

DRILL STEM TEST REPORT

Prepared For: **Black Diamond Oil Inc**

PO Box 641
Hays KS 67601-0641

ATTN: Ken Vehige

31-7s-20w Rooks,KS

Benoit "J"#1-31

Start Date: 2010.11.12 @ 11:29:15

End Date: 2010.01.12 @ 17:48:45

Job Ticket #: 41034 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Black Diamond Oil Inc.

PO Box 641
Hays KS 67601-0641

ATTN: Ken Vehige

Benoit "J" #1-31

31-7s-20w Rooks, KS

Job Ticket: 41034

DST#: 1

Test Start: 2010.11.12 @ 11:29:15

GENERAL INFORMATION:

Formation: Oread

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:09:15

Time Test Ended: 17:48:45

Interval: 3166.00 ft (KB) To 3202.00 ft (KB) (TVD)

Total Depth: 3202.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 42

Reference Elevations: 2058.00 ft (KB)

2050.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6625

Inside

Press@RunDepth: 123.81 psig @ 3170.00 ft (KB)

Start Date: 2010.01.12

End Date:

2010.01.12

Start Time: 11:29:20

End Time:

17:48:44

Capacity: 8000.00 psig

Last Calib.: 2010.11.12

Time On Btm: 2010.01.12 @ 13:06:45

Time Off Btm: 2010.01.12 @ 16:13:15

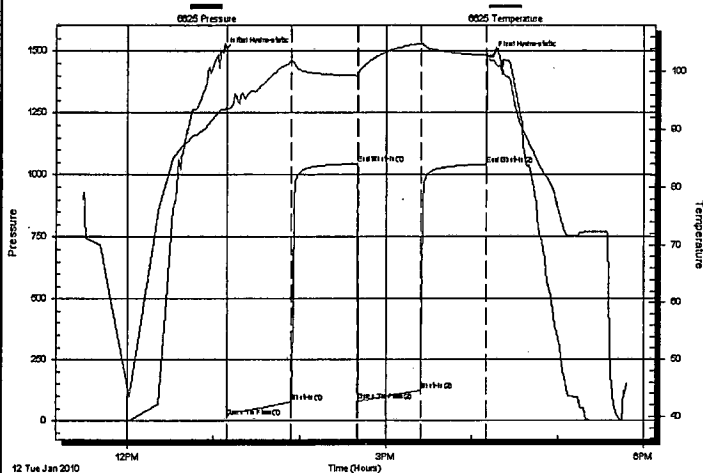
TEST COMMENT: IFF-w k to gd bl 1/2" to 6 1/2" bl

ISP-no bl bk

FFP-w k to gd bl 1/4" to 4" bl

FSIP-no bl bk

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1496.31	93.48	Initial Hydro-static
3	17.58	93.65	Open To Flow (1)
48	76.00	101.68	Shut-In (1)
94	1045.70	99.28	End Shut-In (1)
94	78.89	99.15	Open To Flow (2)
138	123.81	104.83	Shut-In (2)
184	1042.53	102.86	End Shut-In (2)
187	1480.92	101.90	Final Hydro-static

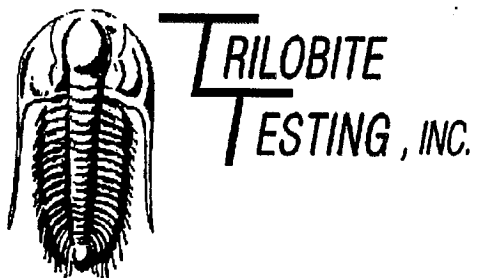
Recovery

Length (ft)	Description	Volume (bbl)
45.00	MW 20% m80% W w/show of oil	0.36
186.00	Water	2.61

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Prepared For: **Black Diamond Oil Inc**

