



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lebsack Oil Production

12-22s-34w Finney Ks

P.O. Box 354
Chase, Ks 67524

Garden City 9-12

ATTN: Josh Austin

Job Ticket: 64268

DST#: 2

Test Start: 2017.11.05 @ 03:15:16

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:19:46

Time Test Ended: 10:15:46

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: 4400.00 ft (KB) To 4430.00 ft (KB) (TVD)

Reference Elevations: 2917.00 ft (KB)

Total Depth: 4430.00 ft (KB) (TVD)

2904.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 13.00 ft

Serial #: 8166 Outside

Press@RunDepth: 71.77 psig @ 4401.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.11.05

End Date:

2017.11.05

Last Calib.: 2017.11.05

Start Time: 03:15:21

End Time:

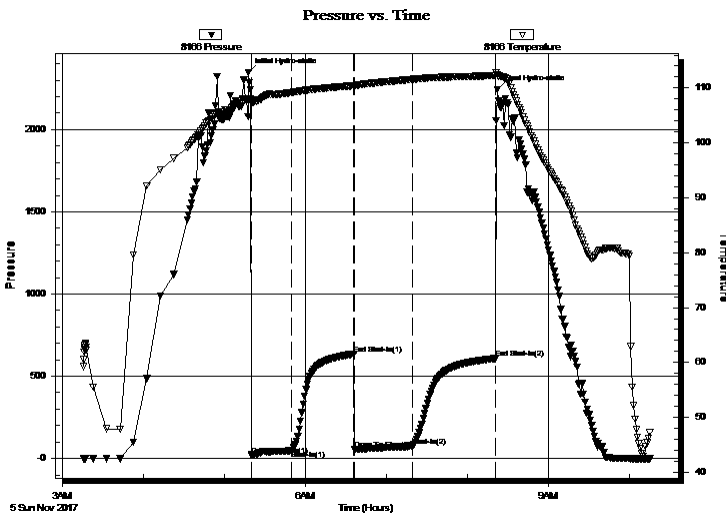
10:15:45

Time On Btm: 2017.11.05 @ 05:17:46

Time Off Btm: 2017.11.05 @ 08:22:16

TEST COMMENT: IF: 1/4 blow built to 4.
IS: No return.
FF: Surface blow built to 4.
FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2347.79	107.83	Initial Hydro-static
2	20.81	107.36	Open To Flow (1)
32	47.55	109.19	Shut-In(1)
78	634.70	110.43	End Shut-In(1)
79	55.79	110.24	Open To Flow (2)
122	71.77	111.57	Shut-In(2)
183	607.53	112.27	End Shut-In(2)
185	2243.86	112.37	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	mw 50%w 50%m	0.30
61.00	ocm 10%o 90%m	0.30
5.00	free oil 100%0	0.07
0.00	63 GIP	0.00

* Recovery from multiple tests

Gas Rates

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



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FLUID SUMMARY

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P.O. Box 354
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Garden City 9-12

Job Ticket: 64268

DST#: 2

ATTN: Josh Austin

Test Start: 2017.11.05 @ 03:15:16

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:

31000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	mw 50%w 50%m	0.295
61.00	ocm 10%o 90%m	0.300
5.00	free oil 100%0	0.073
0.00	63 GIP	0.000

Total Length: 126.00 ft Total Volume: 0.668 bbl

Num Fluid Samples: 0

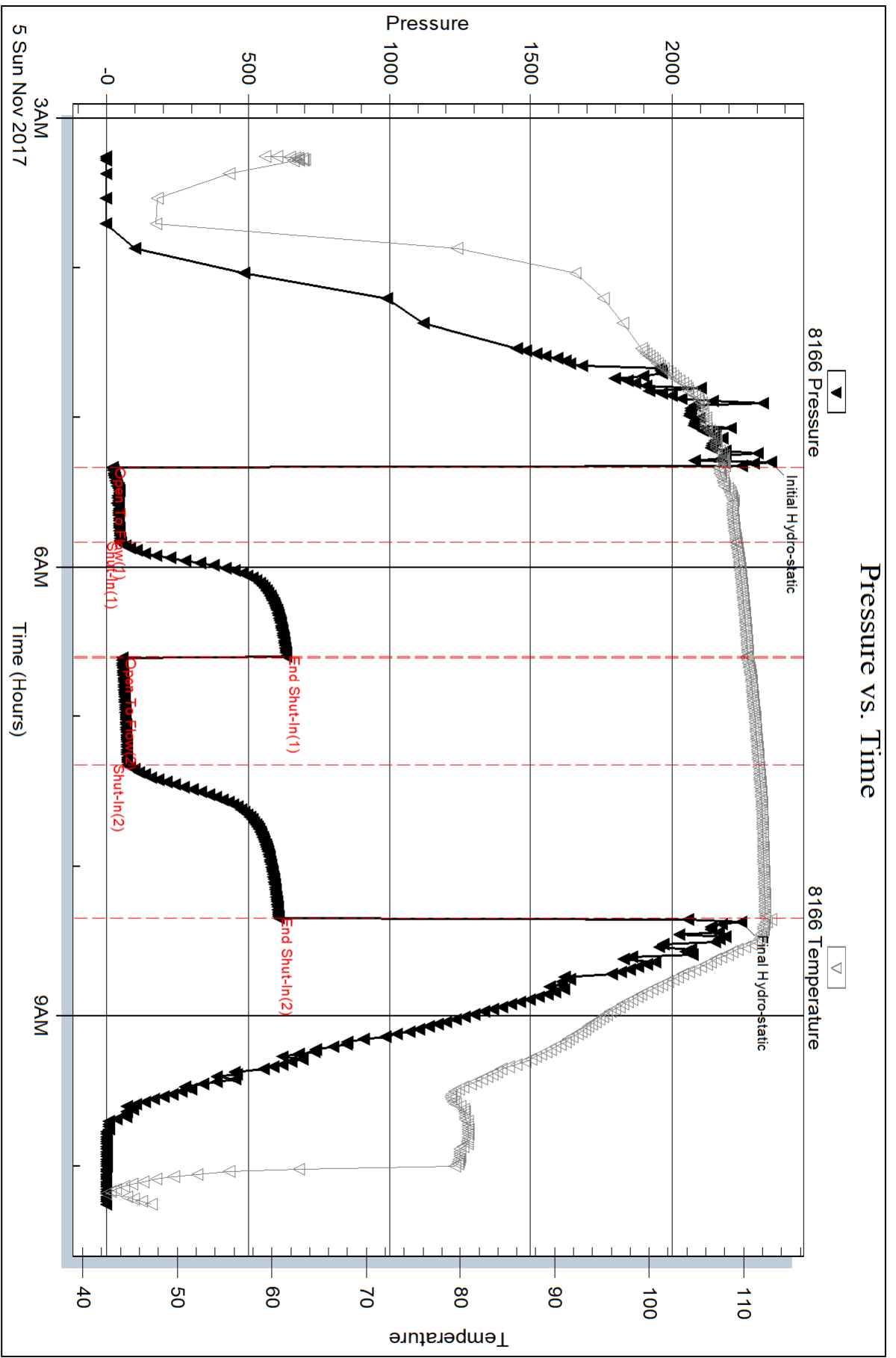
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .36@44=31000



