



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Berexco LLC.
 2020 N Bramblewood
 Wichita Ks. 67206+1094
 ATTN: Bryan Bynog

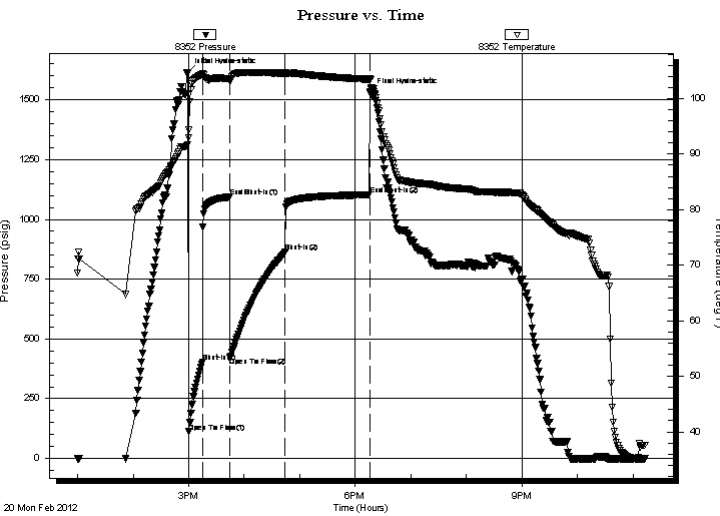
30-14s-14w Russell
Hummel #5
 Job Ticket: 45696 **DST#: 6**
 Test Start: 2012.02.20 @ 13:00:05

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 15:00:00
 Time Test Ended: 23:13:00
 Interval: **3203.00 ft (KB) To 3217.00 ft (KB) (TVD)**
 Total Depth: 3217.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Andy Carreira
 Unit No: 39
 Reference Elevations: 1790.00 ft (KB)
 1779.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8352 Outside
 Press @ Run Depth: 862.86 psig @ 3204.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.02.20 End Date: 2012.02.20 Last Calib.: 2012.02.20
 Start Time: 13:00:05 End Time: 23:13:00 Time On Btm: 2012.02.20 @ 14:59:10
 Time Off Btm: 2012.02.20 @ 18:15:50

TEST COMMENT: IF:(15min.) BOB, 1 min.
 IS:(30min) Return Surface Blow
 FF:(60min) BOB, 1 min.
 FS:(90min) Return 1 inch Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1613.45	91.74	Initial Hydro-static
1	111.15	92.99	Open To Flow (1)
16	403.07	104.35	Shut-In(1)
46	1094.18	103.53	End Shut-In(1)
46	422.25	103.23	Open To Flow (2)
106	862.86	104.55	Shut-In(2)
197	1102.69	103.48	End Shut-In(2)
197	1528.62	103.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	OSWM w =40% m=60%	0.30
60.00	OSMW m=10% w =90%	0.30
1880.00	CO	22.58

* Recovery from multiple tests

Gas Rates

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



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FLUID SUMMARY

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30-14s-14w Russell

2020 N Bramblewood
Wichita Ks. 67206+1094

Hummel #5

Job Ticket: 45696

DST#: 6

ATTN: Bryan Bynog

Test Start: 2012.02.20 @ 13:00:05

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:

70000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	OSWM w=40% m=60%	0.295
60.00	OSMW m=10% w=90%	0.295
1880.00	CO	22.583

Total Length: 2000.00 ft Total Volume: 23.173 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Pulled 360 ft of oil & dropped bar & reversed.

Resistivity- .16 @ 48 deg = 70000

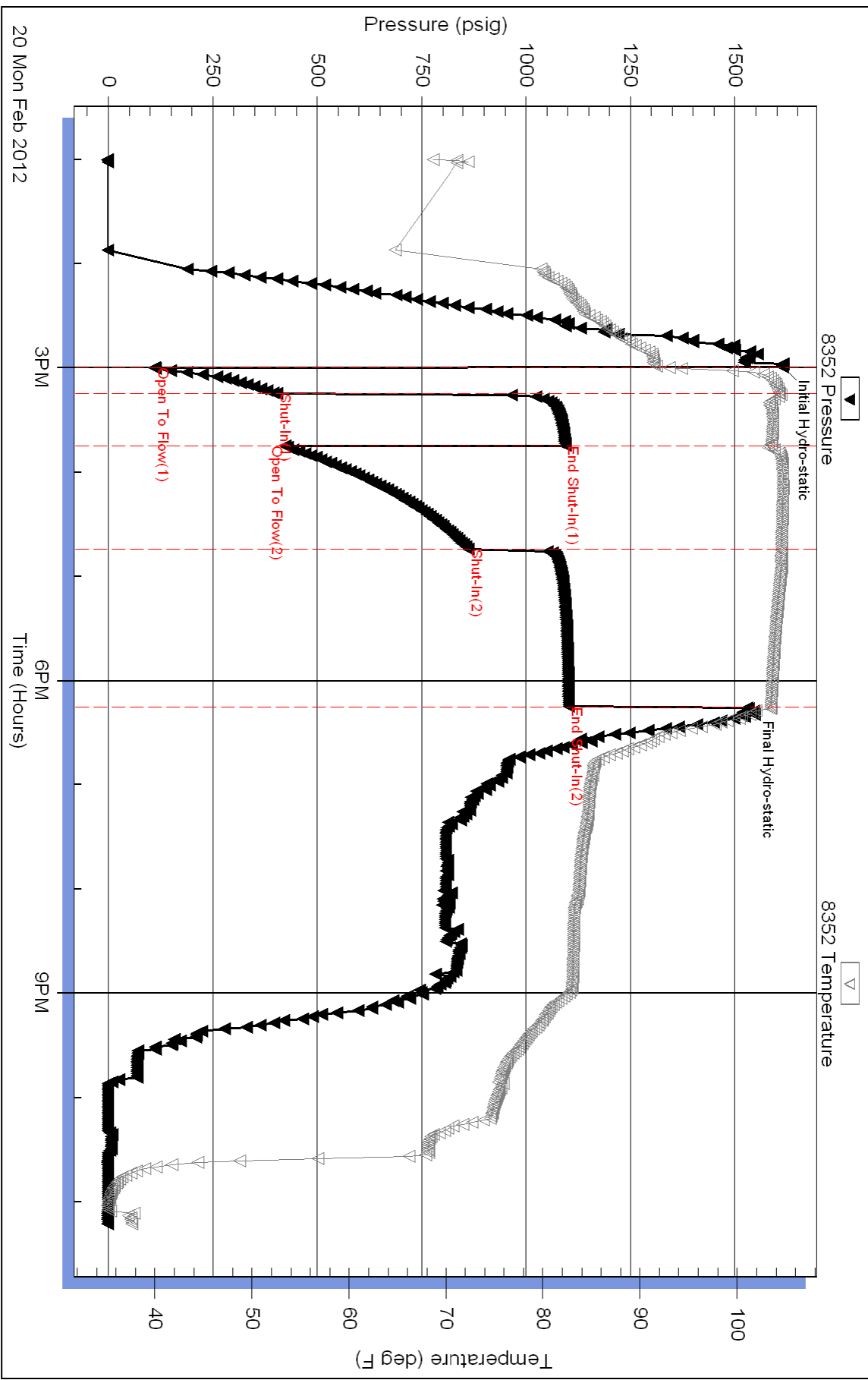
Serial #: 8352

Outside Berexco LLC.

Hummel #5

DST Test Number: 6

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 45696

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