



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Berexco, LLC

9/4s/27w Decatur KS

2020 N Bramblewood
Wichita, KS 67206

Petracek #7

Job Ticket: 65325

DST#: 3

ATTN: Bryan Bynog

Test Start: 2019.03.13 @ 03:00:00

GENERAL INFORMATION:

Formation: **LKC E-G**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:59:30

Time Test Ended: 15:37:00

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder/ Shaw n

Unit No: 83

Interval: 3610.00 ft (KB) To 3660.00 ft (KB) (TVD)

Reference Elevations: 2668.00 ft (KB)

Total Depth: 3660.00 ft (KB) (TVD)

2660.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8652 Outside

Press@RunDepth: 181.96 psig @ 3611.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.03.13

End Date: 2019.03.13

Last Calib.: 2019.03.13

Start Time: 03:00:05

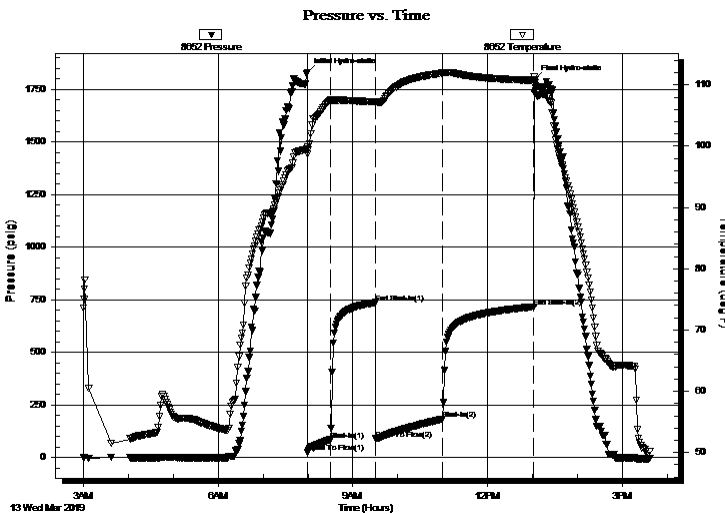
End Time: 15:37:00

Time On Btm: 2019.03.13 @ 07:59:15

Time Off Btm: 2019.03.13 @ 13:03:15

TEST COMMENT: 30-IF blow built to BOB (11') at 21 1/2 min, built to 14 1/4'.
60-ISI blow back built to 1/4'
90-FF blow built to BOB at 31 min, built to 22 3/4"
120-FSI blow back built to 1/8"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1830.07	99.83	Initial Hydro-static
1	22.27	98.71	Open To Flow (1)
31	84.09	107.47	Shut-In(1)
91	735.69	107.29	End Shut-In(1)
92	88.26	107.13	Open To Flow (2)
181	181.96	111.94	Shut-In(2)
303	716.03	110.77	End Shut-In(2)
304	1793.76	109.84	Final Hydro-static

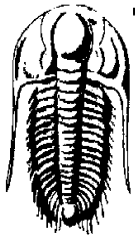
Recovery

Length (ft)	Description	Volume (bbl)
322.00	mcw w/oil spots 85% w , 14% m, 1%o	4.00
15.00	gocmw 48%w , 40%m, 10%o, 2%g,	0.21
15.00	smw co 96%o, 2%w , 2%m,	0.21
0.00	gip=30"	0.00

* Recovery from multiple tests

Gas Rates

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



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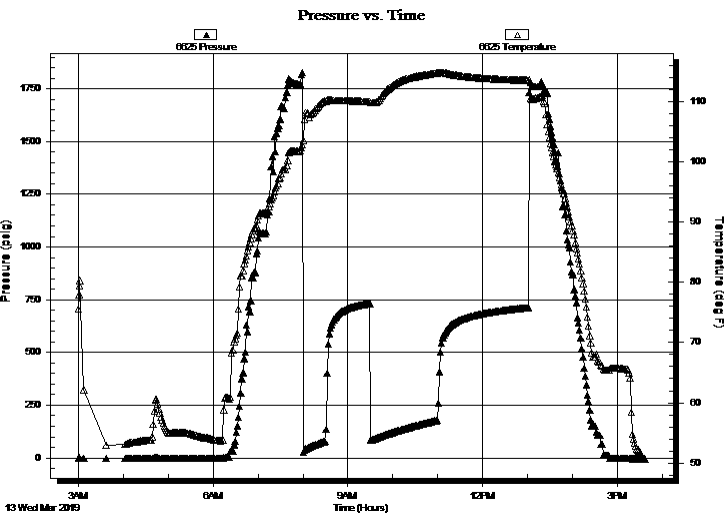
9/4s/27w Decatur KS
Petracek #7
Job Ticket: 65325 **DST#: 3**
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Time Test Ended: 15:37:00 Unit No: 83
Interval: 3610.00 ft (KB) To 3660.00 ft (KB) (TVD) Reference Elevations: 2668.00 ft (KB)
Total Depth: 3660.00 ft (KB) (TVD) 2660.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 6625 Inside
Press@RunDepth: psig @ 3611.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2019.03.13 End Date: 2019.03.13 Last Calib.: 2019.03.13
Start Time: 03:00:05 End Time: 15:37:15 Time On Btm:
Time Off Btm:

TEST COMMENT: 30-IF blow built to BOB (11') at 21 1/2 min, built to 14 1/4.
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PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
322.00	mcw w/oil spots 85% w , 14% m, 1%o	4.00
15.00	gocmw 48%w , 40% m, 10%o, 2%g,	0.21
15.00	smw co 96%o, 2%w , 2% m,	0.21
0.00	gip=30"	0.00

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Gas Rates

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



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FLUID SUMMARY

Berexco, LLC

9/4s/27w Decatur KS

2020 N Bramblewood
Wichita, KS 67206

Petracek #7

Job Ticket: 65325

DST#: 3

ATTN: Bryan Bynog

Test Start: 2019.03.13 @ 03:00:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37.2 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2300.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
322.00	mcw w/oil spots 85% w, 14% m, 1%o	3.998
15.00	gocmw 48%w, 40%m, 10%o, 2%g,	0.210
15.00	smw co 96%o, 2%w, 2%m,	0.210
0.00	gip=30"	0.000

Total Length: 352.00 ft Total Volume: 4.418 bbl

Num Fluid Samples: 0

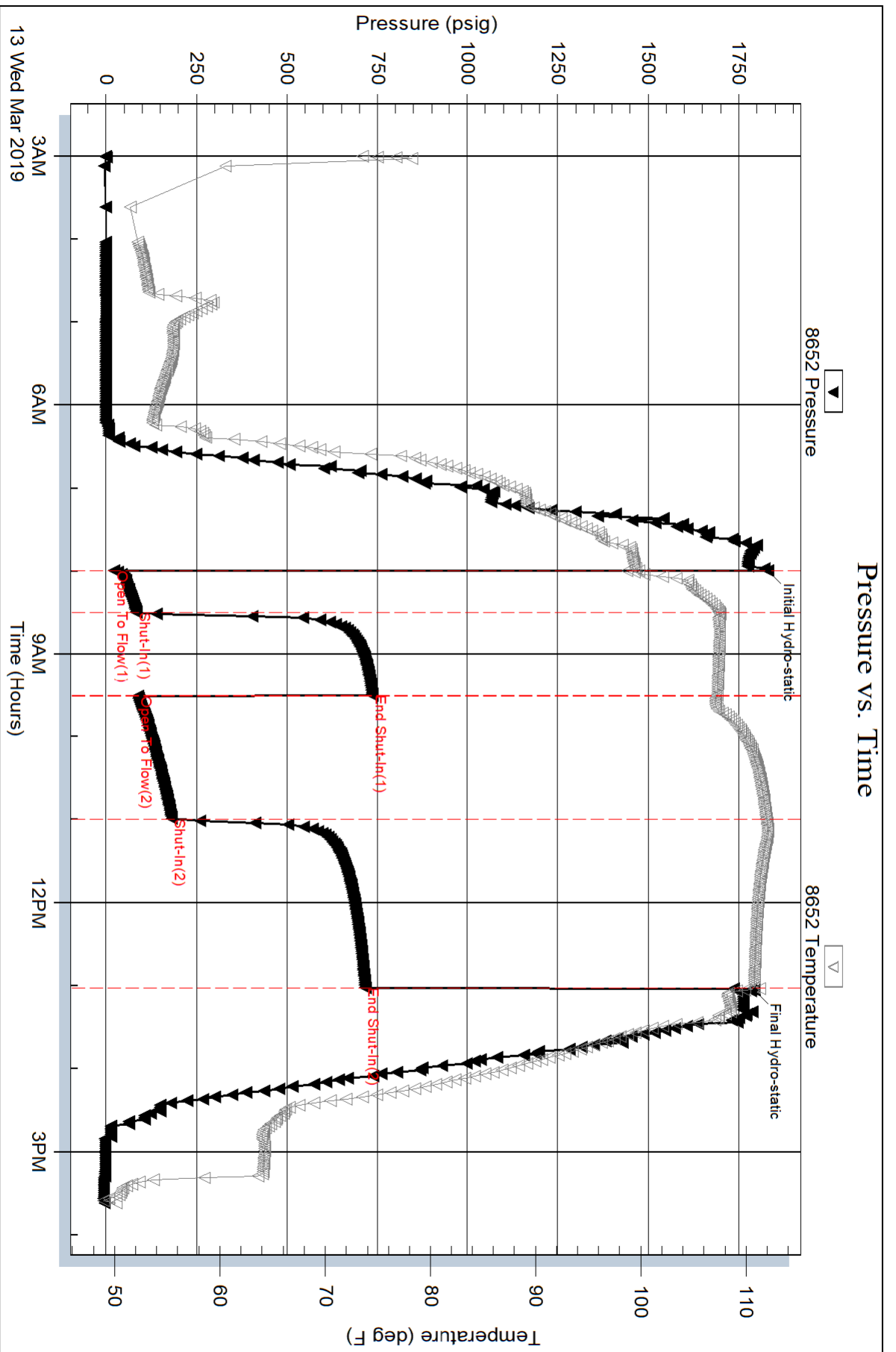
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: gravity =36.2 api@ 50degF, corrected gravity =37.2api,
rw =.133 ohms @ 50.2 degF, chlorides = 82,000ppm



Serial #: 6625

Inside

Berexco, LLC

Retracek #7

DST Test Number: 3

