



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Suema Exploration & Production LLC

**30/2s/27w Decatur KS**

555 N Carancahua STE 1230  
Corpus Christi TX 78401

**Cook #1-30**

Job Ticket: 65588

**DST#: 2**

ATTN: Larry Nicholson

Test Start: 2019.09.29 @ 12:48:00

## GENERAL INFORMATION:

Formation: **LKC "C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:38:45

Time Test Ended: 19:05:45

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 83

**Interval: 3623.00 ft (KB) To 3643.00 ft (KB) (TVD)**

Total Depth: 3643.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2640.00 ft (KB)

2635.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 8652 Outside**

Press@RunDepth: 374.69 psig @ 3624.00 ft (KB)

Start Date: 2019.09.29

End Date: 2019.09.29

Start Time: 12:48:05

End Time: 19:05:44

Capacity: 8000.00 psig

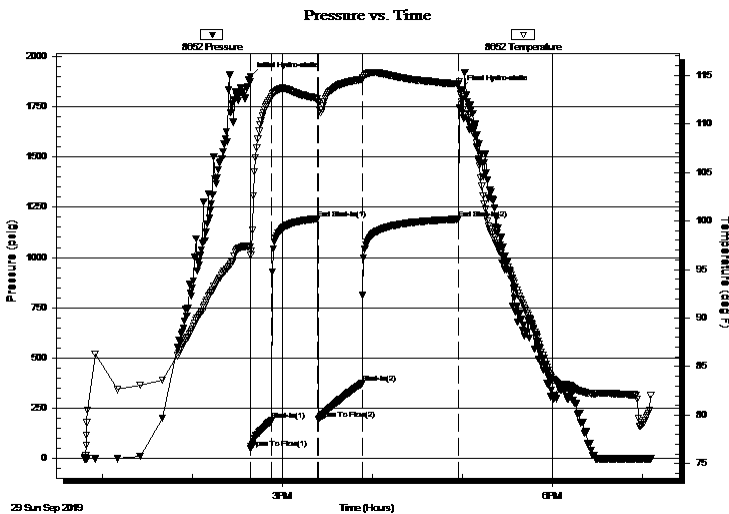
Last Calib.: 2019.09.29

Time On Btm: 2019.09.29 @ 14:38:30

Time Off Btm: 2019.09.29 @ 16:58:45

**TEST COMMENT:** 15 - IF: Blow built to BOB (11") at 5 3/4 min., built to 30"  
30 - IS: Weak surface blow back  
30 - FF: Blow built to BOB at 5 3/4 min., built to 51"  
60 - FS: Blow back built to 1/4"

## PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1899.01         | 97.36        | Initial Hydro-static |
| 1           | 50.36           | 96.48        | Open To Flow (1)     |
| 14          | 188.56          | 112.75       | Shut-In(1)           |
| 45          | 1192.52         | 112.60       | End Shut-In(1)       |
| 46          | 195.44          | 112.30       | Open To Flow (2)     |
| 75          | 374.69          | 114.57       | Shut-In(2)           |
| 139         | 1190.60         | 114.11       | End Shut-In(2)       |
| 141         | 1834.60         | 113.08       | Final Hydro-static   |

## Recovery

| Length (ft) | Description          | Volume (bbl) |
|-------------|----------------------|--------------|
| 375.00      | VSMCW 97%w, 3% m     | 3.62         |
| 250.00      | SMCW 90%w, 10% m     | 3.51         |
| 130.00      | MCW 71%w, 29% m      | 1.82         |
| 0.00        | Trace of oil in tool | 0.00         |
|             |                      |              |
|             |                      |              |

## Gas Rates

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

\* Recovery from multiple tests



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Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2640.00 ft (KB)

2635.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 6625**

Inside

Press@RunDepth: psig @ 3624.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.09.29

End Date: 2019.09.29

Last Calib.: 2019.09.29

Start Time: 12:48:05

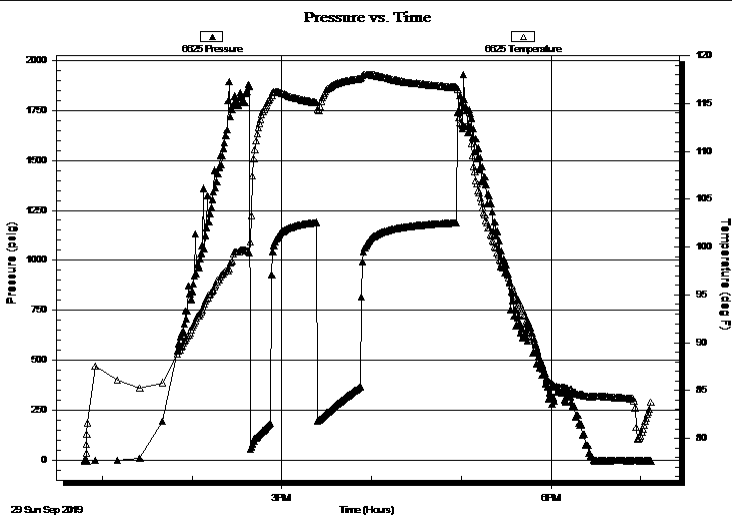
End Time: 19:06:44

Time On Btm:

