



DRILL STEM TEST REPORT

Prepared For: **Berexco Inc**

P O Box 20380
Wichita Ks 67208

ATTN: Bryan Bynog

17-9-21-Graham-Ks

Cooley B #19

Start Date: 2004.03.21 @ 04:40:53

End Date: 2004.03.21 @ 12:03:53

Job Ticket #: 19793 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Berexco Inc

P O Box 20380
Wichita Ks 67208

ATTN: Bryan Bynog

Cooley B #19

17-9-21-Graham-Ks

Job Ticket: 19793

DST#: 1

Test Start: 2004.03.21 @ 04:40:53

GENERAL INFORMATION:

Formation: **A LKC**

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

Time Tool Opened: 06:49:23

Time Test Ended: 12:03:53

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 21

Interval: **3398.00 ft (KB) To 3413.00 ft (KB) (TVD)**

Total Depth: **3413.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2218.00 ft (KB)**

2213.00 ft (CF)

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

Serial #: 6770 **Inside**

Press@RunDepth: **71.90 psig @ 3399.00 ft (KB)**

Start Date: **2004.03.21**

End Date:

2004.03.21

Start Time: **04:40:54**

End Time:

12:03:53

Capacity: **7000.00 psig**

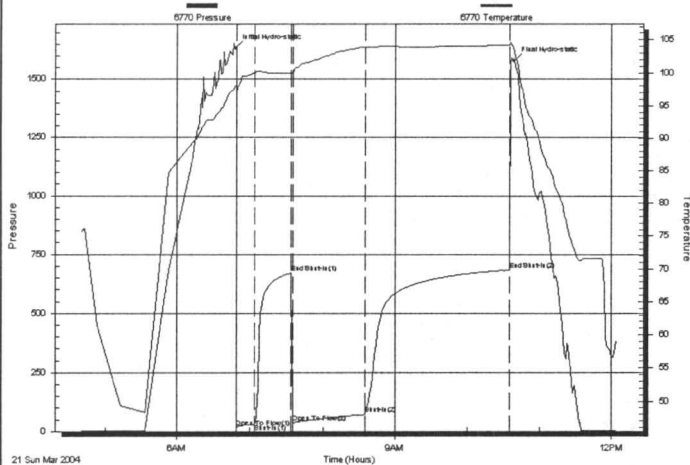
Last Calib.: **2004.03.21**

Time On Btm: **2004.03.21 @ 06:47:53**

Time Off Btm: **2004.03.21 @ 10:38:53**

TEST COMMENT: IF-Weak building to 1"
FF-Weak building to 1/2"
Times-15-30-60-120

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1631.27	97.90	Initial Hydro-static
2	15.66	97.01	Open To Flow (1)
17	30.79	100.03	Shut-In (1)
46	671.67	99.89	End Shut-In (1)
47	36.91	99.71	Open To Flow (2)
107	71.90	103.89	Shut-In (2)
228	684.12	104.20	End Shut-In (2)
231	1579.61	103.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Mdy Wtr 80%w 20%m	0.30
30.00	OCM 40%o 60%m	0.15
35.00	CO	0.17

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Berexco Inc

Cooley B #19

P O Box 20380
Wichita Ks 67208

17-9-21-Graham-Ks

Job Ticket: 19793

DST#: 1

ATTN: Bryan Bynog

Test Start: 2004.03.21 @ 04:40:53

Tool Information

Drill Pipe:	Length: 3204.00 ft	Diameter: 3.80 inches	Volume: 44.94 bbl	Tool Weight: 900.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 183.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 50000.00 lb
		Total Volume:	45.84 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3398.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.00 ft			
Tool Length:	36.00 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			3378.00	
Shut In Tool	5.00			3383.00	
Hydraulic tool	5.00			3388.00	
Packer	5.00			3393.00	21.00 Bottom Of Top Packer
Packer	5.00			3398.00	
Stubb	1.00			3399.00	
Recorder	0.00	6770	Inside	3399.00	
Perforations	11.00			3410.00	
Recorder	0.00	13254	Outside	3410.00	
Bullnose	3.00			3413.00	15.00 Bottom Packers & Anchor
Total Tool Length:	36.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco Inc

Cooley B #19

P O Box 20380
Wichita Ks 67208

17-9-21-Graham-Ks

Job Ticket: 19793

DST#: 1

ATTN: Bryan Bynog

Test Start: 2004.03.21 @ 04:40:53

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

79000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	Mdy Wtr 80%w 20%m	0.295
30.00	OCM 40%o 60%m	0.148
35.00	CO	0.172

Total Length: 125.00 ft

Total Volume: 0.615 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

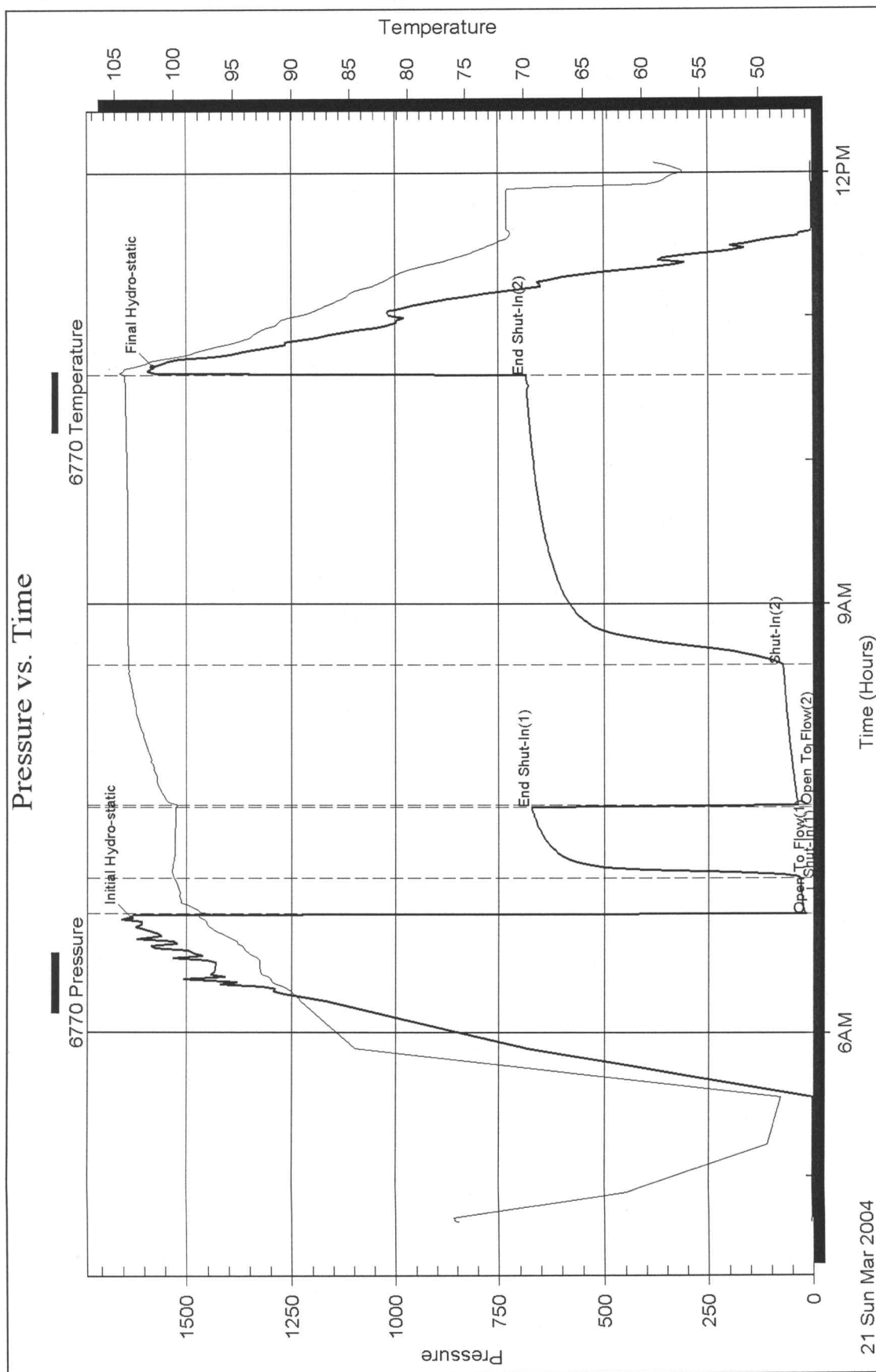
Recovery Comments:

Serial #: 6770

Inside Berexco Inc

17-9-21-Graham-Ks

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Berexco Inc**

P O Box 20380
Wichita Ks 67208

ATTN: Bryan Bynog

17-9-21-Graham-Ks

Cooley B #19

Start Date: 2004.03.21 @ 18:55:30

End Date: 2004.03.22 @ 02:11:30

Job Ticket #: 19794 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

Berexco Inc

P O Box 20380
Wichita Ks 67208

ATTN: Bryan Bynog

Cooley B #19

17-9-21-Graham-Ks

Job Ticket: 19794

DST#: 2

Test Start: 2004.03.21 @ 18:55:30

GENERAL INFORMATION:

Formation: **B LKC**

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

Time Tool Opened: 20:51:30

Time Test Ended: 02:11:30

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 21

Interval: **3426.00 ft (KB) To 3456.00 ft (KB) (TVD)**

Total Depth: **3456.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2218.00 ft (KB)**

2213.00 ft (CF)

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

Serial #: 6770 **Inside**

Press@RunDepth: **104.38 psig @ 3427.00 ft (KB)**

Start Date: **2004.03.21**

End Date:

2004.03.22

Start Time: **18:55:31**

End Time:

