 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies
 Extra Recorder Sub Total
 Day Standby Total
 Accessibility MP/DST Disc't
 Sub Total

Approved By [Signature] Our Representative Robert Zedler

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.**

DRILL STEM TEST REPORT

Bow Creek Oil Comp. Partn.

25 1 33 Rawlins KS

1304 Eisenhower RD
Hays KS 67601

Simminger A 1-25

Job Ticket: 60806

DST#: 2

ATTN: Lyle Herrman

Test Start: 2015.01.29 @ 17:30:00

GENERAL INFORMATION:

Formation: **LKC "B&C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:51:30

Time Test Ended: 00:18:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Robert Zodrow

Unit No: 66

Interval: **3975.00 ft (KB) To 4081.00 ft (KB) (TVD)**

Reference Elevations: 2993.00 ft (KB)

Total Depth: 4081.00 ft (KB) (TVD)

2983.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8959

Inside

Press@RunDepth: 105.08 psig @ 3976.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.01.29

End Date: 2015.01.30

Last Calib.: 2015.01.30

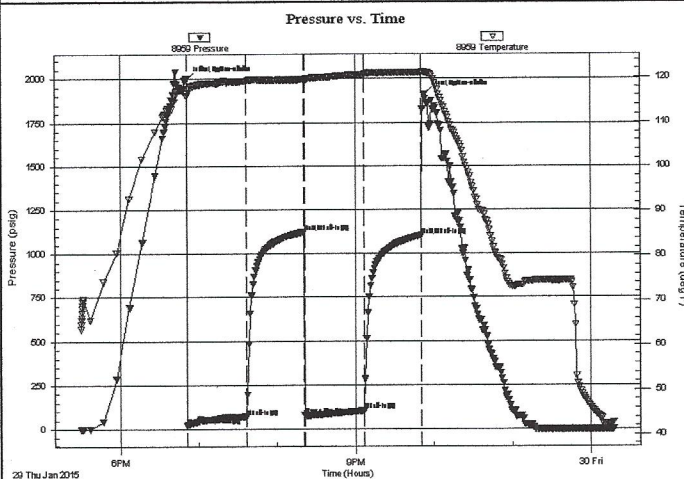
Start Time: 17:30:00

End Time: 00:18:00

Time On Btm: 2015.01.29 @ 18:51:00

Time Off Btm: 2015.01.29 @ 21:53:00

TEST COMMENT: 45-IF- Blow built to 9"
45-ISI- No return
45-FF- Blow built to 5 1/2"
45-FSI- No return



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1998.21 | 115.92 | Initial Hydro-static |
| 1 | 23.40 | 116.43 | Open To Flow (1) |
| 46 | 72.36 | 119.24 | Shut-In(1) |
| 90 | 1124.25 | 119.56 | End Shut-In(1) |
| 90 | 79.08 | 118.96 | Open To Flow (2) |
| 136 | 105.08 | 120.70 | Shut-In(2) |
| 180 | 1104.11 | 121.11 | End Shut-In(2) |
| 182 | 1912.91 | 121.05 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------|--------------|
| 120.00 | WM 40%M 60%W | 1.15 |
| 60.00 | MUD 100%M | 0.88 |
| | | |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

