



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Woolsey Operating Co
125 N Market Ste 1000
Wichita, KS 67202
ATTN: Bill Klaver

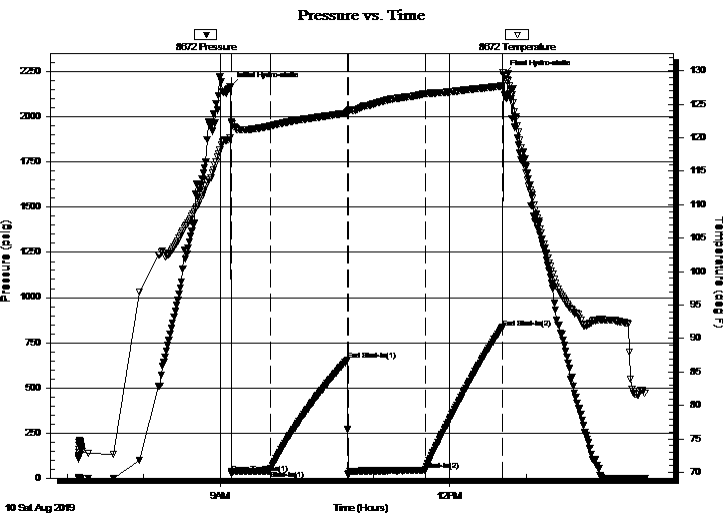
16-31S-6W Harper
Bauer 1
Job Ticket: 65892 **DST#: 2**
Test Start: 2019.08.10 @ 07:09:00

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 09:09:02
Time Test Ended: 14:33:02
Interval: **4269.00 ft (KB) To 4280.00 ft (KB) (TVD)**
Total Depth: 4280.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Leal Cason
Unit No: 74
Reference Elevations: 1473.00 ft (KB)
1460.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 8672 Inside
Press@RunDepth: 44.05 psig @ 4270.00 ft (KB) Capacity: psig
Start Date: 2019.08.10 End Date: 2019.08.10 Last Calib.: 2019.08.10
Start Time: 07:09:01 End Time: 14:33:02 Time On Btm: 2019.08.10 @ 09:07:47
Time Off Btm: 2019.08.10 @ 12:41:47

TEST COMMENT: IF: Strong Blow , BOB in 30 seconds, Built to 121 inches
IS: No Blow Back
FF: Strong Blow , BOB Immediate, Built to 147 inches
FS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2164.90	119.97	Initial Hydro-static
2	27.98	122.39	Open To Flow (1)
32	40.43	121.73	Shut-In(1)
92	653.19	123.70	End Shut-In(1)
93	17.61	123.91	Open To Flow (2)
153	44.05	126.58	Shut-In(2)
214	833.02	127.76	End Shut-In(2)
215	2234.90	129.75	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	756 GIP	0.00
65.00	SGCM 5%G 95%M	0.32

* Recovery from multiple tests

Gas Rates

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



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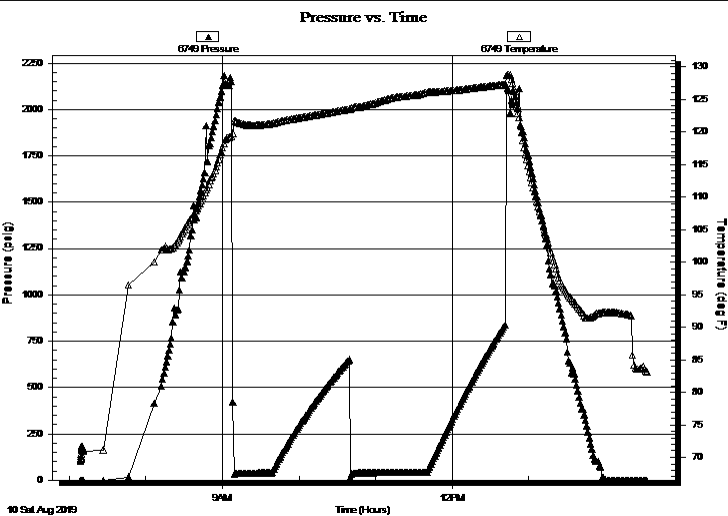
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FLUID SUMMARY

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16-31S-6W Harper

125 N Market Ste 1000
Wichita, KS 67202

Bauer 1

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DST#: 2

ATTN: Bill Klaver

Test Start: 2019.08.10 @ 07:09:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	756 GIP	0.000
65.00	SGCM 5%G 95%M	0.320

Total Length: 65.00 ft Total Volume: 0.320 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

