



## DRILL STEM TEST REPORT

Prepared For: **Habit Petroleum, LLC**

PO Box 243  
Hays, KS 67601

ATTN: Duane Stecklein

### **Schmeidler #1**

### **3-15S-19W Ellis,KS**

Start Date: 2016.06.25 @ 13:26:52

End Date: 2016.06.25 @ 19:15:52

Job Ticket #: 58093                      DST #: 1

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

Printed: 2016.06.27 @ 11:58:18



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Habit Petroleum, LLC

**3-15S-19W Ellis,KS**

PO Box 243  
Hays, KS 67601

**Schmeidler #1**

Job Ticket: 58093

**DST#: 1**

ATTN: Duane Stecklein

Test Start: 2016.06.25 @ 13:26:52

## GENERAL INFORMATION:

Formation: **LKC "H-J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:43:52

Time Test Ended: 19:15:52

Test Type: Conventional Bottom Hole (Initial)

Tester: Brannan Lonsdale

Unit No: 73

**Interval: 3499.00 ft (KB) To 3574.00 ft (KB) (TVD)**

Reference Elevations: 2060.00 ft (KB)

Total Depth: 3574.00 ft (KB) (TVD)

2055.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 6651**

**Inside**

Press@RunDepth: 40.97 psig @ 3571.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.06.25

End Date:

2016.06.25

Last Calib.:

2016.06.25

Start Time: 13:26:53

End Time:

19:15:52

Time On Btm:

2016.06.25 @ 15:43:22

Time Off Btm:

2016.06.25 @ 17:46:22

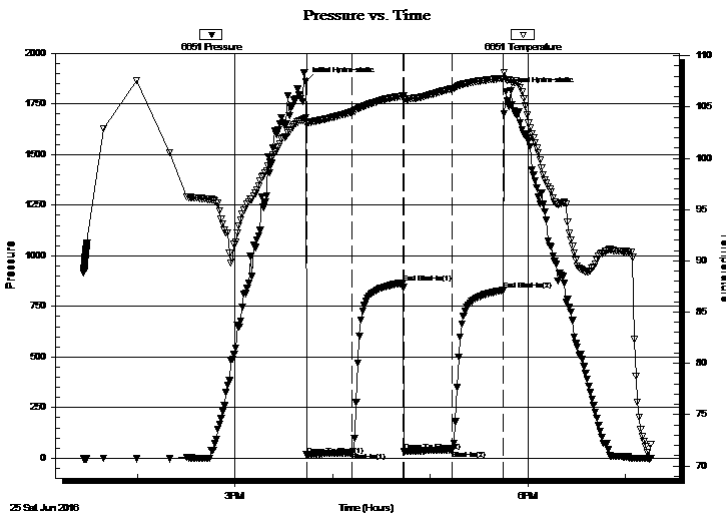
TEST COMMENT: 30- IF- Slow ly built to 1 1/2"

30- IS- No blow

30- FF- Slow ly built to 1"

30- FS- No blow

## PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1861.42         | 103.95       | Initial Hydro-static |
| 1           | 16.65           | 103.32       | Open To Flow (1)     |
| 29          | 27.19           | 104.52       | Shut-In(1)           |
| 60          | 865.43          | 106.06       | End Shut-In(1)       |
| 61          | 31.94           | 105.79       | Open To Flow (2)     |
| 90          | 40.97           | 106.78       | Shut-In(2)           |
| 122         | 829.61          | 107.80       | End Shut-In(2)       |
| 123         | 1812.52         | 107.68       | Final Hydro-static   |

## Recovery

| Length (ft) | Description        | Volume (bbl) |
|-------------|--------------------|--------------|
| 60.00       | M w/ few oil spots | 0.44         |
|             |                    |              |
|             |                    |              |
|             |                    |              |
|             |                    |              |

## Gas Rates

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



# DRILL STEM TEST REPORT

Habit Petroleum, LLC

**3-15S-19W Ellis,KS**

PO Box 243  
Hays, KS 67601

**Schmeidler #1**

Job Ticket: 58093

**DST#: 1**

ATTN: Duane Stecklein

Test Start: 2016.06.25 @ 13:26:52

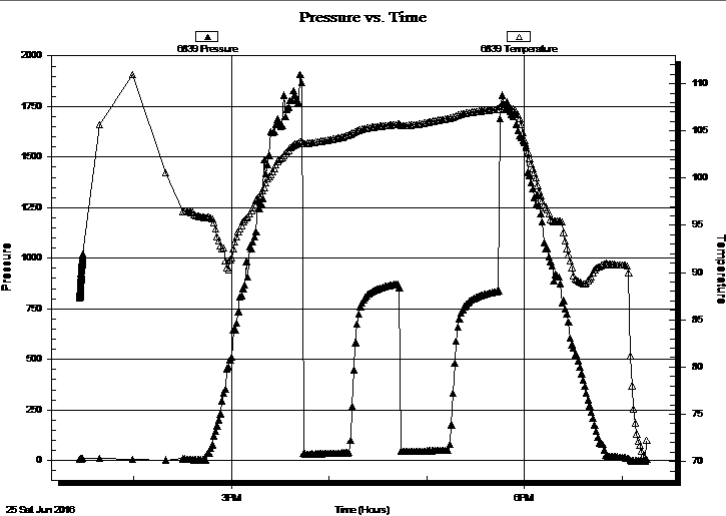
### GENERAL INFORMATION:

Formation: **LKC "H-J"**  
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 15:43:52 Tester: Brannan Lonsdale  
 Time Test Ended: 19:15:52 Unit No: 73  
 Interval: **3499.00 ft (KB) To 3574.00 ft (KB) (TVD)** Reference Elevations: 2060.00 ft (KB)  
 Total Depth: 3574.00 ft (KB) (TVD) 2055.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

### Serial #: 6839 Outside

|                 |            |                 |            |               |            |
|-----------------|------------|-----------------|------------|---------------|------------|
| Press@RunDepth: | psig @     | 3571.00 ft (KB) | Capacity:  | 8000.00 psig  |            |
| Start Date:     | 2016.06.25 | End Date:       | 2016.06.25 | Last Calib.:  | 2016.06.25 |
| Start Time:     | 13:26:41   | End Time:       | 19:15:40   | Time On Btm:  |            |
|                 |            |                 |            | Time Off Btm: |            |