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

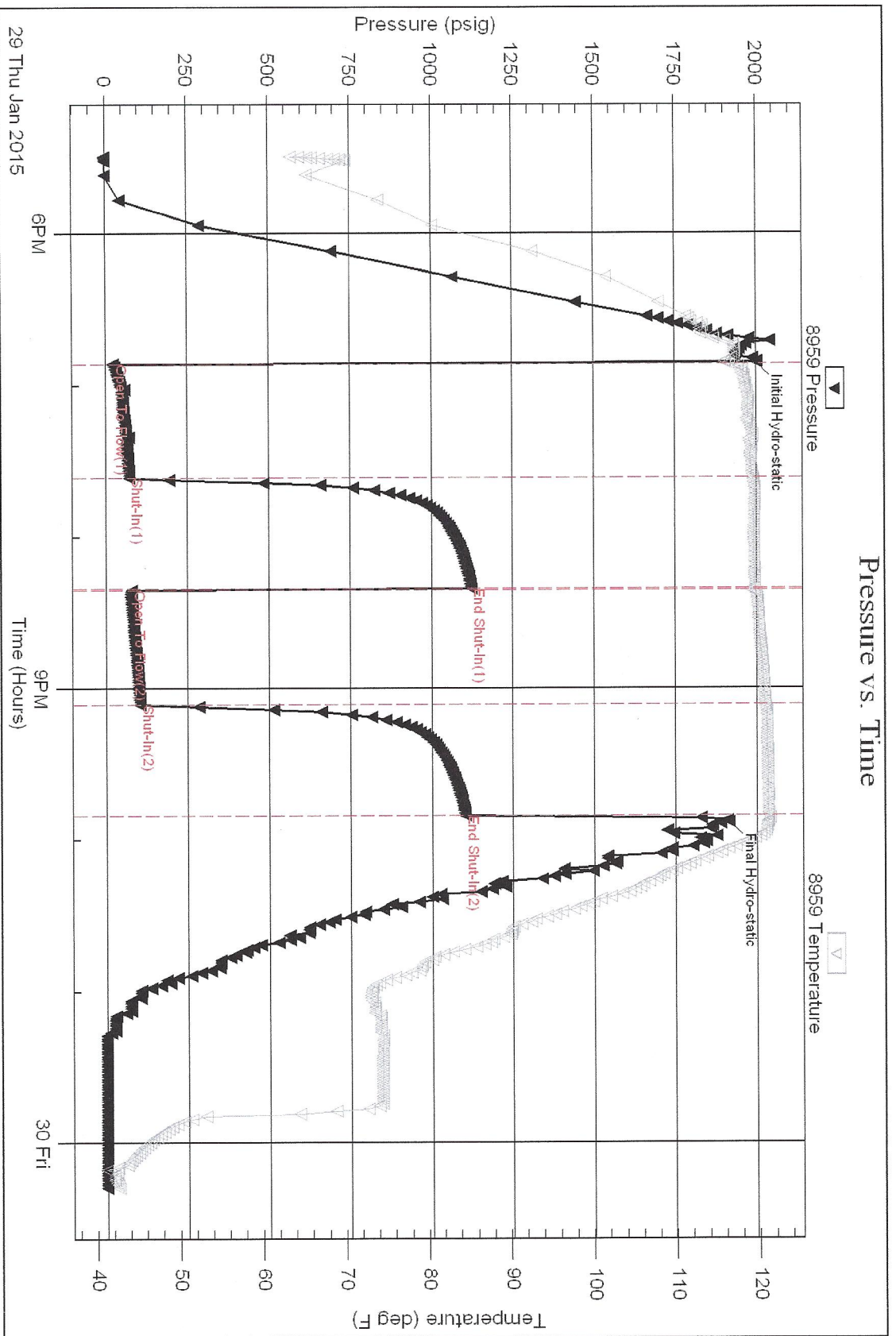
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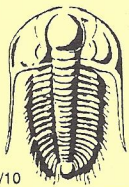
Inside

Bow Creek Oil Corp. Pattn.

Simringer A 1-25

DST Test Number: 2





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 60808

4/10

Well Name & No. Simminger A #1-25 Test No. 2 Date 1-29-2015
 Company Bow Creek Oil Elevation 2993 KB 2983 GL
 Address 1304 Eisenhower RD Hays KS, 67601
 Co. Rep / Geo. Lyle Herrman Rig Val #7
 Location: Sec. 25 Twp. I Rge. 33 W Co. Rawlins State KS

