



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Berexco LLC

**12/25/37W Cheyenne KS**

2020 N Bramblewood  
Wichita KS 67206

**Bud #1-12**

Job Ticket: 65361

**DST#: 4**

ATTN: Bryan Bynog

Test Start: 2019.04.17 @ 22:25:00

## GENERAL INFORMATION:

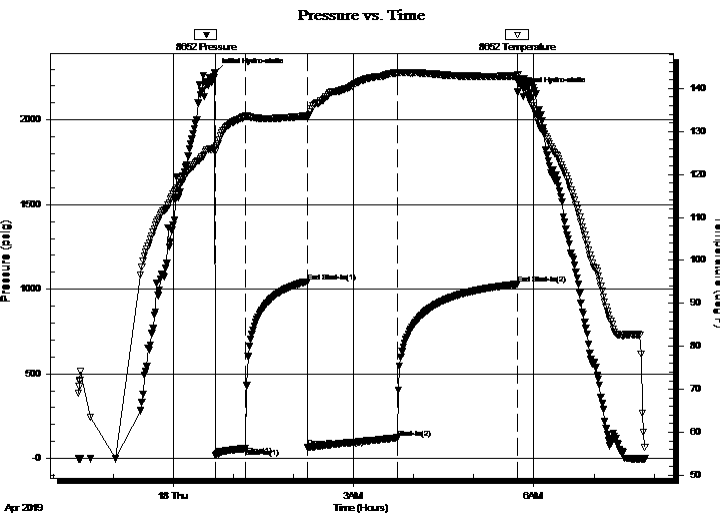
Formation: **LKC "D"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 00:41:45  
 Time Test Ended: 07:51:00  
 Interval: **4454.00 ft (KB) To 4515.00 ft (KB) (TVD)**  
 Total Depth: 4515.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: James Winder/Shaw n W  
 Unit No: 83  
 Reference Elevations: 3397.00 ft (KB)  
 3389.00 ft (CF)  
 KB to GR/CF: 8.00 ft

## Serial #: 8652

Outside

Press@RunDepth: 121.01 psig @ 4455.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2019.04.17 End Date: 2019.04.18 Last Calib.: 2019.04.18  
 Start Time: 22:25:05 End Time: 07:51:00 Time On Btm: 2019.04.18 @ 00:41:15  
 Time Off Btm: 2019.04.18 @ 05:44:00

TEST COMMENT: 30-IF-1/4" of blow @ open built to 5 3/4"  
 60-ISI-No blow back  
 90-FF-Blow built to 9"  
 120-FSI-No blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2280.87	126.23	Initial Hydro-static
1	18.29	125.36	Open To Flow (1)
31	60.60	133.54	Shut-In(1)
92	1044.22	133.58	End Shut-In(1)
93	63.83	133.12	Open To Flow (2)
182	121.01	143.59	Shut-In(2)
303	1029.50	142.88	End Shut-In(2)
303	2165.03	143.11	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
62.00	HMCO W/Trace oil 61%W, 39%M	0.30
63.00	VSO/WCM 77%M, 17%W, 4%G, 2%O	0.88
95.00	VSO CM 92%M, 4%O, 4%G	1.33

\* Recovery from multiple tests

## Gas Rates

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



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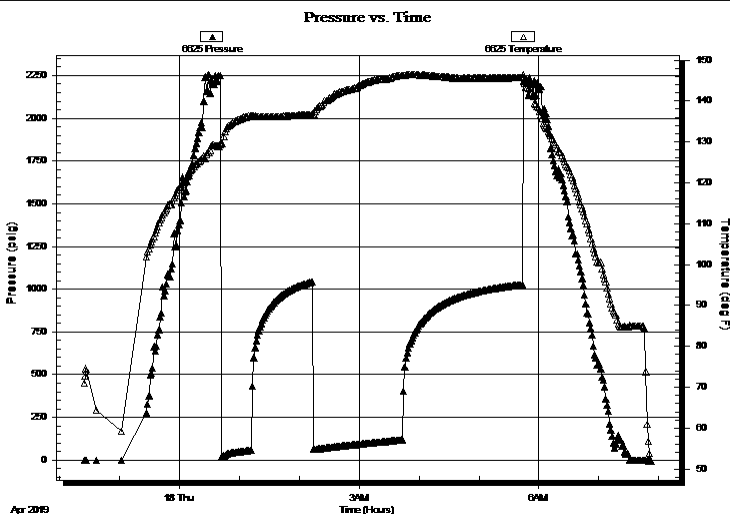
**12/25/37W Cheyenne KS**  
**Bud #1-12**  
Job Ticket: 65361      **DST#: 4**  
Test Start: 2019.04.17 @ 22:25:00

## GENERAL INFORMATION:

Formation: **LKC "D"**  
Deviated: No Whipstock:                               ft (KB)      Test Type: Conventional Bottom Hole (Reset)  
Time Tool Opened: 00:41:45      Tester: James Winder/Shaw n W  
Time Test Ended: 07:51:00      Unit No: 83  
**Interval: 4454.00 ft (KB) To 4515.00 ft (KB) (TVD)**      Reference Elevations: 3397.00 ft (KB)  
Total Depth: 4515.00 ft (KB) (TVD)      3389.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: Fair      KB to GR/CF: 8.00 ft

