



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Black Diamond Oil, Inc.

**20-3s-20w-Phillips**

PO Box 641  
Hays, KS. 67601

**Schemper #1**

Job Ticket: 46434

**DST#: 3**

ATTN: Jeff Lawler

Test Start: 2012.02.19 @ 08:47:54

## GENERAL INFORMATION:

Formation: **I**  
 Deviated: No Whipstock: 0.00 ft (KB)  
 Time Tool Opened: 10:08:39  
 Time Test Ended: 14:54:54  
 Interval: **ft (KB) To ft (KB) (TVD)**  
 Total Depth: 3580.00 ft (KB) (TVD)  
 Hole Diameter: 7.80 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Jason McLemore  
 Unit No: 000000000000054  
 Reference Elevations: 2165.00 ft (KB)  
 2160.00 ft (CF)  
 KB to GR/CF: 5.00 ft

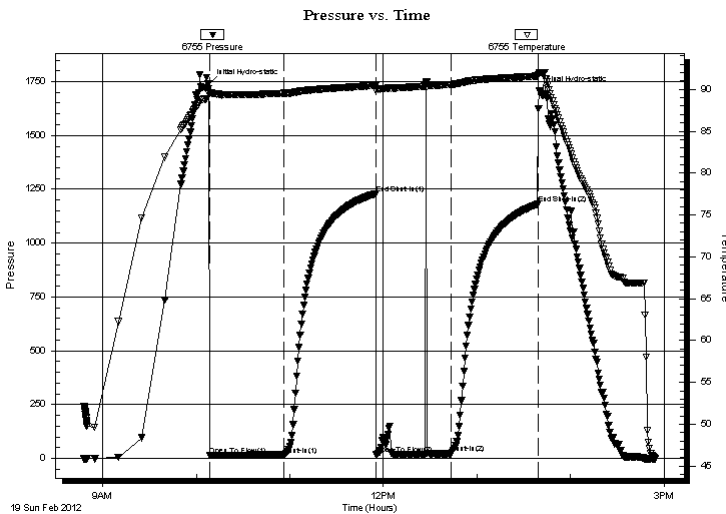
## Serial #: 6755

Inside

Press @ Run Depth: 22.54 psig @ 3562.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2012.02.19 End Date: 2012.02.19 Last Calib.: 2012.02.19  
 Start Time: 08:47:56 End Time: 14:54:54 Time On Btm: 2012.02.19 @ 10:08:24  
 Time Off Btm: 2012.02.19 @ 13:39:54

TEST COMMENT: IFP-Weak Blow, Built to 2-1/2"  
 ISI-Dead  
 FFP-Dead, Flush Tool. Surge, then Dead  
 FSI-Dead

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1742.49	90.12	Initial Hydro-static
1	13.82	89.56	Open To Flow (1)
48	16.60	89.54	Shut-In(1)
107	1229.88	90.46	End Shut-In(1)
107	18.47	89.85	Open To Flow (2)
155	22.54	90.58	Shut-In(2)
211	1181.11	91.58	End Shut-In(2)
212	1707.37	92.02	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drilling Mud	0.02

## Gas Rates

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

\* Recovery from multiple tests





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**TOOL DIAGRAM**

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Test Start: 2012.02.19 @ 08:47:54

## Tool Information

Drill Pipe:	Length: 3430.00 ft	Diameter: 3.80 inches	Volume: 48.11 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 38000.00 lb
			<u>Total Volume: 48.70 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	3559.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	21.00 ft			
Tool Length:	42.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3539.00	
Shut In Tool	5.00			3544.00	
Hydraulic tool	5.00			3549.00	
Packer	5.00			3554.00	21.00 Bottom Of Top Packer
Packer	5.00			3559.00	
Stubb	1.00			3560.00	
Perforations	2.00			3562.00	
Recorder	0.00	6755	Inside	3562.00	
Recorder	0.00	8289	Outside	3562.00	
Perforations	15.00			3577.00	
Bullnose	3.00			3580.00	21.00 Bottom Packers & Anchor

