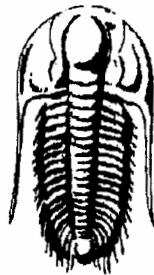


18-6s-20w



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Black Diamond Oil**

ATTN: Tony Richardson

18 6 20 Rooks KS

Hicks #1

Start Date: 2006.11.15 @ 08:47:47

End Date: 2006.11.15 @ 14:01:17

Job Ticket #: 26821 DST #: 1

19-163-23567

SW SE SE

330 FSL 950 FEL

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2006.11.20 @ 12:06:40 Page 1

RECEIVED

FEB 28 2007

KCC WICHITA

Black Diamond Oil

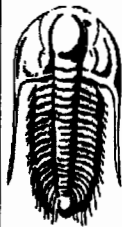
Hicks #1

18 6 20 Rooks KS

DST # 1

LKC

2006.11.15



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Black Diamond Oil

Hicks #1

18 6 20 Rooks KS

Job Ticket: 26821

DST#: 1

ATTN: Tony Richardson

Test Start: 2006.11.15 @ 08:47:47

GENERAL INFORMATION:

Formation: LKC

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:50:37

Time Test Ended: 14:01:17

Test Type: Conventional Bottom Hole

Tester: Michael Armbrister

Unit No: 21

Interval: 3662.00 ft (KB) To 3745.00 ft (KB) (TVD)

Total Depth: 3745.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2255.00 ft (KB)

2250.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8289

Inside

Press@RunDepth: 26.59 psig @ 3665.00 ft (KB)

Start Date: 2006.11.15

End Date:

2006.11.15

Capacity: 7000.00 psig

Last Calib.: 2006.11.15

Start Time: 08:47:52

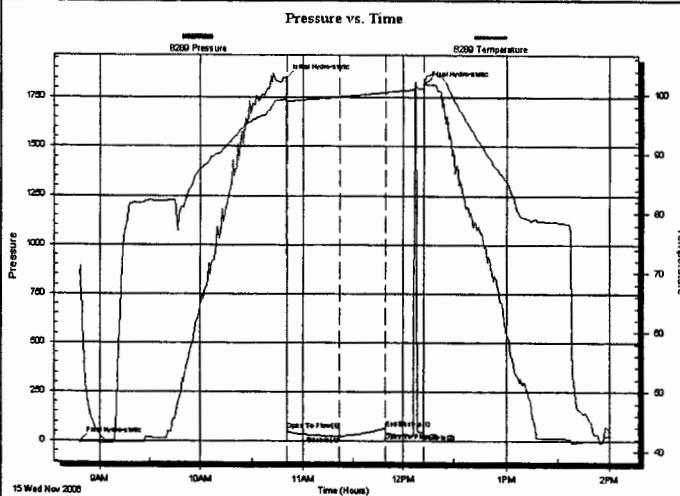
End Time:

14:01:16

Time On Btm: 2006.11.15 @ 10:50:17

Time Off Btm: 2006.11.15 @ 08:47:52

TEST COMMENT: IF Surface Blow
ISI Dead
FF Died 5 m Flushed
PULLED



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	-4.72	69.57	Final Hydro-static
123	1848.81	99.35	Initial Hydro-static
123	55.70	98.92	Open To Flow (1)
155	26.59	99.66	Shut-In (1)
182	64.03	100.42	End Shut-In (1)
182	45.96	100.43	Open To Flow (2)
205	40.63	101.10	Shut-In (2)
205	1814.58	101.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Drilling Mud	0.10

