

15-163-23485

Black Diamond Oil Inc.

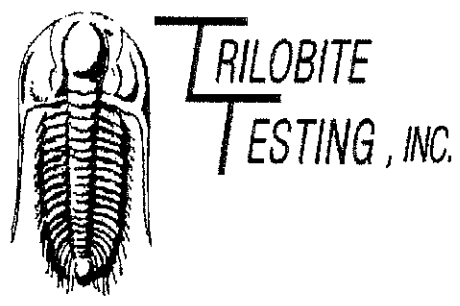
Le Roy Unit # 1

17-7s-20w

DST # 1

Tr.-L.Kc.-A

2005.10.24



### DRILL STEM TEST REPORT

Prepared For: **Black Diamond Oil Inc.**  
 PO Box 641  
 Hays KS 67601

ATTN: Kenneth Vehige

**17-7s-20w**

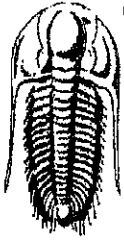
**Le Roy Unit # 1**

Start Date: 2005.10.24 @ 10:57:01  
 End Date: 2005.10.24 @ 16:36:01  
 Job Ticket #: 22272      DST #: 1

**RECEIVED**  
**JAN 25 2006**  
**KCC WICHITA**

15-163-23485-00-00  
 NE NW NE NW  
 160 FNL 1700 FWL

Trilobite Testing, Inc  
 PO Box 362 Hays, KS 67601  
 ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Black Diamond Oil Inc.

**Le Roy Unit # 1**

PO Box 641  
Hays KS 67601

**17-7s-20w**

Job Ticket: 22272

DST#: 1

ATTN: Kenneth Vehige

Test Start: 2005.10.24 @ 10:57:01

## GENERAL INFORMATION:

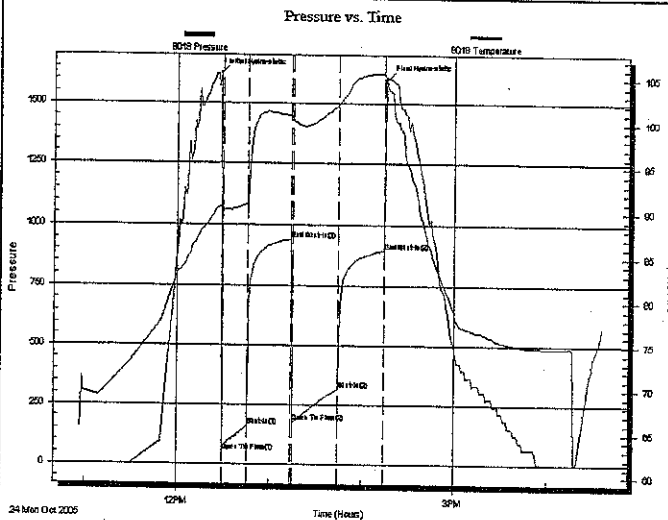
Formation: **Tor.-L.Kc.-A**  
 Deviated: **No Whipstock** ft (KB)  
 Time Tool Opened: 12:29:31  
 Time Test Ended: 16:36:01  
 Interval: **3342.00 ft (KB) To 3414.00 ft (KB) (TVD)**  
 Total Depth: **3414.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**  
 Test Type: **Conventional Bottom Hole**  
 Tester: **John Schridt**  
 Unit No: **31**  
 Reference Elevations: **2155.00 ft (KB)**  
**2150.00 ft (CF)**  
 KB to GR/CF: **5.00 ft**

## Serial #: 8018

Inside

Press@RunDepth: **315.71 psig @ 3345.00 ft (KB)** Capacity: **7000.00 psig**  
 Start Date: **2005.10.24** End Date: **2005.10.24** Last Calib.: **2005.10.24**  
 Start Time: **10:57:06** End Time: **16:36:00** Time On Btm: **2005.10.24 @ 12:28:31**  
 Time Off Btm: **2005.10.24 @ 14:16:31**

TEST COMMENT: IF-Strong B.O.B.2 min. ISI-Strong B.O.B.26 min.  
 FF-Strong B.O.B.2 min. FSI-Strong B.O.B.18 min.



## PRESSURE SUMMARY

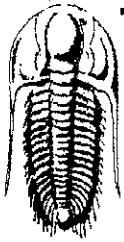
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1622.74	90.78	Initial Hydro-static
1	51.09	90.36	Open To Flow (1)
17	160.18	91.03	Shut-In(1)
46	940.21	100.82	End Shut-In(1)
47	175.56	100.45	Open To Flow (2)
76	315.71	102.07	Shut-In(2)
106	894.19	105.57	End Shut-In(2)
108	1602.39	104.06	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
816.00	Gassy oil-10%G-90%oil	10.34
0.00	800 gas in pipe	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Black Diamond Oil Inc.

