



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: 61948

DST#: 4

Test Start: 2016.10.31 @ 22:26:00

GENERAL INFORMATION:

Formation: **Viola**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:29:00

Time Test Ended: 06:21:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 72 Great Bend/50

Interval: 3640.00 ft (KB) To 3667.00 ft (KB) (TVD)

Reference Elevations: 1853.00 ft (KB)

Total Depth: 3667.00 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: 79.84 psig @ 3663.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.10.31

End Date:

2016.11.01

Last Calib.:

2016.11.01

Start Time:

22:26:05

End Time:

06:20:59

Time On Btm:

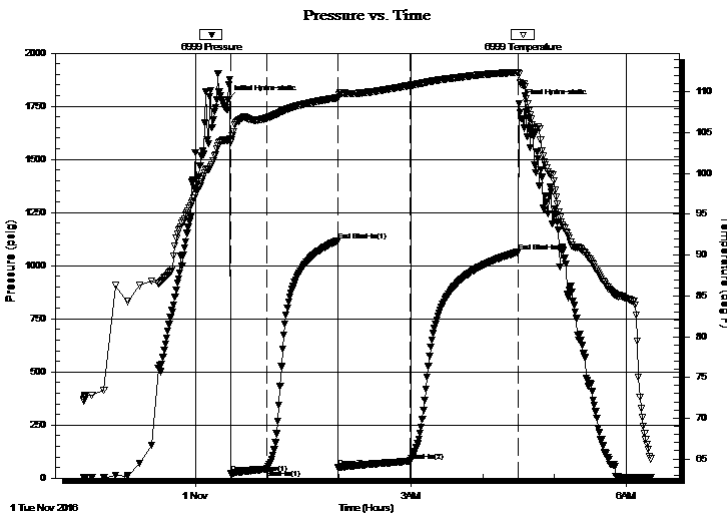
2016.11.01 @ 00:27:00

Time Off Btm:

2016.11.01 @ 04:30:30

TEST COMMENT: I.F. 30 minutes/Blow built to 2 inches
 I.S.I. 60 minutes/No blow back
 F.F. 60 minutes/Light surface flow after 20 minutes died in 10 minutes
 F.S.I. 90 minutes/No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1781.55	104.09	Initial Hydro-static
2	20.58	103.82	Open To Flow (1)
32	42.51	106.78	Shut-In(1)
92	1117.17	109.29	End Shut-In(1)
92	49.72	109.23	Open To Flow (2)
152	79.84	110.78	Shut-In(2)
243	1063.71	112.40	End Shut-In(2)
244	1762.02	112.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
135.00	Muddy Water with show of oil	0.66
0.00	Mud 30% Water 70%	0.00

Gas Rates

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



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Reference Elevations: 1853.00 ft (KB)

Total Depth: 3667.00 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: 1061.86 psig @ 3664.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.10.31

End Date:

2016.11.01

Last Calib.:

2016.11.01

Start Time: 22:26:05

End Time:

06:20:29

Time On Btm:

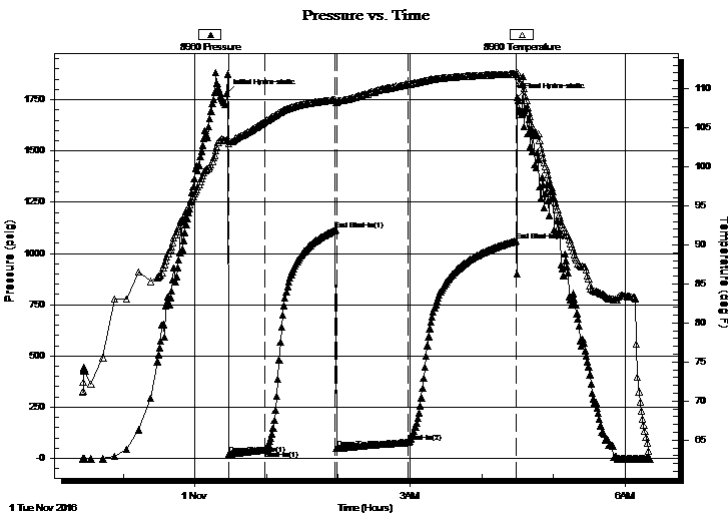
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 F.S.I. 90 minutes/No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1779.22	103.42	Initial Hydro-static
2	18.67	102.99	Open To Flow (1)
32	41.22	105.76	Shut-In(1)
91	1113.96	108.57	End Shut-In(1)
92	48.32	108.19	Open To Flow (2)
152	78.59	110.54	Shut-In(2)
243	1061.86	111.89	End Shut-In(2)
244	1762.04	112.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
135.00	Muddy Water with show of oil	0.66
0.00	Mud 30% Water 70%	0.00

Gas Rates

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



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TESTING, INC**

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FLUID SUMMARY

Dixon Operating Corporation LLC

4/23S/12W/Stafford

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ATTN: Chuck Schmaltz

Alpers #1-4

Job Ticket: 61948

DST#: 4

Test Start: 2016.10.31 @ 22:26:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 64.00 sec/qt

Water Loss: 10.18 in³

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:

Water Salinity: 20000 ppm

deg API

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
135.00	Muddy Water with show of oil	0.664
0.00	Mud 30% Water 70%	0.000

Total Length: 135.00 ft Total Volume: 0.664 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Recovery Resistivity .36 ohms @ 64 degrees