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Black Diamond Oil

Hicks #1

18 6 20 Rooks KS

Job Ticket: 26821

DST#: 1

ATTN: Tony Richardson

Test Start: 2006.11.15 @ 08:47:47

Tool Information

Drill Pipe:	Length: 3551.00 ft	Diameter: 3.80 inches	Volume: 49.81 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 118.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 42000.00 lb
		Total Volume: 50.39 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3662.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	83.00 ft			
Tool Length:	104.00 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			3642.00	
Shut In Tool	5.00			3647.00	
Hydraulic tool	5.00			3652.00	
Packer	5.00			3657.00	21.00 Bottom Of Top Packer
Packer	5.00			3662.00	
Stubb	1.00			3663.00	
Perforations	2.00			3665.00	
Recorder	0.00	8289	Inside	3665.00	
Blank Spacing	62.00			3727.00	
Perforations	15.00			3742.00	
Recorder	0.00	3351	Inside	3742.00	
Bullnose	3.00			3745.00	83.00 Bottom Packers & Anchor

Total Tool Length: 104.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Black Diamond Oil

Hicks #1

18 6 20 Rooks KS

Job Ticket: 26821

DST#: 1

ATTN: Tony Richardson

Test Start: 2006.11.15 @ 08:47:47

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 44.00 sec/qt

Water Loss: 8.78 in³

Resistivity: ohm.m

Salinity: 1000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Drilling Mud	0.098

Total Length: 20.00 ft

Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

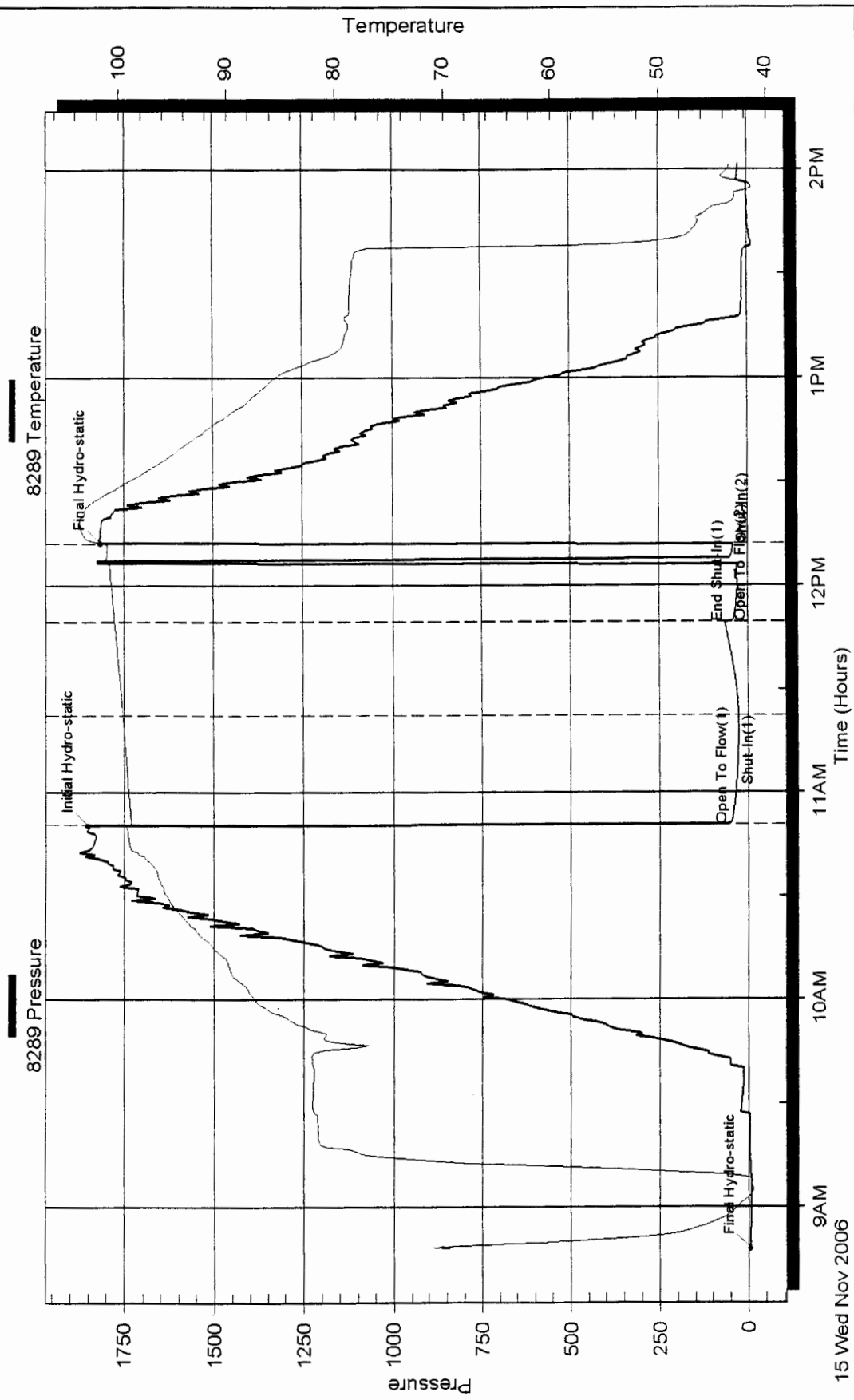
Serial #:

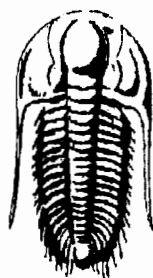
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Black Diamond Oil**

ATTN: Tony Richardson

18 6 20 Rooks KS

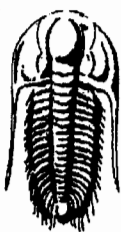
Hicks #1

Start Date: 2006.11.15 @ 18:58:25

End Date: 2006.11.16 @ 02:51:34

Job Ticket #: 26822 DST #: 2

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

Hicks #1

18 6 20 Rooks KS

Job Ticket: 26822

DST#: 2

ATTN: Tony Richardson

Test Start: 2006.11.15 @ 18:58:25

GENERAL INFORMATION:

Formation: **ARB**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 20:26:15

Time Test Ended: 02:51:34

Test Type: Conventional Bottom Hole

Tester: Michael Armbrister

Unit No: 21

Interval: **3713.00 ft (KB) To 3750.00 ft (KB) (TVD)**

Total Depth: **3750.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2255.00 ft (KB)**

2250.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: **8289**

Inside

Press@RunDepth: **81.52 psig @ 3714.00 ft (KB)**

Start Date: **2006.11.15**

End Date: **2006.11.16**

Capacity: **7000.00 psig**

Last Calib.: **2006.11.16**

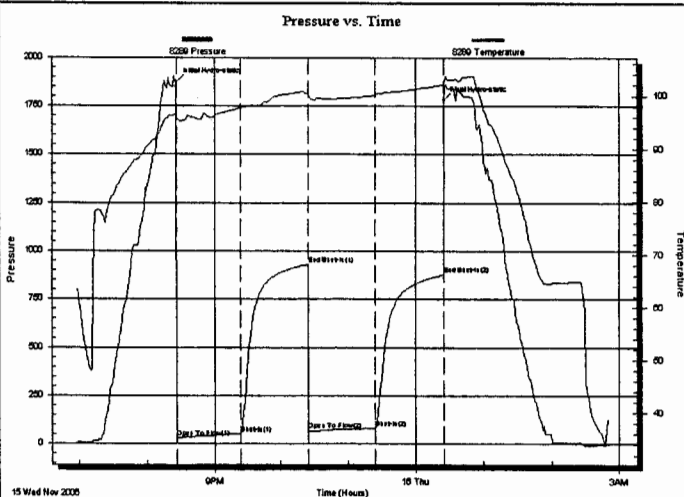
Start Time: **18:58:30**

End Time: **02:51:35**

Time On Btm: **2006.11.15 @ 20:25:55**

Time Off Btm: **2006.11.16 @ 00:25:24**

TEST COMMENT: IF Slow building 3 1/2 " Blow
ISI Dead
FF Slow building 1 " Blow
FSI Dead