PO Box 641
Hays KS 67601-0641

ATTN: Ken Vehige

31-7s-20w Rooks,KS

Benoit "J"#1-31

Start Date: 2010.11.13 @ 02:12:09

End Date: 2010.11.13 @ 07:14:33

Job Ticket #: 41035

DST #: 2

Trilobite Testing, Inc

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DRILL STEM TEST REPORT

Black Diamond Oil Inc

PO Box 641
Hays KS 67601-0641

ATTN: Ken Vehige

Benoit "J" #1-31

31-7s-20w Rooks, KS

Job Ticket: 41035

DST#: 2

Test Start: 2010.11.13 @ 02:12:09

GENERAL INFORMATION:

Formation: **Toronto-LKC "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:35:34

Time Test Ended: 07:14:33

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 42

Interval: 3237.00 ft (KB) To 3308.00 ft (KB) (TVD)

Total Depth: 3308.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2058.00 ft (KB)

2050.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6625 Inside

Press@RunDepth: 31.70 psig @ 3243.00 ft (KB)

Start Date: 2010.11.13

End Date: 2010.11.13

Start Time: 02:12:09

End Time: 07:14:33

Capacity: 8000.00 psig

Last Calib.: 2010.11.13

Time On Btm: 2010.11.13 @ 04:32:04

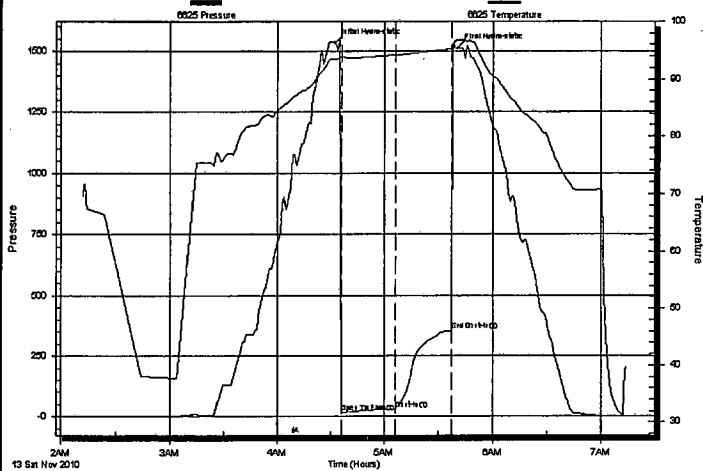
Time Off Btm: 2010.11.13 @ 05:40:34

TEST COMMENT: IFP- w k bl 1/4"bl

ISP-no bl

FFP-pulled tool

Pressure vs. Time



PRESSURE SUMMARY

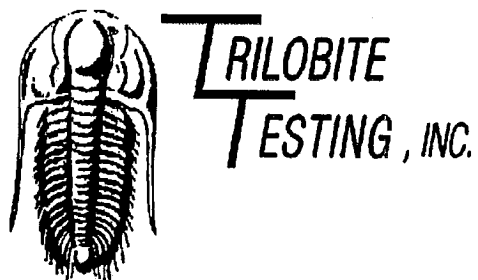
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1533.80	93.55	Initial Hydro-static
4	16.69	93.78	Open To Flow (1)
34	31.70	94.14	Shut-In(1)
65	352.77	95.22	End Shut-In(1)
69	1512.25	96.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	SOCM 2% O98%M	0.07

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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PO Box 641
Hays KS 67601-0641

ATTN: Ken Vehige

31-7s-20w Rooks,KS

Benoit "J" #1-31

Start Date: 2010.11.13 @ 13:35:05

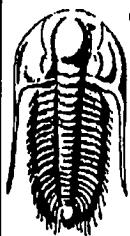
End Date: 2010.11.13 @ 19:27:59

Job Ticket #: 41036 DST #: 3

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DRILL STEM TEST REPORT

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PO Box 641
Hays KS 67601-0641

ATTN: Ken Vehige

Benoit "J" #1-31

31-7s-20w Rooks, KS

Job Ticket: 41036

DST#: 3

Test Start: 2010.11.13 @ 13:35:05

GENERAL INFORMATION:

Formation: LKC C-D

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:07:30

Time Test Ended: 19:27:59

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 42

Interval: 3302.00 ft (KB) To 3347.00 ft (KB) (TVD)

Total Depth: 3347.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2058.00 ft (KB)

