



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Berexco LLC

**17/22S/22W-Hodgeman**

2020 N. Bramblewood  
Wichita, KS 67206

**Douglas #1X**

Job Ticket: 44226

**DST#: 1**

ATTN: Mac Armstrong

Test Start: 2011.12.14 @ 08:20:30

## GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:37:00

Time Test Ended: 20:25:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Rash

Unit No: 38

**Interval: 4402.00 ft (KB) To 4468.00 ft (KB) (TVD)**

Reference Elevations: 2246.00 ft (KB)

Total Depth: 4468.00 ft (KB) (TVD)

2233.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

**Serial #: 8354 Inside**

Press @ Run Depth: 963.53 psig @ 4441.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.12.14

End Date:

2011.12.14

Last Calib.:

2011.12.14

Start Time: 08:30:30

End Time:

20:25:30

Time On Btm:

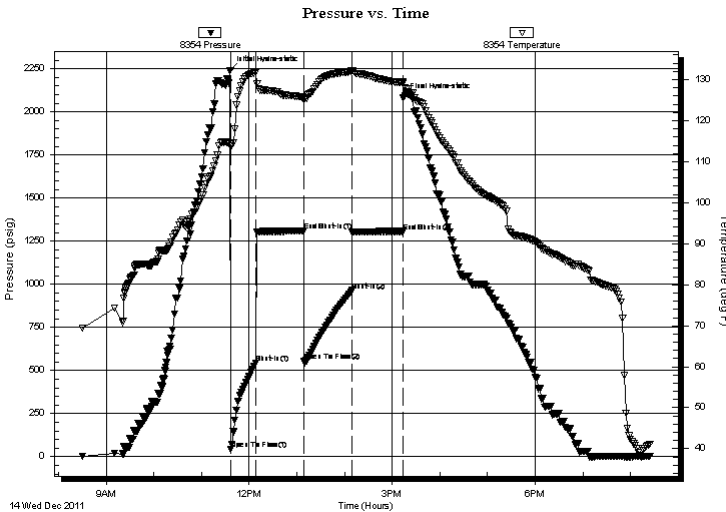
2011.12.14 @ 11:36:00

Time Off Btm:

2011.12.14 @ 15:14:00

**TEST COMMENT:** IF-Strong building blow . BOB in 4 minutes 15 seconds.  
 IS-Weak surface return for 6 minutes 30 seconds.  
 FF-Strong building blow . BOB in 5 minutes.  
 FSI-Return @ 2 minutes. Built to 1&1/2 inches.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2240.45	114.46	Initial Hydro-static
1	41.46	113.93	Open To Flow (1)
32	543.61	131.66	Shut-In(1)
93	1310.07	125.64	End Shut-In(1)
94	555.78	125.20	Open To Flow (2)
154	963.53	132.15	Shut-In(2)
218	1306.68	129.17	End Shut-In(2)
218	2082.88	129.44	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1000.00	90%Water/10%Mud	8.31
651.00	10%Gas/10%Oil/50%Water/30%Mud	9.13
445.00	10%Gas/10%Oil/40%Water/40%Mud	6.24
50.00	100%Oil	0.70

## Gas Rates

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





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**FLUID SUMMARY**

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## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 39 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 43000 ppm
Viscosity: 44.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.59 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: 0.31 ohm.m	Gas Cushion Pressure: psig	
Salinity: 10200.00 ppm		
Filter Cake: inches		

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1000.00	90%Water/10%Mud	8.307
651.00	10%Gas/10%Oil/50%Water/30%Mud	9.132
445.00	10%Gas/10%Oil/40%Water/40%Mud	6.242
50.00	100%Oil	0.701

Total Length: 2146.00 ft      Total Volume: 24.382 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8354