**Le Roy Unit # 1**

PO Box 641  
Hays KS 67601

**17-7s-20w**

Job Ticket: 22272

**DST#: 1**

ATTN: Kenneth Vehige

Test Start: 2005.10.24 @ 10:57:01

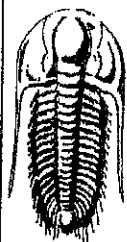
**Tool Information**

Drill Pipe:	Length: 3231.00 ft	Diameter: 3.80 inches	Volume: 45.32 bbl	Tool Weight: 200.00 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: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 45.92 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3342.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	72.00 ft			
Tool Length:	92.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3323.00	
Shut in Tool	5.00			3328.00	
Hydraulic tool	5.00			3333.00	
Packer	4.00			3337.00	20.00 Bottom Of Top Packer
Packer	5.00			3342.00	
Stubb	1.00			3343.00	
Perforations	1.00			3344.00	
Change Over Sub	1.00			3345.00	
Recorder	0.00	8018	Inside	3345.00	
Blank Spacing	30.00			3375.00	
Recorder	0.00	11084	Outside	3375.00	
Blank Spacing	30.00			3405.00	
Change Over Sub	1.00			3406.00	
Perforations	5.00			3411.00	
Bullnose	3.00			3414.00	72.00 Bottom Packers & Anchor

**Total Tool Length: 92.00**



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Black Diamond Oil Inc.

**Le Roy Unit # 1**

PO Box 641  
Hays KS 67601

**17-7s-20w**

Job Ticket: 22272

**DST#: 1**

ATTN: Kenneth Vehige

Test Start: 2005.10.24 @ 10:57:01

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: in<sup>3</sup>

Resistivity: ohm.m

Salinity: ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

31 deg API

Water Salinity:

ppm

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
816.00	Gassy oil-10%G-90%oil	10.344
0.00	800 gas in pipe	0.000

Total Length: 816.00 ft      Total Volume: 10.344 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

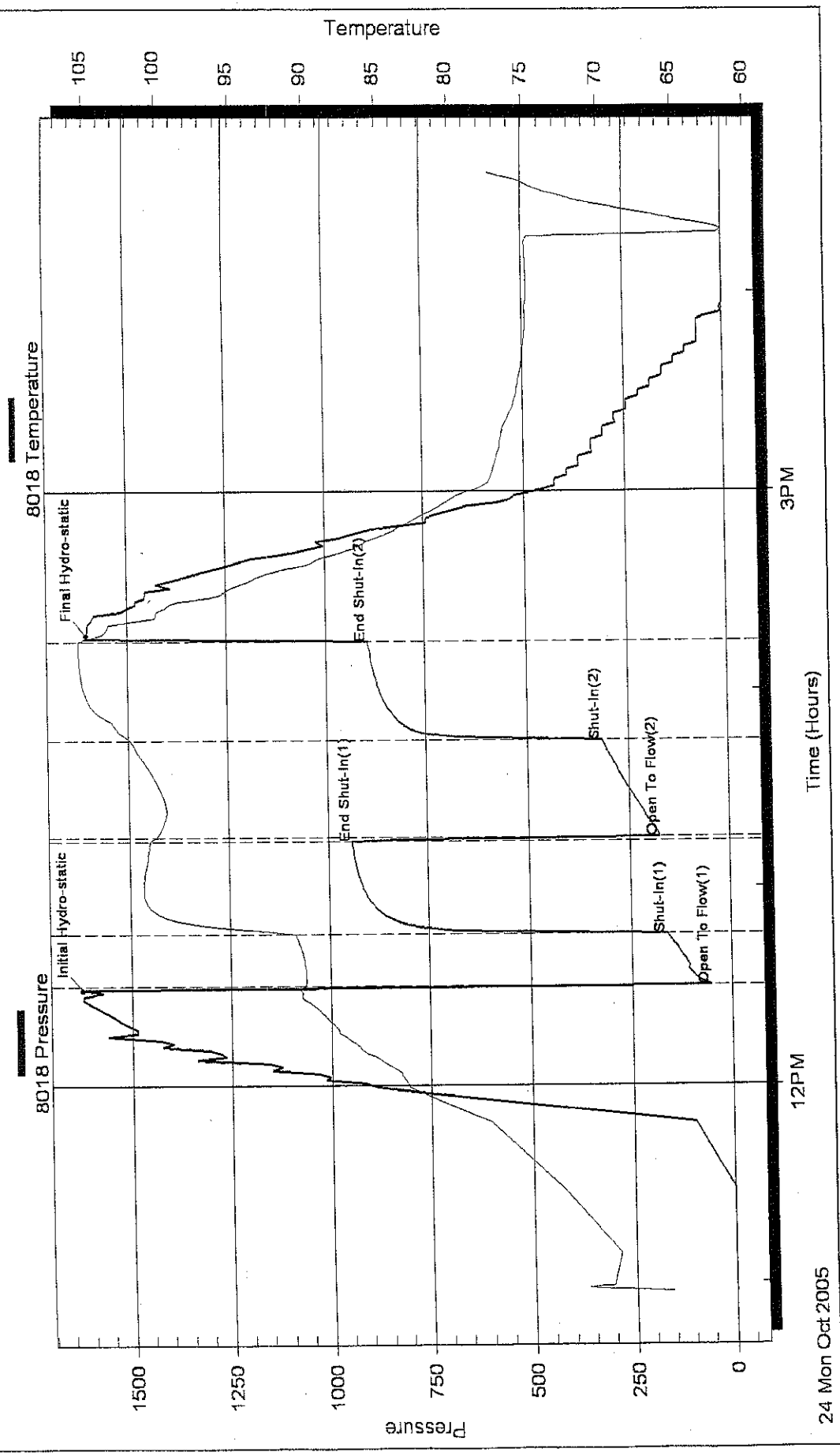
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time