2050.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6625

Inside

Press@RunDepth: 195.40 psig @ 3311.00 ft (KB)

Start Date: 2010.11.13

End Date:

2010.11.13

Start Time: 13:35:05

End Time:

19:27:59

Capacity: 8000.00 psig

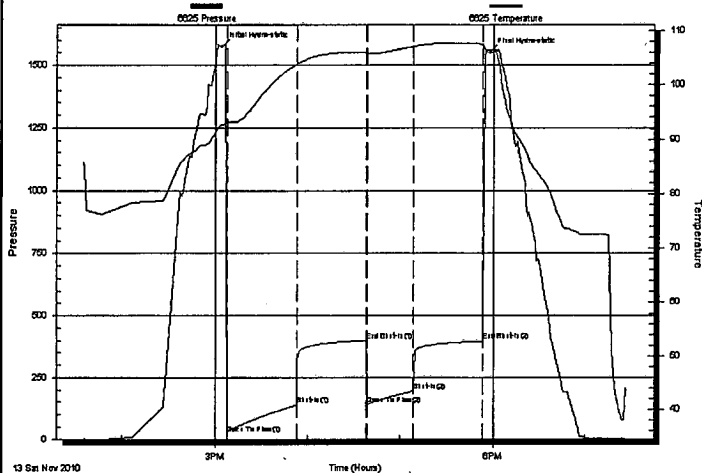
Last Calib.: 2010.11.13

Time On Btm: 2010.11.13 @ 15:04:30

Time Off Btm: 2010.11.13 @ 17:57:59

TEST COMMENT: IFF-w k to strg in 19 min
ISIP-no bl bk
FFP-w k to a fr bl 1/4to 6"bl
FSIP-no bl bk

Pressure vs. Time



PRESSURE SUMMARY

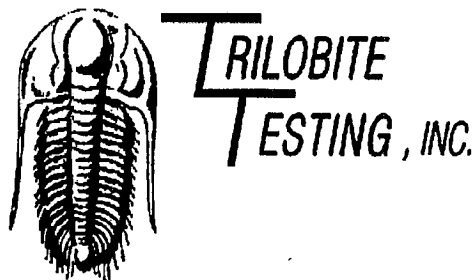
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1572.58	92.60	Initial Hydro-static
3	20.93	93.22	Open To Flow (1)
49	138.43	103.72	Shut-In(1)
94	399.13	105.99	End Shut-In(1)
94	141.42	105.92	Open To Flow (2)
124	195.40	107.03	Shut-In(2)
169	396.93	107.52	End Shut-In(2)
174	1549.93	106.33	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
125.00	MW 20%M80%VW	1.48
250.00	Water	3.51

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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31-7s-20w Rooks,KS

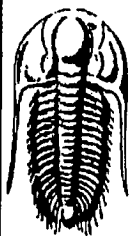
Benoit "J"#1-31

Start Date: 2010.11.14 @ 02:38:46

End Date: 2010.11.14 @ 09:28:10

Job Ticket #: 41037 DST #: 4

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ATTN: Ken Vehige

Benoit "J" #1-31

31-7s-20w Rooks, KS

Job Ticket: 41037

DST#: 4

Test Start: 2010.11.14 @ 02:38:46

GENERAL INFORMATION:

Formation: LKC E-G

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:43:11

Time Test Ended: 09:28:10

Interval: 3344.00 ft (KB) To 3397.00 ft (KB) (TVD)

Total Depth: 3397.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 42

Reference Elevations: 2058.00 ft (KB)

2050.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6625

Inside

Press@RunDepth: 40.35 psig @ 3346.00 ft (KB)

