



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Stewart Producers, Inc.

**8-18S-24W Ness, KS**

301 N. 27th St.  
PO Box 546  
Mt. Vernon, IL 62864  
ATTN: Aaron Young

**Sutton #3**

Job Ticket: 63282

**DST#: 2**

Test Start: 2017.07.22 @ 08:45:30

## GENERAL INFORMATION:

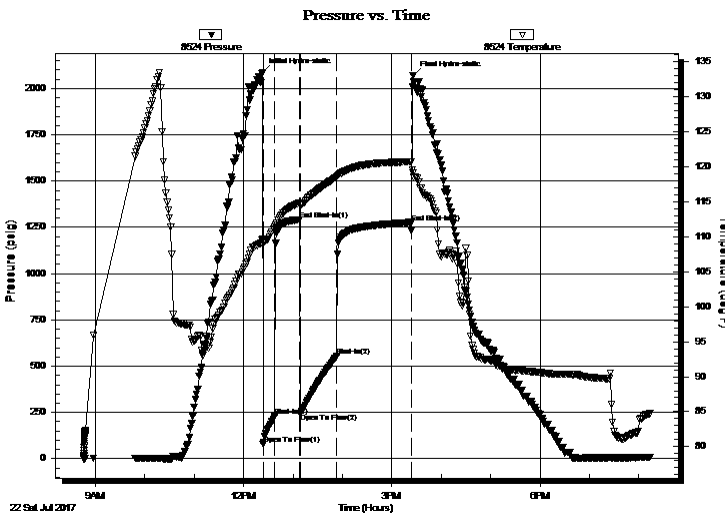
Formation: **Miss**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 12:23:21  
 Time Test Ended: 20:13:20  
 Interval: **4257.00 ft (KB) To 4330.00 ft (KB) (TVD)**  
 Total Depth: 4330.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Brannan Lonsdale  
 Unit No: 73  
 Reference Elevations: 2316.00 ft (KB)  
 2309.00 ft (CF)  
 KB to GR/CF: 7.00 ft

**Serial #: 8524 Outside**

Press@RunDepth: 553.67 psig @ 4264.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2017.07.22 End Date: 2017.07.22 Last Calib.: 2017.07.22  
 Start Time: 08:45:31 End Time: 20:13:20 Time On Btm: 2017.07.22 @ 12:22:51  
 Time Off Btm: 2017.07.22 @ 15:25:51

TEST COMMENT: 15- IF- BOB 3mins  
 30- IS- Slowly built to 3"  
 45- FF- BOB 2mins  
 90- FSI- .25" blow died in 35mins

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2086.76	109.70	Initial Hydro-static
1	77.38	109.28	Open To Flow (1)
15	229.19	111.45	Shut-In(1)
45	1292.29	114.82	End Shut-In(1)
46	243.89	114.57	Open To Flow (2)
91	553.67	118.54	Shut-In(2)
181	1276.13	120.69	End Shut-In(2)
183	2068.54	119.13	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
183.00	GOCM, 20%G 15%O 65%M	1.48
1174.00	GMCO, 25%G 65%O 10%M	16.64
0.00	285' GIP	0.00

\* Recovery from multiple tests

## Gas Rates

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



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## GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:23:21

Time Test Ended: 20:13:20

Test Type: Conventional Bottom Hole (Reset)

Tester: Brannan Lonsdale

Unit No: 73

**Interval: 4257.00 ft (KB) To 4330.00 ft (KB) (TVD)**

Reference Elevations: 2316.00 ft (KB)

Total Depth: 4330.00 ft (KB) (TVD)

2309.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

**Serial #: 6838 Inside**

Press@RunDepth: psig @ 4264.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.07.22 End Date: 2017.07.22

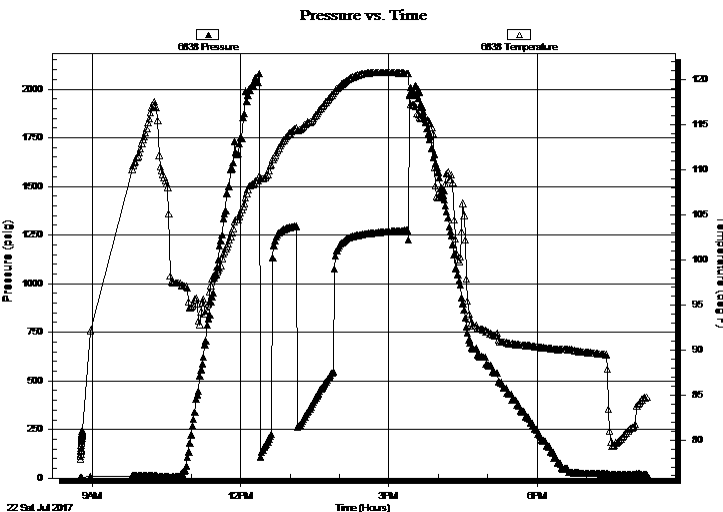
Last Calib.: 2017.07.22

Start Time: 08:45:32 End Time: 20:13:21

Time On Btm:

Time Off Btm:

**TEST COMMENT:** 15- IF- BOB 3mins  
30- ISL- Slowly built to 3"  
45- FF- BOB 2mins  
90- FSI- .25" blow died in 35mins



