



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Berexco LLC  
2020 N Bramblewood  
Wichita, KS 67206  
ATTN: Ed Grieves

**19/21/35 Kearny, KS**  
**Kysar 1-19**  
Job Ticket: 64074      **DST#: 2**  
Test Start: 2019.05.13 @ 17:18:00

## GENERAL INFORMATION:

Formation: **Lower Pawnee**  
Deviated: No    Whipstock: 3204.00 ft (KB)  
Time Tool Opened: 20:24:25  
Time Test Ended: 03:52:40  
Interval: **4605.00 ft (KB) To 4625.00 ft (KB) (TVD)**  
Total Depth: 4625.00 ft (KB) (TVD)  
Hole Diameter: 7.80 inches    Hole Condition: Good  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Chris Hagman  
Unit No: 75  
Reference Elevations: 3203.00 ft (KB)  
3192.00 ft (CF)  
KB to GR/CF: 11.00 ft

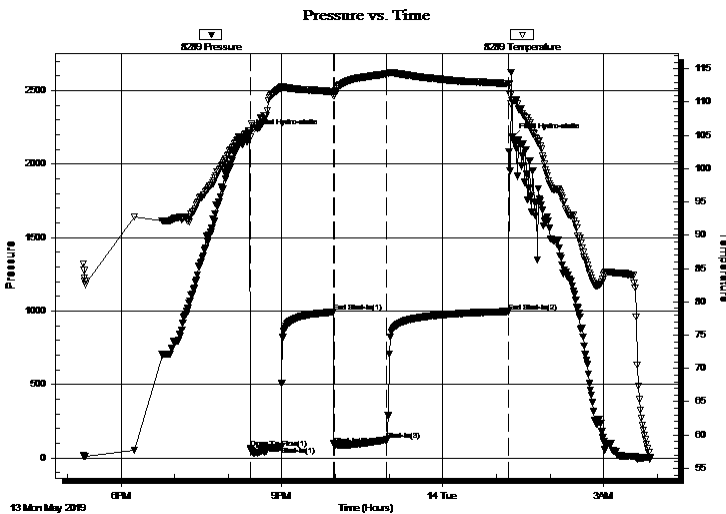
## Serial #: 8289

Inside

Press@RunDepth: 77.68 psig @ 4607.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2019.05.13    End Date: 2019.05.14    Last Calib.: 1899.12.30  
Start Time: 17:18:02    End Time: 03:52:40    Time On Btm: 2019.05.13 @ 20:24:05  
Time Off Btm: 2019.05.14 @ 01:17:50

TEST COMMENT: IF: Strong building blow , 8.3 inches  
IS: No blow back  
FF: Strong building blow , 8.8 inches  
FS: No blow back

## PRESSURE SUMMARY



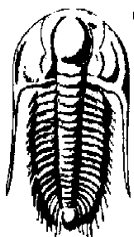
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2202.58	105.64	Initial Hydro-static
1	63.13	104.74	Open To Flow (1)
35	77.68	112.12	Shut-In(1)
94	993.10	111.57	End Shut-In(1)
95	87.78	111.08	Shut-In(2)
154	124.00	114.23	Shut-In(3)
290	995.10	112.77	End Shut-In(2)
294	2179.78	110.18	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
180.00	muddy water 90%W, 10%M	2.52

## Gas Rates

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



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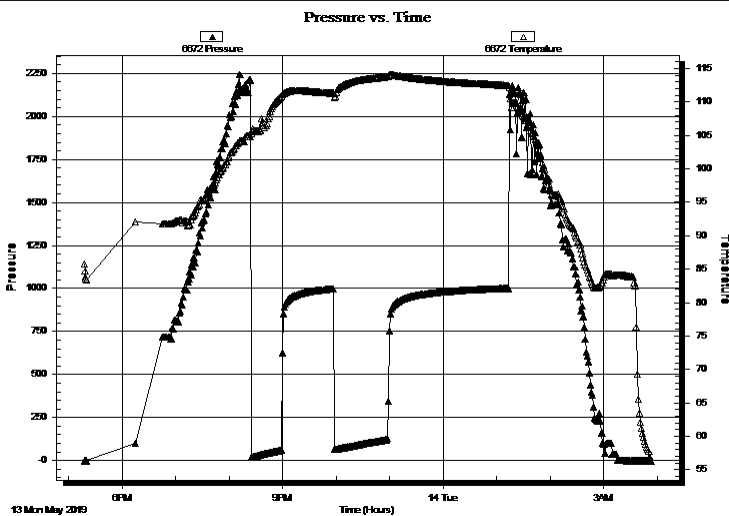
Interval: **4605.00 ft (KB) To 4625.00 ft (KB) (TVD)**  
Total Depth: 4625.00 ft (KB) (TVD)  
Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 3203.00 ft (KB)  
3192.00 ft (CF)  
KB to GR/CF: 11.00 ft

**Serial #: 6672      Outside**

Press@RunDepth:                      psig @ 4607.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2019.05.13      End Date: 2019.05.14      Last Calib.: 1899.12.30  
Start Time: 17:18:02      End Time: 03:52:49      Time On Btm:  
Time Off Btm:

TEST COMMENT: IF: Strong building blow , 8.3 inches  
IS: No blow back  
FF: Strong building blow , 8.8 inches  
FS: No blow back



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
180.00	muddy w ater 90%W, 10%M	2.52

## Gas Rates

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



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## FLUID SUMMARY

Berexco LLC

19/21/35 Kearny,KS

2020 N Bramblewood  
Wichita, KS 67206

**Kysar 1-19**

Job Ticket: 64074

**DST#: 2**

ATTN: Ed Grieves

Test Start: 2019.05.13 @ 17:18:00

### 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:

96000 ppm

Viscosity: 65.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.60 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	muddy water 90%W, 10%M	2.525

Total Length: 180.00 ft      Total Volume: 2.525 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW=.082@70F=96000ppm