02:11:30

Capacity: **7000.00 psig**

Last Calib.: **2004.03.22**

Time On Btm: **2004.03.21 @ 20:49:30**

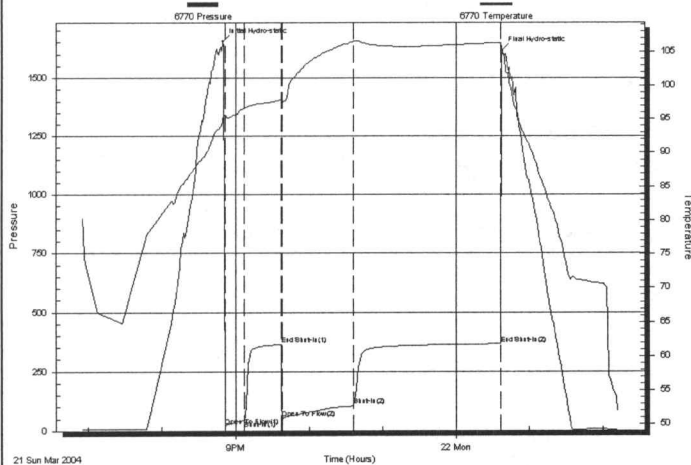
Time Off Btm: **2004.03.22 @ 00:37:30**

TEST COMMENT: IF-Weak building to 2 1/2"

FF-Weak building to 3"

Times-15-30-60-120

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1652.74	94.78	Initial Hydro-static
2	20.12	95.52	Open To Flow (1)
18	45.39	96.66	Shut-In (1)
48	363.06	97.89	End Shut-In (1)
49	54.09	97.68	Open To Flow (2)
107	104.38	106.52	Shut-In (2)
227	365.43	106.31	End Shut-In (2)
228	1616.09	105.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	Mdy Wtr	0.59
30.00	OCM 20%o 80%m	0.15
60.00	CO	0.54

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Berexco Inc

Cooley B #19

P O Box 20380
Wichita Ks 67208

17-9-21-Graham-Ks

Job Ticket: 19794

DST#: 2

ATTN: Bryan Bynog

Test Start: 2004.03.21 @ 18:55:30

Tool Information

Drill Pipe:	Length: 3236.00 ft	Diameter: 3.80 inches	Volume: 45.39 bbl	Tool Weight:	1800.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	30000.00 lb
Drill Collar:	Length: 183.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose:	50000.00 lb
		Total Volume:	46.29 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial	48000.00 lb
Depth to Top Packer:	3426.00 ft			Final	48000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	30.00 ft				
Tool Length:	51.00 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			3406.00	
Shut In Tool	5.00			3411.00	
Hydraulic tool	5.00			3416.00	
Packer	5.00			3421.00	21.00 Bottom Of Top Packer
Packer	5.00			3426.00	
Stubb	1.00			3427.00	
Recorder	0.00	6770	Inside	3427.00	
Perforations	26.00			3453.00	
Recorder	0.00	13254	Outside	3453.00	
Bullnose	3.00			3456.00	30.00 Bottom Packers & Anchor
Total Tool Length:	51.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco Inc

Cooley B #19

P O Box 20380
Wichita Ks 67208

17-9-21-Graham-Ks

Job Ticket: 19794

DST#: 2

ATTN: Bryan Bynog

Test Start: 2004.03.21 @ 18:55:30

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	Mdy Wtr	0.590
30.00	OCM 20%o 80%m	0.148
60.00	CO	0.541

Total Length: 210.00 ft

Total Volume: 1.279 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 2

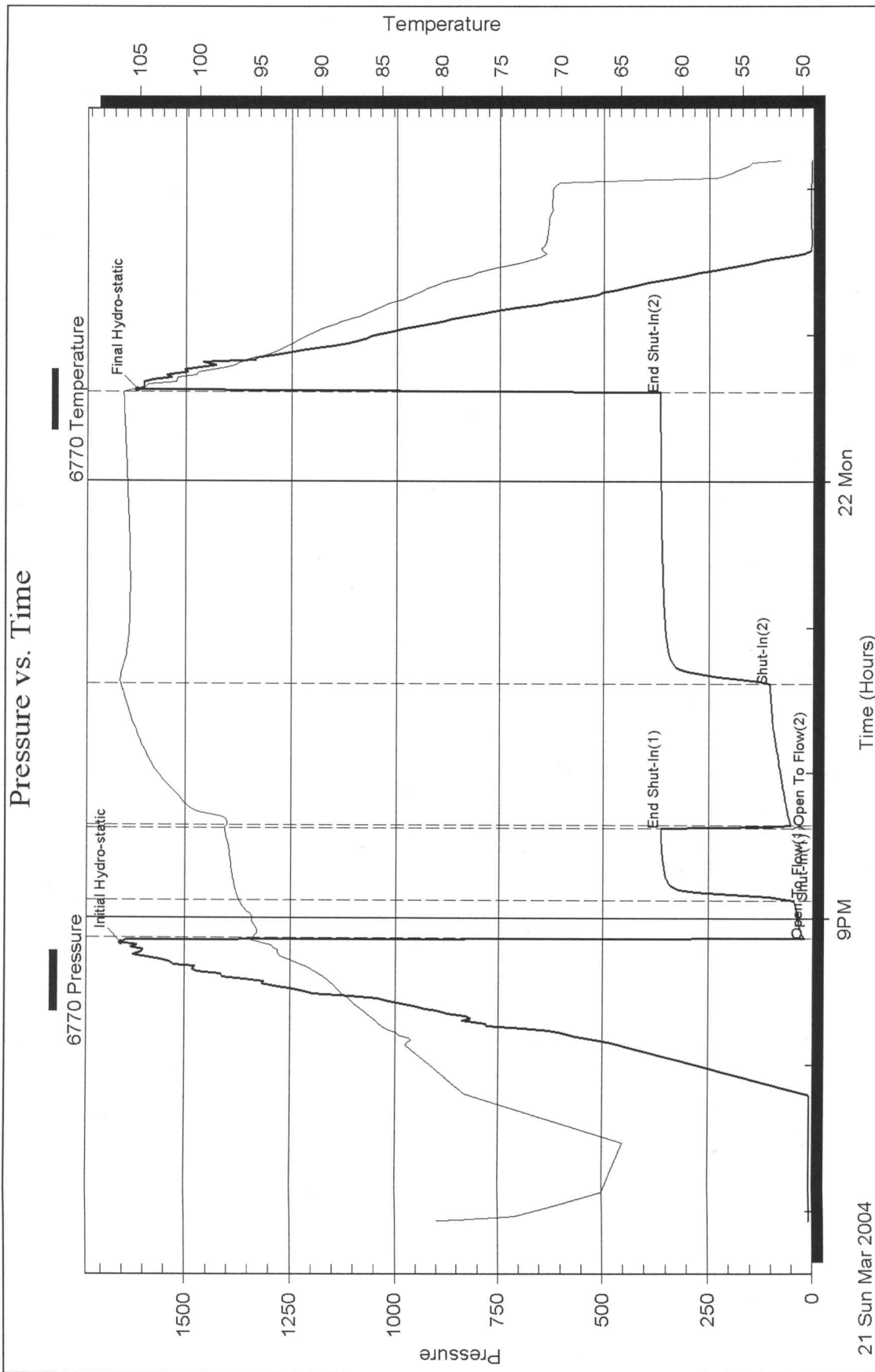
17-9-21-Graham-Ks

Berexco Inc

Inside

Serial #: 6770

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Berexco Inc**

P O Box 20380
Wichita Ks 67208

ATTN: Bryan Bynog

17-9-21-Graham-Ks

Cooley B #19

Start Date: 2004.03.22 @ 09:55:24

End Date: 2004.03.22 @ 17:16:24

Job Ticket #: 19795 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Berexco Inc

P O Box 20380
Wichita Ks 67208

ATTN: Bryan Bynog

Cooley B #19

17-9-21-Graham-Ks

Job Ticket: 19795

DST#: 3

Test Start: 2004.03.22 @ 09:55:24

GENERAL INFORMATION:

Formation: **C-E-F-G LKC**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:51:54

Time Test Ended: 17:16:24

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 21

Interval: **3455.00 ft (KB) To 3520.00 ft (KB) (TVD)**

Total Depth: 3520.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2218.00 ft (KB)

2213.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6770

Inside

Press@RunDepth: 263.04 psig @ 3458.00 ft (KB)

Start Date: 2004.03.22 End Date: 2004.03.22

Start Time: 09:55:25 End Time: 17:16:24

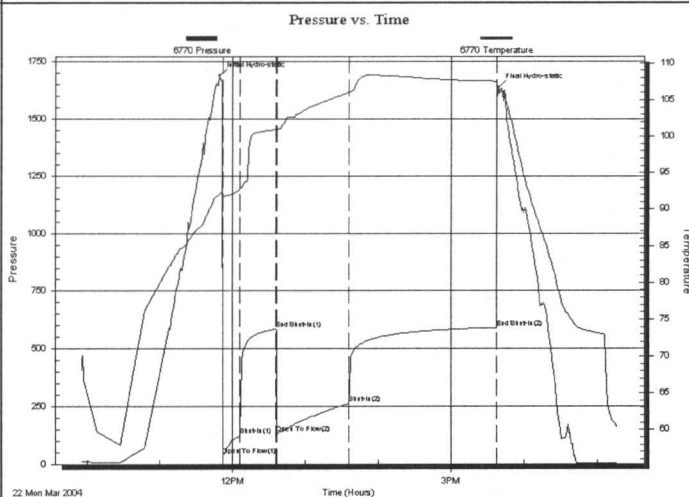
Capacity: 7000.00 psig

Last Calib.: 2004.03.22

Time On Btm: 2004.03.22 @ 11:49:24

Time Off Btm: 2004.03.22 @ 15:38:24

TEST COMMENT: IF-Strong B-B in 12 min
FF-Strong B-B in 16 min
Times-15-30-60-120



PRESSURE SUMMARY

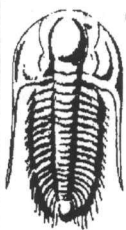
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1689.96	92.07	Initial Hydro-static
3	36.67	91.96	Open To Flow (1)
17	123.28	92.74	Shut-In (1)
47	585.48	100.96	End Shut-In (1)
48	131.57	100.92	Open To Flow (2)
107	263.04	106.01	Shut-In (2)
228	590.67	107.54	End Shut-In (2)
229	1640.42	105.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
523.00	Mdy Wtr	5.67