Interval Tested 3975 — 4081 Zone Tested LKC "B+C"
 Anchor Length 106 Drill Pipe Run 3898 Mud Wt. 9.4
 Top Packer Depth 3966 Drill Collars Run 62 Vis 49
 Bottom Packer Depth 3971 3975 (shale) Wt. Pipe Run 0 WL 8.8
 Total Depth 4081 Chlorides 750 ppm System LCM 1.5
 Blow Description IF - Blow built to 9"
ISF - NO return
FF - Blow built to 5 1/2"
FST - NO return

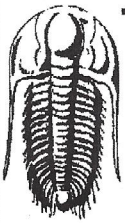
| Rec | Feet of | %gas | %oil | %water | %mud |
|------------|------------|------|------|------------|-----------|
| <u>60</u> | <u>mud</u> | | | <u>100</u> | |
| <u>120</u> | | | | <u>60</u> | <u>40</u> |
| | | | | | |
| | | | | | |
| | | | | | |

Rec Total 180 BHT 121 Gravity — API RW 263 @ 54.5 °F Chlorides 40,000 ppm

(A) Initial Hydrostatic 1998 Test 17:00 1-29
 (B) First Initial Flow 23 Jars 17:30 1-29
 (C) First Final Flow 72 Safety Joint 18:51 1-29
 (D) Initial Shut-In 1124 Circ Sub 21:50 1-29
 (E) Second Initial Flow 79 Hourly Standby 00:18 1-30
 (F) Second Final Flow 105 Mileage 0 NC
 (G) Final Shut-In 1104 Sampler
 (H) Final Hydrostatic 1913 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies
 Extra Recorder Sub Total
 Day Standby Total
 Accessibility MP/DST Disc't
 Sub Total

Approved By _____ Our Representative Robert Zedler

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TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Bow Creek Oil Comp. Partn.

25 1 33 Rawlins KS

1304 Eisenhower RD
Hays KS 67601

Simminger A 1-25

Job Ticket: 60807

DST#: 3

ATTN: Lyle Herrman

Test Start: 2015.01.30 @ 19:05:00

GENERAL INFORMATION:

Formation: **LKC "D-E"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:09:00

Time Test Ended: 02:42:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Robert Zodrow

Unit No: 66

Interval: **4068.00 ft (KB) To 4181.00 ft (KB) (TVD)**

Total Depth: 4181.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2993.00 ft (KB)

2983.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8959

Inside

Press@RunDepth: 93.48 psig @ 4069.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.01.30

End Date: 2015.01.31

Last Calib.: 2015.01.31

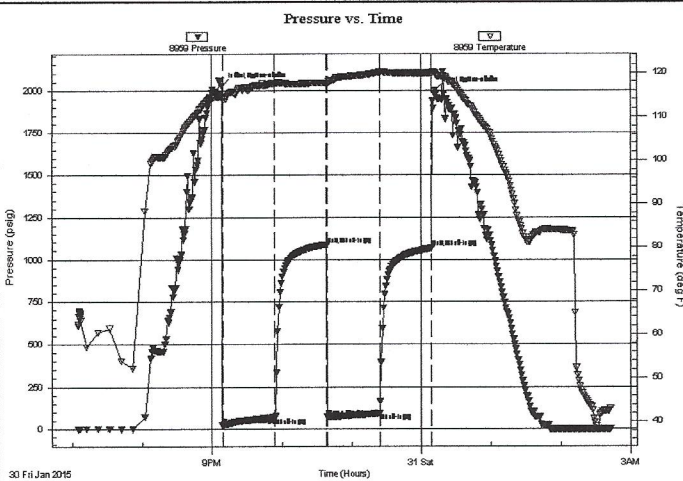
Start Time: 19:05:00

End Time: 02:42:30

Time On Btm: 2015.01.30 @ 21:08:30

Time Off Btm: 2015.01.31 @ 00:12:00

TEST COMMENT: 45-IF- Blow built to 8 1/2"
45-ISI- No return
45-FF- Blow built to 5"
45-FSI- No return