TEST COMMENT: 30- IF- Slowly built to 1 1/2"  
 30- IS- No blow  
 30- FF- Slowly built to 1"  
 30- FS- No blow



### PRESSURE SUMMARY

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

### Recovery

| Length (ft) | Description        | Volume (bbl) |
|-------------|--------------------|--------------|
| 60.00       | M w/ few oil spots | 0.44         |
|             |                    |              |
|             |                    |              |
|             |                    |              |
|             |                    |              |

### Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Habit Petroleum, LLC

**3-15S-19W Ellis,KS**

PO Box 243  
Hays, KS 67601

**Schmeidler #1**

Job Ticket: 58093

**DST#: 1**

ATTN: Duane Stecklein

Test Start: 2016.06.25 @ 13:26:52

## Tool Information

|                           |                    |                       |                                |                                    |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe:               | Length: 3021.00 ft | Diameter: 3.82 inches | Volume: 42.82 bbl              | Tool Weight: 2000.00 lb            |
| Heavy Wt. Pipe:           | Length: 466.00 ft  | Diameter: 2.75 inches | Volume: 3.42 bbl               | Weight set on Packer: 25000.00 lb  |
| Drill Collar:             | Length: 0.00 ft    | Diameter: 2.25 inches | Volume: 0.00 bbl               | Weight to Pull Loose: 60000.00 lb  |
|                           |                    |                       | <u>Total Volume: 46.24 bbl</u> | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 8.00 ft            |                       |                                | String Weight: Initial 60000.00 lb |
| Depth to Top Packer:      | 3499.00 ft         |                       |                                | Final 60000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                                |                                    |
| Interval between Packers: | 75.00 ft           |                       |                                |                                    |
| Tool Length:              | 95.00 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        |            |          | 3480.00    |                               |
| Shut In Tool     | 5.00        |            |          | 3485.00    |                               |
| Hydraulic tool   | 5.00        |            |          | 3490.00    |                               |
| Packer           | 5.00        |            |          | 3495.00    | 20.00 Bottom Of Top Packer    |
| Packer           | 4.00        |            |          | 3499.00    |                               |
| Stubb            | 1.00        |            |          | 3500.00    |                               |
| Perforations     | 5.00        |            |          | 3505.00    |                               |
| Change Over Sub  | 1.00        |            |          | 3506.00    |                               |
| Drill Pipe       | 64.00       |            |          | 3570.00    |                               |
| Change Over Sub  | 1.00        |            |          | 3571.00    |                               |
| Recorder         | 0.00        | 6651       | Inside   | 3571.00    |                               |
| Recorder         | 0.00        | 6839       | Outside  | 3571.00    |                               |
| Bullnose         | 3.00        |            |          | 3574.00    | 75.00 Bottom Packers & Anchor |

**Total Tool Length: 95.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Habit Petroleum, LLC

**3-15S-19W Ellis,KS**

PO Box 243  
Hays, KS 67601

**Schmeidler #1**

Job Ticket: 58093

**DST#: 1**

ATTN: Duane Stecklein

Test Start: 2016.06.25 @ 13:26:52

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 65.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.39 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

| Length<br>ft | Description         | Volume<br>bbl |
|--------------|---------------------|---------------|
| 60.00        | M w / few oil spots | 0.441         |

Total Length: 60.00 ft      Total Volume: 0.441 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

