



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Black Diamond Oil, Inc.

Sec. 22-5s-21w Norton, KS

P.O. Box 641
Hays, KS 67601

KS Brand #1

Job Ticket: 62469

DST#: 1

ATTN: Jeff Lawler

Test Start: 2015.05.15 @ 22:54:00

GENERAL INFORMATION:

Formation: **Gorham Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:02:40

Time Test Ended: 06:49:39

Test Type: Conventional Bottom Hole (Initial)

Tester: Phillip Gage

Unit No: 77

Interval: 3573.00 ft (KB) To 3583.00 ft (KB) (TVD)

Reference Elevations: 2149.00 ft (KB)

Total Depth: 3583.00 ft (KB) (TVD)

2144.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8897

Inside

Press @ Run Depth: 364.36 psig @ 3578.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.05.15

End Date:

2015.05.16

Last Calib.:

2015.05.16

Start Time: 22:54:01

End Time:

06:49:40

Time On Btm:

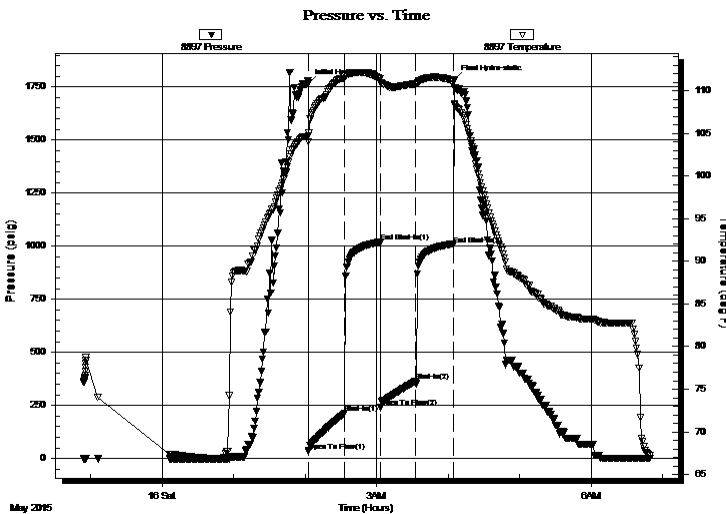
2015.05.16 @ 02:02:30

Time Off Btm:

2015.05.16 @ 04:05:20

TEST COMMENT: 30-IF-BOB in 5 mins.
30-ISI-No Return
30-FF-BOB in 9 mins
30-FSI-No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1767.79	104.69	Initial Hydro-static
1	32.10	103.99	Open To Flow (1)
31	212.96	111.45	Shut-In(1)
61	1019.36	111.39	End Shut-In(1)
61	239.07	110.94	Open To Flow (2)
91	364.36	110.77	Shut-In(2)
122	1007.22	111.14	End Shut-In(2)
123	1782.61	108.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
945.00	SGCO. 10%g, 90%o	12.17

Gas Rates

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



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FLUID SUMMARY

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P.O. Box 641
Hays, KS 67601

KS Brand #1

Job Ticket: 62469

DST#: 1

ATTN: Jeff Lawler

Test Start: 2015.05.15 @ 22:54:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

18 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.60 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 750.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
945.00	SGCO. 10%g, 90%o	12.172

Total Length: 945.00 ft Total Volume: 12.172 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

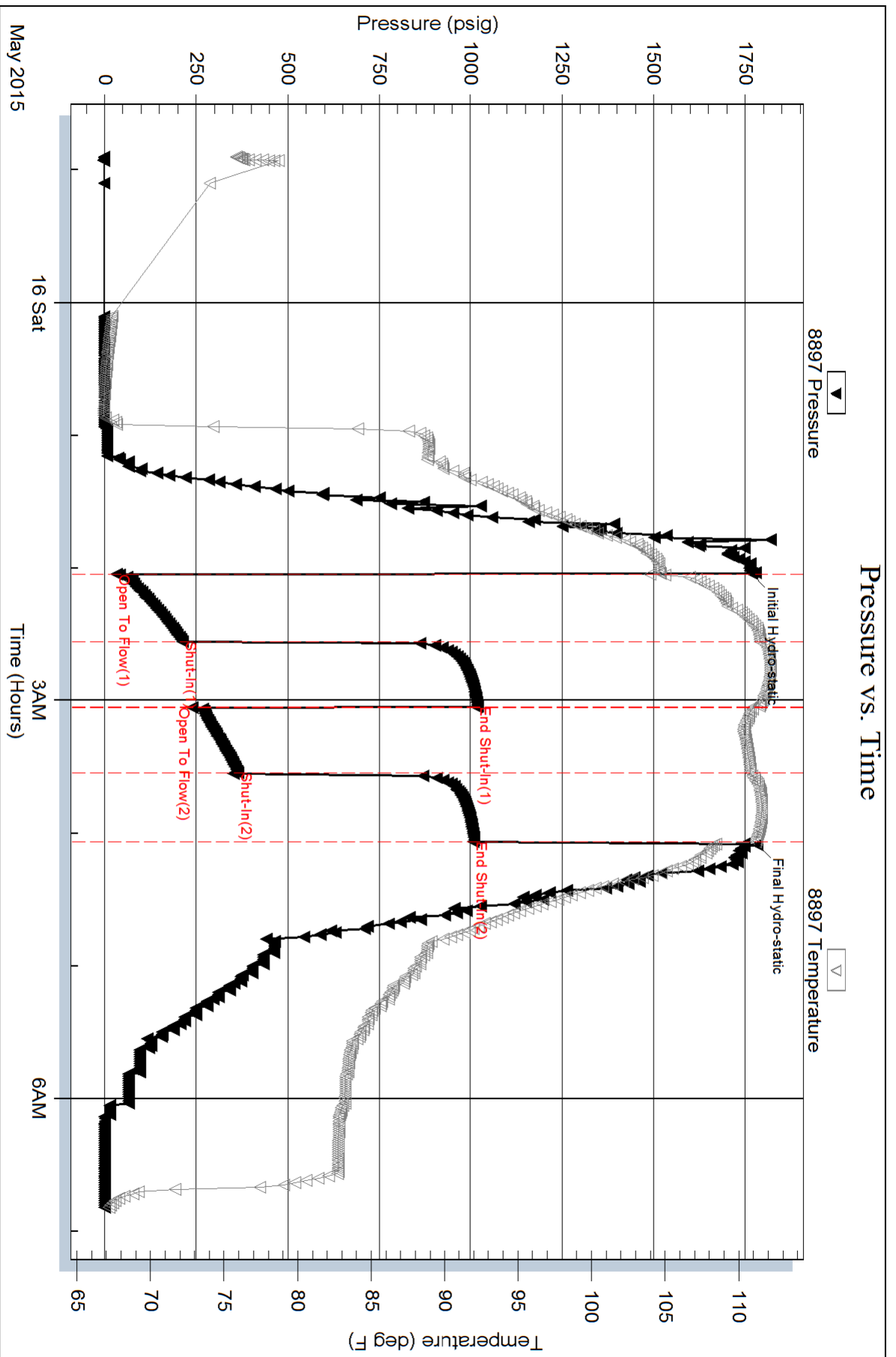
Serial #: 8897

Inside

Black Diamond Oil, Inc.

KS Brand #1

DST Test Number: 1



Serial #: 8354

Outside Black Diamond Oil, Inc.

KS Brand #1

DST Test Number: 1