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2025.28 | 114.56 | Initial Hydro-static |
| 1 | 21.07 | 114.16 | Open To Flow (1) |
| 46 | 67.78 | 117.65 | Shut-In(1) |
| 90 | 1087.09 | 117.74 | End Shut-In(1) |
| 91 | 73.06 | 117.56 | Open To Flow (2) |
| 136 | 93.48 | 120.13 | Shut-In(2) |
| 181 | 1066.58 | 119.92 | End Shut-In(2) |
| 184 | 1999.16 | 119.67 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|----------------------|--------------|
| 60.00 | MW 15%M 85%W | 0.30 |
| 105.00 | MWOS 100%M oil spots | 1.52 |
| | | |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

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

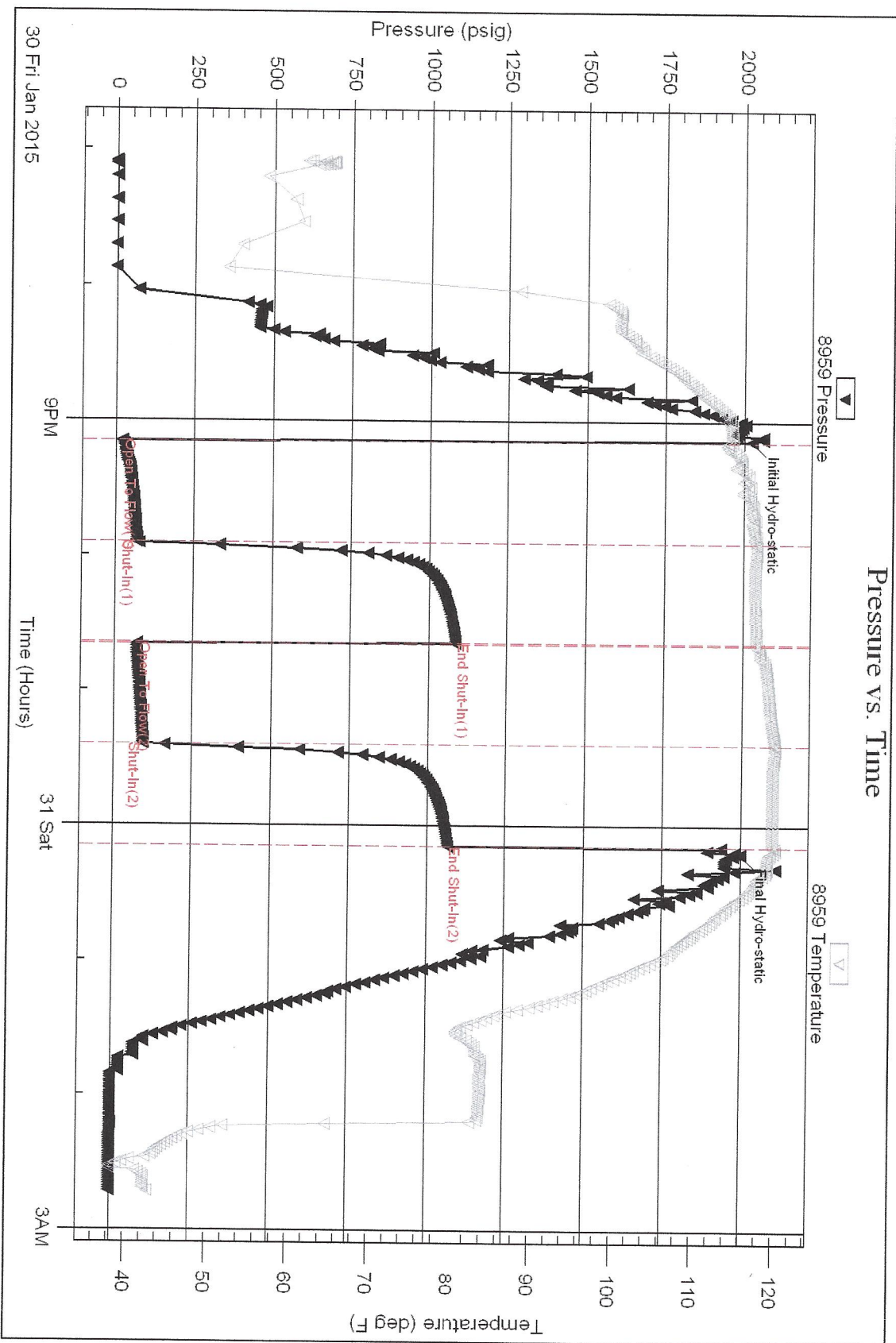
Serial #: 8959

Inside

Bow Creek Oil Comp. Partn.