**Total Tool Length: 42.00**

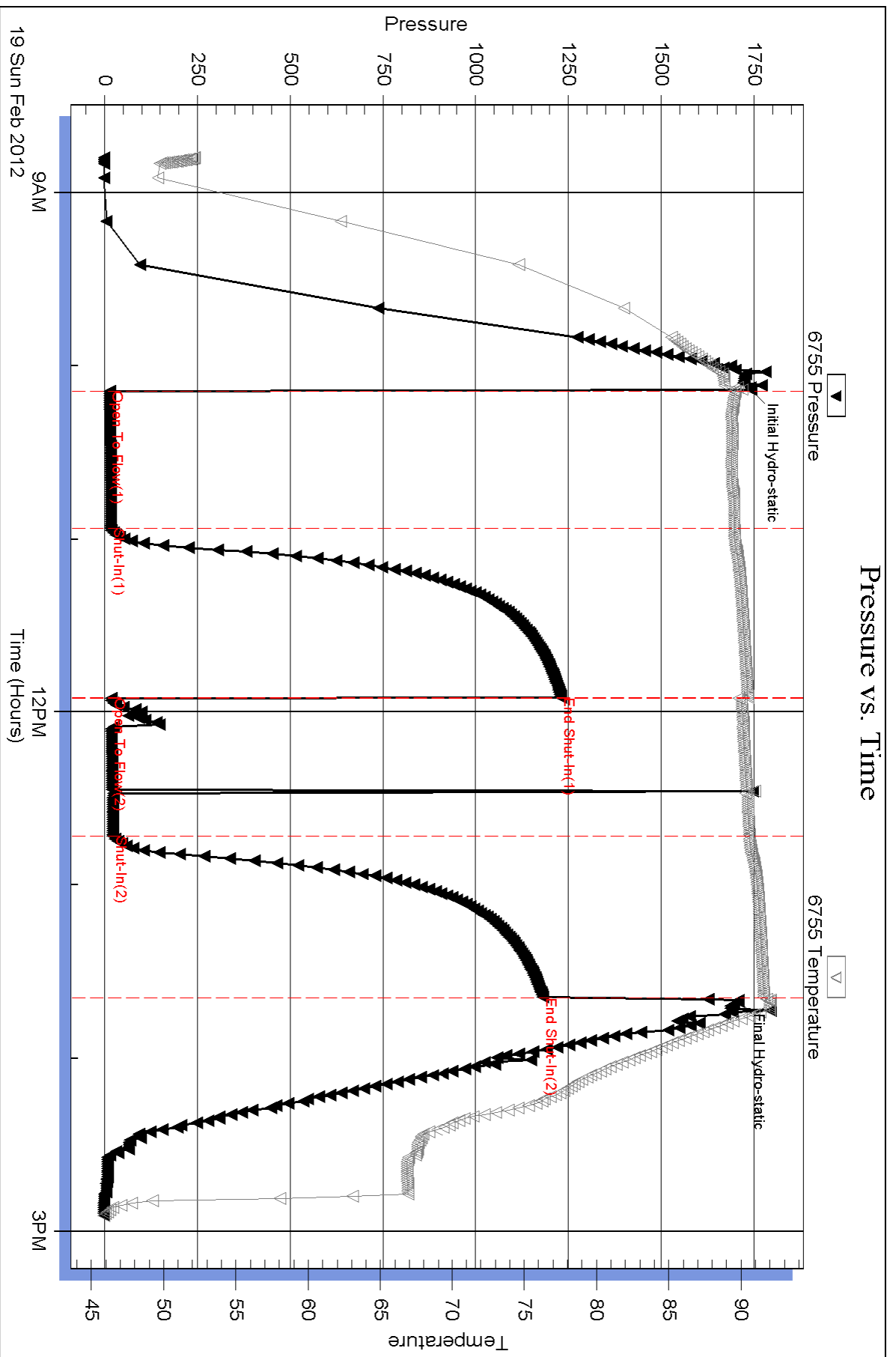
Serial #: 6755

Inside

Black Diamond Oil, Inc.

Schenper #1

DST Test Number: 3



Serial #: 8289

Outside Black Diamond Oil, Inc.

Schemper #1

DST Test Number: 3