PRESSURE SUMMARY

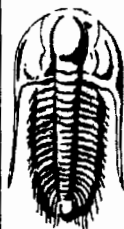
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1875.14	96.17	Initial Hydro-static
1	33.12	95.60	Open To Flow (1)
58	53.21	97.74	Shut-In(1)
119	929.95	100.53	End Shut-In(1)
119	69.53	100.31	Open To Flow (2)
178	81.52	100.14	Shut-In(2)
240	879.10	102.04	End Shut-In(2)
240	1780.39	102.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
130.00	Slightly Oil Spotted Drilling Mud	0.75

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Black Diamond Oil

Hicks #1

18 6 20 Rooks KS

Job Ticket: 26822

DST#: 2

ATTN: Tony Richardson

Test Start: 2006.11.15 @ 18:58:25

Tool Information

Drill Pipe:	Length: 3587.00 ft	Diameter: 3.80 inches	Volume: 50.32 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 118.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose:	44000.00 lb
		Total Volume:	50.90 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial	40000.00 lb
Depth to Top Packer:	3713.00 ft			Final	40000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	37.00 ft				
Tool Length:	58.00 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			3693.00	
Shut In Tool	5.00			3698.00	
Hydraulic tool	5.00			3703.00	
Packer	5.00			3708.00	21.00 Bottom Of Top Packer
Packer	5.00			3713.00	
Stubb	1.00			3714.00	
Recorder	0.00	8289	Inside	3714.00	
Perforations	33.00			3747.00	
Recorder	0.00	3351	Inside	3747.00	
Bullnose	3.00			3750.00	37.00 Bottom Packers & Anchor
Total Tool Length:	58.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Black Diamond Oil

Hicks #1

18 6 20 Rooks KS

Job Ticket: 26822

DST#: 2

ATTN: Tony Richardson

Test Start: 2006.11.15 @ 18:58:25

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 44.00 sec/qt

Water Loss: 8.77 in³

Resistivity: ohm.m

Salinity: 1000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
130.00	Slightly Oil Spotted Drilling Mud	0.749