Slimringer A-1-25

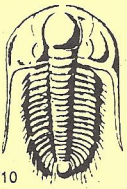
DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 60807

Printed: 2015.01.31 @ 02:53:35



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 60807

4/10

Well Name & No. Simminger A #1-25 Test No. 3 Date 1-30-2015
 Company Bow Creek Oil Elevation 2993 KB 2983 GL
 Address 1304 Eisenhower RD Hays KS, 67601
 Co. Rep / Geo. Lyle Herrman Rig VAL #7
 Location: Sec. 25 Twp. 1 Rge. 33W Co. Rawlins State KS

Interval Tested 4068 — 4181 Zone Tested LKC "D-E"
 Anchor Length 113 Drill Pipe Run 3992 Mud Wt. 9.1
 Top Packer Depth 4064 Drill Collars Run 62 Vis 55
 Bottom Packer Depth 4068 (Shale) Wt. Pipe Run 0 WL 7.6
 Total Depth 4181 Chlorides 750 ppm System LCM 3
 Blow Description IF - Blow built +0 8 1/2"
ISI - No return
FF - Blow built +0 5"
FSI - No return

| Rec | Feet of | %gas | %oil | %water | %mud |
|------------|------------|----------------|-----------|------------|------|
| <u>105</u> | <u>mws</u> | <u>Spotted</u> | | <u>100</u> | |
| <u>60</u> | <u>mw</u> | | <u>85</u> | <u>15</u> | |
| | | | | | |
| | | | | | |
| | | | | | |

Rec Total 165 BHT 120 Gravity — API RW 280 @ 50 °F Chlorides 39,000 ppm

| | | |
|-------------------------------------|--|--|
| (A) Initial Hydrostatic <u>2025</u> | <input checked="" type="checkbox"/> Test | T-On Location <u>18:15 1-30</u> |
| (B) First Initial Flow <u>21</u> | <input checked="" type="checkbox"/> Jars | T-Started <u>19:05 1-30</u> |
| (C) First Final Flow <u>68</u> | <input checked="" type="checkbox"/> Safety Joint | T-Open <u>21:09 1-30</u> |
| (D) Initial Shut-In <u>1087</u> | <input type="checkbox"/> Circ Sub | T-Pulled <u>00:09 1-31</u> |
| (E) Second Initial Flow <u>73</u> | <input type="checkbox"/> Hourly Standby | T-Out <u>02:42 1-31</u> |
| (F) Second Final Flow <u>93</u> | <input checked="" type="checkbox"/> Mileage <u>64 RT</u> | Comments _____ |
| (G) Final Shut-In <u>1066</u> | <input type="checkbox"/> Sampler | _____ |
| (H) Final Hydrostatic <u>1999</u> | <input type="checkbox"/> Straddle | <input type="checkbox"/> Ruined Shale Packer |
| Initial Open <u>45</u> | <input checked="" type="checkbox"/> Shale Packer | <input type="checkbox"/> Ruined Packer |
| Initial Shut-In <u>45</u> | <input type="checkbox"/> Extra Packer | <input type="checkbox"/> Extra Copies |
| Final Flow <u>45</u> | <input type="checkbox"/> Extra Recorder | Sub Total _____ |
| Final Shut-In <u>45</u> | <input type="checkbox"/> Day Standby | Total _____ |
| | <input type="checkbox"/> Accessibility | MP/DST Disc't _____ |
| | Sub Total _____ | |

Approved By _____ Our Representative Robert Zedrow

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