Start Date: 2010.11.14

End Date: 2010.11.14

Start Time: 02:38:46

End Time: 09:28:10

Capacity: 8000.00 psig

Last Calib.: 2010.11.14

Time On Btm: 2010.11.14 @ 04:39:11

Time Off Btm: 2010.11.14 @ 07:49:10

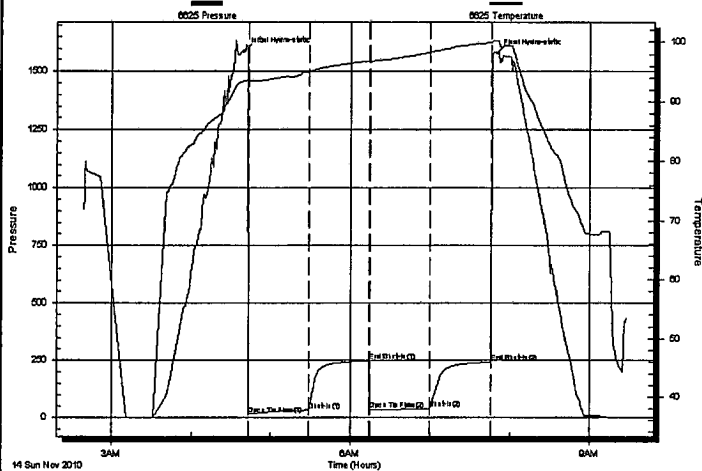
TEST COMMENT: IFP-w k bl 1/4"to 1/2"bl

ISIP-no bl

FFP-w k bl 1/4"bl

FSIP-no bl

Pressure vs. Time



PRESSURE SUMMARY

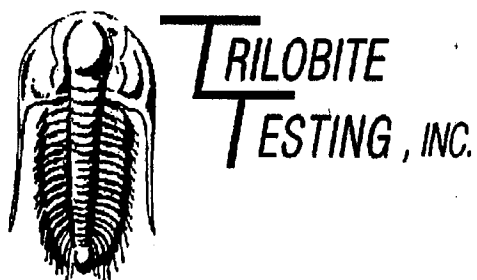
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1585.58	93.37	Initial Hydro-static
4	14.42	93.45	Open To Flow (1)
50	32.97	95.05	Shut-In(1)
94	248.26	96.84	End Shut-In(1)
95	33.64	96.81	Open To Flow (2)
140	40.35	98.29	Shut-In(2)
186	243.11	99.90	End Shut-In(2)
190	1578.75	100.23	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
55.00	SOCM 2%O98%M	0.50

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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ATTN: Ken Vehige

31-7s-20w Rooks,KS

Benoit "J"#1-31

Start Date: 2010.11.14 @ 17:39:24

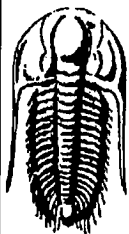
End Date: 2010.11.14 @ 22:14:48

Job Ticket #: 41038 DST #: 5

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PO Box 641
Hays KS 67601-0641

ATTN: Ken Vehige

Benoit "J" #1-31

31-7s-20w Rooks, KS

Job Ticket: 41038 DST#: 5

Test Start: 2010.11.14 @ 17:39:24

GENERAL INFORMATION:

Formation: LKC I-L

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:39:49

Time Test Ended: 22:14:48

Interval: 3416.00 ft (KB) To 3484.00 ft (KB) (TVD)

Total Depth: 3484.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 42

Reference Elevations: 2058.00 ft (KB)

2050.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6625 Inside

Press@RunDepth: 32.18 psig @ 3420.00 ft (KB)