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
183.00	GOCM, 20%G 15%O 65%M	1.48
1174.00	GMCO, 25%G 65%O 10%M	16.64
0.00	285' GIP	0.00

\* Recovery from multiple tests

## Gas Rates

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



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**FLUID SUMMARY**

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**8-18S-24W Ness, KS**

301 N. 27th St.  
PO Box 546  
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ATTN: Aaron Young

**Sutton #3**

Job Ticket: 63282

**DST#: 2**

Test Start: 2017.07.22 @ 08:45:30

## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 48.00 sec/qt  
Water Loss: 7.98 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 3700.00 ppm  
Filter Cake: inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: 33 deg API  
Water Salinity: ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
183.00	GOCM, 20%G 15%O 65%M	1.483
1174.00	GMCO, 25%G 65%O 10%M	16.642
0.00	285' GIP	0.000

Total Length: 1357.00 ft      Total Volume: 18.125 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

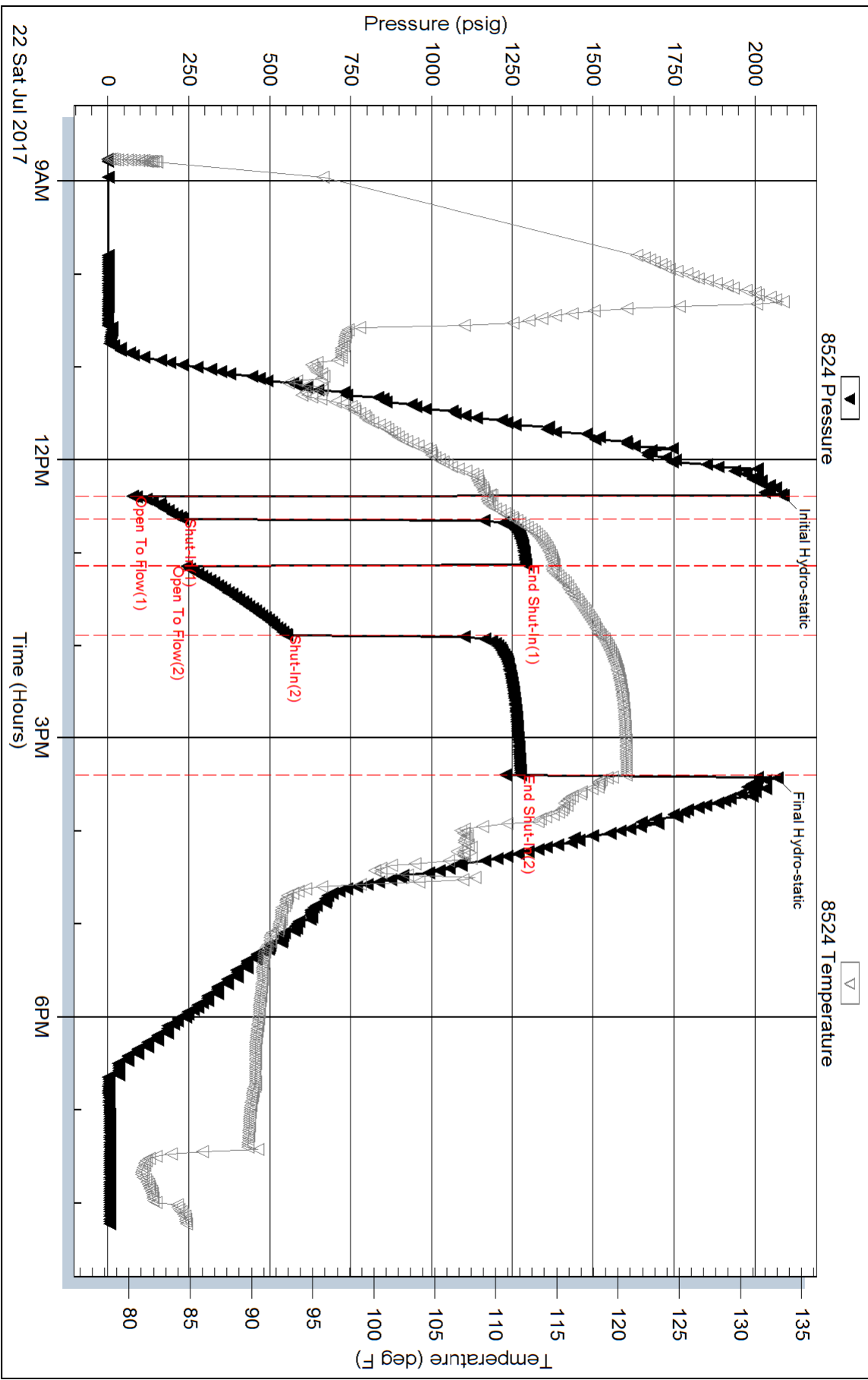
Serial #: 8524

Outside Stew art Producers, Inc.

Sutton #3

DST Test Number: 2

### Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 63282

Printed: 2017.07.23 @ 02:33:37

Serial #: 6838

Inside

Stewart Producers, Inc.

Sutton #3

DST Test Number: 2