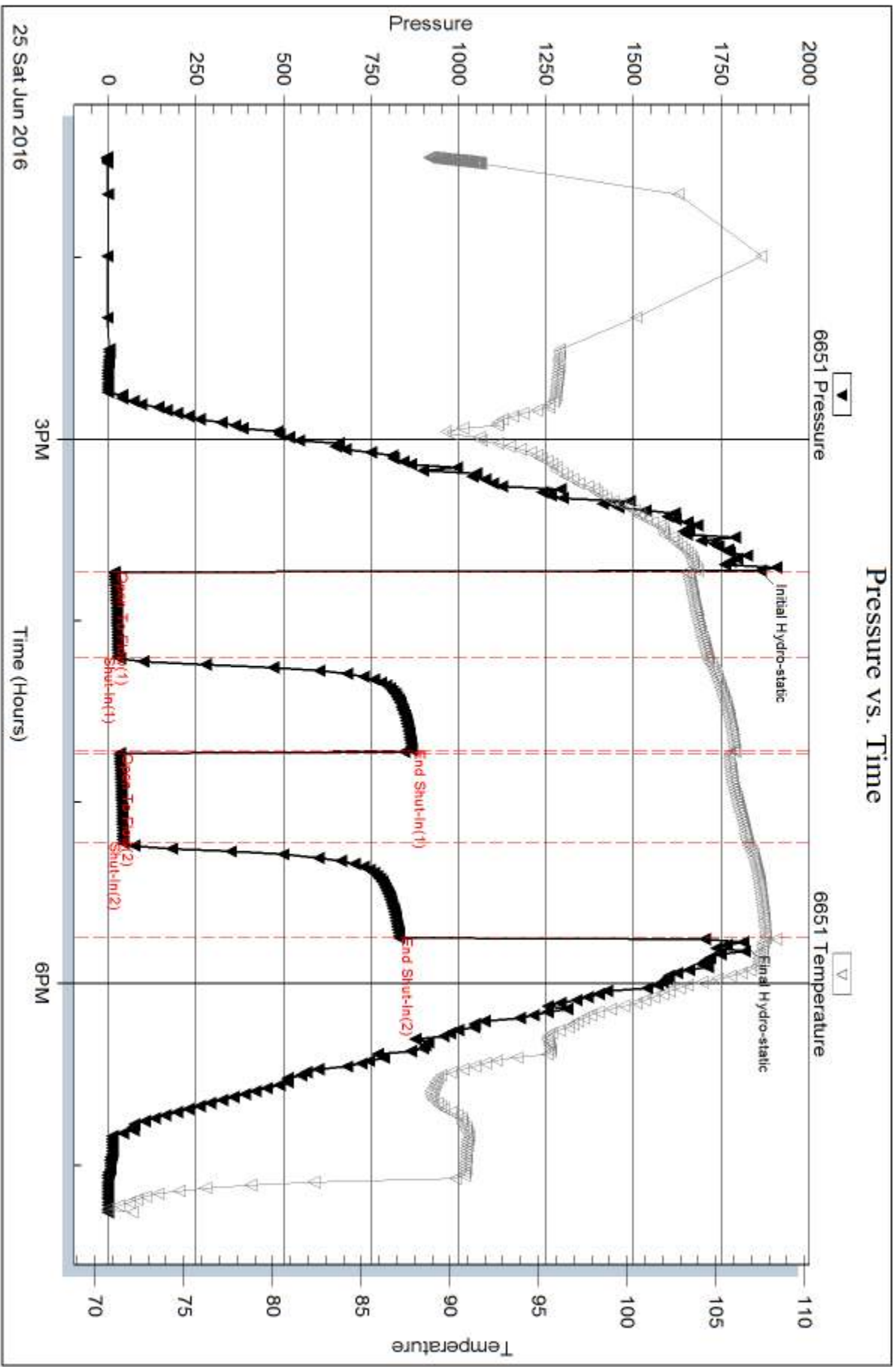
Serial #: 6651

Inside

Habit Petroleum, LLC

Schmedler #1

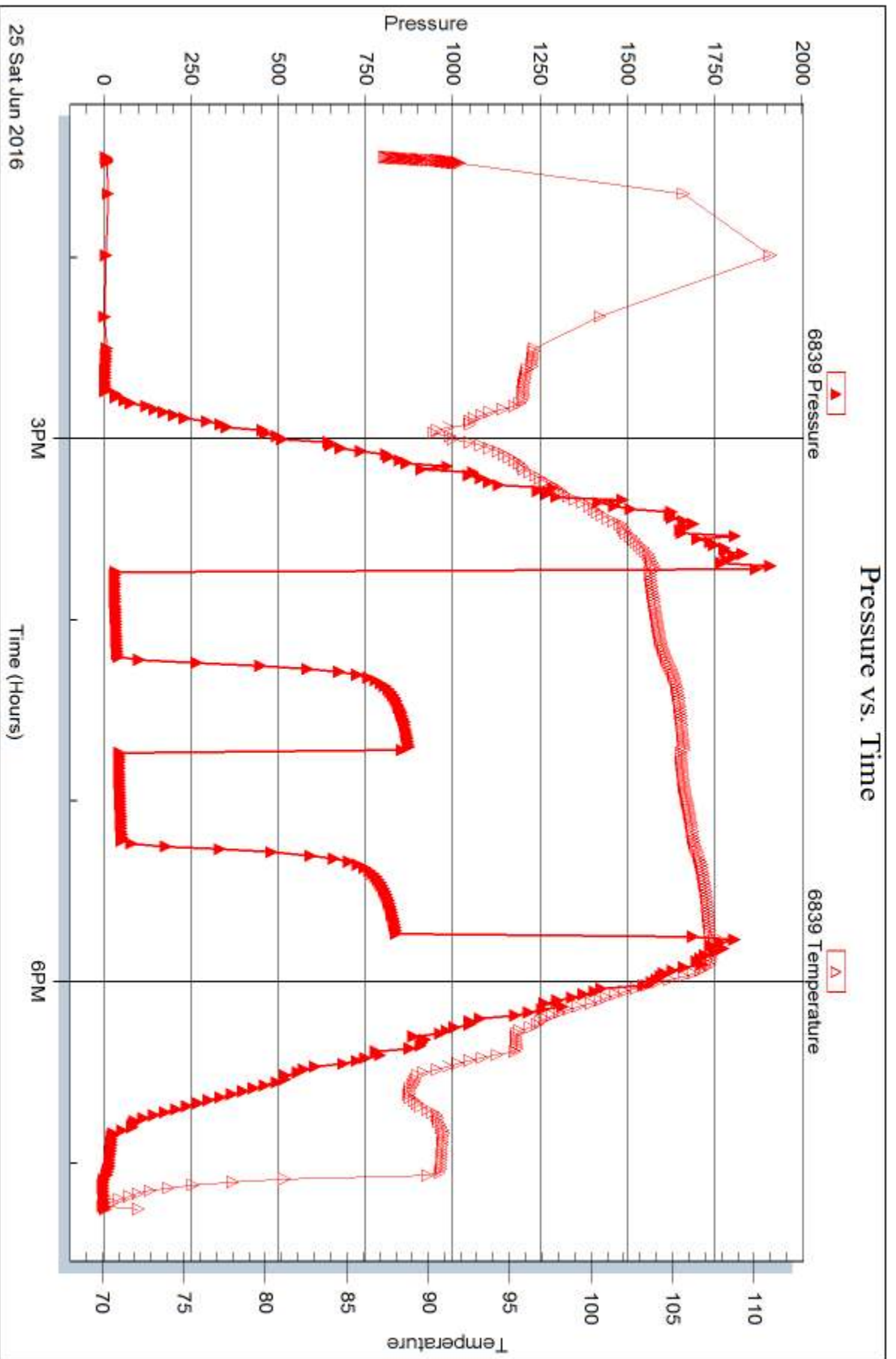
DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 58093

Printed: 2016.06.27 @ 11:58:21





## DRILL STEM TEST REPORT

Prepared For: **Habit Petroleum, LLC**

PO Box 243  
Hays, KS 67601

ATTN: Duane Stecklein

### **Schmeidler #1**

### **3-15S-19W Ellis,KS**

Start Date: 2016.06.26 @ 15:24:31

End Date: 2016.06.26 @ 22:06:01

Job Ticket #: 58094                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2016.06.27 @ 11:57:34





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Habit Petroleum, LLC

**3-15S-19W Ellis,KS**

PO Box 243  
Hays, KS 67601

**Schmeidler #1**

Job Ticket: 58094

**DST#: 2**

ATTN: Duane Stecklein

Test Start: 2016.06.26 @ 15:24:31

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:18:31

Time Test Ended: 22:06:01

Test Type: Conventional Straddle (Reset)

