



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Dixon Operating Corporation LLC

**4/23S/12W/Stafford**

8100 E 22nd St North  
Building 300 Suite 200  
Wichita, Kansas 67226  
ATTN: Chuck Schmalz

**Alpers #1-4**

Job Ticket: 61947

**DST#: 3**

Test Start: 2016.10.31 @ 09:03:00

## GENERAL INFORMATION:

Formation: **Viola**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:41:30

Time Test Ended: 16:23:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 72 Great Bend/50

**Interval: 3549.00 ft (KB) To 3640.00 ft (KB) (TVD)**

Reference Elevations: 1853.00 ft (KB)

Total Depth: 3640.00 ft (KB) (TVD)

1842.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

**Serial #: 6999 Inside**

Press@RunDepth: 135.88 psig @ 3636.45 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.10.31

End Date: 2016.10.31

Last Calib.: 2016.10.31

Start Time: 09:03:05

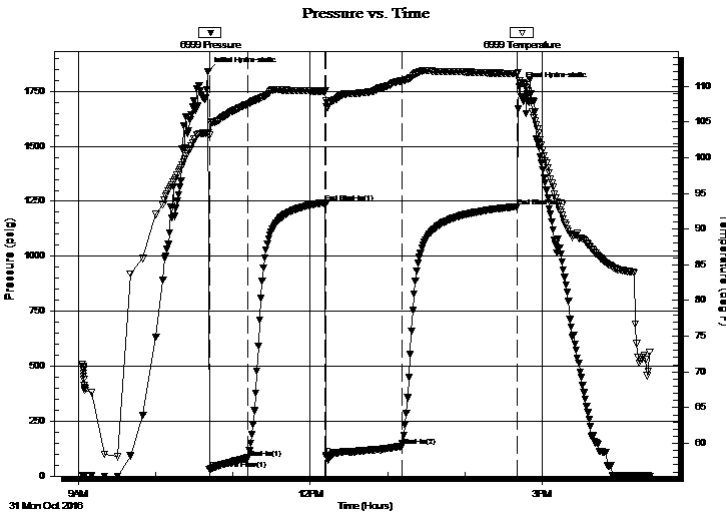
End Time: 16:23:29

Time On Btm: 2016.10.31 @ 10:40:30

Time Off Btm: 2016.10.31 @ 14:42:30

**TEST COMMENT:** I.F. 30 minutes/Blow built to 3 inches  
I.S.I. 60 minutes/Blow back built to 1 inch and maintained throughout  
F.F. 60 minutes/Blow built to bottom of bucket in 1 1/2 minutes  
F.S.I. 90 minutes/Blow back built to 5 inches

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1841.10	103.49	Initial Hydro-static
1	30.15	103.15	Open To Flow (1)
31	83.17	107.43	Shut-In(1)
91	1244.43	109.32	End Shut-In(1)
92	93.61	107.95	Open To Flow (2)
151	135.88	110.74	Shut-In(2)
240	1226.13	111.76	End Shut-In(2)
242	1772.99	110.83	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
300.00	Muddy Oily Gas	1.89
0.00	Mud 30% Oil 30% Gas 40%	0.00
0.00	2056 feet of gas in pipe	0.00

## Gas Rates

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



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Job Ticket: 61947

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Tester: Ken Swinney

Unit No: 72 Great Bend/50

**Interval: 3549.00 ft (KB) To 3640.00 ft (KB) (TVD)**

Reference Elevations: 1853.00 ft (KB)

Total Depth: 3640.00 ft (KB) (TVD)

1842.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

**Serial #: 8960 Outside**

Press@RunDepth: 1224.15 psig @ 3637.45 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.10.31

End Date: 2016.10.31

Last Calib.: 2016.10.31

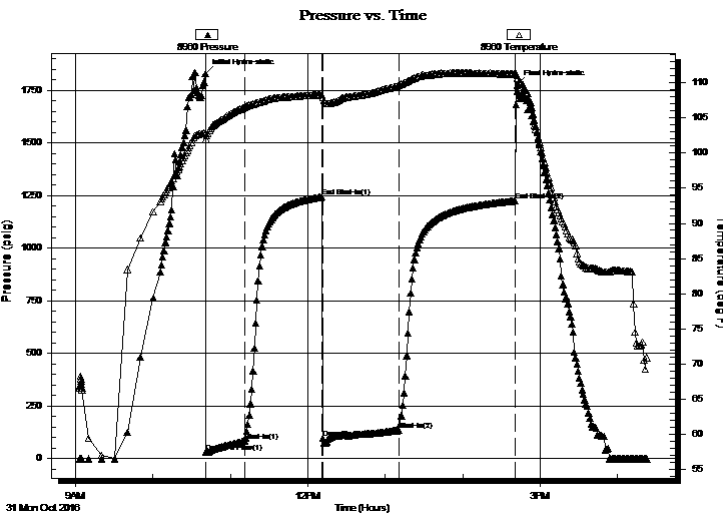
Start Time: 09:03:05

End Time: 16:22:59

Time On Btm: 2016.10.31 @ 10:40:30

Time Off Btm: 2016.10.31 @ 14:42:00

**TEST COMMENT:** I.F. 30 minutes/Blow built to 3 inches  
 I.S.I. 60 minutes/Blow back built to 1 inch and maintained throughout  
 F.F. 60 minutes/Blow built to bottom of bucket in 1 1/2 minutes  
 F.S.I. 90 minutes/Blow back built to 5 inches



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1827.86	102.86	Initial Hydro-static
1	30.43	101.87	Open To Flow (1)
31	82.97	106.53	Shut-In(1)
90	1242.22	108.29	End Shut-In(1)
91	94.67	107.91	Open To Flow (2)
150	134.06	109.64	Shut-In(2)
240	1224.15	111.22	End Shut-In(2)
242	1774.98	111.05	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
300.00	Muddy Oily Gas	1.89
0.00	Mud 30% Oil 30% Gas 40%	0.00
0.00	2056 feet of gas in pipe	0.00

## Gas Rates

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



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# DRILL STEM TEST REPORT

## FLUID SUMMARY

Dixon Operating Corporation LLC

**4/23S/12W/Stafford**

8100 E 22nd St North  
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Wichita, Kansas 67226  
ATTN: Chuck Schmaltz

**Alpers #1-4**

Job Ticket: 61947

**DST#: 3**

Test Start: 2016.10.31 @ 09:03:00

### Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 64.00 sec/qt  
Water Loss: 10.18 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 9900.00 ppm  
Filter Cake: inches

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

Oil API: deg API  
Water Salinity: ppm

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
300.00	Muddy Oily Gas	1.885
0.00	Mud 30% Oil 30% Gas 40%	0.000
0.00	2056 feet of gas in pipe	0.000

Total Length: 300.00 ft      Total Volume: 1.885 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6999

Inside

Dixon Operating Corporation LLC

Alpers #1-4

DST Test Number: 3

### Pressure vs. Time