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Berexco Inc

Cooley B #19

P O Box 20380
Wichita Ks 67208

17-9-21-Graham-Ks

Job Ticket: 19795

DST#: 3

ATTN: Bryan Bynog

Test Start: 2004.03.22 @ 09:55:24

Tool Information

Drill Pipe:	Length: 3287.00 ft	Diameter: 3.80 inches	Volume: 46.11 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 183.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 55000.00 lb
			Total Volume: 47.01 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	36.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3455.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	65.00 ft			
Tool Length:	86.00 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			3435.00	
Shut In Tool	5.00			3440.00	
Hydraulic tool	5.00			3445.00	
Packer	5.00			3450.00	21.00 Bottom Of Top Packer
Packer	5.00			3455.00	
Stubb	1.00			3456.00	
Perforations	1.00			3457.00	
Change Over Sub	1.00			3458.00	
Recorder	0.00	6770	Inside	3458.00	
Drill Pipe	31.00			3489.00	
Change Over Sub	1.00			3490.00	
Recorder	0.00	13254	Outside	3490.00	
Perforations	27.00			3517.00	
Bullnose	3.00			3520.00	65.00 Bottom Packers & Anchor

Total Tool Length: 86.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco Inc

Cooley B #19

P O Box 20380
Wichita Ks 67208

17-9-21-Graham-Ks

Job Ticket: 19795

DST#: 3

ATTN: Bryan Bynog

Test Start: 2004.03.22 @ 09:55:24

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:

70000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
523.00	Mdy Wtr	5.669

Total Length: 523.00 ft

Total Volume: 5.669 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

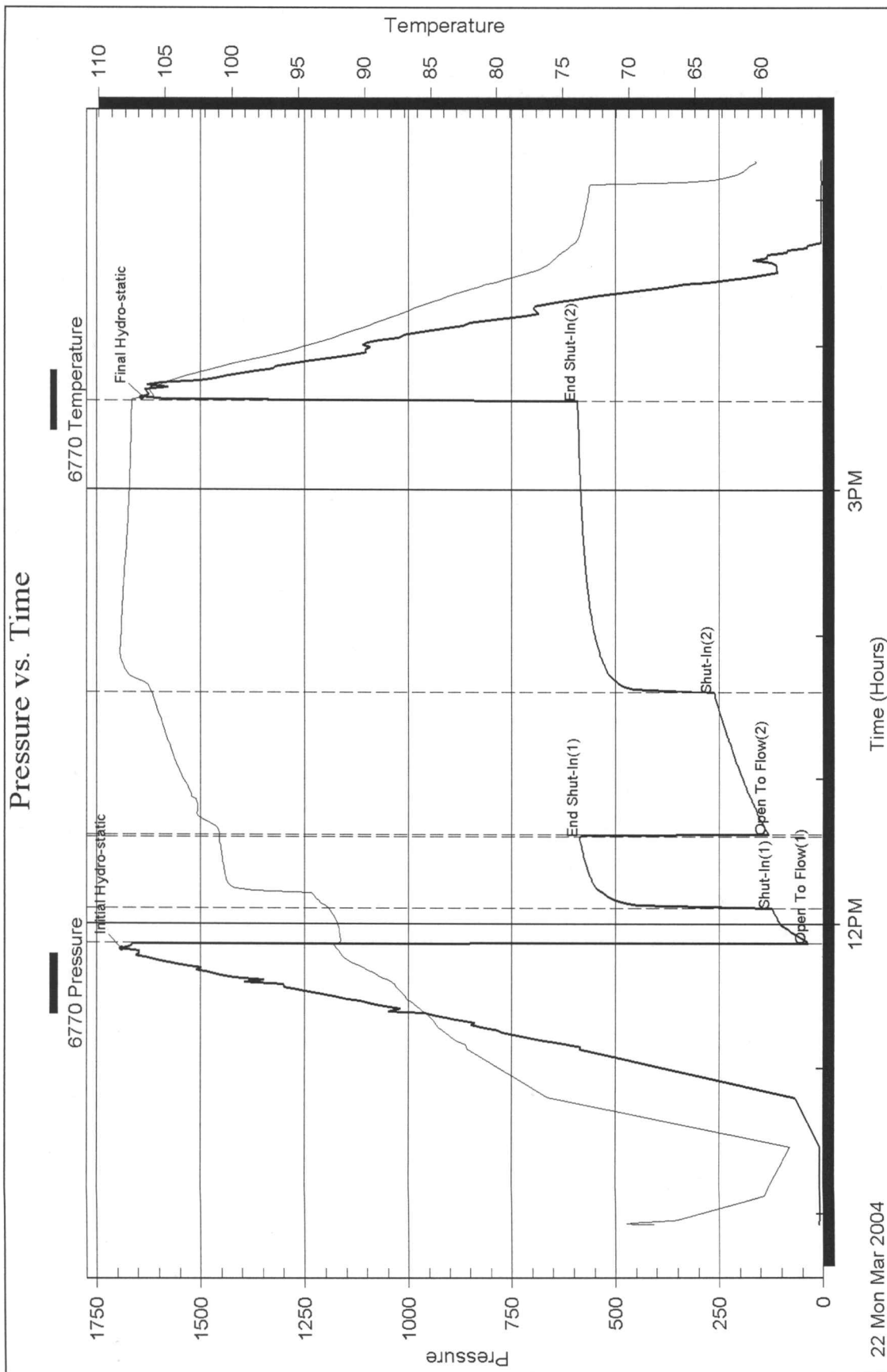
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Berexco Inc**

P O Box 20380
Wichita Ks 67208

ATTN: Bryan Bynog

17-9-21-Graham-Ks

Cooley B #19

Start Date: 2004.03.23 @ 02:30:04

End Date: 2004.03.23 @ 09:46:04

Job Ticket #: 19796 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

Berexco Inc

P O Box 20380
Wichita Ks 67208

ATTN: Bryan Bynog

Cooley B #19

17-9-21-Graham-Ks

Job Ticket: 19796

DST#: 4

Test Start: 2004.03.23 @ 02:30:04

GENERAL INFORMATION:

Formation: I-J LKC

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:25:04

Time Test Ended: 09:46:04

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 21

Interval: 3545.00 ft (KB) To 3587.00 ft (KB) (TVD)

Total Depth: 3587.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2218.00 ft (KB)

2213.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6770

Inside

Press@RunDepth: 96.44 psig @ 3546.00 ft (KB)

Start Date: 2004.03.23

End Date:

2004.03.23

Capacity: 7000.00 psig

Last Calib.: 2004.03.23

Start Time: 02:30:05

End Time:

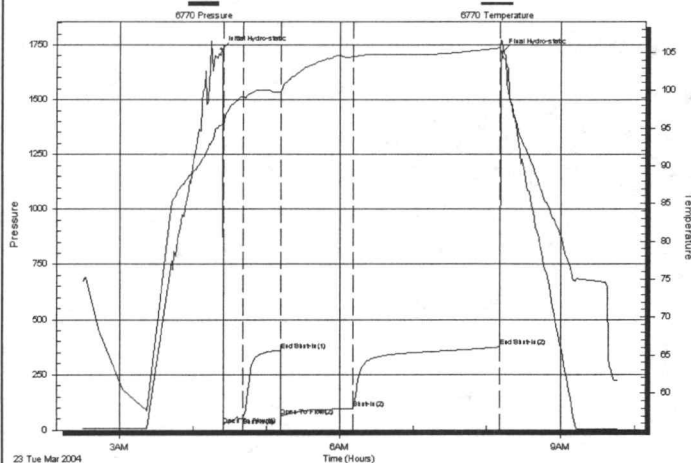
09:46:04

Time On Btm: 2004.03.23 @ 04:23:04

Time Off Btm: 2004.03.23 @ 08:11:34

TEST COMMENT: IF-Weak building to 3"
FF-Weak building to 6"
Times-15-30-60-120

Pressure vs. Time



PRESSURE SUMMARY

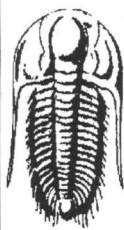
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1729.27	95.49	Initial Hydro-static
2	20.94	95.35	Open To Flow (1)
18	54.30	99.16	Shut-In(1)
49	360.31	99.78	End Shut-In(1)
49	61.08	99.76	Open To Flow (2)
108	96.44	104.46	Shut-In(2)
228	373.59	105.58	End Shut-In(2)
229	1717.06	106.46	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
150.00	OCgsyM 10%g 40%o 50%m	0.74
65.00	CGsyO 20%g 80%o	0.61
0.00	275 GIP	0.00

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Berexco Inc

P O Box 20380
Wichita Ks 67208

ATTN: Bryan Bynog

Cooley B #19

17-9-21-Graham-Ks

Job Ticket: 19796

DST#: 4

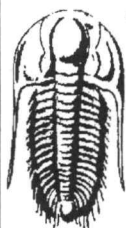
Test Start: 2004.03.23 @ 02:30:04

Tool Information

Drill Pipe:	Length: 3361.00 ft	Diameter: 3.80 inches	Volume: 47.15 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 183.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 60000.00 lb
		Total Volume:	48.05 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3545.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	42.00 ft			
Tool Length:	63.00 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			3525.00	
Shut In Tool	5.00			3530.00	
Hydraulic tool	5.00			3535.00	
Packer	5.00			3540.00	21.00 Bottom Of Top Packer
Packer	5.00			3545.00	
Stubb	1.00			3546.00	
Recorder	0.00	6770	Inside	3546.00	
Perforations	38.00			3584.00	
Recorder	0.00	13254	Outside	3584.00	
Bullnose	3.00			3587.00	42.00 Bottom Packers & Anchor
Total Tool Length:	63.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco Inc

Cooley B #19

P O Box 20380
Wichita Ks 67208

17-9-21-Graham-Ks

Job Ticket: 19796

DST#: 4

ATTN: Bryan Bynog

Test Start: 2004.03.23 @ 02:30:04

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
150.00	OCGsyM 10%g 40%o 50%m	0.738
65.00	CGsyO 20%g 80%o	0.611
0.00	275 GIP	0.000