Start Date: 2010.11.14

End Date: 2010.11.14

Start Time: 17:39:24

End Time: 22:14:48

Capacity: 8000.00 psig

Last Calib.: 2010.11.14

Time On Btm: 2010.11.14 @ 19:37:19

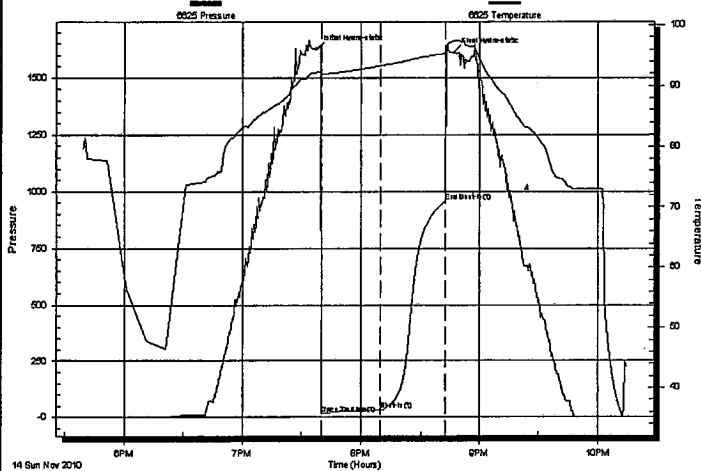
Time Off Btm: 2010.11.14 @ 20:46:49

TEST COMMENT: IFP-w k bl surface to 1/4" bl

ISIP-no bl

FFP-pulled tool

Pressure vs. Time



PRESSURE SUMMARY

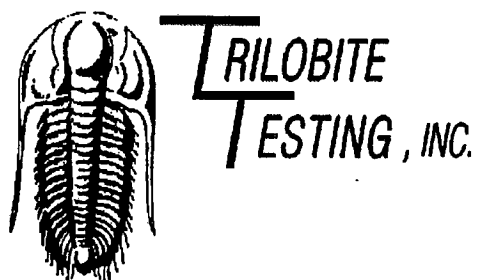
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1625.44	92.15	Initial Hydro-static
3	16.16	91.99	Open To Flow (1)
33	32.18	93.27	Shut-In(1)
65	956.27	95.29	End Shut-In(1)
70	1609.71	97.29	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	HOCM 20%80%M	0.29

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

Prepared For: **Black Diamond Oil Inc**

PO Box 641
Hays KS 67601-0641

ATTN: Ken Vehige

31-7s-20w Rooks,KS

Benoit "J"#1-31

Start Date: 2010.11.15 @ 06:14:42

End Date: 2010.11.15 @ 13:29:12

Job Ticket #: 41304 DST #: 6

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



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DRILL STEM TEST REPORT

Black Diamond Oil Inc

PO Box 641
Hays KS 67601-0641

ATTN: Ken Vehige

Benoit "J" #1-31

31-7s-20w Rooks, KS

Job Ticket: 41304

DST#: 6

Test Start: 2010.11.15 @ 06:14:42

GENERAL INFORMATION:

Formation: **Marmaton-Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:31:12

Time Test Ended: 13:29:12

Interval: **3474.00 ft (KB) To 3538.00 ft (KB) (TVD)**

Total Depth: **3538.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: Poor

Test Type: Conventional Bottom Hole

Tester: Dustin Rash

Unit No: 42

Reference Elevations: 2058.00 ft (KB)

2050.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: **6625**

Inside

Press@RunDepth: 68.09 psig @ 3478.00 ft (KB)

Start Date: 2010.11.15

End Date:

2010.11.15

Start Time: 06:14:47

End Time:

13:29:11

Capacity: 8000.00 psig

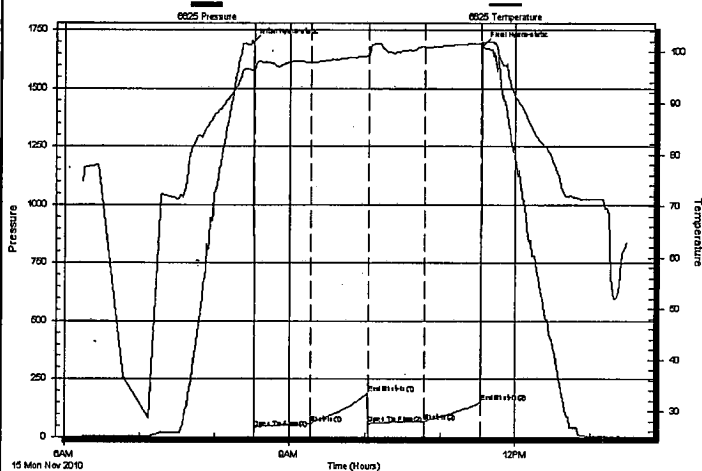
Last Calib.: 2010.11.15

Time On Btm: 2010.11.15 @ 08:29:42

Time Off Btm: 2010.11.15 @ 11:33:42

TEST COMMENT: IF-Weak building blow. Built to 5.5 inches.
IS-No Return.
FF-Weak building blow. Built to 5 inches.
FSI-Surging surface bubbles @ 20 minutes.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1697.47	96.43	Initial Hydro-static
2	37.47	96.27	Open To Flow (1)
47	56.58	97.98	Shut-In(1)
93	187.82	99.25	End Shut-In(1)
93	58.89	99.30	Open To Flow (2)
138	68.09	101.00	Shut-In(2)
183	149.83	101.69	End Shut-In(2)
184	1684.08	101.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	60%Mud/40%Oil	0.15
40.00	60%Oil/40%Mud	0.56
20.00	100%Oil	0.28

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

Prepared For: **Black Diamond Oil Inc**

PO Box 641
Hays KS 67601-0641

ATTN: Ken Vehige

31-7s-20w Rooks,KS

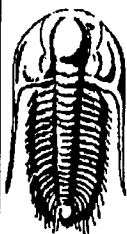
Benoit "J"#1-31

Start Date: 2010.11.16 @ 06:03:23

End Date: 2010.11.16 @ 14:10:23

Job Ticket #: 41305 DST #: 7

Trilobite Testing, Inc
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DRILL STEM TEST REPORT

Black Diamond Oil Inc

PO Box 641
Hays KS 67601-0641

ATTN: Ken Vehige

Benoit "J" #1-31

31-7s-20w Rooks, KS

Job Ticket: 41305

DST#: 7

Test Start: 2010.11.16 @ 06:03:23

GENERAL INFORMATION:

Formation: Lower Arbuckle

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:41:53

Time Test Ended: 14:10:23

Interval: 3535.00 ft (KB) To 3558.00 ft (KB) (TVD)

Total Depth: 3601.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Test Type: Conventional Straddle

Tester: Dustin Rash

Unit No: 42

Reference Elevations: 2058.00 ft (KB)

2050.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6625

Inside

Press@RunDepth: 175.33 psig @ 3536.00 ft (KB)

Start Date: 2010.11.16

End Date:

2010.11.16

Start Time: 06:03:28

End Time:

14:10:22

Capacity: 8000.00 psig

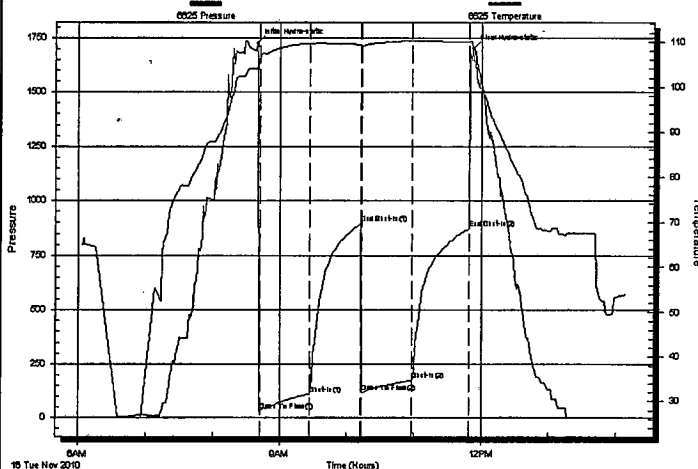
Last Calib.: 2010.11.16

Time On Btm: 2010.11.16 @ 08:39:53

Time Off Btm: 2010.11.16 @ 11:52:23

TEST COMMENT: IF-Fair building blow. BOB in 11 minutes.
ISI-Return @ 45 seconds. Steady @ 1/2 inch.
FF-Fair building blow. BOB in 20 minutes.
FSI-Return @ 3&1/2 minutes. Built to 1&1/2 inches.