**Serial #: 6625      Inside**  
Press@RunDepth:                               psig @ 4455.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2019.04.17      End Date: 2019.04.18      Last Calib.: 2019.04.18  
Start Time: 22:25:05      End Time: 07:52:00      Time On Btm:  
Time Off Btm:

TEST COMMENT: 30-IF-1/4" of blow @ open built to 5 3/4"  
60-ISI-No blow back  
90-FF-Blow built to 9"  
120-FSI-No blow



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
62.00	HMCO W/Trace oil 61%W, 39%M	0.30
63.00	VSO/WCM 77%M, 17%W, 4%G, 2%O	0.88
95.00	VSOCM 92%M, 4%O, 4%G	1.33

## Gas Rates

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

\* Recovery from multiple tests



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## FLUID SUMMARY

Berexco LLC

**12/25/37W Cheyenne KS**

2020 N Bramblewood  
Wichita KS 67206

**Bud #1-12**

Job Ticket: 65361

**DST#: 4**

ATTN: Bryan Bynog

Test Start: 2019.04.17 @ 22:25:00

### 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:

23000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 2.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	HMCO W/Trace oil 61%W, 39%M	0.305
63.00	VSO/WCM 77%M, 17%W, 4%G, 2%O	0.884
95.00	VSOCM 92%M, 4%O, 4%G	1.333

Total Length: 220.00 ft      Total Volume: 2.522 bbl

Num Fluid Samples: 0

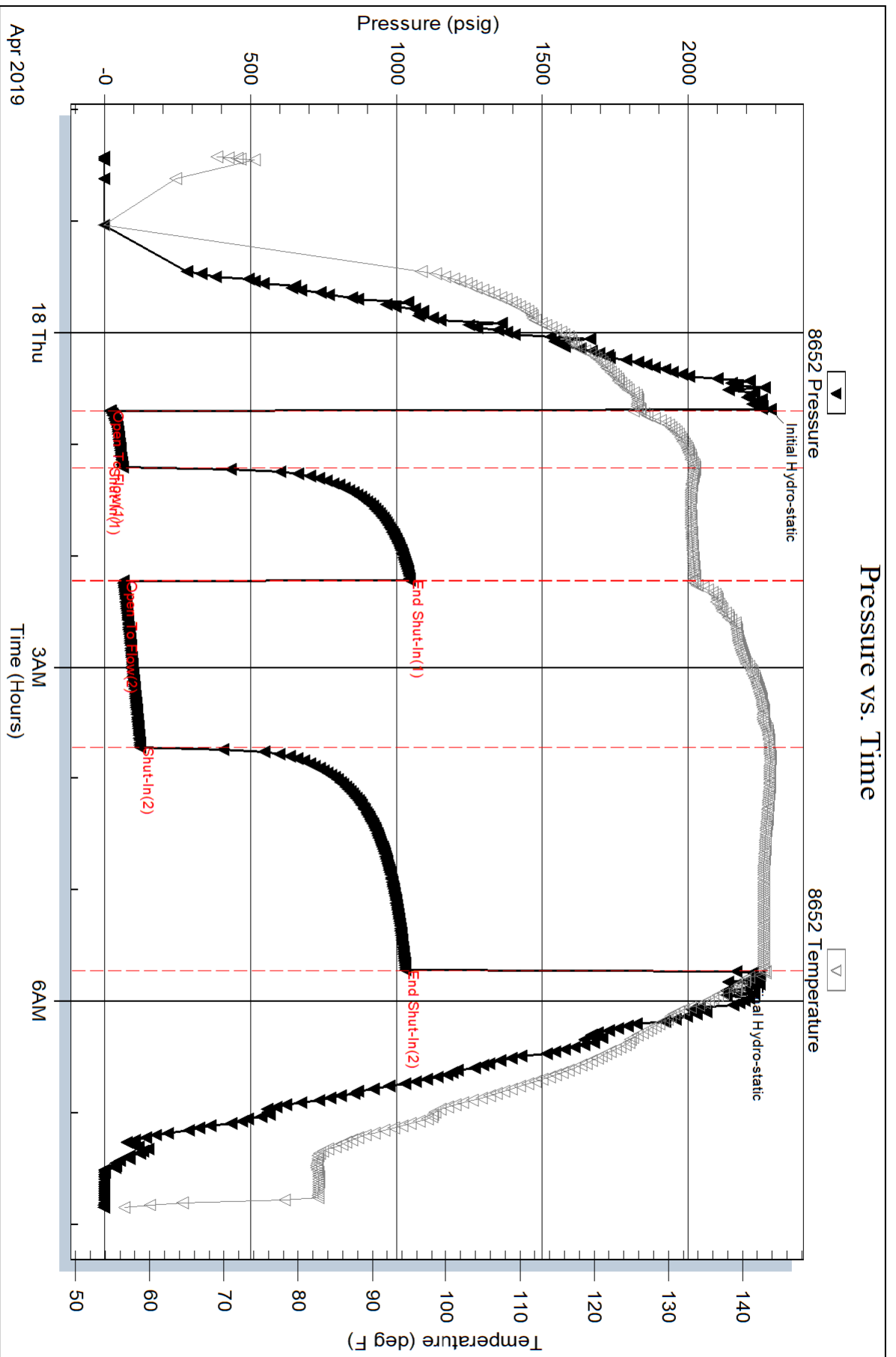
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .525@42.3 DEG F Chlorides = 23,000 ppm



Serial #: 6625

Inside

Berexco LLC

Bud #1-12

DST Test Number: 4