Total Length: 215.00 ft

Total Volume: 1.349 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

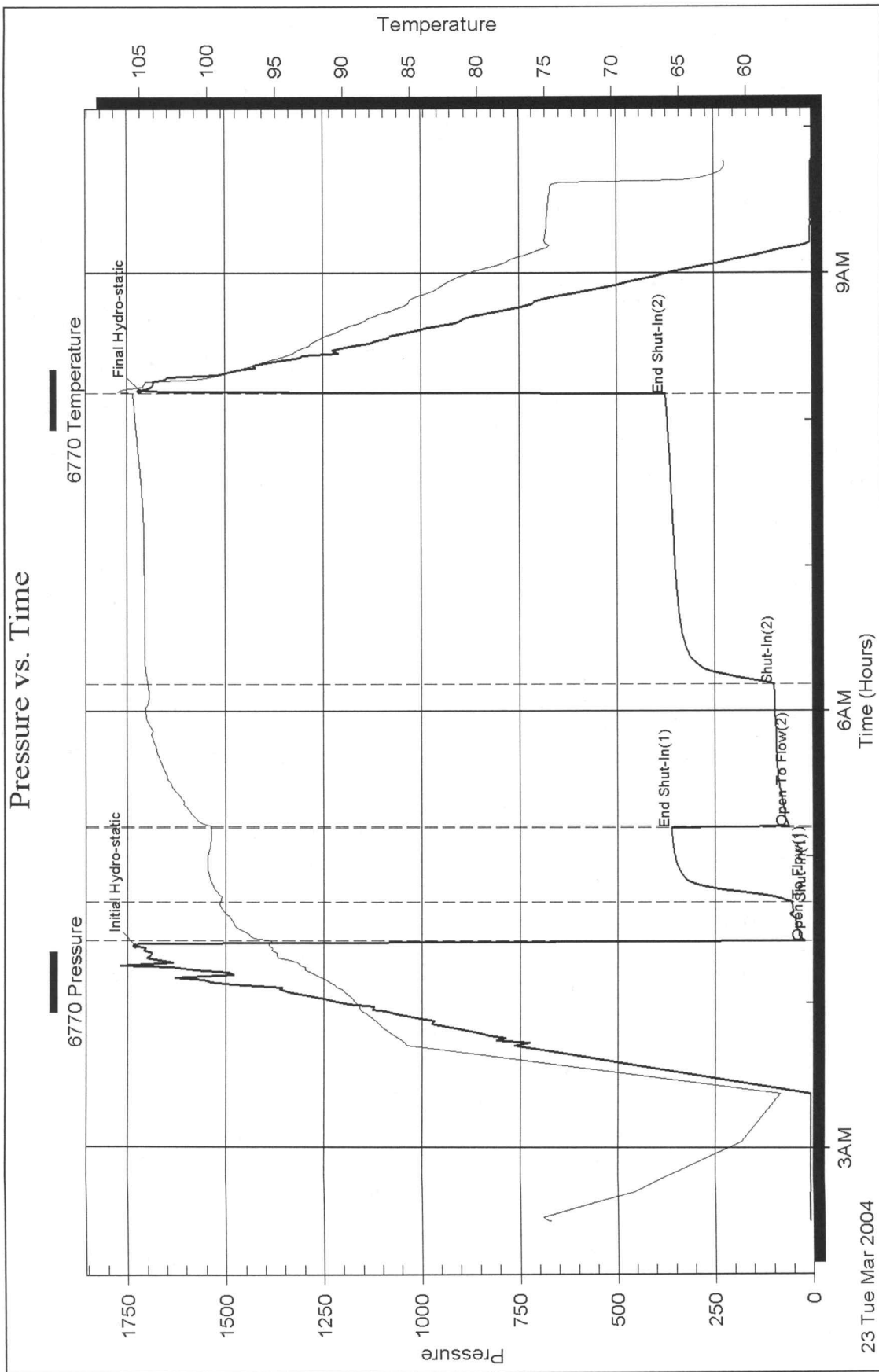
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Berexco Inc**

P O Box 20380
Wichita Ks 67208

ATTN: Bryan Bynog

17-9-21-Graham-Ks

Cooley B #19

Start Date: 2004.03.23 @ 15:50:41

End Date: 2004.03.23 @ 21:43:11

Job Ticket #: 19797 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Berexco Inc

P O Box 20380
Wichita Ks 67208

ATTN: Bryan Bynog

Cooley B #19

17-9-21-Graham-Ks

Job Ticket: 19797

DST#: 5

Test Start: 2004.03.23 @ 15:50:41

GENERAL INFORMATION:

Formation: **K LKC**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:46:41

Time Test Ended: 21:43:11

Interval: **3580.00 ft (KB) To 3615.00 ft (KB) (TVD)**

Total Depth: 3615.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 21

Reference Elevations: 2218.00 ft (KB)

2213.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6770

Inside

Press@RunDepth: 40.50 psig @ 3581.00 ft (KB)

Start Date: 2004.03.23

End Date: 2004.03.23

Start Time: 15:50:42

End Time: 21:43:11

Capacity: 7000.00 psig

Last Calib.: 2004.03.23

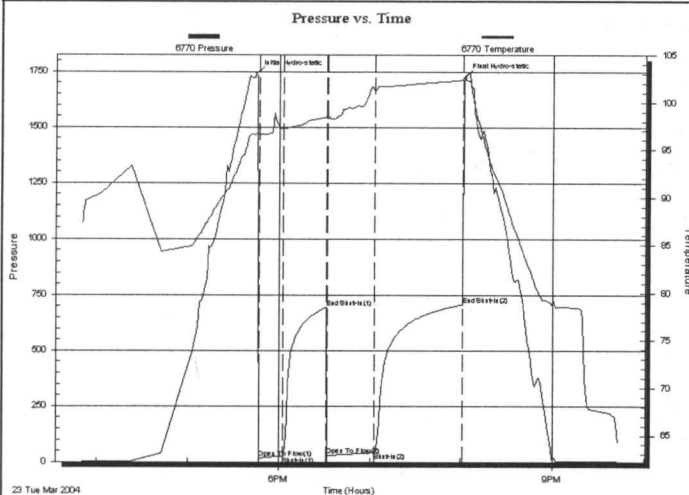
Time On Btm: 2004.03.23 @ 17:44:41

Time Off Btm: 2004.03.23 @ 20:02:41

TEST COMMENT: IF-Weak steady surface blow

FF-No blow

Times-15-30-30-60



PRESSURE SUMMARY

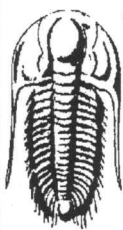
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1741.73	96.64	Initial Hydro-static
2	16.44	96.50	Open To Flow (1)
18	25.76	97.18	Shut-In (1)
47	695.27	98.46	End Shut-In (1)
47	27.52	98.28	Open To Flow (2)
78	40.50	101.16	Shut-In (2)
137	707.42	102.38	End Shut-In (2)
138	1726.24	102.79	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud w/ few oil spots	0.07

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Berexco Inc

P O Box 20380
Wichita Ks 67208

ATTN: Bryan Bynog

Cooley B #19

17-9-21-Graham-Ks

Job Ticket: 19797

DST#: 5

Test Start: 2004.03.23 @ 15:50:41

Tool Information

Drill Pipe:	Length: 3391.00 ft	Diameter: 3.80 inches	Volume: 47.57 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 183.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 60000.00 lb
		Total Volume: 48.47 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	3580.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.00 ft			
Tool Length:	56.00 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			3560.00	
Shut In Tool	5.00			3565.00	
Hydraulic tool	5.00			3570.00	
Packer	5.00			3575.00	21.00 Bottom Of Top Packer
Packer	5.00			3580.00	
Stubb	1.00			3581.00	
Recorder	0.00	6770	Inside	3581.00	
Perforations	31.00			3612.00	
Recorder	0.00	13254	Outside	3612.00	
Bullnose	3.00			3615.00	35.00 Bottom Packers & Anchor
Total Tool Length:		56.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco Inc

Cooley B #19

P O Box 20380
Wichita Ks 67208

17-9-21-Graham-Ks

Job Ticket: 19797

DST#: 5

ATTN: Bryan Bynog

Test Start: 2004.03.23 @ 15:50:41

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: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2100.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Mud w / few oil spots	0.074

Total Length: 15.00 ft

Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

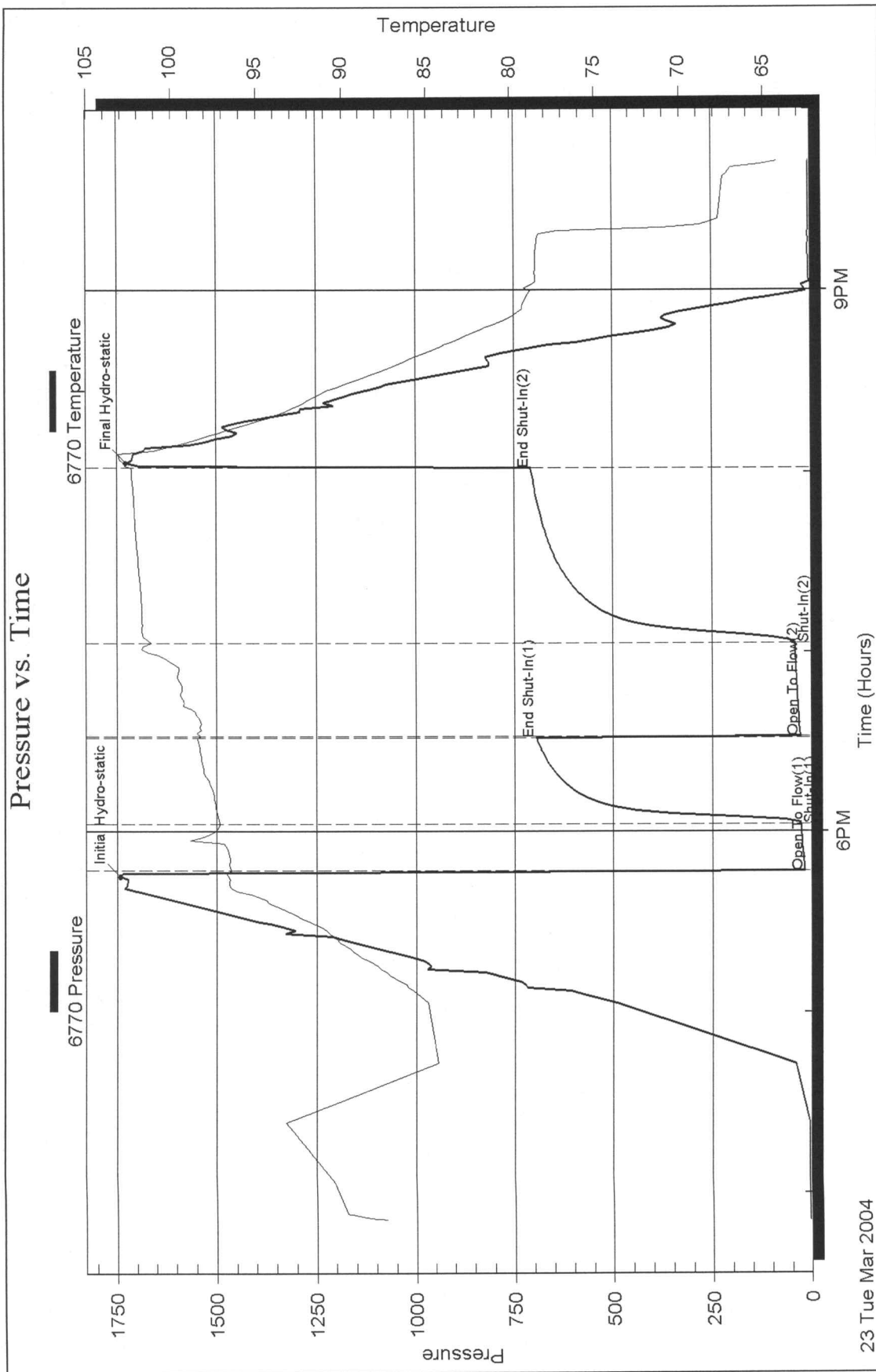
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Berexco Inc**