Tester: Brannan Lonsdale

Unit No: 73

**Interval: 3670.00 ft (KB) To 3710.00 ft (KB) (TVD)**

Reference Elevations: 2060.00 ft (KB)

Total Depth: 3725.00 ft (KB) (TVD)

2055.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 6651 Inside**

Press@RunDepth: 594.30 psig @ 3672.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.06.26

End Date:

2016.06.26

Last Calib.:

2016.06.26

Start Time: 15:24:32

End Time:

22:06:01

Time On Btm:

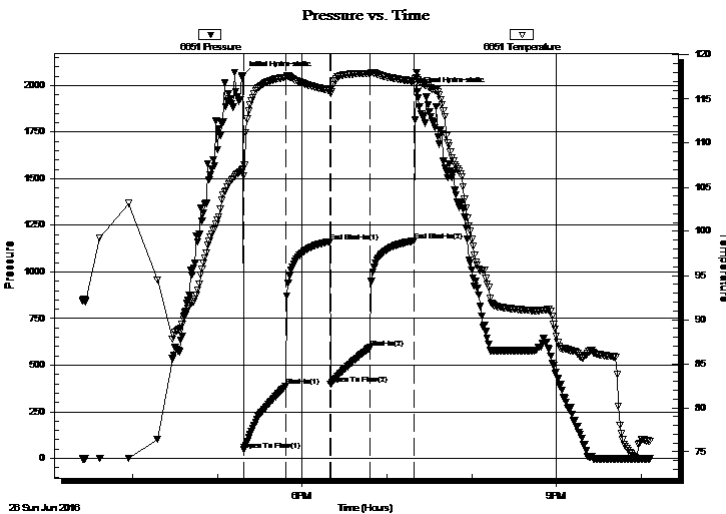
2016.06.26 @ 17:17:31

Time Off Btm:

2016.06.26 @ 19:21:31

TEST COMMENT: 30- IF- BOB 4 mins  
30- IS- No blow  
30- FF- BOB 5 mins  
30- FS- No blow

## PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2055.01         | 107.02       | Initial Hydro-static |
| 1           | 45.63           | 106.31       | Open To Flow (1)     |
| 31          | 387.92          | 117.46       | Shut-In(1)           |
| 62          | 1163.13         | 115.99       | End Shut-In(1)       |
| 63          | 398.02          | 115.63       | Open To Flow (2)     |
| 91          | 594.30          | 117.91       | Shut-In(2)           |
| 122         | 1166.31         | 117.01       | End Shut-In(2)       |
| 124         | 1968.94         | 117.23       | Final Hydro-static   |

## Recovery

| Length (ft) | Description   | Volume (bbl) |
|-------------|---------------|--------------|
| 1292.00     | MW, 15%M 85%W | 15.13        |
|             |               |              |
|             |               |              |
|             |               |              |
|             |               |              |

## Gas Rates

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

\* Recovery from multiple tests



# DRILL STEM TEST REPORT

Habit Petroleum, LLC

PO Box 243  
Hays, KS 67601

ATTN: Duane Stecklein

**3-15S-19W Ellis,KS**

**Schmeidler #1**

Job Ticket: 58094

**DST#: 2**

Test Start: 2016.06.26 @ 15:24:31

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:18:31

Time Test Ended: 22:06:01

**Interval: 3670.00 ft (KB) To 3710.00 ft (KB) (TVD)**

Total Depth: 3725.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Straddle (Reset)

Tester: Brannan Lonsdale

Unit No: 73

Reference Elevations: 2060.00 ft (KB)

2055.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 6839 Outside**

Press@RunDepth: psig @ 3672.00 ft (KB)

Start Date: 2016.06.26

End Date:

Start Time: 15:24:04

End Time:

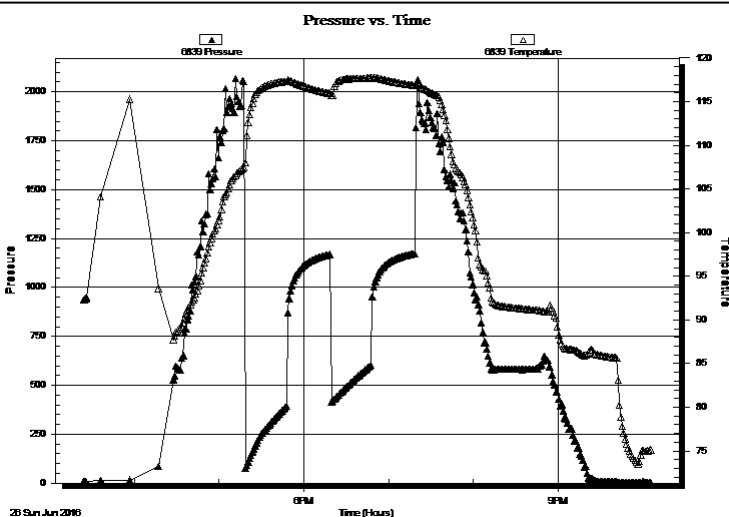
Capacity: 8000.00 psig

Last Calib.: 2016.06.26

Time On Btm:

Time Off Btm:

TEST COMMENT: 30- IF- BOB 4 mins  
30- IS- No blow  
30- FF- BOB 5 mins  
30- FS- No blow



## PRESSURE SUMMARY

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

## Recovery

| Length (ft) | Description   | Volume (bbl) |
|-------------|---------------|--------------|
| 1292.00     | MW, 15%M 85%W | 15.13        |
|             |               |              |
|             |               |              |
|             |               |              |
|             |               |              |
|             |               |              |

