

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Becker Oil Corporation
 PO Box 1150
 Panca City, OK 74602
 ATTN: Clyde Becker

36-10s-31w Thomas,KS

Ottley #2

Job Ticket: 65525

DST#: 3

Test Start: 2016.10.18 @ 21:45:47

GENERAL INFORMATION:

Formation: **Pawnee - Ft Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:01:17

Time Test Ended: 05:41:17

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: **4323.00 ft (KB) To 4410.00 ft (KB) (TVD)**

Total Depth: 4410.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2902.00 ft (KB)

2892.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8166

Outside

Press@RunDepth: 171.86 psig @ 4324.00 ft (KB)

Start Date: 2016.10.18

End Date:

2016.10.19

Start Time: 21:45:52

End Time:

05:41:16

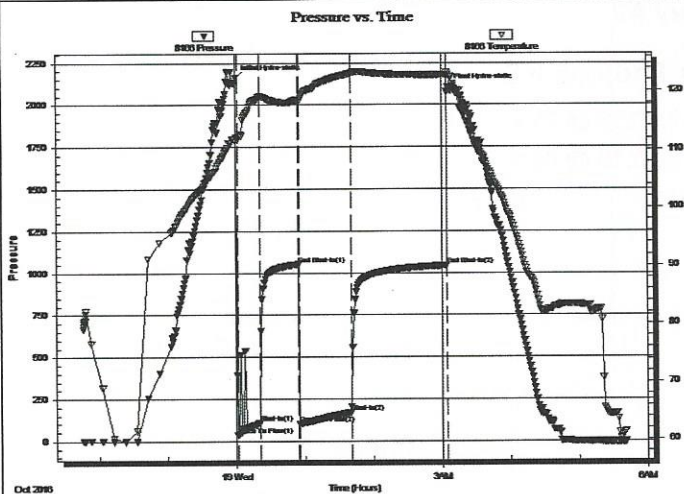
Capacity: 8000.00 psig

Last Calib.: 2016.10.19

Time On Btm: 2016.10.18 @ 23:59:47

Time Off Btm: 2016.10.19 @ 03:05:47

TEST COMMENT: IF: 1/4" blow built to 8" in 20 min.
 IS: No return.
 FF: BOB in 19 min.
 FS: Surface blow built to 1 1/2"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2158.40	112.03	Initial Hydro-static
2	32.57	111.57	Open To Flow (1)
21	107.63	119.16	Shut-In(1)
55	1051.78	118.51	End Shut-In(1)
56	102.47	118.45	Open To Flow (2)
101	171.86	123.01	Shut-In(2)
185	1043.90	122.79	End Shut-In(2)
186	2102.36	122.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	gocw m 10%g 5%o 30%w 55%m	0.30
124.00	gocw m 10%g 10%o 10%w 70%m	1.21
154.00	gocm 10%g 10%o 80%m	2.16
1.00	free oil 100%o	0.01
0.00	155 GIP	0.00

* Recovery from multiple tests

Gas Rates

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

Trilobite Testing, Inc

Ref. No: 65525

Printed: 2016.10.21 @ 14:07:34



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TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Becker Oil Corporation

36-10s-31w Thomas,KS

PO Box 1150
Panca City, OK 74602

Ottley #2

Job Ticket: 65525

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ATTN: Clyde Becker

Test Start: 2016.10.18 @ 21:45:47

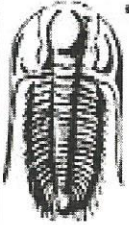
Tool Information

Drill Pipe:	Length: 4196.00 ft	Diameter: 3.80 inches	Volume: 58.86 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 59.45 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4323.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	87.00 ft			
Tool Length:	114.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4297.00	
Shut In Tool	5.00			4302.00	
Hydraulic tool	5.00			4307.00	
Jars	5.00			4312.00	
Safety Joint	2.00			4314.00	
Packer	5.00			4319.00	27.00 Bottom Of Top Packer
Packer	4.00			4323.00	
Stubb	1.00			4324.00	
Recorder	0.00	8875	Inside	4324.00	
Recorder	0.00	8166	Outside	4324.00	
Perforations	16.00			4340.00	
Change Over Sub	1.00			4341.00	
Drill Pipe	63.00			4404.00	
Change Over Sub	1.00			4405.00	
Bullnose	5.00			4410.00	87.00 Bottom Packers & Anchor
Total Tool Length:	114.00				



