



**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: 61949

DST#: 5

Test Start: 2016.11.01 @ 20:19:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:43:00

Time Test Ended: 03:41:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 72 Great Bend/50

Interval: 3735.00 ft (KB) To 3750.00 ft (KB) (TVD)

Reference Elevations: 1853.00 ft (KB)

Total Depth: 3750.00 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: 315.09 psig @ 3746.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.11.01

End Date: 2016.11.02

Last Calib.: 2016.11.02

Start Time: 20:19:05

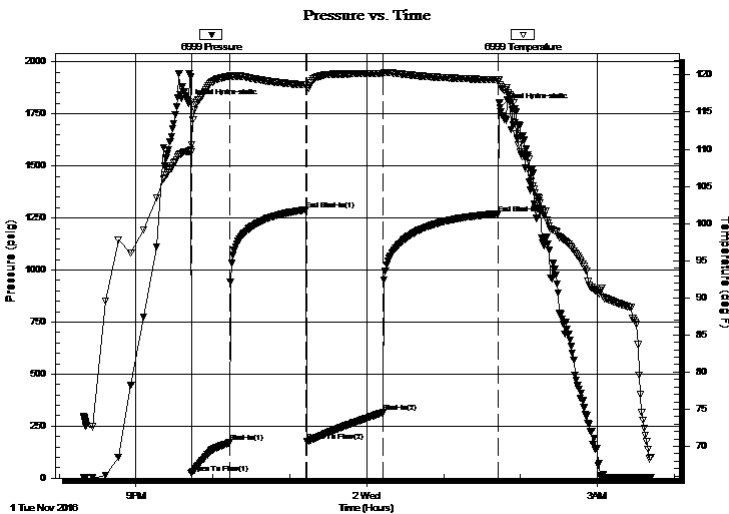
End Time: 03:41:29

Time On Btm: 2016.11.01 @ 21:41:00

Time Off Btm: 2016.11.02 @ 01:44:00

TEST COMMENT: I.F. 30 minutes/Blow built to bottom of bucket in 20 minutes
I.S.I. 60 minutes/No blow back
F.F. 60 minutes/Blow built to bottom of bucket in 30 minutes
F.S.I. 90 minutes/No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1799.59	109.67	Initial Hydro-static
2	22.65	109.69	Open To Flow (1)
32	170.91	119.78	Shut-In(1)
92	1288.77	118.67	End Shut-In(1)
93	175.54	118.25	Open To Flow (2)
152	315.09	120.17	Shut-In(2)
242	1271.21	119.33	End Shut-In(2)
243	1779.07	118.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
630.00	Muddy Water	6.51
0.00	Mud 5% Water 95%	0.00

Gas Rates

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



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Tester: Ken Swinney

Unit No: 72 Great Bend/50

Interval: 3735.00 ft (KB) To 3750.00 ft (KB) (TVD)

Reference Elevations: 1853.00 ft (KB)

Total Depth: 3750.00 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: 1269.35 psig @ 3747.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.11.01

End Date: 2016.11.02

Last Calib.: 2016.11.02

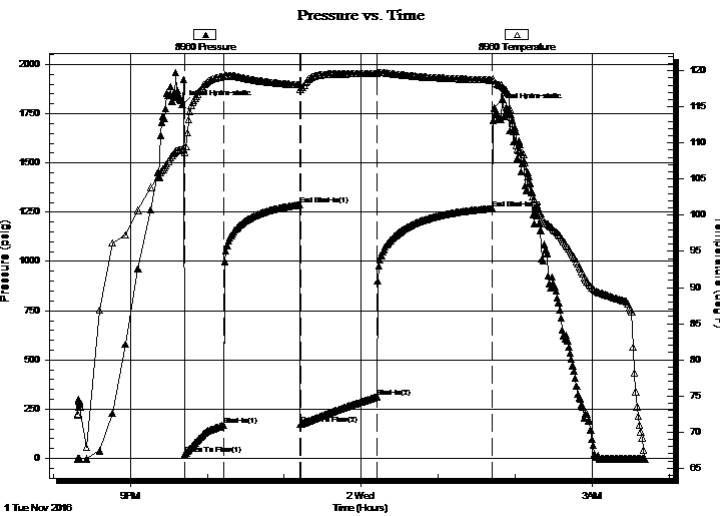
Start Time: 20:19:05

End Time: 03:40:59

Time On Btm: 2016.11.01 @ 21:40:30

Time Off Btm: 2016.11.02 @ 01:43:30

TEST COMMENT: I.F. 30 minutes/Blow built to bottom of bucket in 20 minutes
 I.S.I. 60 minutes/No blow back
 F.F. 60 minutes/Blow built to bottom of bucket in 30 minutes
 F.S.I. 90 minutes/No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1797.29	109.16	Initial Hydro-static
2	20.45	108.70	Open To Flow (1)
32	169.26	119.16	Shut-In(1)
92	1287.03	118.04	End Shut-In(1)
92	173.26	117.40	Open To Flow (2)
152	313.42	119.56	Shut-In(2)
242	1269.35	118.70	End Shut-In(2)
243	1778.22	118.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
630.00	Muddy Water	6.51
0.00	Mud 5% Water 95%	0.00

Gas Rates

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



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FLUID SUMMARY

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Alpers #1-4

Job Ticket: 61949

DST#: 5

Test Start: 2016.11.01 @ 20:19:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 82.00 sec/qt

Water Loss: 10.18 in³

Resistivity: ohm.m

Salinity: 12200.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: 22000 ppm

deg API

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
630.00	Muddy Water	6.514
0.00	Mud 5% Water 95%	0.000

Total Length: 630.00 ft Total Volume: 6.514 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Recovery Resistivity .35 ohms @ 62 degrees