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Habit Petroleum, LLC

**3-15S-19W Ellis,KS**

PO Box 243  
Hays, KS 67601

**Schmeidler #1**

Job Ticket: 58094

**DST#: 2**

ATTN: Duane Stecklein

Test Start: 2016.06.26 @ 15:24:31

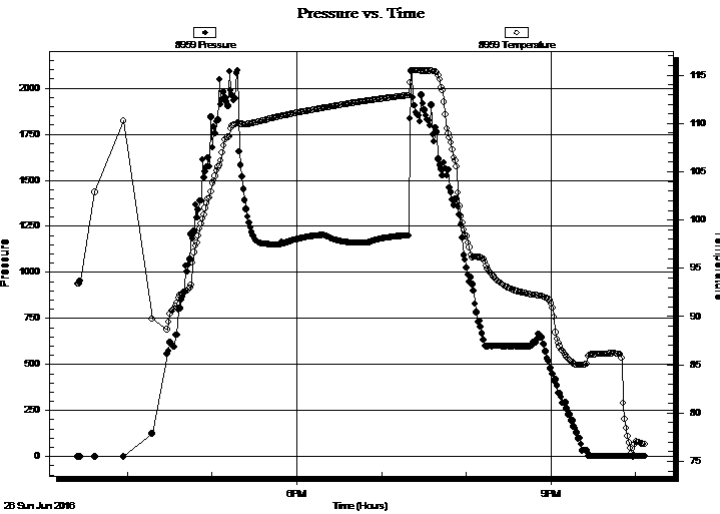
## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Straddle (Reset)  
 Time Tool Opened: 17:18:31  
 Tester: Brannan Lonsdale  
 Time Test Ended: 22:06:01  
 Unit No: 73  
**Interval: 3670.00 ft (KB) To 3710.00 ft (KB) (TVD)**  
 Reference Elevations: 2060.00 ft (KB)  
 Total Depth: 3725.00 ft (KB) (TVD)  
 2055.00 ft (CF)  
 Hole Diameter: 7.88 inches  
 Hole Condition: Fair  
 KB to GR/CF: 5.00 ft

## Serial #: 8959 Below (Straddle)

Press@RunDepth: psig @ 3712.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2016.06.26 End Date: 2016.06.26 Last Calib.: 2016.06.26  
 Start Time: 15:24:47 End Time: 22:06:16 Time On Btm:  
 Time Off Btm:

TEST COMMENT: 30- IF- BOB 4 mins  
 30- IS- No blow  
 30- FF- BOB 5 mins  
 30- FS- No blow



## PRESSURE SUMMARY

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

## Recovery

| Length (ft) | Description   | Volume (bbl) |
|-------------|---------------|--------------|
| 1292.00     | MW, 15%M 85%W | 15.13        |
|             |               |              |
|             |               |              |
|             |               |              |
|             |               |              |

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Habit Petroleum, LLC

**3-15S-19W Ellis,KS**

PO Box 243  
Hays, KS 67601

**Schmeidler #1**

Job Ticket: 58094

**DST#: 2**

ATTN: Duane Stecklein

Test Start: 2016.06.26 @ 15:24:31

## Tool Information

|                           |                    |                       |                                |                                    |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe:               | Length: 3211.00 ft | Diameter: 3.82 inches | Volume: 45.52 bbl              | Tool Weight: 2500.00 lb            |
| Heavy Wt. Pipe:           | Length: 466.00 ft  | Diameter: 2.75 inches | Volume: 3.42 bbl               | Weight set on Packer: 25000.00 lb  |
| Drill Collar:             | Length: 0.00 ft    | Diameter: 2.25 inches | Volume: 0.00 bbl               | Weight to Pull Loose: 67000.00 lb  |
|                           |                    |                       | <u>Total Volume: 48.94 bbl</u> | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 27.00 ft           |                       |                                | String Weight: Initial 62000.00 lb |
| Depth to Top Packer:      | 3670.00 ft         |                       |                                | Final 65000.00 lb                  |
| Depth to Bottom Packer:   | 3710.00 ft         |                       |                                |                                    |
| Interval between Packers: | 40.00 ft           |                       |                                |                                    |
| Tool Length:              | 75.00 ft           |                       |                                |                                    |
| Number of Packers:        | 3                  | Diameter: 6.75 inches |                                |                                    |

Tool Comments:

## Tool Description

**Length (ft) Serial No. Position Depth (ft) Accum. Lengths**

|                 |       |      |         |         |                               |
|-----------------|-------|------|---------|---------|-------------------------------|
| Change Over Sub | 1.00  |      |         | 3651.00 |                               |
| Shut In Tool    | 5.00  |      |         | 3656.00 |                               |
| Hydraulic tool  | 5.00  |      |         | 3661.00 |                               |
| Packer          | 5.00  |      |         | 3666.00 | 20.00 Bottom Of Top Packer    |
| Packer          | 4.00  |      |         | 3670.00 |                               |
| Stubb           | 1.00  |      |         | 3671.00 |                               |
| Change Over Sub | 1.00  |      |         | 3672.00 |                               |
| Recorder        | 0.00  | 6651 | Inside  | 3672.00 |                               |
| Recorder        | 0.00  | 6839 | Outside | 3672.00 |                               |
| Drill Pipe      | 32.00 |      |         | 3704.00 |                               |
| Change Over Sub | 1.00  |      |         | 3705.00 |                               |
| Perforations    | 1.00  |      |         | 3706.00 |                               |
| Blank Off Sub   | 1.00  |      |         | 3707.00 |                               |
| Blank Spacing   | 3.00  |      |         | 3710.00 | 40.00 Tool Interval           |
| Packer          | 1.00  |      |         | 3711.00 |                               |
| Stubb           | 1.00  |      |         | 3712.00 |                               |
| Recorder        | 0.00  | 8959 | Below   | 3712.00 |                               |
| Perforations    | 10.00 |      |         | 3722.00 |                               |
| Bullnose        | 3.00  |      |         | 3725.00 | 15.00 Bottom Packers & Anchor |

**Total Tool Length: 75.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Habit Petroleum, LLC

**3-15S-19W Ellis,KS**

PO Box 243  
Hays, KS 67601

**Schmeidler #1**

Job Ticket: 58094

**DST#: 2**

ATTN: Duane Stecklein

Test Start: 2016.06.26 @ 15:24:31

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

37000 ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5400.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

| Length<br>ft | Description   | Volume<br>bbl |
|--------------|---------------|---------------|
| 1292.00      | MW, 15%M 85%W | 15.132        |

Total Length: 1292.00 ft      Total Volume: 15.132 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