P O Box 20380
Wichita Ks 67208

ATTN: Bryan Bynog

17-9-21-Graham-Ks

Cooley B #19

Start Date: 2004.03.24 @ 09:30:37

End Date: 2004.03.24 @ 16:49:07

Job Ticket #: 19798 DST #: 6

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Berexco Inc

P O Box 20380
Wichita Ks 67208

ATTN: Bryan Bynog

Cooley B #19

17-9-21-Graham-Ks

Job Ticket: 19798

DST#: 6

Test Start: 2004.03.24 @ 09:30:37

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:14:07

Time Test Ended: 16:49:07

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 21

Interval: **3700.00 ft (KB) To 3719.00 ft (KB) (TVD)**

Total Depth: 3719.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2218.00 ft (KB)

2213.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6770

Inside

Press@RunDepth: 177.56 psig @ 3701.00 ft (KB)

Start Date: 2004.03.24

End Date:

2004.03.24

Start Time: 09:30:38

End Time:

16:49:07

Capacity: 7000.00 psig

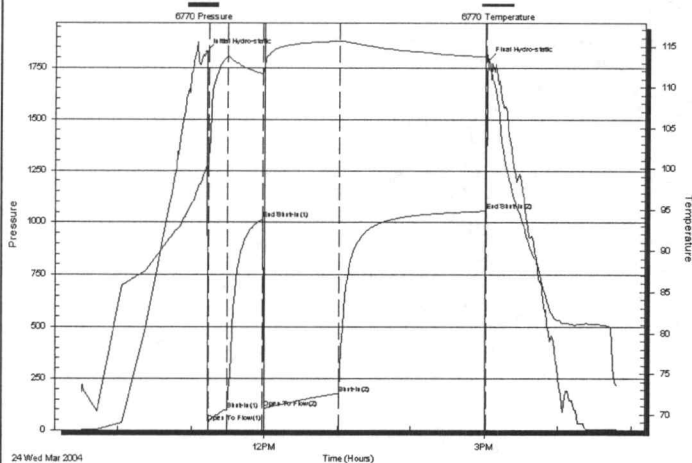
Last Calib.: 2004.03.24

Time On Btm: 2004.03.24 @ 11:12:07

Time Off Btm: 2004.03.24 @ 15:02:37

TEST COMMENT: IF-Weak building to 10" fair blow
FF-Weak building to BB in 25 min
Times-15-30-60-120

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1825.88	100.12	Initial Hydro-static
2	38.28	101.33	Open To Flow (1)
18	98.10	113.76	Shut-In (1)
47	1015.07	111.61	End Shut-In (1)
48	104.11	112.54	Open To Flow (2)
109	177.56	115.66	Shut-In (2)
229	1056.28	113.76	End Shut-In (2)
231	1788.34	112.23	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
280.00	Mdy Wtr 80%w 20%m	2.26
95.00	CO	1.33
0.00	GIP	0.00

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Berexco Inc

P O Box 20380
Wichita Ks 67208

ATTN: Bryan Bynog

Cooley B #19

17-9-21-Graham-Ks

Job Ticket: 19798

DST#: 6

Test Start: 2004.03.24 @ 09:30:37

Tool Information

Drill Pipe:	Length: 3515.00 ft	Diameter: 3.80 inches	Volume: 49.31 bbl	Tool Weight: 1100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 183.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 60000.00 lb
		Total Volume:	50.21 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3700.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	19.00 ft			
Tool Length:	40.00 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			3680.00	
Shut In Tool	5.00			3685.00	
Hydraulic tool	5.00			3690.00	
Packer	5.00			3695.00	21.00 Bottom Of Top Packer
Packer	5.00			3700.00	
Stubb	1.00			3701.00	
Recorder	0.00	6770	Inside	3701.00	
Perforations	15.00			3716.00	
Recorder	0.00	13254	Outside	3716.00	
Bullnose	3.00			3719.00	19.00 Bottom Packers & Anchor
Total Tool Length:	40.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco Inc

Cooley B #19

P O Box 20380
Wichita Ks 67208

17-9-21-Graham-Ks

Job Ticket: 19798

DST#: 6

ATTN: Bryan Bynog

Test Start: 2004.03.24 @ 09:30:37

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

32 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2100.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
280.00	Mdy Wtr 80%w 20%m	2.261
95.00	CO	1.333
0.00	GIP	0.000

Total Length: 375.00 ft

Total Volume: 3.594 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

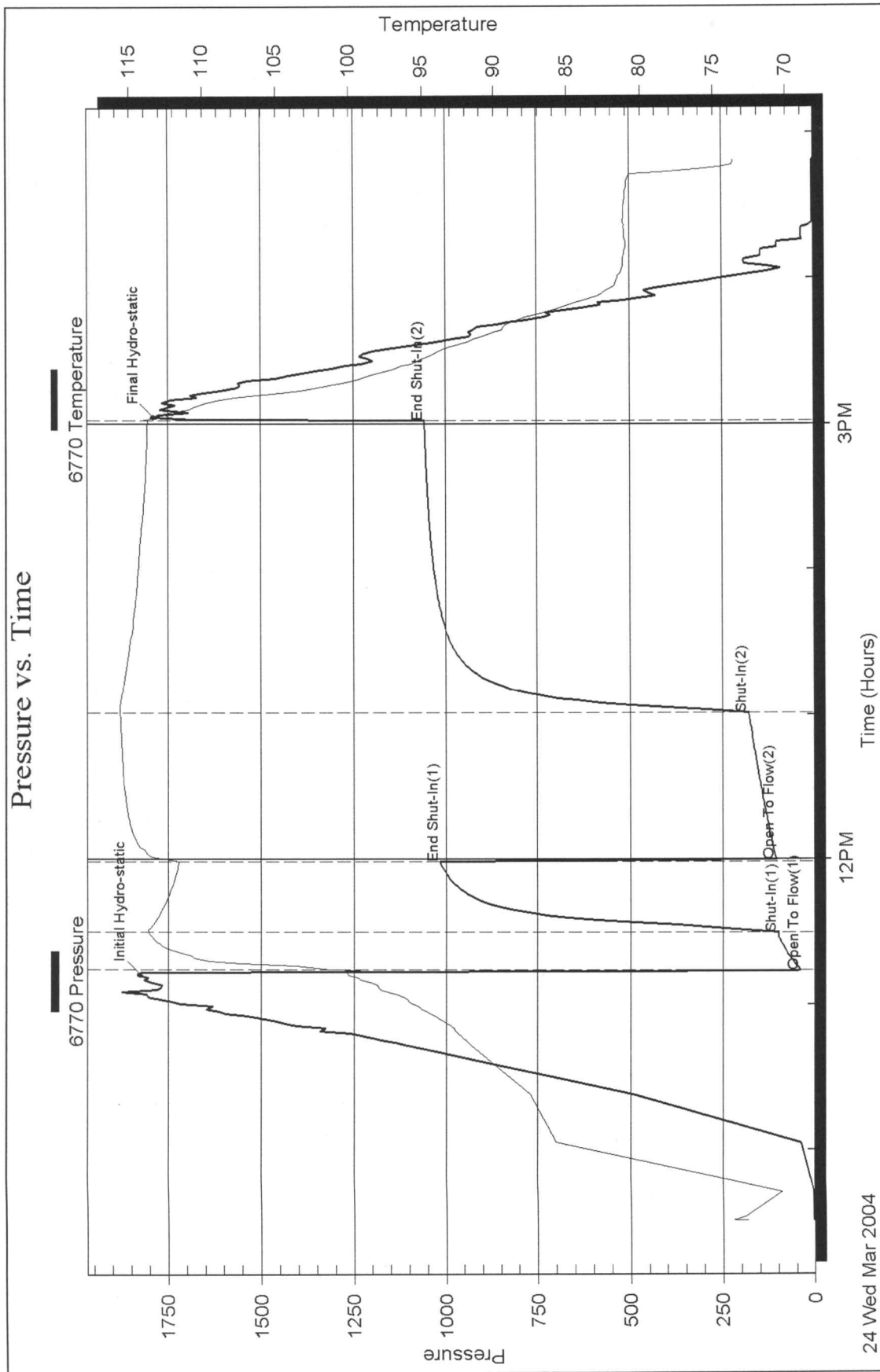
Serial #: 6770

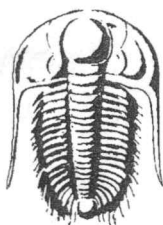
Inside

Berexco Inc

17-9-21-Graham-Ks

DST Test Number: 6





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No. 19793

05/03

Test Ticket

Well Name & No. Cooley B #19 Test No. 1 Date 3-21-04
Company Berex Co, Inc Zone Tested A LKC
Address P.O. Box 20380, Wichita, KS. 67208 Elevation 2218 KB 2213 GL
Co. Rep / Geo. Bryan Bynog Cont. Murfin #8 Est. Ft. of Pay _____ Por. _____ %
Location: Sec. 17 Twp. 9 Rge. 21 Co. Graham State Ks
No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3398 — 3413 Initial Str Wt./Lbs. 48,000 Unseated Str Wt./Lbs. 48,000
Anchor Length 15 Wt. Set Lbs. 39,000 Wt. Pulled Loose/Lbs. 59,000
Top Packer Depth 3393 Tool Weight 900
Bottom Packer Depth 3398 Hole Size 7 7/8" Rubber Size 6 3/4"
Total Depth 3413 Wt. Pipe Run _____ Drill Collar Run 183
Mud Wt. 8.6 LCM _____ Vis. 49 WL 6.8 Drill Pipe Size 4.5xH Ft. Run 3204
Blow Description HIT bridge @ 1520' - I.F. Weak - building to 1"