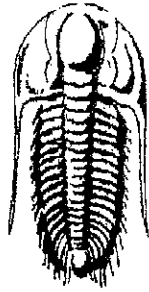


24 Mon Oct 2005

12PM

3PM

Time (Hours)



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Black Diamond Oil Inc.**

PO Box 641  
Hays KS 67601

ATTN: Kenneth Vehige

**17--7s--20w**

**Le Roy Unit # 1**

Start Date: 2005.10.25 @ 02:42:19

End Date: 2005.10.25 @ 08:07:49

Job Ticket #: 22273

DST #: 2

Black Diamond Oil Inc.

Le Roy Unit # 1

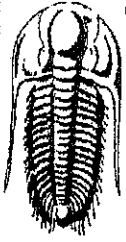
17--7s--20w

DST # 2

L/Kc-CDEF

2005.10.25

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE TESTING, INC.**

**DRILL STEM TEST REPORT**

Black Diamond Oil Inc.

**Le Roy Unit # 1**

PO Box 641  
Hays KS 67601

**17-7s-20w**

ATTN: Kenneth Vehige

Job Ticket: 22273

**DST#: 2**

Test Start: 2005.10.25 @ 02:42:19

**GENERAL INFORMATION:**

Formation: **L.Kc.-CDEF**  
 Deviated: **No Whipstock** ft (KB)  
 Time Tool Opened: 04:30:49  
 Time Test Ended: 08:07:49

Test Type: **Conventional Bottom Hole**  
 Tester: **John Schmidt**  
 Unit No: **31**

Interval: **3408.00 ft (KB) To 3473.00 ft (KB) (TVD)**  
 Total Depth: **3473.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**

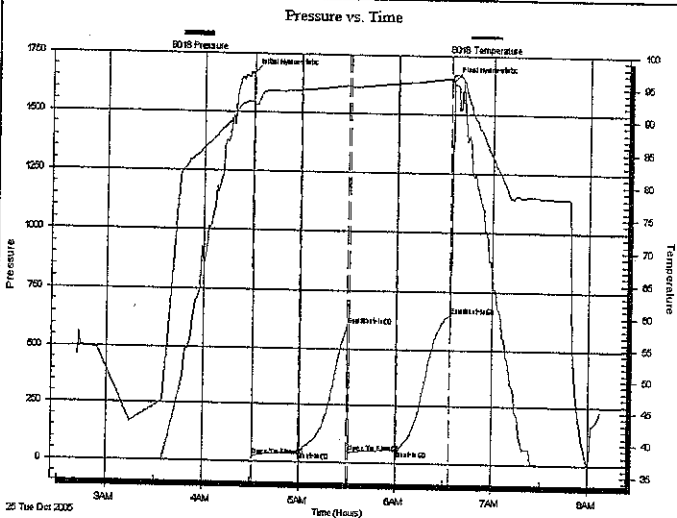
Reference Elevations: **2155.00 ft (KB)**  
**2150.00 ft (CF)**  
 KB to GRVCF: **5.00 ft**

**Serial #: 8018 Inside**

Press@RunDepth: **56.97 psig @ 3413.00 ft (KB)**  
 Start Date: **2005.10.25** End Date: **2005.10.25**  
 Start Time: **02:42:24** End Time: **08:07:48**

Capacity: **7000.00 psig**  
 Last Calib.: **2005.10.25**  
 Time On Btm: **2005.10.25 @ 04:30:19**  
 Time Off Btm: **2005.10.25 @ 06:34:49**

TEST COMMENT: IF-Good built to 9" in. ISI-Weak surface  
 FF-Good built to 8" in. FSI-Dead



**PRESSURE SUMMARY**

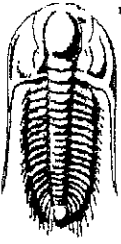
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1664.56	92.52	Initial Hydro-static
1	19.25	92.12	Open To Flow (1)
30	42.77	94.40	Shut-In(1)
60	600.98	95.14	End Shut-In(1)
61	45.01	94.96	Open To Flow (2)
91	56.97	95.54	Shut-In(2)
123	651.28	96.42	End Shut-In(2)
125	1640.66	96.93	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
90.00	MCO-35%M-65%oil	0.44
10.00	Clean oil	0.05
0.00	140 gas in pipe	0.00

**Gas Rates**

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Black Diamond Oil Inc.

