

**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Berexco LLC  
 2020 N. Bramblewood  
 Wichita, KS 67206  
 ATTN: Bryan Bynog

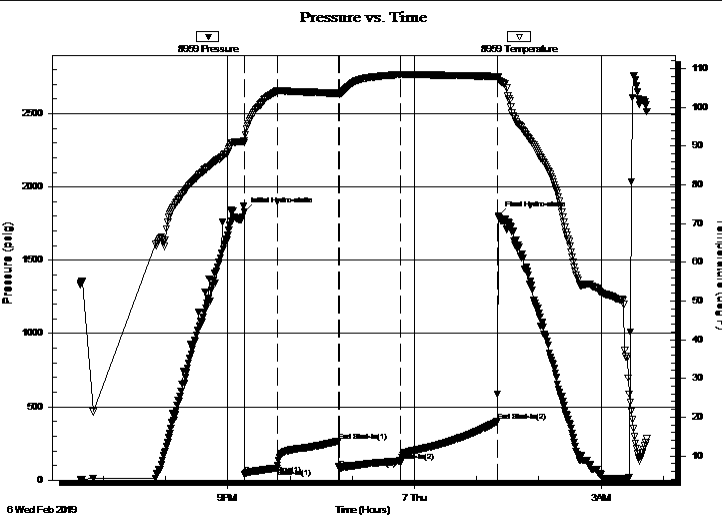
**4- 4S.-27W. Decatur, KS**  
**Sylvester #1**  
 Job Ticket: 65337 **DST#: 3**  
 Test Start: 2019.02.06 @ 18:38:00

## GENERAL INFORMATION:

Formation: **LKC " B "**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 21:16:10  
 Time Test Ended: 03:44:19  
 Interval: **3588.00 ft (KB) To 3620.00 ft (KB) (TVD)**  
 Total Depth: 3620.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Martine Salinas  
 Unit No: 82  
 Reference Elevations: 2682.00 ft (KB)  
 2674.00 ft (CF)  
 KB to GR/CF: 8.00 ft

**Serial #: 8959 Inside**  
 Press@RunDepth: 128.99 psig @ 3589.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2019.02.06 End Date: 2019.02.07 Last Calib.: 2019.02.07  
 Start Time: 18:38:01 End Time: 03:44:19 Time On Btm: 2019.02.06 @ 21:16:00  
 Time Off Btm: 2019.02.07 @ 01:20:50

**TEST COMMENT:** 30-IF-3/4" blow built to B.O.B (12 inches) @ 3 1/2 mins ( blow increased to 166")  
 60-ISI-S.blow back built to 5 1/2"  
 60-FF-S.blow built to B.O.B (12 inches) @ 4 1/2 mins ( blow increased to 146")  
 90-FSI-S.blow back built to 11 1/4"



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1829.62	91.45	Initial Hydro-static
1	39.12	90.80	Open To Flow (1)
32	78.85	104.14	Shut-In(1)
91	265.42	103.67	End Shut-In(1)
92	81.03	103.46	Open To Flow (2)
151	128.99	108.42	Shut-In(2)
244	400.33	107.93	End Shut-In(2)
245	1800.25	107.92	Final Hydro-static

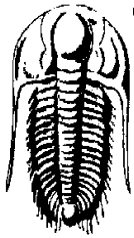
## Recovery

Length (ft)	Description	Volume (bbl)
126.00	GHOCM 22%G, 30%O, 43%M	1.26
150.00	CGO 20%G, 80%O	2.10
0.00	2950 GIP	0.00

## Gas Rates

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

\* Recovery from multiple tests



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**4- 4S.-27W. Decatur, KS**

**Sylvester #1**

Job Ticket: 65337

**DST#: 3**

Test Start: 2019.02.06 @ 18:38:00

### GENERAL INFORMATION:

Formation: **LKC " B "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:16:10

Time Test Ended: 03:44:19

Test Type: Conventional Bottom Hole (Reset)

Tester: Martine Salinas

Unit No: 82

**Interval: 3588.00 ft (KB) To 3620.00 ft (KB) (TVD)**

Total Depth: 3620.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2682.00 ft (KB)

2674.00 ft (CF)

KB to GR/CF: 8.00 ft

**Serial #: 8734 Outside**

Press@RunDepth: psig @ 3589.00 ft (KB)

Start Date: 2019.02.06

End Date: 2019.02.07

Start Time: 18:38:01

End Time: 03:44:19

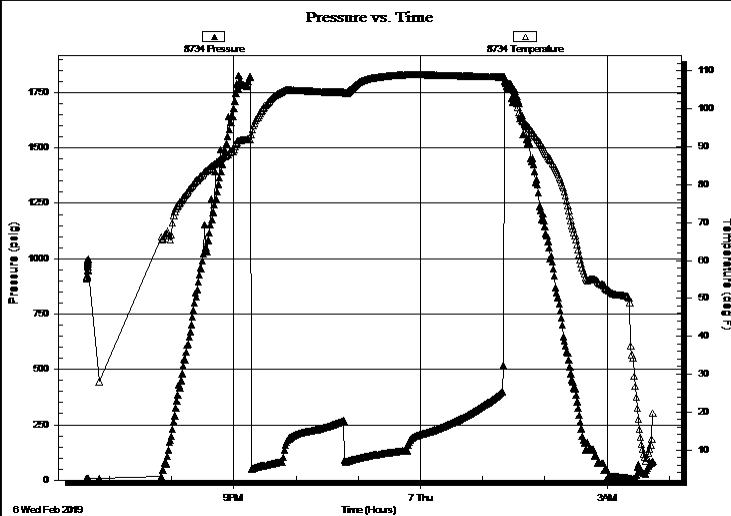
Capacity: 8000.00 psig

Last Calib.: 2019.02.07

Time On Btm:

Time Off Btm:

**TEST COMMENT:** 30-IF-3/4" blow built to B.O.B (12 inches) @ 3 1/2 mins ( blow increased to 166")  
60-ISI-S.blow back built to 5 1/2"  
60-FF-S.blow built to B.O.B (12 inches) @ 4 1/2 mins ( blow increased to 146")  
90-FSI-S.blow back built to 11 1/4"



### PRESSURE SUMMARY

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

### Recovery

Length (ft)	Description	Volume (bbl)
126.00	GHOCM 22%G, 30%O, 43%M	1.26
150.00	CGO 20%G, 80%O	2.10
0.00	2950 GIP	0.00

### Gas Rates

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

\* Recovery from multiple tests



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# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Berexco LLC  
2020 N. Bramblewood  
Wichita, KS 67206  
ATTN: Bryan Bynog

**4- 4S.-27W. Decatur, KS**  
**Sylvester #1**  
Job Ticket: 65337      **DST#: 3**  
Test Start: 2019.02.06 @ 18:38:00

## Mud and Cushion Information

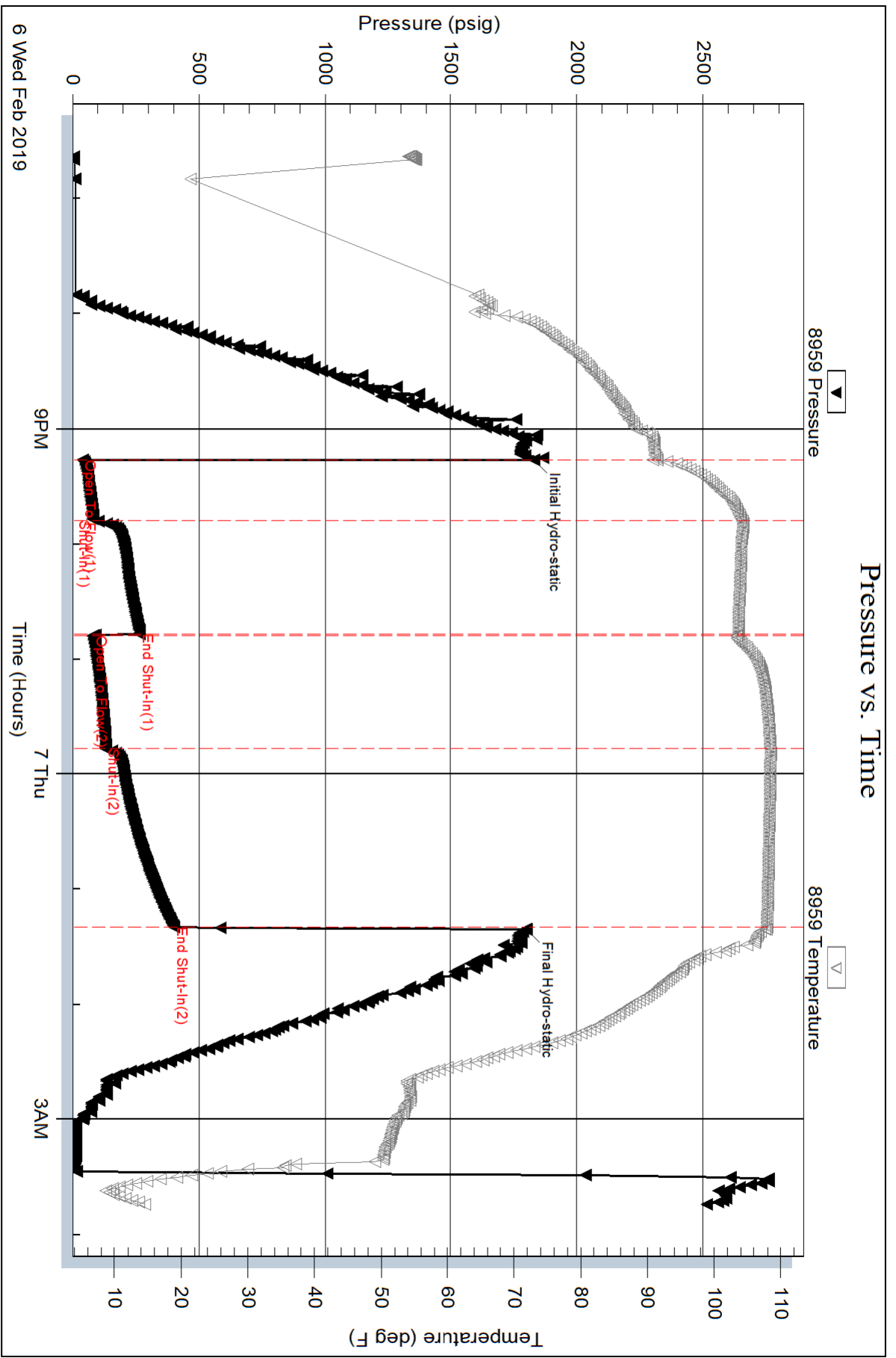
Mud Type: Gel Chem	Cushion Type:	Oil API: 39.4 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 69.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.40 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 2400.00 ppm		
Filter Cake: 2.00 inches		

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
126.00	GHOCM 22%G, 30%O, 43%M	1.257
150.00	CGO 20%G, 80%O	2.104
0.00	2950 GIP	0.000

Total Length: 276.00 ft      Total Volume: 3.361 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments: Gravity of oil = 38.2 @ 42 degs  
Gravity corrected to 39.4 @ 60 degs



Serial #: 8734

Outside Berexco LLC

Sylvester #1

DST Test Number: 3