F.F. Weak - building to 1/2"

Recovery - Total Feet 125 GIP _____ Ft. in DC 12.5 Ft. in DP _____
Rec. 35 Feet of CO %gas 100 %oil _____ %water _____ %mud _____
Rec. 30 Feet of OCM %gas 40 %oil _____ %water 60 %mud _____
Rec. 60 Feet of mdy wtr. %gas _____ %oil 80 %water 20 %mud _____
Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
BHT 104 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
RW .19 @ 80 °F Chlorides 79,000 ppm Recovery _____ Chlorides 1400 ppm System

AK-1

Alpine

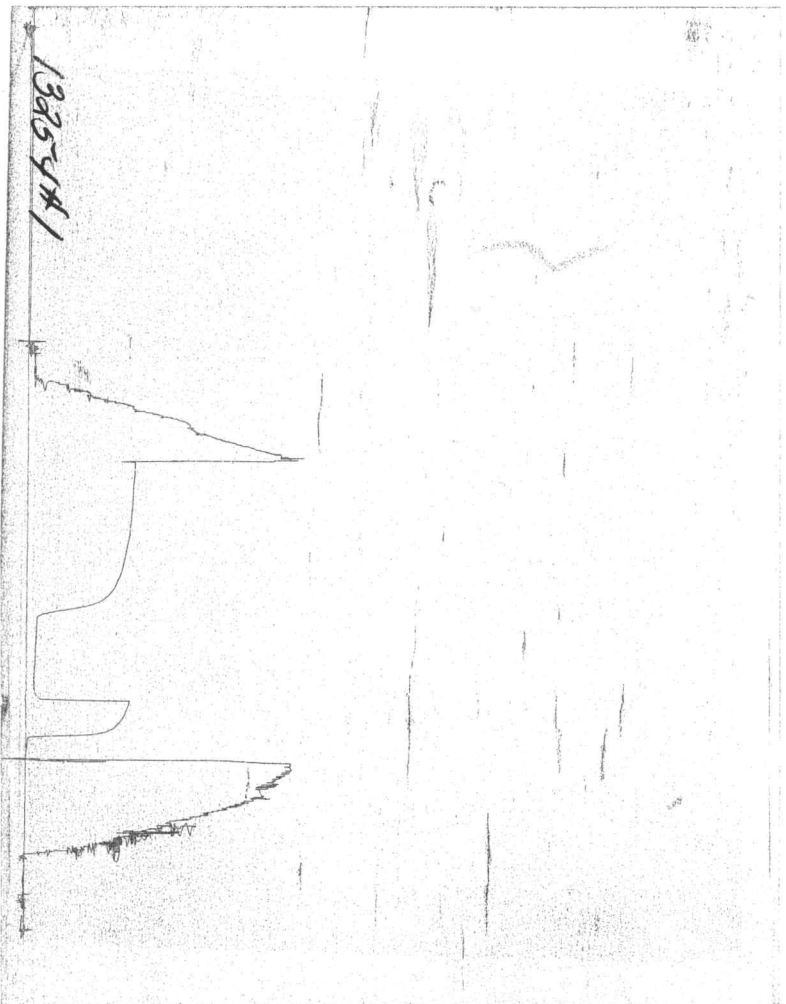
(A) Initial Hydrostatic Mud	<u>1631</u> PSI	Recorder No.	<u>6770</u>	Test	<u>700</u>
(B) First Initial Flow Pressure	<u>15</u> PSI	(depth)	<u>3399</u>	Elec. Rec.	<u>X 150</u>
(C) First Final Flow Pressure	<u>30</u> PSI	Recorder No.	<u>13254</u>	Jars	_____
(D) Initial Shut-In Pressure	<u>671</u> PSI	(depth)	<u>3410</u>	Safety Jt.	_____
(E) Second Initial Flow Pressure	<u>36</u> PSI	Recorder No.	_____	Circ Sub	_____
(F) Second Final Flow Pressure	<u>71</u> PSI	(depth)	_____	Sampler	_____
(G) Final Shut-In Pressure	<u>684</u> PSI	Initial Opening	<u>15</u>	Straddle	_____
(Q) Final Hydrostatic Mud	<u>1579</u> PSI	Initial Shut-In	<u>30</u>	Ext. Packer	_____
		Final Flow	<u>60</u>	Shale Packer	_____
		Final Shut-In	<u>120</u>	Mileage	<u>108 91.80</u>
		T-On Location	<u>04:00</u>	Sub Total:	<u>941.80</u>
		T-Started	<u>04:40</u>	Std. By	_____
		T-Open	<u>06:45</u>	Other	_____
		T-Pulled	<u>10:30</u>	Total:	_____
		T-Out	<u>12:03</u>		

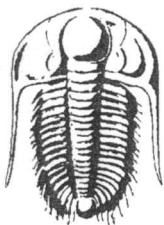
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Bryan Bynog
Our Representative Dan Bangle

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 19794

05/03

Test Ticket

Well Name & No.	Cooley B #19	Test No.	2	Date	3-21-04
Company	Berexco, Inc.	Zone Tested	B	LKC	
Address		Elevation	2218	KB	2213
Co. Rep / Geo.	Bryan Bynog	Cont.	Murfin #8	Est. Ft. of Pay	Por. %
Location: Sec.	17	Twp.	9	Rge.	21
		Co.	Graham	State	Ks
No. of Copies		Disbtribution Sheet (Y, N)		Turnkey (Y, N)	
		Evaluation (Y, N)			

Interval Tested	3426 — 3456	Initial Str Wt./Lbs.	48,000	Unseated Str Wt./Lbs.	48,200
Anchor Length	30	Wt. Set Lbs.	30,000	Wt. Pulled Loose/Lbs.	50,000
Top Packer Depth	3421	Tool Weight	1800		
Bottom Packer Depth	3426	Hole Size	7 7/8"	Rubber Size	6 3/4"
Total Depth	3456	Wt. Pipe Run		Drill Collar Run	183
Mud Wt.	8.9 LCM	Vis.	50	WL	6.8
		Drill Pipe Size	4.5 XH	Ft. Run	3236
Blow Description	I.F. Weak - building to 2 1/2"				

F.F. Weak - building to 3"

Recovery - Total Feet	210	GIP		Ft. in DC	183	Ft. in DP	27
Rec.	60	Feet of	CO	%gas		%oil	
				%water		%mud	
Rec.	30	Feet of	OCM	%gas	20	%oil	
				%water	80	%mud	
Rec.	120	Feet of	MDY WTR	%gas		%oil	
				%water		%mud	
Rec.		Feet of		%gas		%oil	
				%water		%mud	
Rec.		Feet of		%gas		%oil	
				%water		%mud	
BHT	106	°F Gravity		°API D @		°F Corrected Gravity	36
							°API
RW	116	@	78	°F	Chlorides	68000	ppm Recovery
					Chlorides	1400	ppm System

AK-1	Alpine		
(A) Initial Hydrostatic Mud	1652 PSI	Recorder No.	6270
(B) First Initial Flow Pressure	20 PSI	(depth)	3427
(C) First Final Flow Pressure	45 PSI	Recorder No.	13254
(D) Initial Shut-In Pressure	363 PSI	(depth)	3453
(E) Second Initial Flow Pressure	54 PSI	Recorder No.	
(F) Second Final Flow Pressure	104 PSI	(depth)	
(G) Final Shut-In Pressure	365 PSI	Initial Opening	15
(Q) Final Hydrostatic Mud	1616 PSI	Initial Shut-In	30

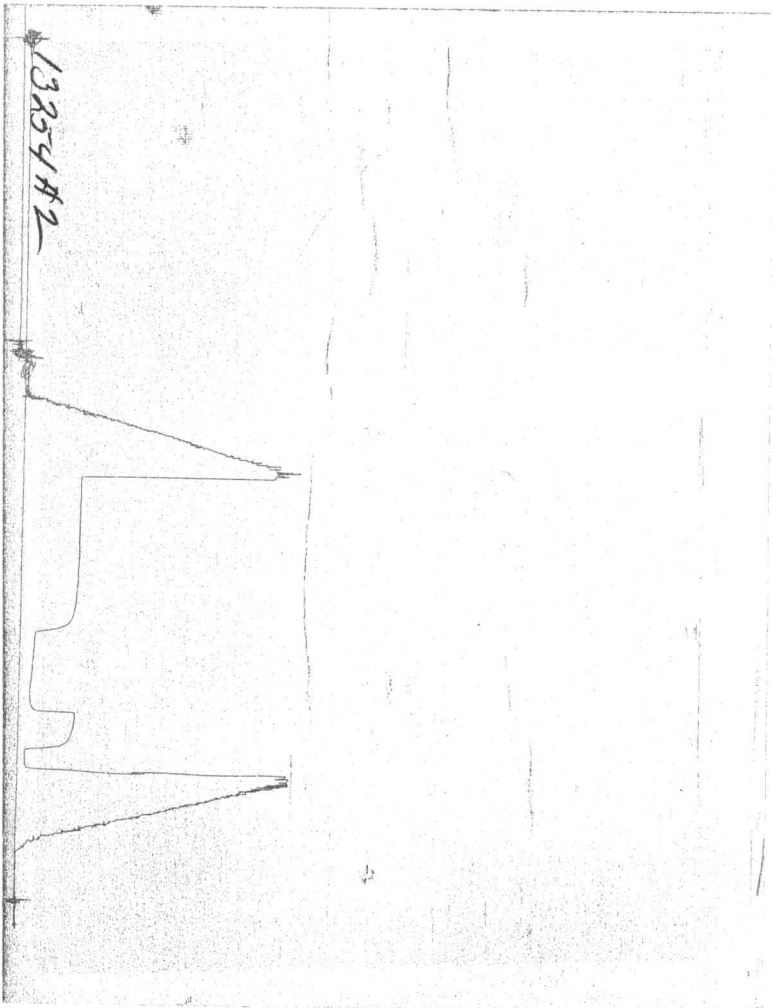
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