Time Off Btm:

TEST COMMENT: 15 - IF: Blow built to BOB (11") at 5 3/4 min., built to 30"  
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### PRESSURE SUMMARY



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

### Recovery

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|-------------|----------------------|--------------|
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| 250.00      | SMCW 90%w, 10%m      | 3.51         |
| 130.00      | MCW 71%w, 29%m       | 1.82         |
| 0.00        | Trace of oil in tool | 0.00         |
|             |                      |              |
|             |                      |              |

### Gas Rates

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

\* Recovery from multiple tests



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TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Suemaour Exploration & Production LLC

**30/2s/27w Decatur KS**

555 N Carancahua STE 1230  
Corpus Christi TX 78401

**Cook #1-30**

Job Ticket: 65588

**DST#: 2**

ATTN: Larry Nicholson

Test Start: 2019.09.29 @ 12:48:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

36000 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.40 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: 2.00 inches

## Recovery Information

Recovery Table

| Length<br>ft | Description          | Volume<br>bbbl |
|--------------|----------------------|----------------|
| 375.00       | VSMCW 97%w , 3%m     | 3.621          |
| 250.00       | SMCW 90%w , 10%m     | 3.507          |
| 130.00       | MCW 71%w , 29%m      | 1.824          |
| 0.00         | Trace of oil in tool | 0.000          |

Total Length: 755.00 ft      Total Volume: 8.952 bbl

Num Fluid Samples: 0

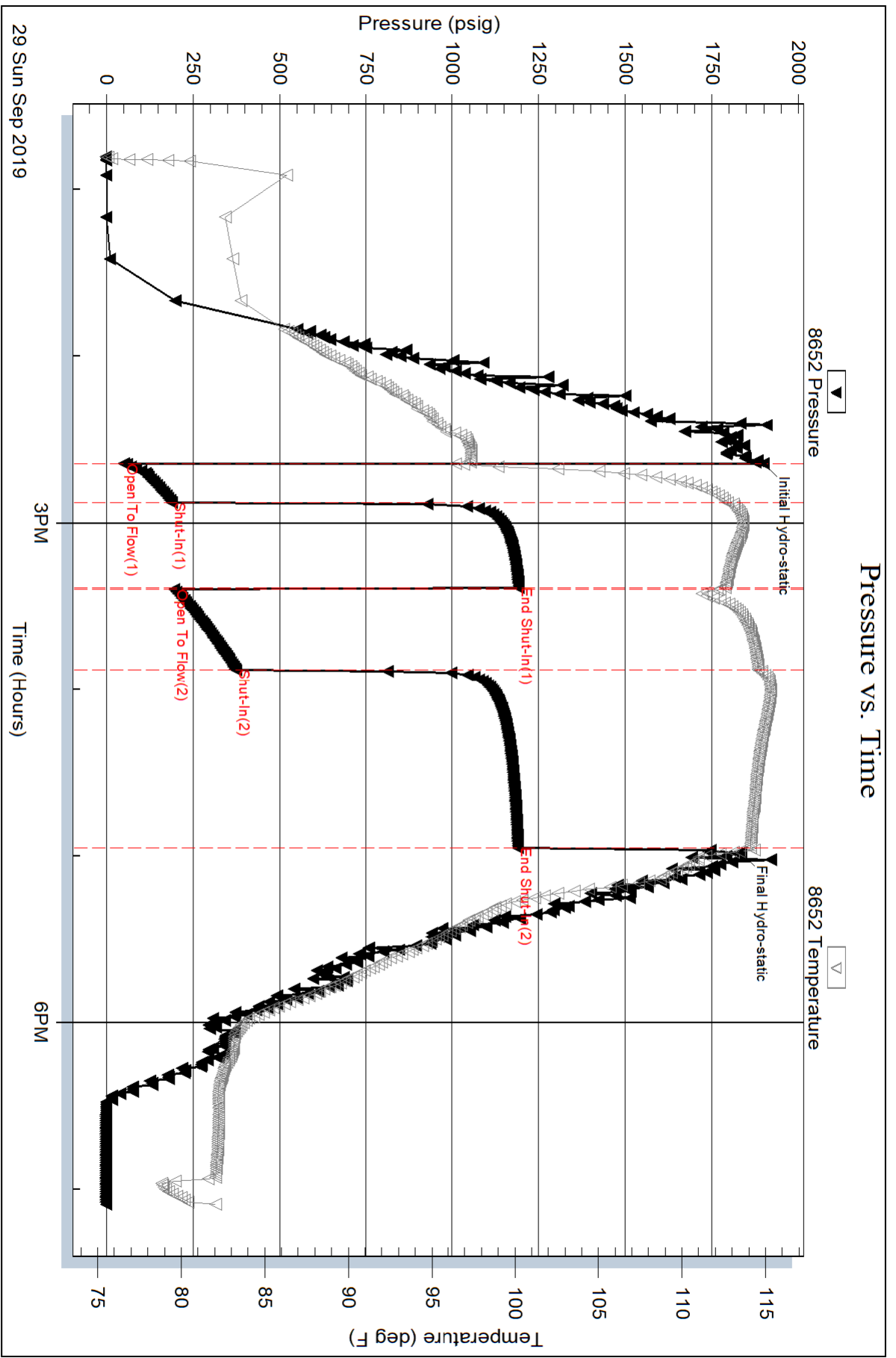
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW = .169 ohms @ 83.3 deg F Chlorides = 36,000 ppm