Pressure vs. Time



PRESSURE SUMMARY

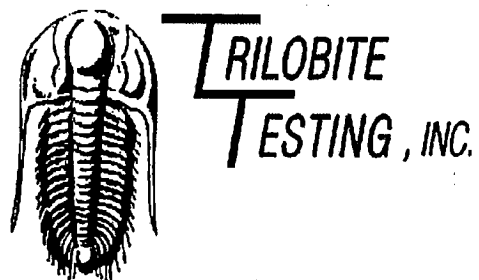
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1724.97	104.39	Initial Hydro-static
2	32.21	105.45	Open To Flow (1)
47	111.16	109.60	Shut-In(1)
93	895.59	109.36	End Shut-In(1)
94	119.57	109.12	Open To Flow (2)
139	175.33	110.14	Shut-In(2)
189	873.51	109.91	End Shut-In(2)
193	1701.21	108.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	mw 90%Water/10%Mud	1.41
120.00	mw 70%Water/30%Mud	1.68
30.00	ocmw 60%Mud/30%Water/10%Oil	0.42
90.00	go 80%Oil/20%Gas	1.26

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

Prepared For: **Black Diamond Oil Inc**

PO Box 641
Hays KS 67601-0641

ATTN: Ken Vehige

31-7s-20w Rooks,KS

Benoit "J"#1-31

Start Date: 2010.11.16 @ 15:05:17

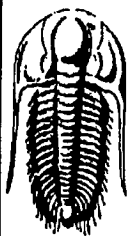
End Date: 2010.11.16 @ 22:04:47

Job Ticket #: 41306 DST #: 8

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ATTN: Ken Vehige

Benoit "J" #1-31

31-7s-20w Rooks, KS

Job Ticket: 41306

DST#: 8

Test Start: 2010.11.16 @ 15:05:17

GENERAL INFORMATION:

Formation: LKC H

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:08:17

Time Test Ended: 22:04:47

Interval: 3385.00 ft (KB) To 3436.00 ft (KB) (TVD)

Total Depth: 3601.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Test Type: Conventional Straddle

Tester: Dustin Rash

Unit No: 42

Reference Elevations: 2058.00 ft (KB)

2050.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8652

Outside

Press@RunDepth: 123.71 psig @ 3419.00 ft (KB)

Start Date: 2010.11.16

End Date: 2010.11.16

Start Time: 15:05:22

End Time: 22:04:46

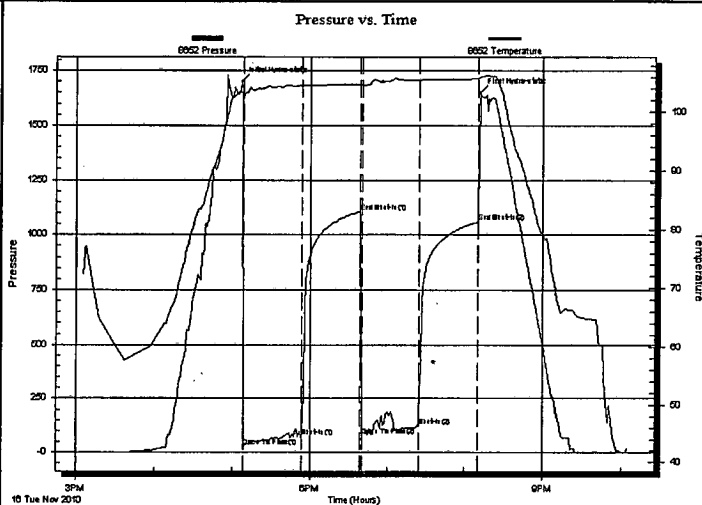
Capacity: 8000.00 psig

Last Calib.: 2010.11.16

Time On Btm: 2010.11.16 @ 17:06:47

Time Off Btm: 2010.11.16 @ 20:11:47

TEST COMMENT: IF-Fair building blow. Built to 8 inches.
IS-No Return.
FF-Weak building blow after 3.5 minutes. Built to 5 & 1/4 inches.
FS-No Return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1699.14	103.41	Initial Hydro-static
2	29.99	102.35	Open To Flow (1)
47	73.89	104.46	Shut-In(1)
92	1106.69	104.81	End Shut-In(1)
93	76.58	104.57	Open To Flow (2)
138	123.71	105.40	Shut-In(2)
184	1060.58	105.68	End Shut-In(2)
185	1649.99	105.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
140.00	100% Mud	1.69

Gas Rates

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