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FLUID SUMMARY

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36-10s-31w Thomas,KS

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Ottley #2

Job Ticket: 65525

DST#: 3

ATTN: Clyde Becker

Test Start: 2016.10.18 @ 21:45:47

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	gocw m 10%g 5%o 30%w 55%m	0.305
124.00	gocw m 10%g 10%o 10%w 70%m	1.211
154.00	gocm 10%g 10%o 80%m	2.160
1.00	free oil 100%o	0.014
0.00	155 GIP	0.000

Total Length: 341.00 ft

Total Volume: 3.690 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8166

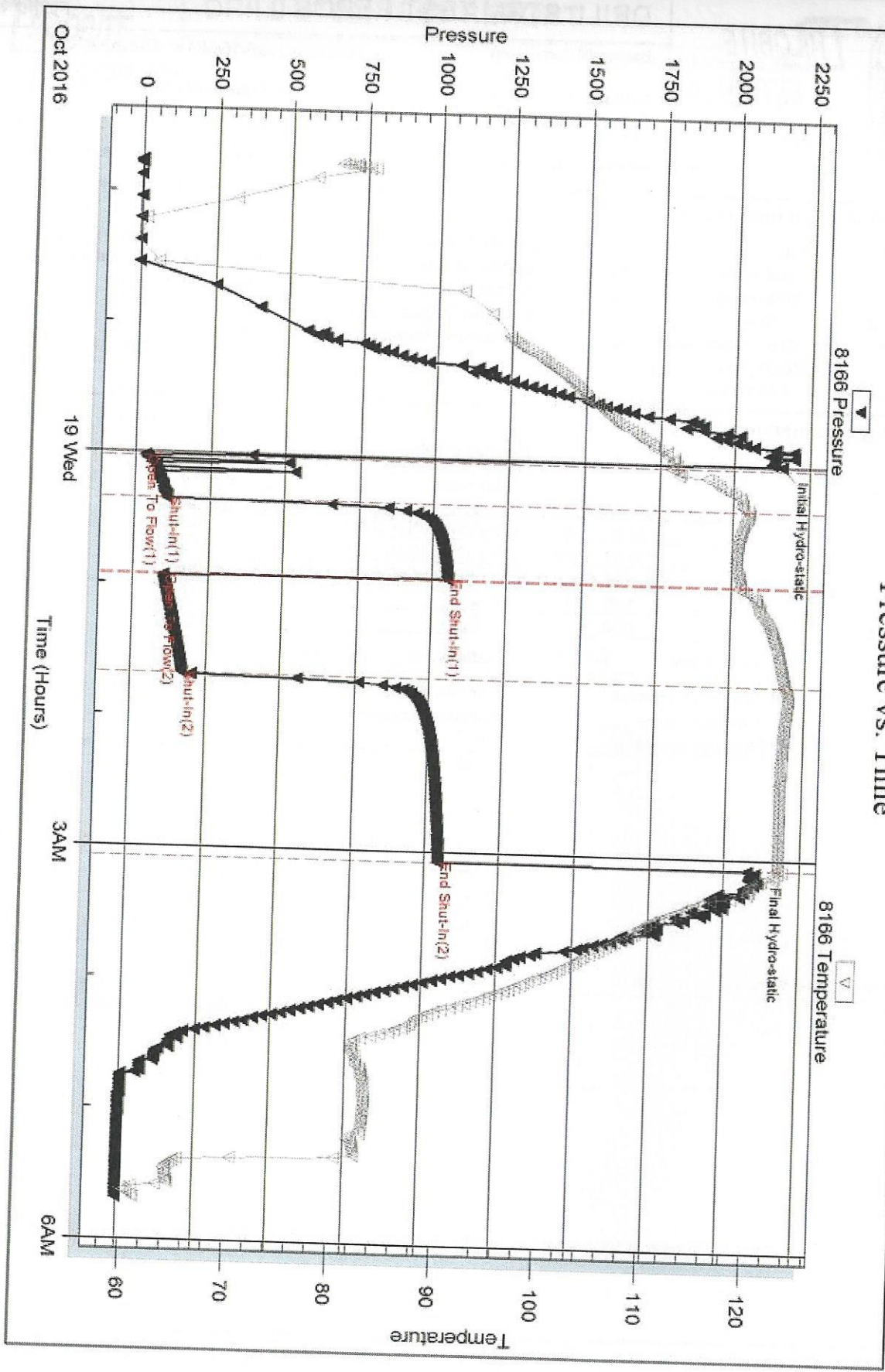
Outside

Becker Oil Corporation

Otley #2

DST Test Number: 3

Pressure vs. Time



Tribolite Testing, Inc

Ref. No: 65525

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