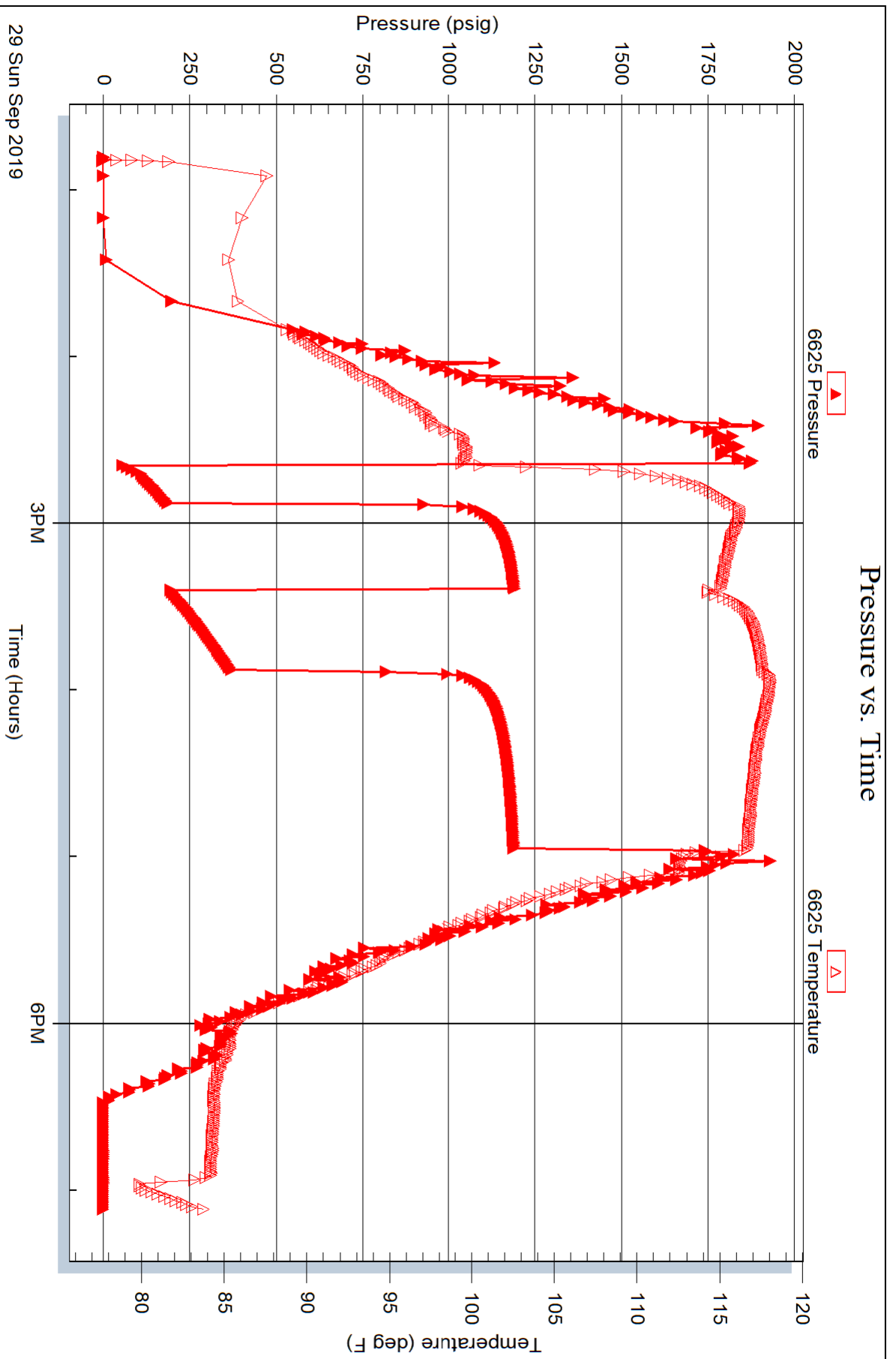
Serial #: 6625

Inside

Suenaar Exploration & Production LLC

Cook #1-30

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 65588

Printed: 2019.09.29 @ 20:19:42