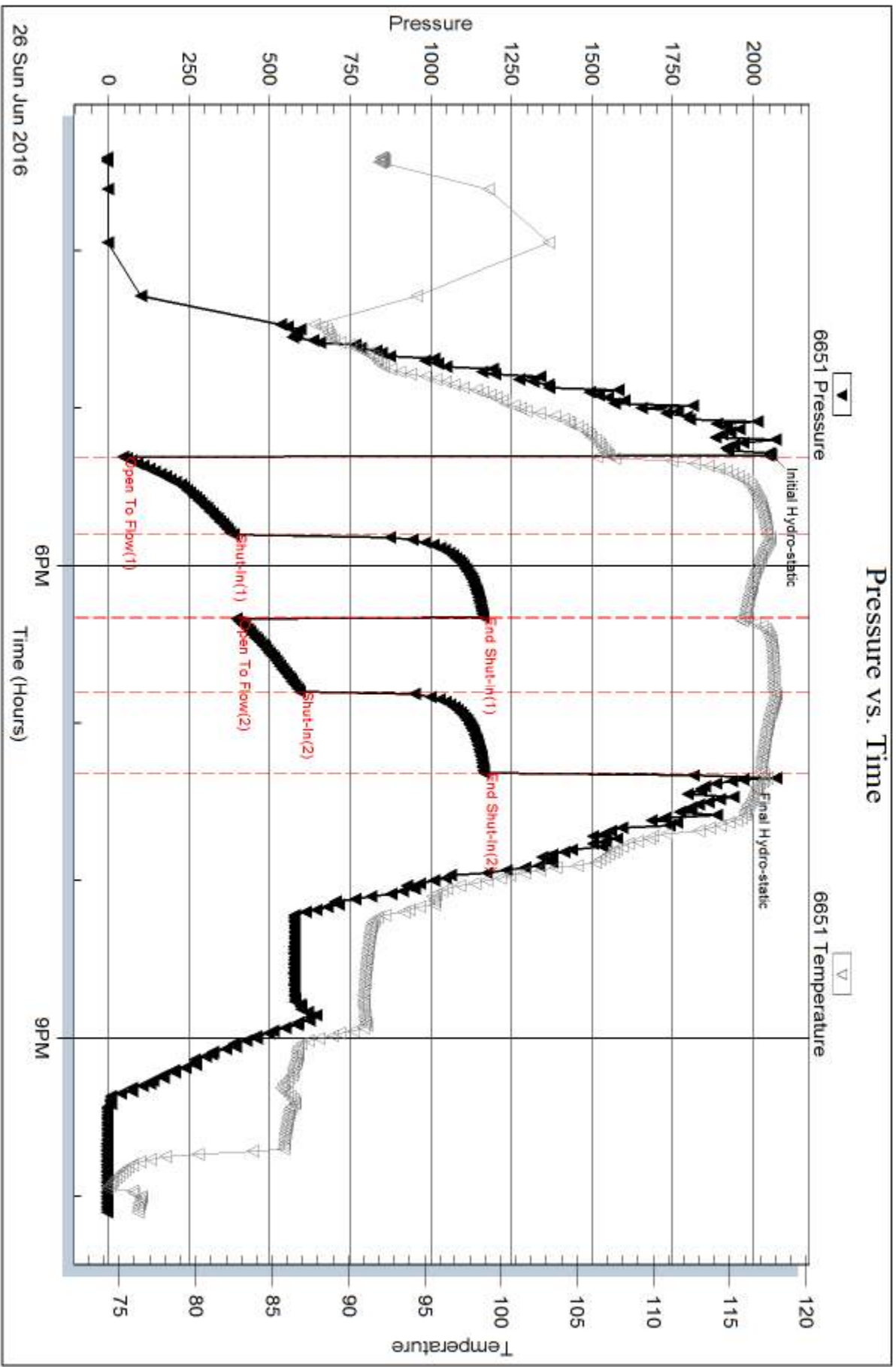
Serial #: 6651

Inside

Habit Petroleum, LLC

Schmedler #1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 58094

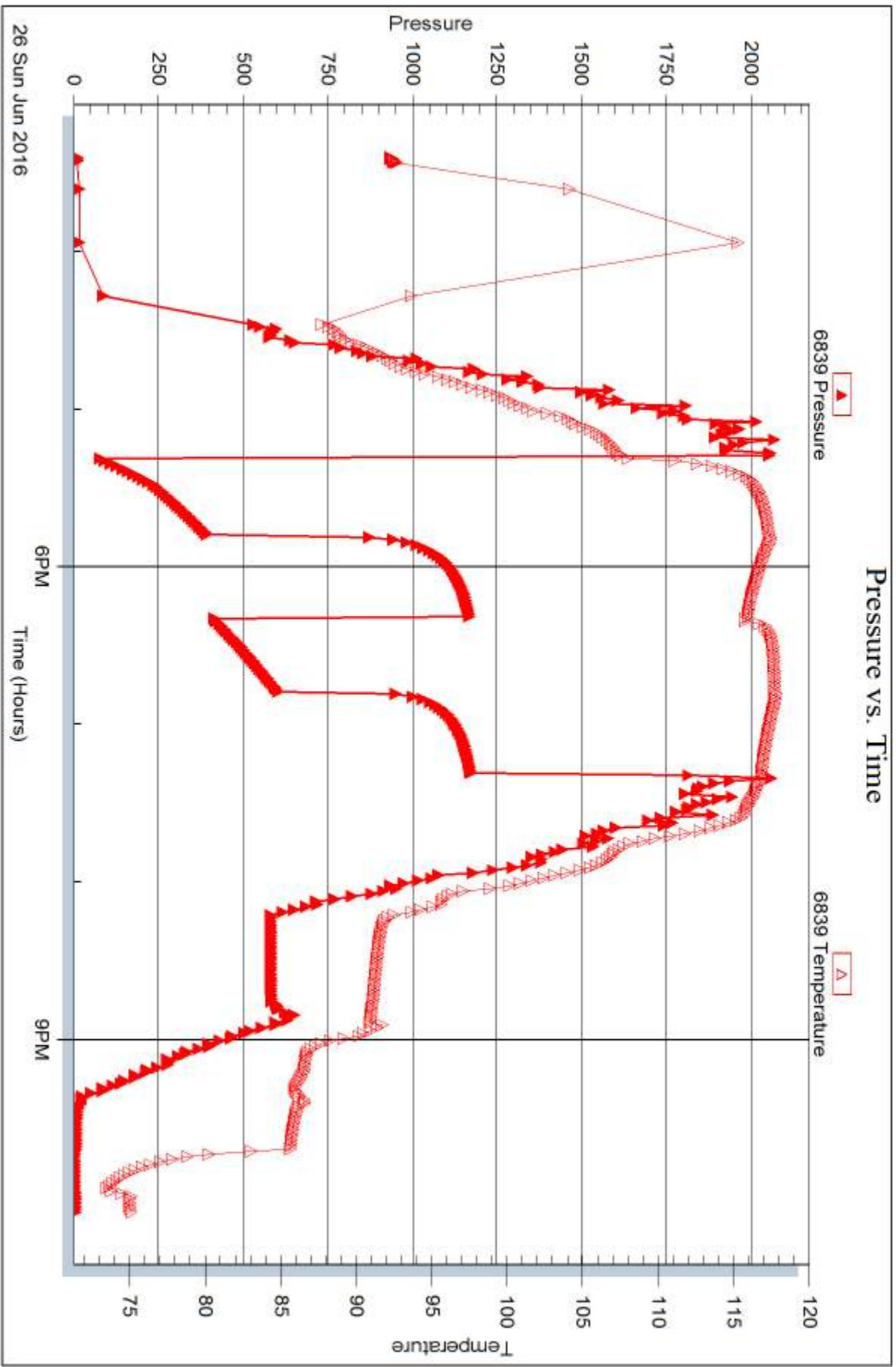
Printed: 2016.06.27 @ 11:57:36

Serial #: 6839

Outside Habit Petroleum, LLC

Schmedler #1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 58094

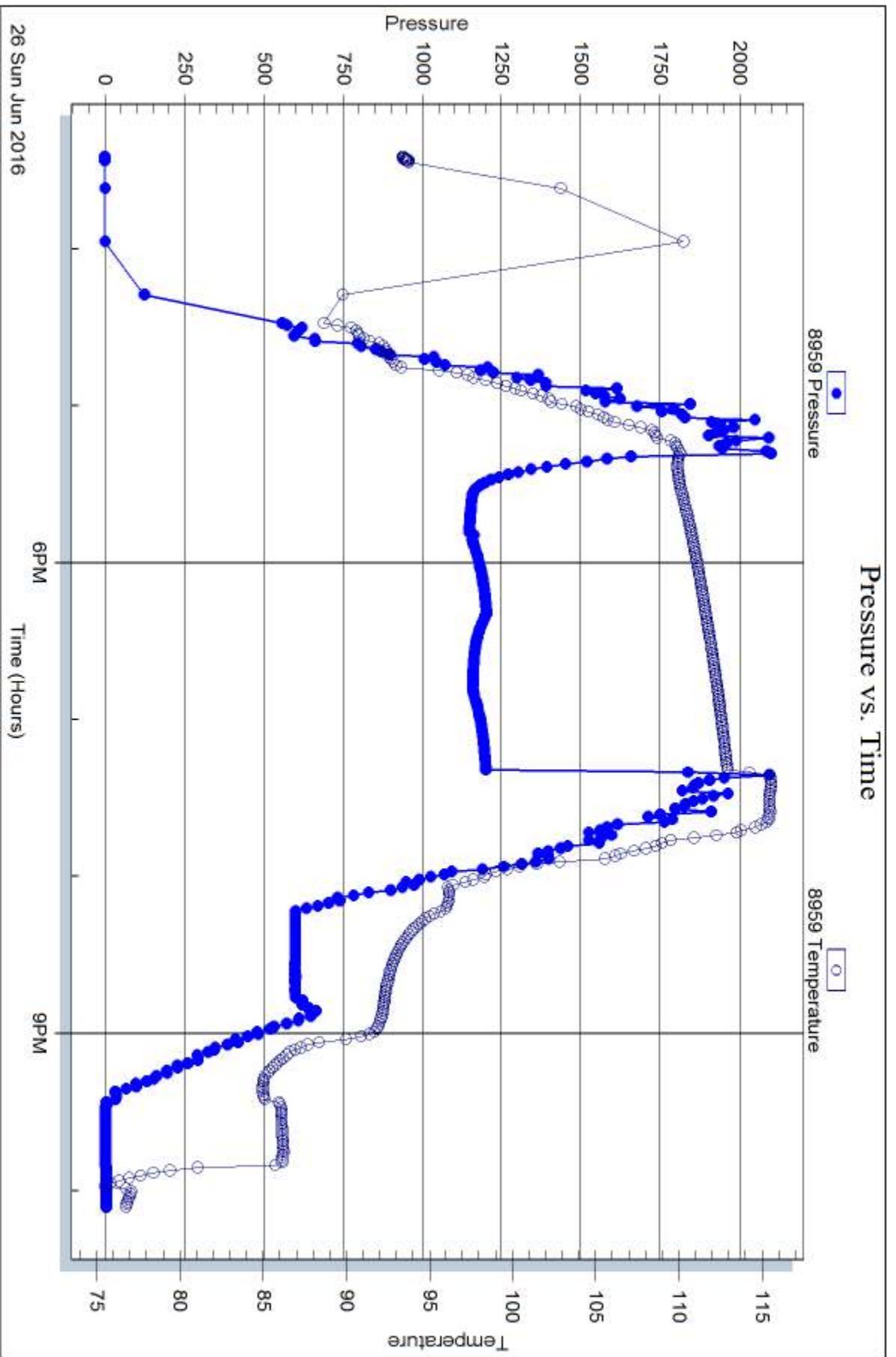
Printed: 2016.06.27 @ 11:57:36

Serial #: 8959

Below (Straddle) Petroleum, LLC

Schmedler #1

DST Test Number: 2

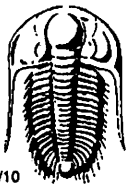


Trilobite Testing, Inc

Ref. No: 58094

Printed: 2016.06.27 @ 11:57:36





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 58093

Well Name & No. Schmeidler #1 Test No. 1 Date 6/25/16  
 Company Habit Petroleum LLC Elevation 2060 KB 2055 GL  
 Address 639 280<sup>th</sup> Ave. PO Box 243 Hays KS, 67601  
 Co. Rep / Geo. Duane Stecklein Rig Shields #2  
 Location: Sec. 3 Twp. 15 S Rge. 19 W Co. Ellis State KS

