



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Black Diamond Oil Inc
PO Box 641
Hays, KS 67601-0641
ATTN: Richard Bell

23/4s/21w Norton KS

Veh #1

Job Ticket: 48153

DST#: 2

Test Start: 2012.10.29 @ 03:35:00

GENERAL INFORMATION:

Formation: **LKC "J"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 05:01:00
 Time Test Ended: 09:38:30
 Interval: **3493.00 ft (KB) To 3506.00 ft (KB) (TVD)**
 Total Depth: 3506.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: James Winder
 Unit No: 57
 Reference Elevations: 2117.00 ft (KB)
 2112.00 ft (CF)
 KB to GR/CF: 5.00 ft

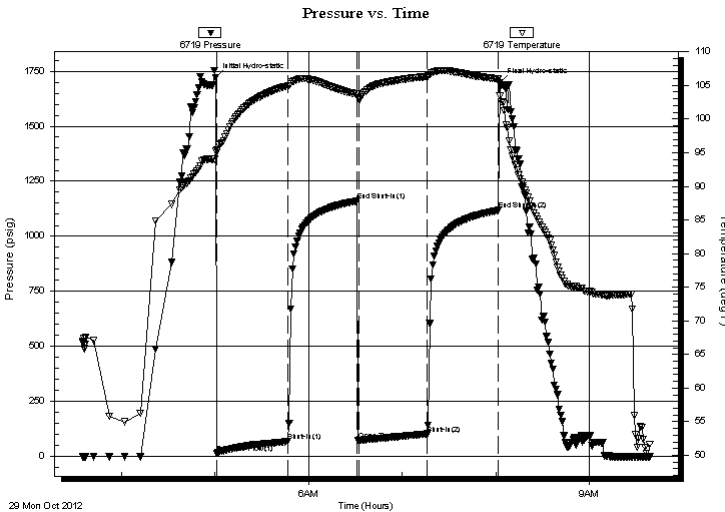
Serial #: 6719

Inside

Press @ Run Depth: 103.21 psig @ 3494.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.10.29 End Date: 2012.10.29 Last Calib.: 2012.10.29
 Start Time: 03:35:05 End Time: 09:38:29 Time On Btm: 2012.10.29 @ 05:00:30
 Time Off Btm: 2012.10.29 @ 08:02:30

TEST COMMENT: 45 - IF: Blow built to BOB (11") in 26 min.
 45 - IS: Bled off, No blow back
 45 - FF: Blow built to BOB in 38 1/2 min.
 45 - FS: Bled off, No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1721.52	95.27	Initial Hydro-static
1	15.17	94.95	Open To Flow (1)
46	69.11	104.92	Shut-In(1)
91	1160.51	103.68	End Shut-In(1)
92	73.03	102.89	Open To Flow (2)
136	103.21	106.35	Shut-In(2)
181	1118.25	105.93	End Shut-In(2)
182	1699.18	103.41	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	GOCM 65%o, 26%g, 9%m	0.20
270.00	CGO 70%o, 26%g, 4%m	3.06
0.00	GIP = 60'	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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Job Ticket: 48153 **DST#: 2**
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Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 24.4 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.95 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 1000.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	GOCM 65% <i>m</i> , 26% <i>o</i> , 9% <i>g</i>	0.197
270.00	CGO 70% <i>o</i> , 26% <i>g</i> , 4% <i>m</i>	3.059
0.00	GIP = 60'	0.000

Total Length: 310.00 ft Total Volume: 3.256 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: Gravity = 23 api @ 46 deg F
Corrected Gravity = 24.4 api

Serial #: 6719

Inside

Black Diamond Oil Inc

Veh #1

DST Test Number: 2

Pressure vs. Time