**Le Roy Unit # 1**

PO Box 641  
Hays KS 67601

**17-7s-20w**

Job Ticket: 22273

DST#: 2

ATTN: Kenneth Vehige

Test Start: 2005.10.25 @ 02:42:19

### Tool Information

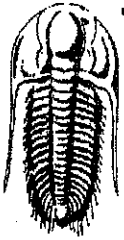
Drill Pipe:	Length: 3289.00 ft	Diameter: 3.80 inches	Volume: 46.14 bbl	Tool Weight: 200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 46.74 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3408.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	65.00 ft			
Tool Length:	85.00 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			3389.00	
Shut In Tool	5.00			3394.00	
Hydraulic tool	5.00			3399.00	
Packer	4.00			3403.00	20.00 Bottom Of Top Packer
Packer	5.00			3408.00	
Stubb	1.00			3409.00	
Perforations	3.00			3412.00	
Change Over Sub	1.00			3413.00	
Recorder	0.00	8018	Inside	3413.00	
Blank Spacing	31.00			3444.00	
Change Over Sub	1.00			3445.00	
Recorder	0.00	11084	Outside	3445.00	
Perforations	25.00			3470.00	
Bullnose	3.00			3473.00	65.00 Bottom Packers & Anchor

**Total Tool Length: 85.00**



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Black Diamond Oil Inc.

**Le Roy Unit # 1**

PO Box 641  
Hays KS 67601

**17-7s-20w**

Job Ticket: 22273

**DST#: 2**

ATTN: Kenneth Vehige

Test Start: 2005.10.25 @ 02:42:19

### Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	MCO-35%M-65%oil	0.443
10.00	Clean oil	0.049
0.00	140 gas in pipe	0.000

Total Length: 100.00 ft      Total Volume: 0.492 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

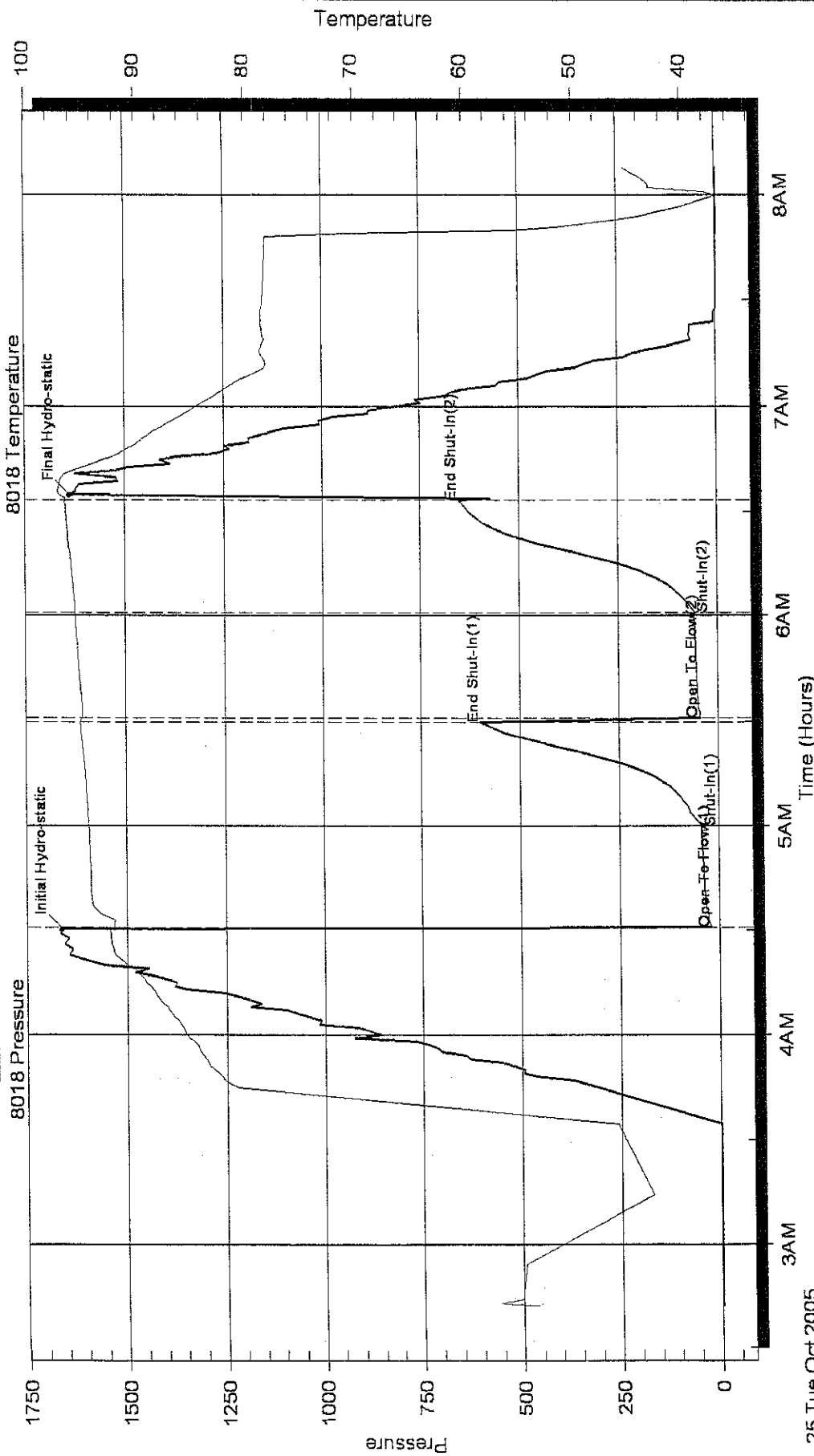
Serial #:

Laboratory Name:

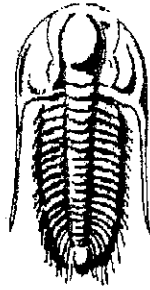
Laboratory Location:

Recovery Comments:

# Pressure vs. Time



25 Tue Oct 2005



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Black Diamond Oil Inc.**

PO Box 641  
Hays KS 67601

ATTN: Kenneth Vehige

**17--7s--20w**

**Le Roy Unit # 1**

Start Date: 2005.10.25 @ 17:42:09

End Date: 2005.10.25 @ 23:29:39

Job Ticket #: 22274                      DST #: 3

Black Diamond Oil Inc.

Le Roy Unit # 1

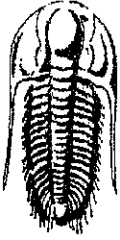
17--7s--20w

DST # 3

L.Kc.-HIJ

2005.10.25

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE TESTING, INC.**

**DRILL STEM TEST REPORT**

Black Diamond Oil Inc.

Le Roy Unit # 1

PO Box 641  
Hays KS 67601

17-7s-20w

Job Ticket: 22274

DST#: 3

ATTN: Kenneth Vehige

Test Start: 2005.10.25 @ 17:42:09

**GENERAL INFORMATION:**

Formation: L.Kc.-HIJ  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 19:11:09  
Time Test Ended: 23:29:39

Test Type: Conventional Bottom Hole  
Tester: John Schmidt  
Unit No: 31

Interval: 3518.00 ft (KB) To 3568.00 ft (KB) (TVD)  
Total Depth: 3568.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair

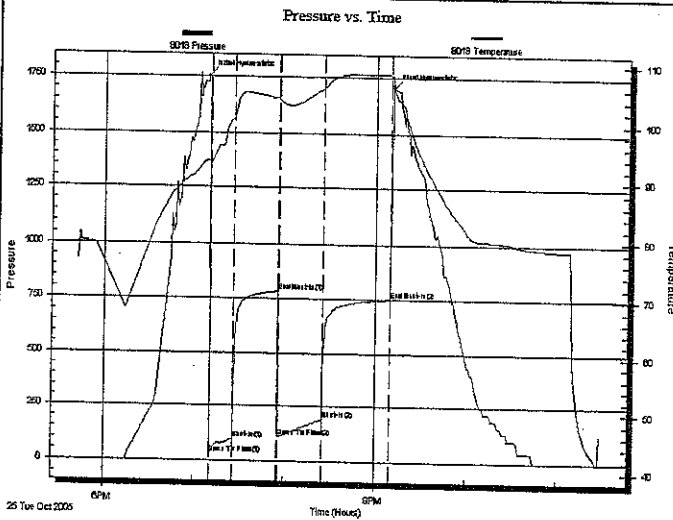
Reference Elevations: 2155.00 ft (KB)  
2150.00 ft (CF)  
KB to GR/CF: 5.00 ft

**Serial #: 8018 Inside**

Press@RunDepth: 190.07 psig @ 3521.00 ft (KB)  
Start Date: 2005.10.25 End Date: 2005.10.25  
Start Time: 17:42:14 End Time: 23:29:38

Capacity: 7000.00 psig  
Last Calib.: 2005.10.25  
Time On Btm: 2005.10.25 @ 19:09:39  
Time Off Btm: 2005.10.25 @ 21:11:39

TEST COMMENT: IF-Strong B.O.B.4 min. ISI-Strong B.O.B.17 min.  
FF-Strong B.O.B.4 min. FS-Strong B.O.B.10 min.



**PRESSURE SUMMARY**

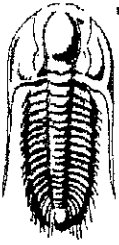
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1754.48	93.60	Initial Hydro-static
2	27.24	93.13	Open To Flow (1)
17	97.42	101.08	Shut-In(1)
47	782.29	104.36	End Shut-In(1)
47	108.94	104.08	Open To Flow (2)
76	190.07	105.90	Shut-In(2)
120	750.69	108.31	End Shut-In(2)
122	1706.02	105.89	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
595.00	Gassy oil 10%gas 90%oil	7.24
0.00	870 gas in pipe	0.00

**Gas Rates**

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



**TRILOBITE**  
TESTING, INC.

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Black Diamond Oil Inc.