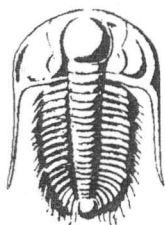
Approved By [Signature]
Our Representative [Signature]

Final Flow	60	Shale Packer	
Final Shut-In	120	Mileage	18
T-On Location	18:30	Sub Total:	941.80
T-Started	18:55	Std. By	
T-Open	20:50	Other	
T-Pulled	00:35	Total:	
T-Out	02:11		

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 19795

05/03

Test Ticket

Well Name & No.	Cooley B #19	Test No.	3	Date	3-22-04
Company	Berexco, Inc	Zone Tested	C-E-F-G	LKC	
Address		Elevation	2218	KB	2213 GL
Co. Rep / Geo.	Bryan Bynog	Cont.	Morfin #8	Est. Ft. of Pay	Por. %
Location: Sec.	17	Twp.	9	Rge.	21 Co. Graham State KS
No. of Copies		Disbtribution Sheet (Y, N)		Turnkey (Y, N)	Evaluation (Y, N)

Interval Tested	3455 — 3520	Initial Str Wt./Lbs.	48,000	Unseated Str Wt./Lbs.	50,000
Anchor Length	65	Wt. Set Lbs.	30,000	Wt. Pulled Loose/Lbs.	55,200
Top Packer Depth	3450	Tool Weight	2200		
Bottom Packer Depth	3455	Hole Size	7 7/8"	Rubber Size	6 3/4"
Total Depth	3520	Wt. Pipe Run		Drill Collar Run	183
Mud Wt.	9 LCM	Vis.	54 WL 6.8	Drill Pipe Size	4.5XH Ft. Run 3287
Blow Description	I.F. Strong - B-B in 12 min.				

F.F. Strong - B-B in 16 min.

Recovery - Total Feet	523	GIP		Ft. in DC	183	Ft. in DP	340
Rec.	52.3	Feet of	mdy wtr	%gas	%oil	%water	%mud
Rec.		Feet of		%gas	%oil	%water	%mud
Rec.		Feet of		%gas	%oil	%water	%mud
Rec.		Feet of		%gas	%oil	%water	%mud
Rec.		Feet of		%gas	%oil	%water	%mud
BHT	107	°F Gravity		°API D @		°F Corrected Gravity	°API
RW	.10	@	80 °F	Chlorides	79000 ppm	Recovery	Chlorides 1800 ppm System

(A) Initial Hydrostatic Mud	1689 PSI	Recorder No.	6770	Test	
(B) First Initial Flow Pressure	36 PSI	(depth)	3458	Elec. Rec.	X
(C) First Final Flow Pressure	123 PSI	Recorder No.	13254	Jars	
(D) Initial Shut-In Pressure	585 PSI	(depth)	3490	Safety Jt.	
(E) Second Initial Flow Pressure	131 PSI	Recorder No.		Circ Sub	
(F) Second Final Flow Pressure	263 PSI	(depth)		Sampler	
(G) Final Shut-In Pressure	590 PSI	Initial Opening	15	Straddle	
(Q) Final Hydrostatic Mud	1640 PSI	Initial Shut-In	30	Ext. Packer	

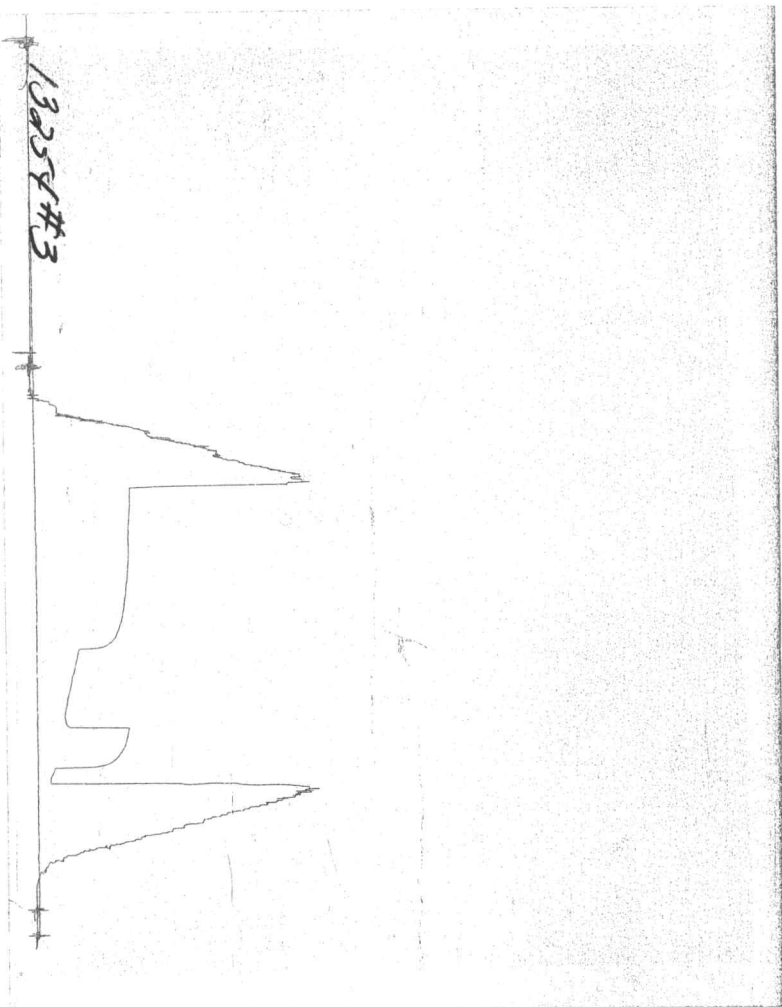
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

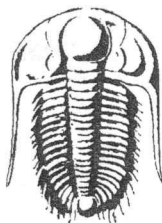
Approved By Bryan Bynog
Our Representative Dan Kandle

Final Flow	60	Shale Packer	
Final Shut-In	120	Mileage	18
T-On Location	09:30	Sub Total:	941.80
T-Started	09:55	Std. By	
T-Open	11:50	Other	
T-Pulled	15:35	Total:	
T-Out	17:16		

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No. 19796

05/03

Test Ticket

Well Name & No. Cooley B #19 Test No. 4 Date 3-23-04
Company Berexco, Inc Zone Tested I-J LKC
Address _____ Elevation 2218 KB 2213 GL
Co. Rep / Geo. Bryan Bynog Cont. Murfin #8 Est. Ft. of Pay _____ Por. _____ %
Location: Sec. 17 Twp. 9 Rge. 21 Co. Graham State Ks
No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3545 — 3587 Initial Str Wt./Lbs. 48,000 Unseated Str Wt./Lbs. 49,000
Anchor Length 42 Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 69,000
Top Packer Depth 3540 Tool Weight 2500
Bottom Packer Depth 3545 Hole Size 7 7/8" Rubber Size 6 3/4"
Total Depth 3587 Wt. Pipe Run _____ Drill Collar Run 183
Mud Wt. 9 LCM _____ Vis. 54 WL 6.8 Drill Pipe Size 4.5XH Ft. Run 3361
Blow Description I.F. Weak-building to 3"

F.F. Weak-building to 6"

Recovery - Total Feet 285 GIP 275 Ft. in DC 183 Ft. in DP 32
Rec. 65 Feet of CGSYO 20 %gas 80 %oil %water %mud
Rec. 180/150 Feet of OCGsyM 10 %gas 40 %oil %water 50 %mud
Rec. _____ Feet of _____ %gas %oil %water %mud
Rec. _____ Feet of _____ %gas %oil %water %mud
Rec. _____ Feet of _____ %gas %oil %water %mud
BHT 105 °F Gravity _____ °API D @ _____ °F Corrected Gravity 38 °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 1800 ppm System

	AK-1	Alpine			
(A) Initial Hydrostatic Mud		<u>1729</u> PSI	Recorder No.	<u>6770</u>	Test _____
(B) First Initial Flow Pressure		<u>20</u> PSI	(depth)	<u>3546</u>	Elec. Rec. <u>X</u>
(C) First Final Flow Pressure		<u>54</u> PSI	Recorder No.	<u>13254</u>	Jars _____
(D) Initial Shut-In Pressure		<u>360</u> PSI	(depth)	<u>3584</u>	Safety Jt. _____
(E) Second Initial Flow Pressure		<u>61</u> PSI	Recorder No.		Circ Sub _____
(F) Second Final Flow Pressure		<u>96</u> PSI	(depth)		Sampler _____
(G) Final Shut-In Pressure		<u>373</u> PSI	Initial Opening	<u>15</u>	Straddle _____
(Q) Final Hydrostatic Mud		<u>1717</u> PSI	Initial Shut-In	<u>30</u>	Ext. Packer _____

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

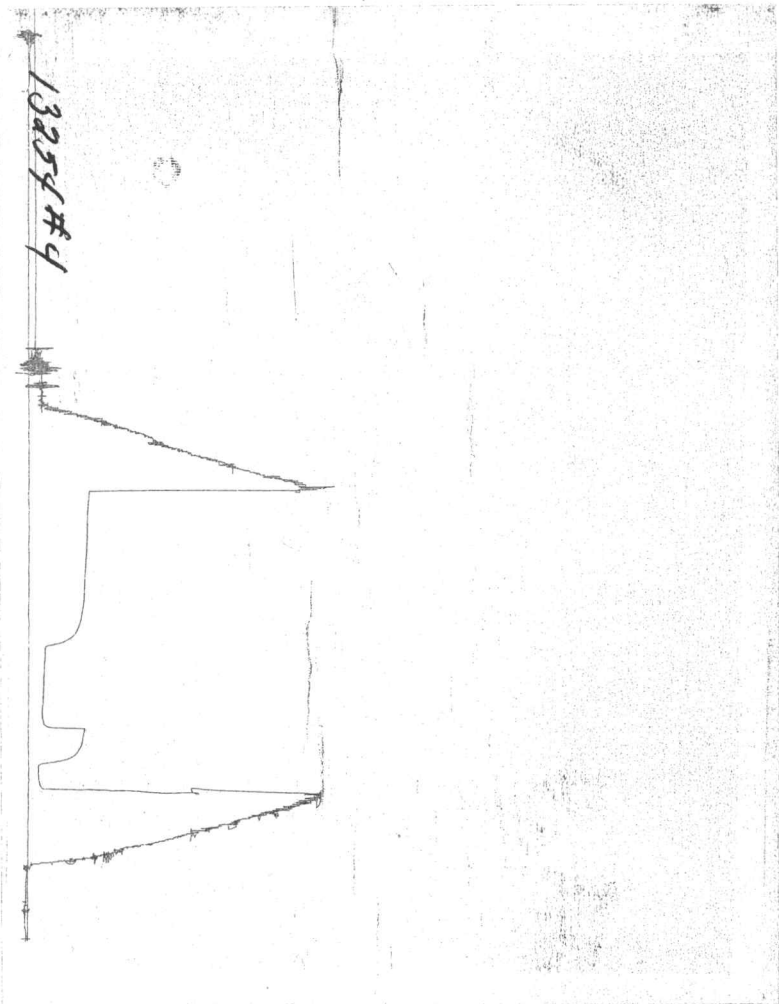
Approved By [Signature]