Interval Tested 3499-3574 Zone Tested LKC "H-J"  
 Anchor Length 75' Drill Pipe Run 3021 Mud Wt. 9.7  
 Top Packer Depth 3494 Drill Collars Run          Vis 65  
 Bottom Packer Depth 3499 Wt. Pipe Run 466 WL 7.4  
 Total Depth 3574 Chlorides 6,000 ppm System LCM 2<sup>#</sup>

Blow Description IF - Slowly built to 1 1/2"  
ISI - No blow  
FF - Slowly built to 1"  
PSI - No blow

| Rec       | Feet of                           | %gas | %oil | %water | %mud |
|-----------|-----------------------------------|------|------|--------|------|
| <u>60</u> | <u>Feet of M w/ few oil spots</u> |      |      |        |      |
| Rec       | Feet of                           | %gas | %oil | %water | %mud |
| Rec       | Feet of                           | %gas | %oil | %water | %mud |
| Rec       | Feet of                           | %gas | %oil | %water | %mud |

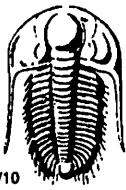
Rec Total 60' BHT 108° Gravity          API RW          @          °F Chlorides          ppm

|                                     |   |  |
|-------------------------------------|---|--|
| (A) Initial Hydrostatic <u>1861</u> | <input checked="" type="checkbox"/> Test <u>1050</u>        | T-On Location <u>1302</u>                                    |
| (B) First Initial Flow <u>17</u>    | <input type="checkbox"/> Jars <u>        </u>               | T-Started <u>1326</u>  |
| (C) First Final Flow <u>27</u>      | <input type="checkbox"/> Safety Joint <u>        </u>       | T-Open <u>1542</u>   |
| (D) Initial Shut-In <u>865</u>      | <input type="checkbox"/> Circ Sub <u>        </u>           | T-Pulled <u>1742</u>   |
| (E) Second Initial Flow <u>32</u>   | <input type="checkbox"/> Hourly Standby <u>        </u>     | T-Out <u>1915</u>  |
| (F) Second Final Flow <u>41</u>     | <input checked="" type="checkbox"/> Mileage <u>24 RT</u> 18 | Comments <u>        </u>                                     |
| (G) Final Shut-In <u>830</u>        | <input type="checkbox"/> Sampler <u>        </u>            |  |
| (H) Final Hydrostatic <u>1813</u>   | <input type="checkbox"/> Straddle <u>        </u>           | <input type="checkbox"/> Ruined Shale Packer <u>        </u> |

|                           |   |  |
|---------------------------|---|--|
| Initial Open <u>30</u>    | <input type="checkbox"/> Shale Packer <u>        </u>   | <input type="checkbox"/> Ruined Packer <u>        </u> |
| Initial Shut-In <u>30</u> | <input type="checkbox"/> Extra Packer <u>        </u>   | <input type="checkbox"/> Extra Copies <u>        </u>  |
| Final Flow <u>30</u>      | <input type="checkbox"/> Extra Recorder <u>        </u> | Sub Total <u>0</u>                                     |
| Final Shut-In <u>30</u>   | <input type="checkbox"/> Day Standby <u>        </u>    | Total <u>1068</u>                                      |
|                           | <input type="checkbox"/> Accessibility <u>        </u>  | MP/DST Disc't <u>        </u>                          |
|                           | Sub Total <u>1068</u>                                   |  |

Approved By          Our Representative Brannon Lonsdale

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

## Test Ticket

NO. 58094

Well Name & No. Schmeidler #1 Test No. 2 Date 6/26/16  
 Company Habit Petroleum, LLC Elevation 2066 KB 2071 GL  
 Address 639 280<sup>th</sup> Ave. PO Box 243 Hays, KS 67601  
 Co. Rep / Geo. Duane Stecklein Rig Shields #2  
 Location: Sec. 3 Twp. 15 S Rge. 19 W Co. Ellis State KS

Interval Tested 3670-3710 Zone Tested Arbuckle  
 Anchor Length 40' Tool-15' Drill Pipe Run 3211 Mud Wt. 9.6  
 Top Packer Depth 3665-3670 Drill Collars Run — Vis 62  
 Bottom Packer Depth 3710 Wt. Pipe Run 466 WL 7.6  
 Total Depth 3725 Chlorides 5400 ppm System LCM 1<sup>st</sup>

Blow Description IF - BOB 4mins  
ISI - No blow  
PF - BOB 5mins  
FSI - No blow

| Rec         | Feet of   | %gas | %oil | %water    | %mud      |
|-------------|-----------|------|------|-----------|-----------|
| <u>1292</u> | <u>MW</u> |      |      | <u>85</u> | <u>15</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 1292 BHT 117° Gravity \_\_\_\_\_ API RW .16 @ 77 ° F Chlorides 37,000 ppm  
 (A) Initial Hydrostatic 2055  Test 1050 T-On Location 1410  
 (B) First Initial Flow 46  Jars \_\_\_\_\_ T-Started 1524  
 (C) First Final Flow 388  Safety Joint \_\_\_\_\_ T-Open 1717  
 (D) Initial Shut-In 1163  Circ Sub \_\_\_\_\_ T-Pulled 1917  
 (E) Second Initial Flow 398  Hourly Standby \_\_\_\_\_ T-Out 2205  
 (F) Second Final Flow 594  Mileage 24 RT 18 Comments \_\_\_\_\_  
 (G) Final Shut-In 1166  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1969  Straddle 600  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer 250  Ruined Packer \_\_\_\_\_  
 Initial Open 30  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Shut-In 30  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Final Flow 30  Day Standby \_\_\_\_\_ Total 1918  
 Final Shut-In 30  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1918

Approved By \_\_\_\_\_ Our Representative Bryan Lunsdale

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.