Le Roy Unit # 1

PO Box 641.  
Hays KS 67601

17-7s-20w

Job Ticket: 22274

DST#: 3

ATTN: Kenneth Vehige

Test Start: 2005.10.25 @ 17:42:09

### Tool Information

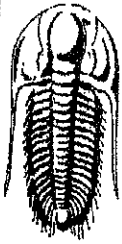
Drill Pipe:	Length: 3384.00 ft	Diameter: 3.80 inches	Volume: 47.47 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 48.07 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 43000.00 lb
Depth to Top Packer:	3518.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.00 ft			
Tool Length:	70.00 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			3499.00	
Shut In Tool	5.00			3504.00	
Hydraulic tool	5.00			3509.00	
Packer	4.00			3513.00	20.00 Bottom Of Top Packer
Packer	5.00			3518.00	
Stubb	1.00			3519.00	
Perforations	1.00			3520.00	
Change Over Sub	1.00			3521.00	
Recorder	0.00	8018	Inside	3521.00	
Blank Spacing	31.00			3552.00	
Recorder	0.00	11084	Outside	3552.00	
Perforations	12.00			3564.00	
Change Over Sub	1.00			3565.00	
Bullnose	3.00			3568.00	50.00 Bottom Packers & Anchor

**Total Tool Length: 70.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Black Diamond Oil Inc.

**Le Roy Unit # 1**

PO Box 641  
Hays KS 67601

**17-7s-20w**

Job Ticket: 22274

**DST#: 3**

ATTN: Kenneth Vehige

Test Start: 2005.10.25 @ 17:42:09

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

39 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbf
595.00	Gassy oil 10%gas 90%oil	7.244
0.00	870 gas in pipe	0.000

Total Length: 595.00 ft

Total Volume: 7.244 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

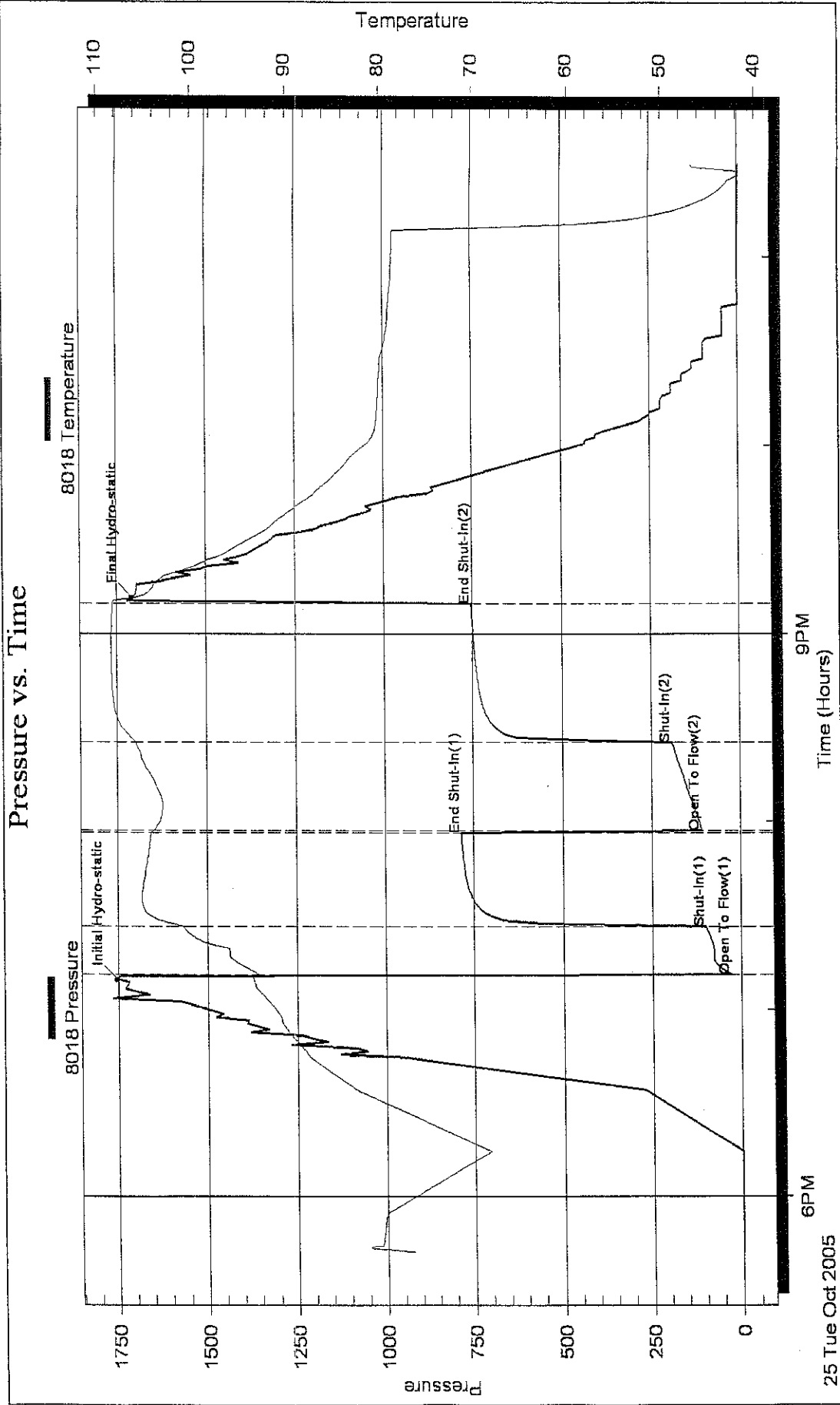
Serial #:

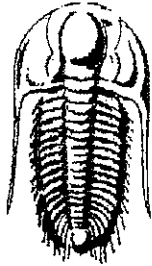
Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Black Diamond Oil Inc.**

PO Box 641  
Hays KS 67601

ATTN: Kenneth Vehige

**17--7s--20w**

**Le Roy Unit # 1**

Start Date: 2005.10.26 @ 07:45:03

End Date: 2005.10.26 @ 14:07:33

Job Ticket #: 22275                      DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Black Diamond Oil Inc.

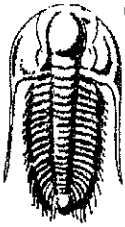
Le Roy Unit # 1

17--7s--20w

DST # 4

Marr. & Arbuckle

2005.10.26



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Black Diamond Oil Inc.

**Le Roy Unit # 1**

PO Box 641  
Hays KS 67601

**17-7s-20w**

Job Ticket: 22275

DST#: 4

ATTN: Kenneth Vehige

Test Start: 2005.10.26 @ 07:45:03

## GENERAL INFORMATION:

Formation: **Marm. & Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:15:33

Time Test Ended: 14:07:33

Test Type: Conventional Bottom Hole

Tester: John Schmidt

Unit No: 31

Interval: **3576.00 ft (KB) To 3625.00 ft (KB) (TVD)**

Reference Elevations: 2155.00 ft (KB)

Total Depth: 3625.00 ft (KB) (TVD)

2150.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8018**

Inside

Press@RunDepth: 44.97 psig @ 3579.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2005.10.26

End Date: 2005.10.26

Last Calib.: 2005.10.26

Start Time: 07:45:08

End Time: 14:07:32

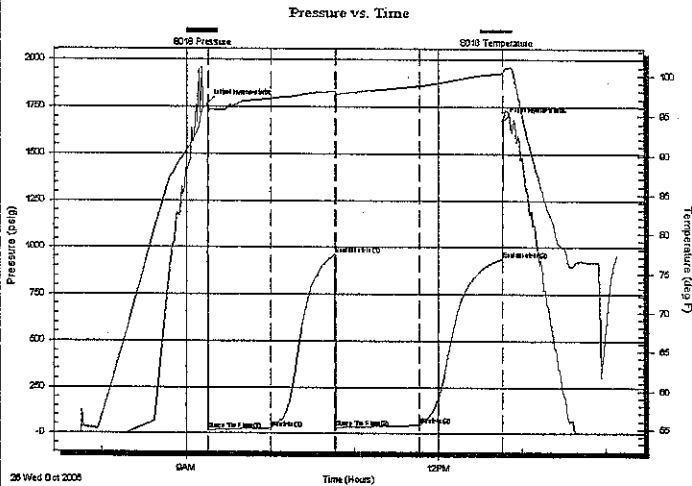
Time On Btrr: 2005.10.26 @ 09:15:03

Time Off Btrr: 2005.10.26 @ 12:46:03

TEST COMMENT: IF-Weak built to 3" in.  
FF-Weak built to 4" in.

IS-Dead

FSI-Dead



## PRESSURE SUMMARY

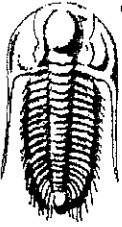
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1763.40	96.09	Initial Hydro-static
1	14.36	95.39	Open To Flow (1)
45	28.02	97.13	Shut-In(1)
91	961.87	98.07	End Shut-In(1)
92	31.41	97.72	Open To Flow (2)
151	44.97	98.76	Shut-In(2)
211	937.39	100.31	End Shut-In(2)
211	1677.94	100.73	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
75.00	MCO-20% mud-80% oil	0.37

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Black Diamond Oil Inc.

Le Roy Unit # 1

PO Box 641  
Hays KS 67601

17-7s-20w

Job Ticket: 22275

DST#: 4

ATTN: Kenneth Vehige

Test Start: 2005.10.26 @ 07:45:03

### Tool Information

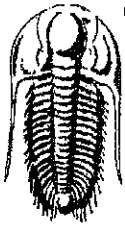
Drill Pipe:	Length: 3447.00 ft	Diameter: 3.80 inches	Volume: 48.35 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 51000.00 lb
			<u>Total Volume: 48.95 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3576.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	49.00 ft			
Tool Length:	69.00 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			3557.00	
Shut In Tool	5.00			3562.00	
Hydraulic tool	5.00			3567.00	
Packer	4.00			3571.00	20.00 Bottom Of Top Packer
Packer	5.00			3576.00	
Stubb	1.00			3577.00	
Perforations	1.00			3578.00	
Change Over Sub	1.00			3579.00	
Recorder	0.00	8018	Inside	3579.00	
Blank Spacing	30.00			3609.00	
Change Over Sub	1.00			3610.00	
Recorder	0.00	11084	Outside	3610.00	
Perforations	12.00			3622.00	
Bullnose	3.00			3625.00	49.00 Bottom Packers & Anchor

**Total Tool Length: 69.00**



**TRILOBITE**  
TESTING, INC.

# DRILL STEM TEST REPORT

FLUID SUMMARY

Black Diamond Oil Inc.