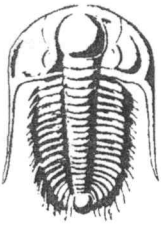
Our Representative Dan Bangle

Final Flow	<u>60</u>	Shale Packer	_____
Final Shut-In	<u>120</u>	Mileage	<u>18</u>
T-On Location	<u>02:15</u>	Sub Total:	<u>941.80</u>
T-Started	<u>02:30</u>	Std. By	_____
T-Open	<u>04:25</u>	Other	_____
T-Pulled	<u>08:10</u>	Total:	_____
T-Out	<u>09:46</u>		

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No. 19797

05/03

Test Ticket

Well Name & No. Cooley B #19 Test No. 5 Date 3-23-04
Company Berexco, Inc Zone Tested K LKC
Address _____ Elevation 2218 KB 2213 GL
Co. Rep / Geo. Bryan Bynog Cont. Murfin #8 Est. Ft. of Pay _____ Por. _____ %
Location: Sec. 17 Twp. 9 Rge. 21 Co. Graham State Ks
No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3580 — 3615 Initial Str Wt./Lbs. 49000 Unseated Str Wt./Lbs. 49200
Anchor Length 35 Wt. Set Lbs. 39000 Wt. Pulled Loose/Lbs. 69000
Top Packer Depth 3525 Tool Weight 1400
Bottom Packer Depth 3580 Hole Size 7 7/8" Rubber Size 6 3/4"
Total Depth 3615 Wt. Pipe Run _____ Drill Collar Run 183
Mud Wt. 9.1 LCM _____ Vis. 52 WL 7.2 Drill Pipe Size 4.5 XH Ft. Run 3391
Blow Description I.F. weak steady surface blow.

F.F. No blow

Recovery - Total Feet 15 GIP _____ Ft. in DC 15 Ft. in DP _____
Rec. 15 Feet of mud w/ few oil spots %gas _____ %oil _____ %water _____ %mud _____
Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
BHT 102 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 2100 ppm System

	AK-1	Alpine			
(A) Initial Hydrostatic Mud	<u>1741</u>	PSI	Recorder No.	<u>6720</u>	Test _____
(B) First Initial Flow Pressure	<u>16</u>	PSI	(depth)	<u>3581</u>	Elec. Rec. <u>X</u>
(C) First Final Flow Pressure	<u>25</u>	PSI	Recorder No.	<u>13254</u>	Jars _____
(D) Initial Shut-In Pressure	<u>695</u>	PSI	(depth)	<u>3612</u>	Safety Jt. _____
(E) Second Initial Flow Pressure	<u>27</u>	PSI	Recorder No.		Circ Sub _____
(F) Second Final Flow Pressure	<u>40</u>	PSI	(depth)		Sampler _____
(G) Final Shut-In Pressure	<u>707</u>	PSI	Initial Opening	<u>15</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>1726</u>	PSI	Initial Shut-In	<u>30</u>	Ext. Packer _____

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

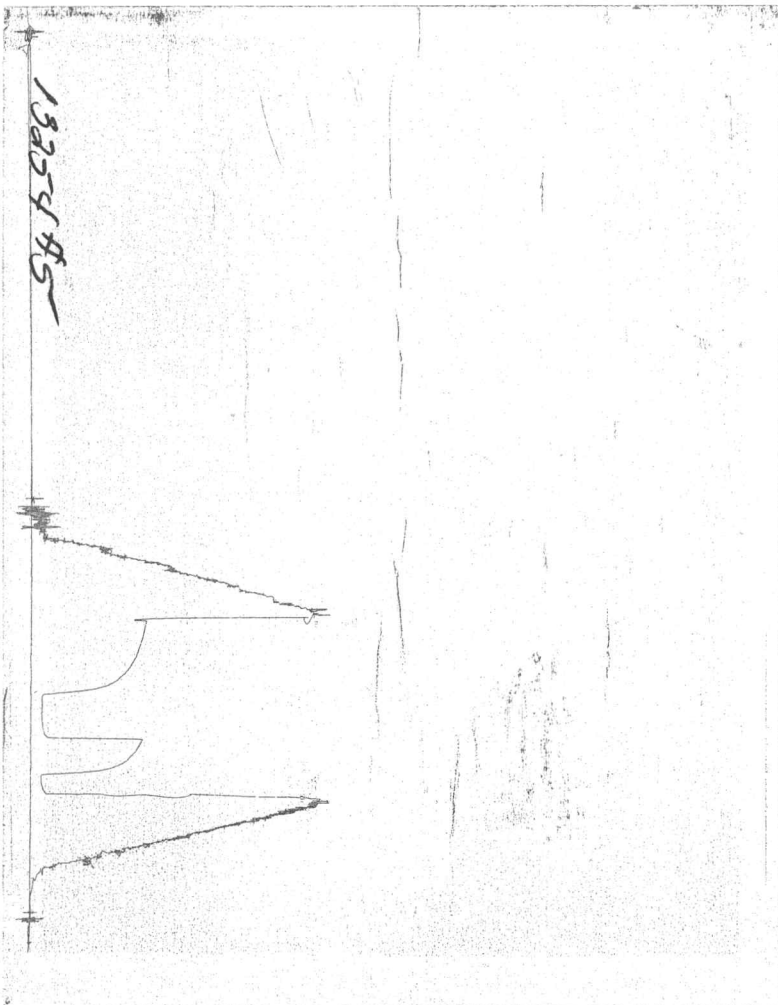
Approved By [Signature]

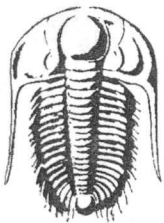
Our Representative Dan Rangle

Final Flow	<u>30</u>	Shale Packer	_____
Final Shut-In	<u>60</u>	Mileage <u>18</u>	_____
T-On Location	<u>15:15</u>	Sub Total: <u>941.80</u>	_____
T-Started	<u>15:50</u>	Std. By _____	_____
T-Open	<u>17:45</u>	Other _____	_____
T-Pulled	<u>20:00</u>	Total: _____	_____
T-Out	<u>21:43</u>		_____

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No. 19798

05/03

Test Ticket

Well Name & No.	Cooley B #19	Test No.	6	Date	3-24-04
Company	Berexco, Inc	Zone Tested	Arbuckle		
Address		Elevation	2218	KB	2213
Co. Rep / Geo.	Bryan Bynog	Cont.	Murfin #8	Est. Ft. of Pay	Por. %
Location: Sec.	17	Twp.	9	Rge.	21
		Co.	Graham	State	KS
No. of Copies		Disbtribution Sheet (Y, N)		Turnkey (Y, N)	
		Evaluation (Y, N)			

Interval Tested	3700 — 3719	Initial Str Wt./Lbs.	59000	Unseated Str Wt./Lbs.	52000
Anchor Length	19	Wt. Set Lbs.	34000	Wt. Pulled Loose/Lbs	69000
Top Packer Depth	3695	Tool Weight	1100		
Bottom Packer Depth	3700	Hole Size	7 7/8"	Rubber Size	6 3/4"
Total Depth	3719	Wt. Pipe Run		Drill Collar Run	183
Mud Wt.	9.2 LCM	Vis.	55	WL	2.2
		Drill Pipe Size	4.5XH	Ft. Run	3515
Blow Description	I.F. Weak - building to 10" fair blow				

F.F. Weak - building to 8-6 in 25 min.

Recovery - Total Feet	375	GIP	115	Ft. in DC	183	Ft. in DP	192
Rec.	95	Feet of	CO	%gas	%oil	%water	%mud
Rec.	280	Feet of	mdy WTR	%gas	%oil	80	%water 20 %mud
Rec.		Feet of		%gas	%oil	%water	%mud
Rec.		Feet of		%gas	%oil	%water	%mud
Rec.		Feet of		%gas	%oil	%water	%mud
BHT		°F Gravity		°API D @		°F Corrected Gravity	32 °API
RW	.24	@	75 °F	Chlorides	27000 ppm	Recovery	Chlorides 2100 ppm System

AK-1

(A) Initial Hydrostatic Mud	1825 PSI	Recorder No.	6770	Test	
(B) First Initial Flow Pressure	38 PSI	(depth)	3701	Elec. Rec.	X
(C) First Final Flow Pressure	98 PSI	Recorder No.	13254	Jars	
(D) Initial Shut-In Pressure	1015 PSI	(depth)	3716	Safety Jt.	
(E) Second Initial Flow Pressure	104 PSI	Recorder No.		Circ Sub	
(F) Second Final Flow Pressure	177 PSI	(depth)		Sampler	
(G) Final Shut-In Pressure	1056 PSI	Initial Opening	15	Straddle	
(Q) Final Hydrostatic Mud	1788 PSI	Initial Shut-In	30	Ext. Packer	

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Bryan Bynog
Our Representative Dan Rangle

Final Flow	60	Shale Packer	
Final Shut-In	120	Mileage	18
T-On Location	09:10	Sub Total:	941.80
T-Started	09:30	Std. By	
T-Open	11:15	Other	
T-Pulled	15:00	Total:	
T-Out	16:49		

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart