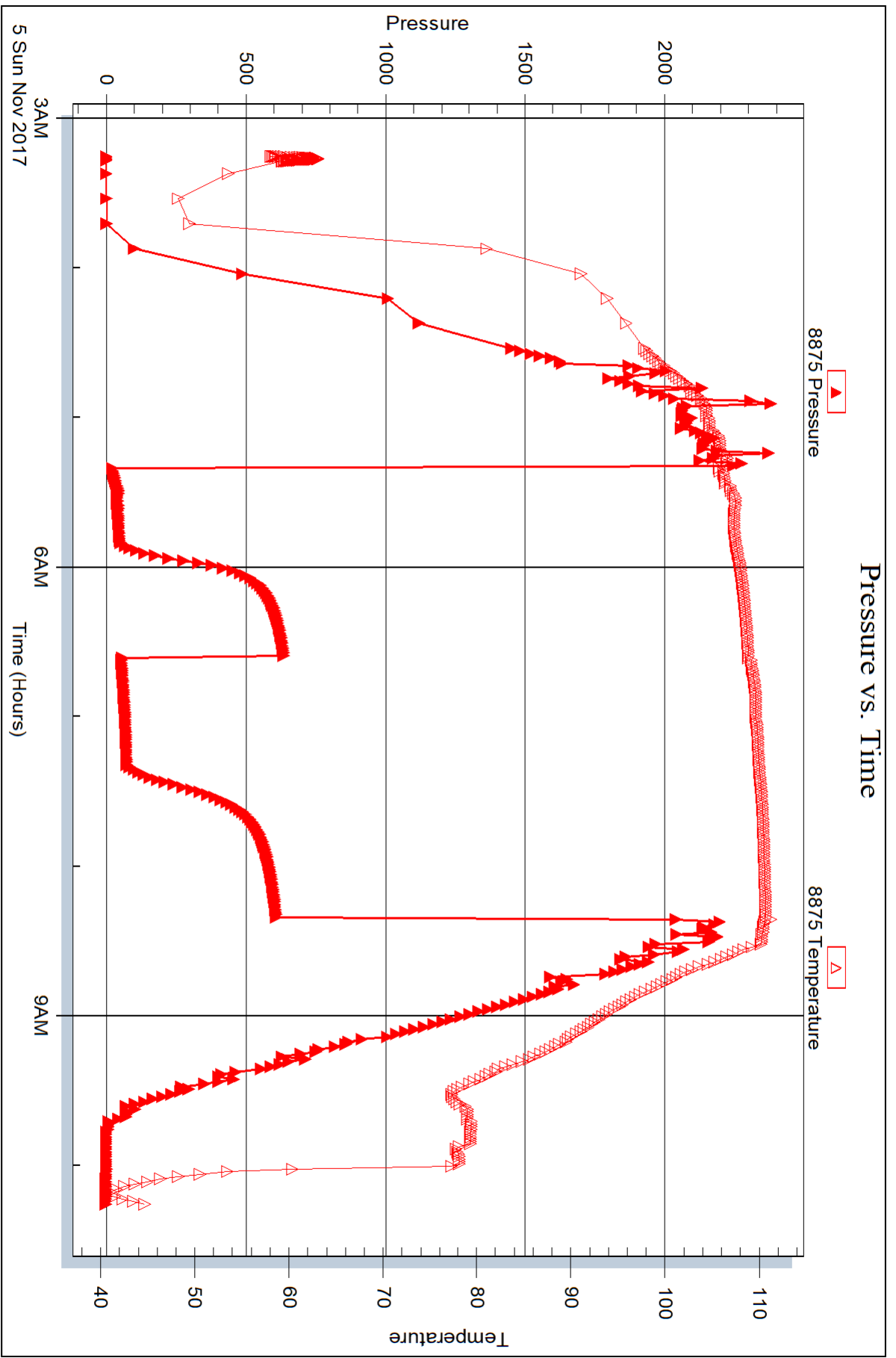
Serial #: 8875

Inside

Lebsack Oil Production

Garden City 9-12

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 64268

Printed: 2017.11.05 @ 12:19:49