Total Length: 130.00 ft

Total Volume: 0.749 bbl

Num Fluid Samples: 0

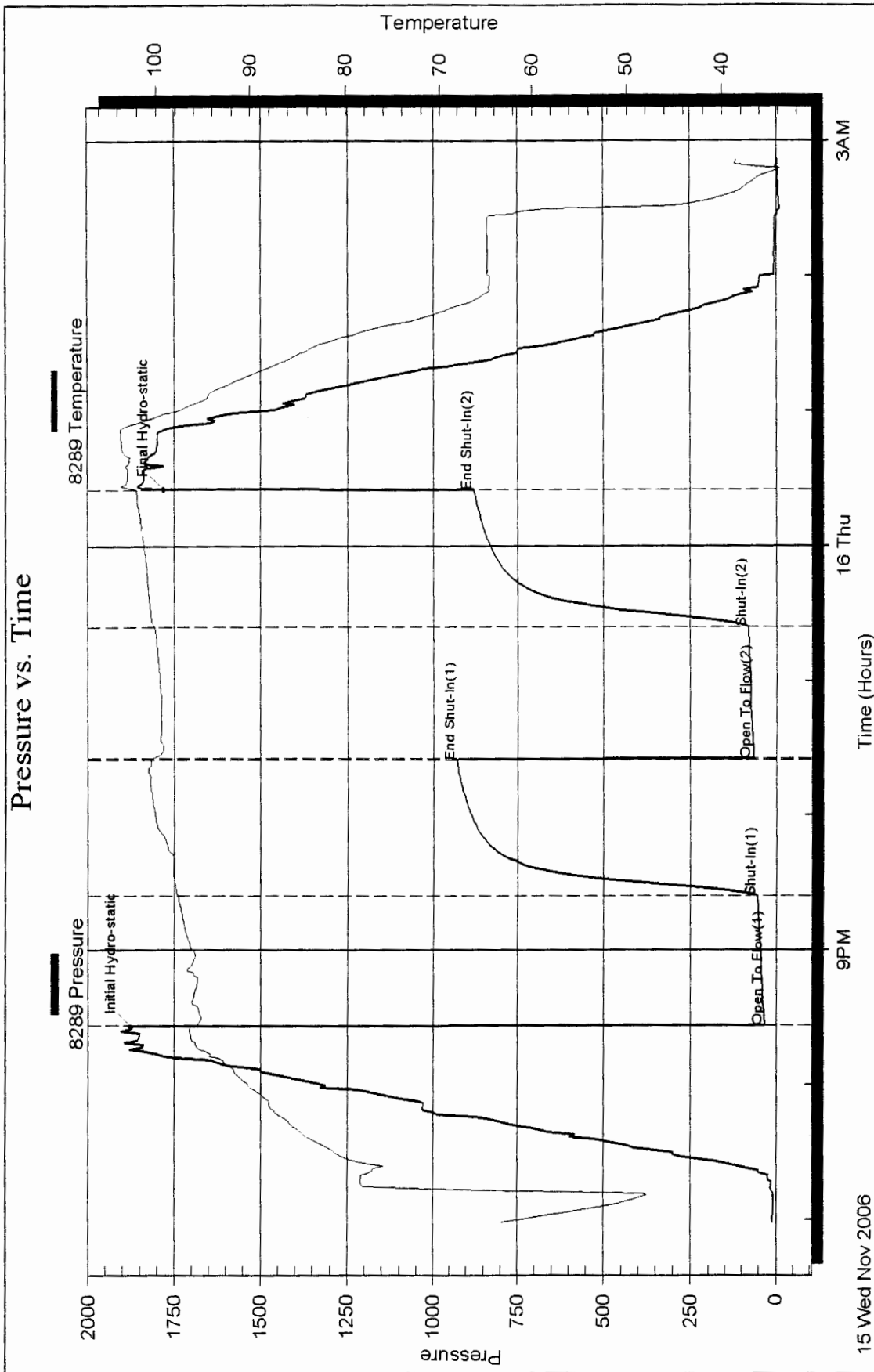
Num Gas Bombs: 0

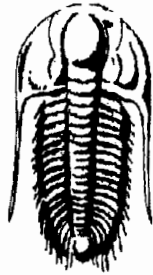
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Black Diamond Oil**

ATTN: Tony Richardson

18 6 20 Rooks KS

Hicks #1

Start Date: 2006.11.15 @ 15:25:47

End Date:

Job Ticket #: 26823

DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Black Diamond Oil

Hicks #1

18 6 20 Rooks KS

DST # 3

Oread

2006.11.15



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Black Diamond Oil

Hicks #1

18 6 20 Rooks KS

Job Ticket: 26823

DST#: 3

ATTN: Tony Richardson

Test Start: 2006.11.15 @ 15:25:47

GENERAL INFORMATION:

Formation: **Oread**

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended:

Test Type: Conventional Straddle

Tester: Tyaon Flax

Unit No: 21

Interval: **3380.00 ft (KB) To 3424.00 ft (KB) (TVD)**

Reference Elevations: 2255.00 ft (KB)

Total Depth: 3808.00 ft (KB) (TVD)

2250.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8289

Inside

Press@RunDepth: psig @ 3385.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2006.11.16

End Date:

2006.11.16

Last Calib.:

2006.11.16

Start Time: 15:25:53

End Time:

19:43:27

Time On Btm:

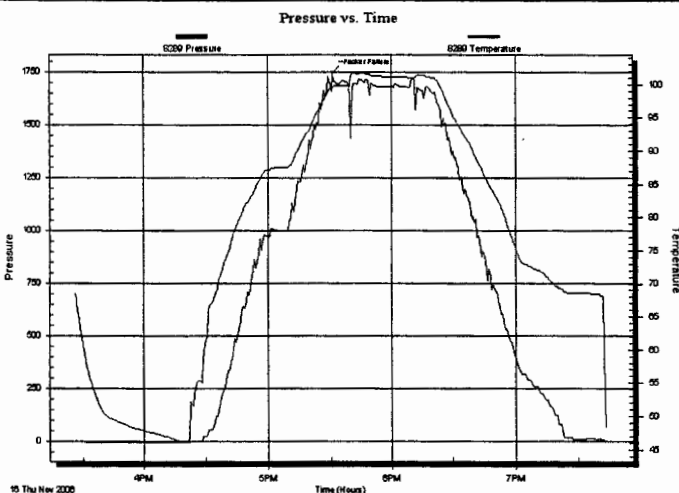
Time Off Btm:

TEST COMMENT: IFP Packer Failure

ISI

FFP

FSI



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1744.70	99.45	--Packer Failure

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Black Diamond Oil

Hicks #1

18 6 20 Rooks KS

Job Ticket: 26823

DST#: 3

ATTN: Tony Richardson

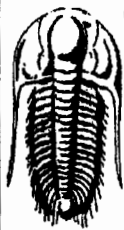
Test Start: 2006.11.15 @ 15:25:47

Tool Information

Drill Pipe:	Length: 3273.00 ft	Diameter: 3.80 inches	Volume: 45.91 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 118.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: lb
		Total Volume: 46.49 bbl		Tool Chased ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial lb
Depth to Top Packer:	3380.00 ft			Final lb
Depth to Bottom Packer:	3424.00 ft			
Interval between Packers:	44.00 ft			
Tool Length:	452.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3360.00	
Shut In Tool	5.00			3365.00	
Hydraulic tool	5.00			3370.00	
Packer	5.00			3375.00	21.00 Bottom Of Top Packer
Packer	5.00			3380.00	
Stubb	1.00			3381.00	
Perforations	4.00			3385.00	
Recorder	0.00	8289	Inside	3385.00	
Blank Spacing	31.00			3416.00	
Perforations	5.00			3421.00	
Recorder	0.00	3351	Inside	3421.00	
Blank Off Sub	1.00			3422.00	
Stubb	2.00			3424.00	44.00 Tool Interval
Packer	2.00			3426.00	
Stubb	1.00			3427.00	
Perforations	6.00			3433.00	
Blank Spacing	374.00			3807.00	
Recorder	0.00	13401		3807.00	
Change Over Sub	1.00			3808.00	
Bullnose	3.00			3811.00	387.00 Bottom Packers & Anchor

Total Tool Length: 452.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Black Diamond Oil

Hicks #1

18 6 20 Rooks KS

Job Ticket: 26823

DST#: 3

ATTN: Tony Richardson

Test Start: 2006.11.15 @ 15:25:47

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 44.00 sec/qt

Water Loss: 8.78 in³

Resistivity: ohm.m

Salinity: 1000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl

Total Length:

ft

Total Volume:

bbl

Num Fluid Samples: 0

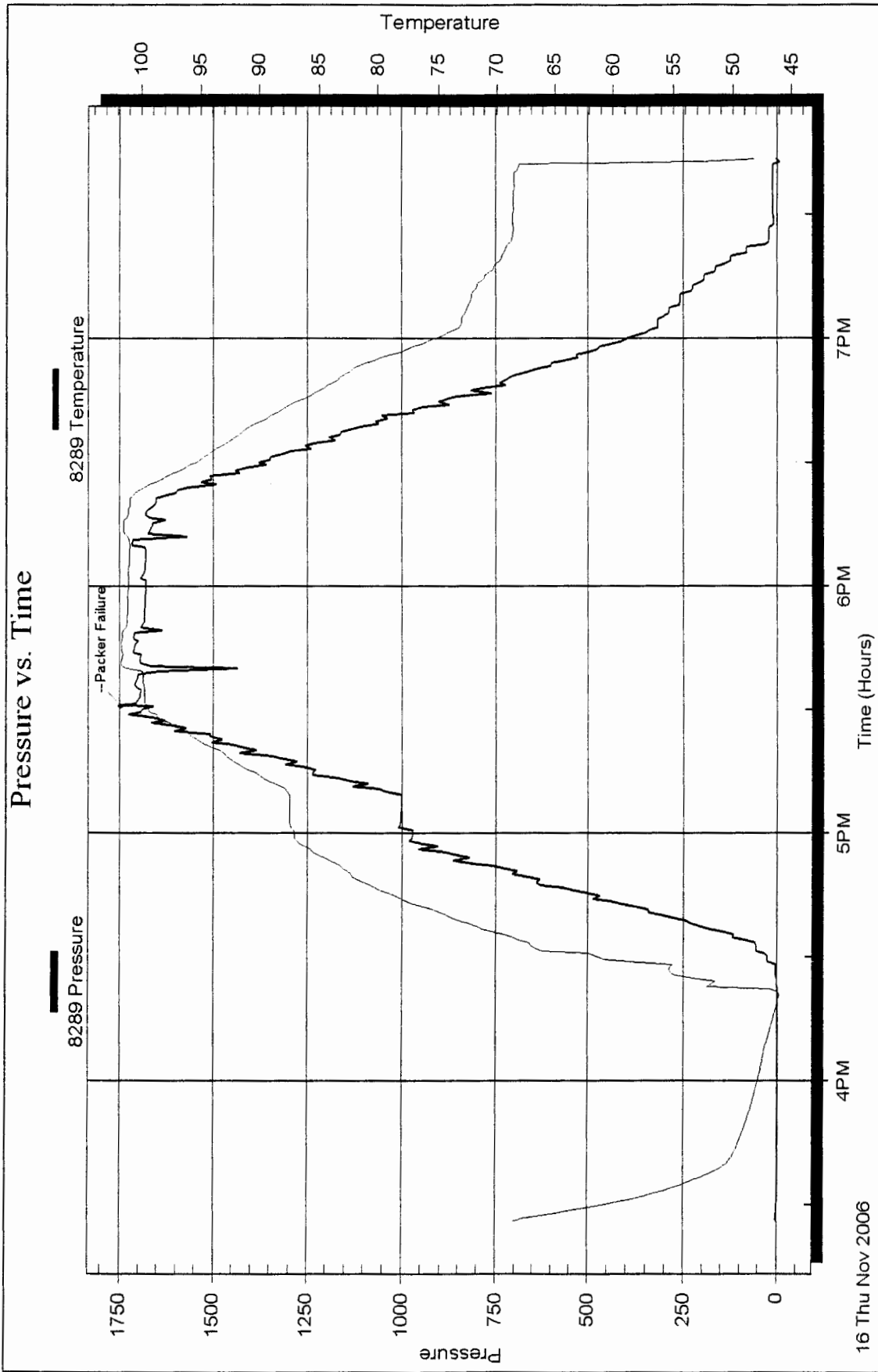
Num Gas Bombs: 0

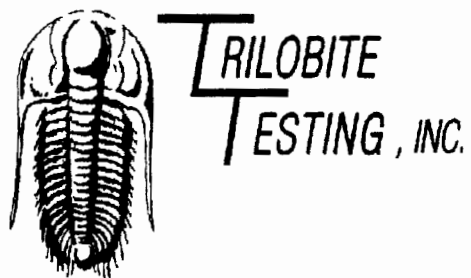
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Black Diamond Oil**

ATTN: Tony Richardson

18 6 20 Rooks KS

Hicks #1

Start Date: 2006.11.16 @ 19:59:47

End Date: 2006.11.17 @ 03:43:07

Job Ticket #: 26824 DST #: 4

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

Hicks #1

18 6 20 Rooks KS

Job Ticket: 26824

DST#: 4

ATTN: Tony Richardson

Test Start: 2006.11.16 @ 19:59:47

GENERAL INFORMATION:

Formation: **Oread**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:59:27

Time Test Ended: 03:43:07

Test Type: Conventional Straddle

Tester: Tyson Flax

Unit No: 21

Interval: 3324.00 ft (KB) To 3424.00 ft (KB) (TVD)

Total Depth: 3808.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2255.00 ft (KB)

2250.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8289

Inside

Press@RunDepth: 105.93 psig @ 3339.00 ft (KB)

Start Date: 2006.11.16

End Date:

2006.11.17

Capacity: 7000.00 psig

Last Calib.: 2006.11.17

Start Time: 19:59:52

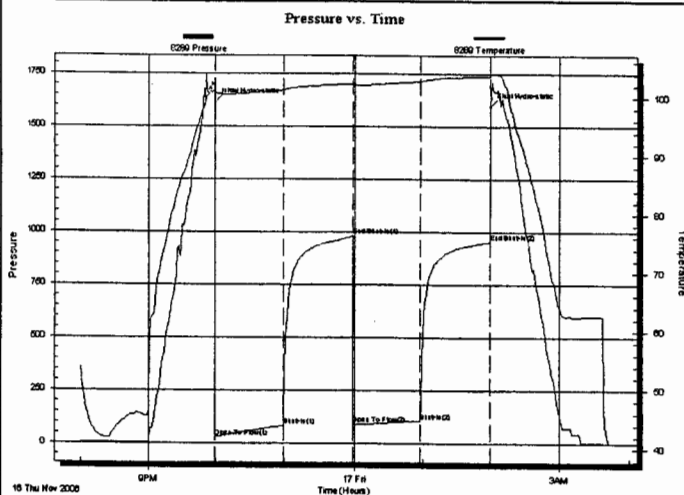
End Time:

03:43:07

Time On Btm: 2006.11.16 @ 21:59:17

Time Off Btm: 2006.11.17 @ 01:59:56

TEST COMMENT: IFP Weak surface blow built to 6 "
ISI No blow back
FFP Weak surface blow built to 4.5 "
FSI No blow back



PRESSURE SUMMARY

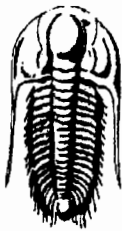
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1612.01	101.08	Initial Hydro-static
1	28.39	100.61	Open To Flow (1)
60	81.64	101.23	Shut-In (1)
120	980.75	102.35	End Shut-In (1)
120	89.39	102.05	Open To Flow (2)
179	105.93	102.76	Shut-In (2)
241	953.14	103.66	End Shut-In (2)
241	1595.53	104.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
138.00	Mud w/ sum of Oil	0.86

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Black Diamond Oil

Hicks #1

18 6 20 Rooks KS

Job Ticket: 26824

DST#: 4

ATTN: Tony Richardson

Test Start: 2006.11.16 @ 19:59:47

Tool Information

Drill Pipe:	Length: 3201.00 ft	Diameter: 3.80 inches	Volume: 44.90 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 118.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 62000.00 lb
		Total Volume:	45.48 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3324.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	3424.00 ft			
Interval between Packers:	100.00 ft			
Tool Length:	508.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3304.00	
Shut In Tool	5.00			3309.00	
Hydraulic tool	5.00			3314.00	
Packer	5.00			3319.00	21.00 Bottom Of Top Packer
Packer	5.00			3324.00	
Stubb	1.00			3325.00	
Perforations	14.00			3339.00	
Recorder	0.00	8289	Inside	3339.00	
Blank Spacing	62.00			3401.00	
Perforations	20.00			3421.00	
Recorder	0.00	3351	Inside	3421.00	
Blank Off Sub	1.00			3422.00	
Stubb	2.00			3424.00	100.00 Tool Interval
Packer	2.00			3426.00	
Stubb	1.00			3427.00	
Perforations	6.00			3433.00	
Blank Spacing	374.00			3807.00	
Recorder	0.00	13401		3807.00	
Change Over Sub	1.00			3808.00	
Bullnose	3.00			3811.00	387.00 Bottom Packers & Anchor
Total Tool Length:		508.00			



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Black Diamond Oil

Hicks #1

18 6 20 Rooks KS

Job Ticket: 26824

DST#: 4

ATTN: Tony Richardson

Test Start: 2006.11.16 @ 19:59:47

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 44.00 sec/qt

Water Loss: 9.19 in³

Resistivity: ohm.m

Salinity: 1000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
138.00	Mud w/ sum of Oil	0.861

Total Length: 138.00 ft

Total Volume: 0.861 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