Le Roy Unit # 1

PO Box 641  
Hays KS 67601

17-7s-20w

Job Ticket: 22275

DST#: 4

ATTN: Kenneth Vehige

Test Start: 2005.10.26 @ 07:45:03

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbf

Water Loss: in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbf
75.00	MCO-20% mud-80% oil	0.369

Total Length: 75.00 ft      Total Volume: 0.369 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

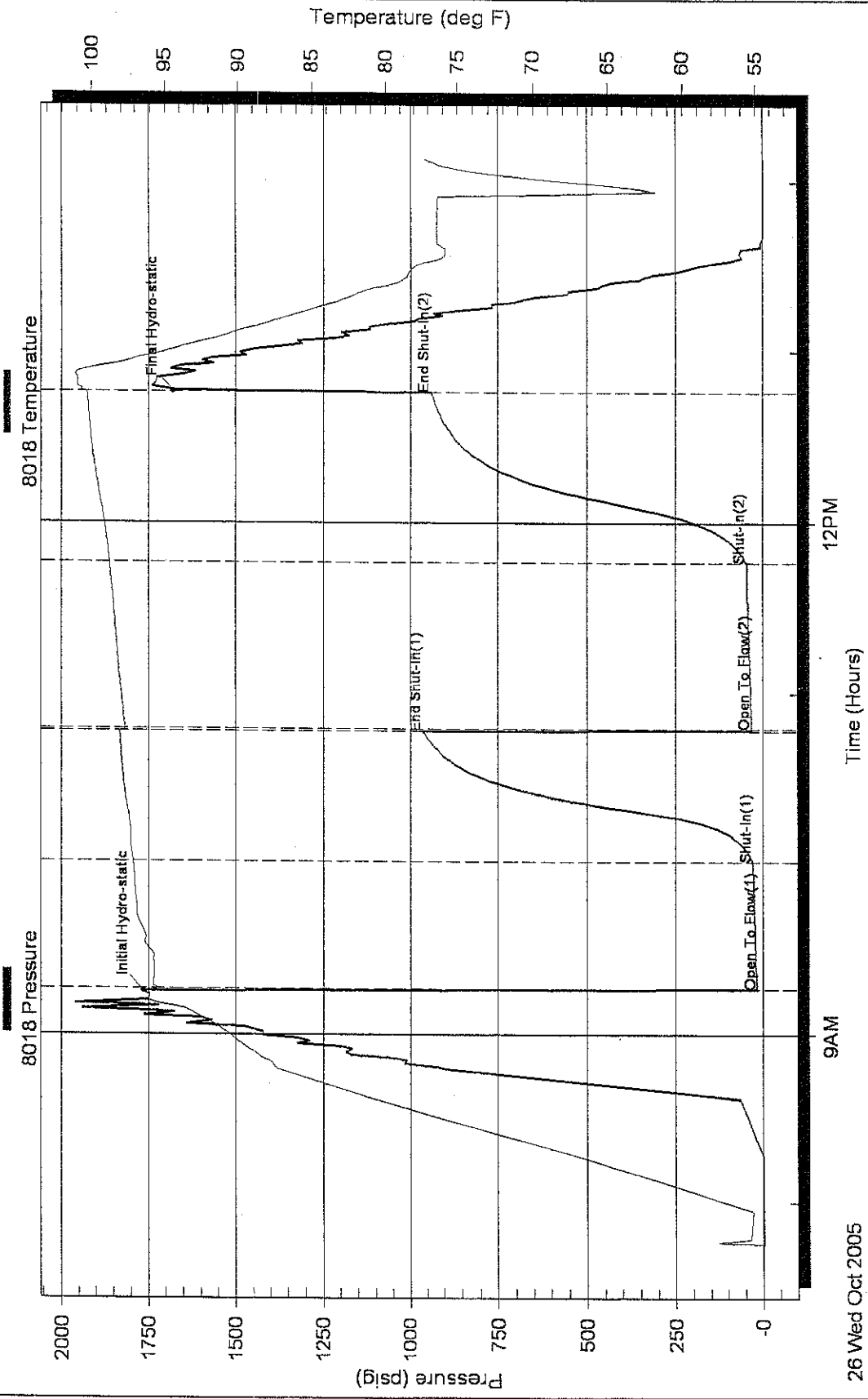
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time



26 Wed Oct 2005

9AM

12PM