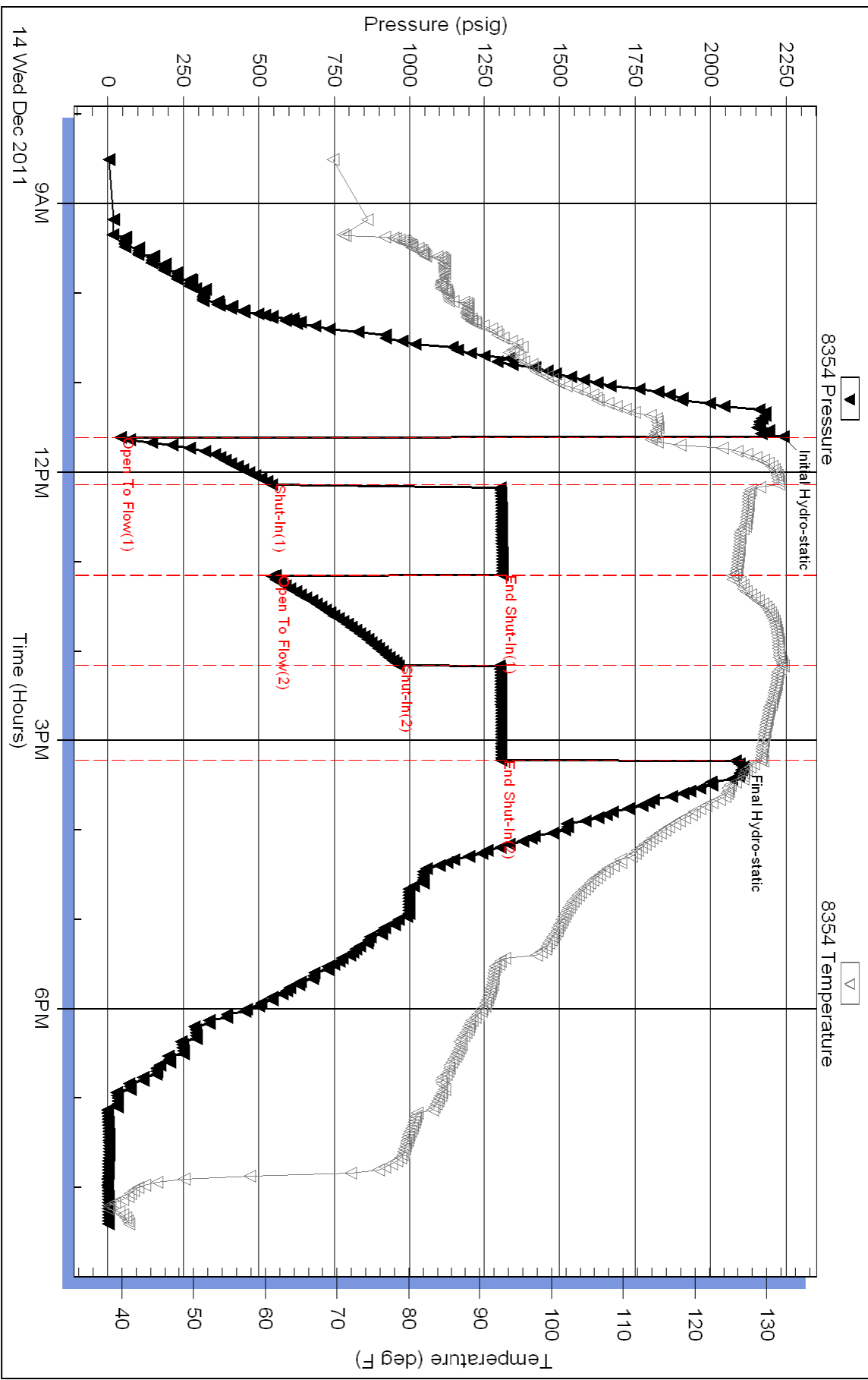
Inside

Berexco LLC

Douglas #1X

DST Test Number: 1

### Pressure vs. Time



Triobite Testing, Inc

Ref. No: 44226

Printed: 2011.12.15 @ 08:08:02

Serial #: 8520

Outside Berexco LLC

Douglas #1X

DST Test Number: 1

