



DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co**

250 n Water , Suite 300
Wichita KS 67202

ATTN: Tim Pierce

13-3-27 Decatur, Ks

Bekitombre #1-13

Start Date: 2006.01.25 @ 14:36:31

End Date: 2006.01.25 @ 23:15:10

Job Ticket #: 22643 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

Murfin Drilling Co
250 n Water, Suite 300
Wichita KS 67202

ATTN: Tim Pierce

Bekitombre #1-13

13-3-27 Decatur, Ks

Job Ticket: 22643

DST#: 1

Test Start: 2006.01.25 @ 14:36:31

GENERAL INFORMATION:

Formation: **toronto, A-B**

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

Time Tool Opened: 16:11:11

Time Test Ended: 23:15:10

Test Type: **Conventional Bottom Hole**

Tester: **Shane McBride**

Unit No: **25**

Interval: **3525.00 ft (KB) To 3600.00 ft (KB) (TVD)**

Total Depth: **3600.00 ft (KB) (TVD)**

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

Reference Elevations: **2620.00 ft (KB)**

2615.00 ft (CF)

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

Serial #: 6667 **Inside**

Press@RunDepth: **793.88 psig @ 3526.00 ft (KB)**

Start Date: **2006.01.25**

End Date:

2006.01.25

Capacity: **7000.00 psig**

Last Calib.: **2006.01.25**

Start Time: **14:36:31**

End Time:

22:48:10

Time On Btm: **2006.01.25 @ 16:10:41**

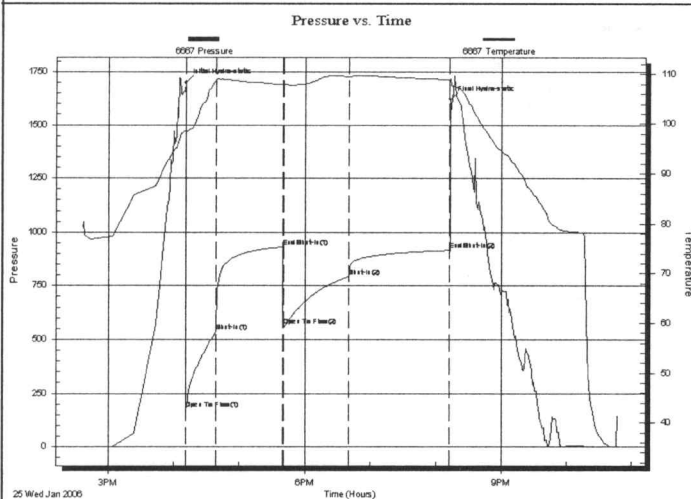
Time Off Btm: **2006.01.25 @ 20:13:11**

TEST COMMENT: **Slide tool 8' B.O.B. in 1 min.**

No return

B.O.B. in 3 min.

No return



PRESSURE SUMMARY

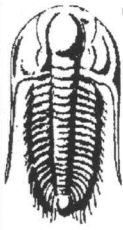
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1698.60	98.51	Initial Hydro-static
1	176.14	98.46	Open To Flow (1)
29	535.73	108.95	Shut-In(1)
89	931.05	107.87	End Shut-In(1)
90	561.74	107.76	Open To Flow (2)
150	793.88	109.48	Shut-In(2)
242	917.06	108.95	End Shut-In(2)
243	1621.66	109.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1380.00	water 100%w	14.62
360.00	s m c w 15% m 85% w	5.05
120.00	w c m 30% w 70% m	1.68

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co

250 n Water , Suite 300
Wichita KS 67202

ATTN: Tim Pierce

Bekitombre #1-13

13-3-27 Decatur, Ks

Job Ticket: 22643

DST#: 1

Test Start: 2006.01.25 @ 14:36:31

Tool Information

Drill Pipe:	Length: 2993.00 ft	Diameter: 3.80 inches	Volume: 41.98 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 520.00 ft	Diameter: 2.25 inches	Volume: 2.56 bbl	Weight to Pull Loose: 110000.0 lb
			<u>Total Volume: 44.54 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 75000.00 lb
Depth to Top Packer:	3525.00 ft			Final 85000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	75.00 ft			
Tool Length:	95.00 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			3506.00	
Shut In Tool	5.00			3511.00	
Hydraulic tool	5.00			3516.00	
Packer	5.00		Fluid	3521.00	20.00 Bottom Of Top Packer
Packer	4.00			3525.00	
Stubb	1.00			3526.00	
Recorder	0.00	6667	Inside	3526.00	
Perforations	5.00			3531.00	
Change Over Sub	1.00			3532.00	
Drill Pipe	62.00			3594.00	
Change Over Sub	1.00			3595.00	
Recorder	0.00	11058	Inside	3595.00	
Bullnose	5.00			3600.00	75.00 Bottom Packers & Anchor

Total Tool Length: 95.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co

Bekitombre #1-13

250 n Water , Suite 300
Wichita KS 67202

13-3-27 Decatur, Ks

Job Ticket: 22643

DST#: 1

ATTN: Tim Pierce

Test Start: 2006.01.25 @ 14:36:31

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity: 42500 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.77 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 900.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1380.00	water 100%w	14.621
360.00	s m c w 15% m 85% w	5.050
120.00	w c m 30% w 70% m	1.683

Total Length: 1860.00 ft Total Volume: 21.354 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw .198 @ 60°F =42,500

Serial #: 6667

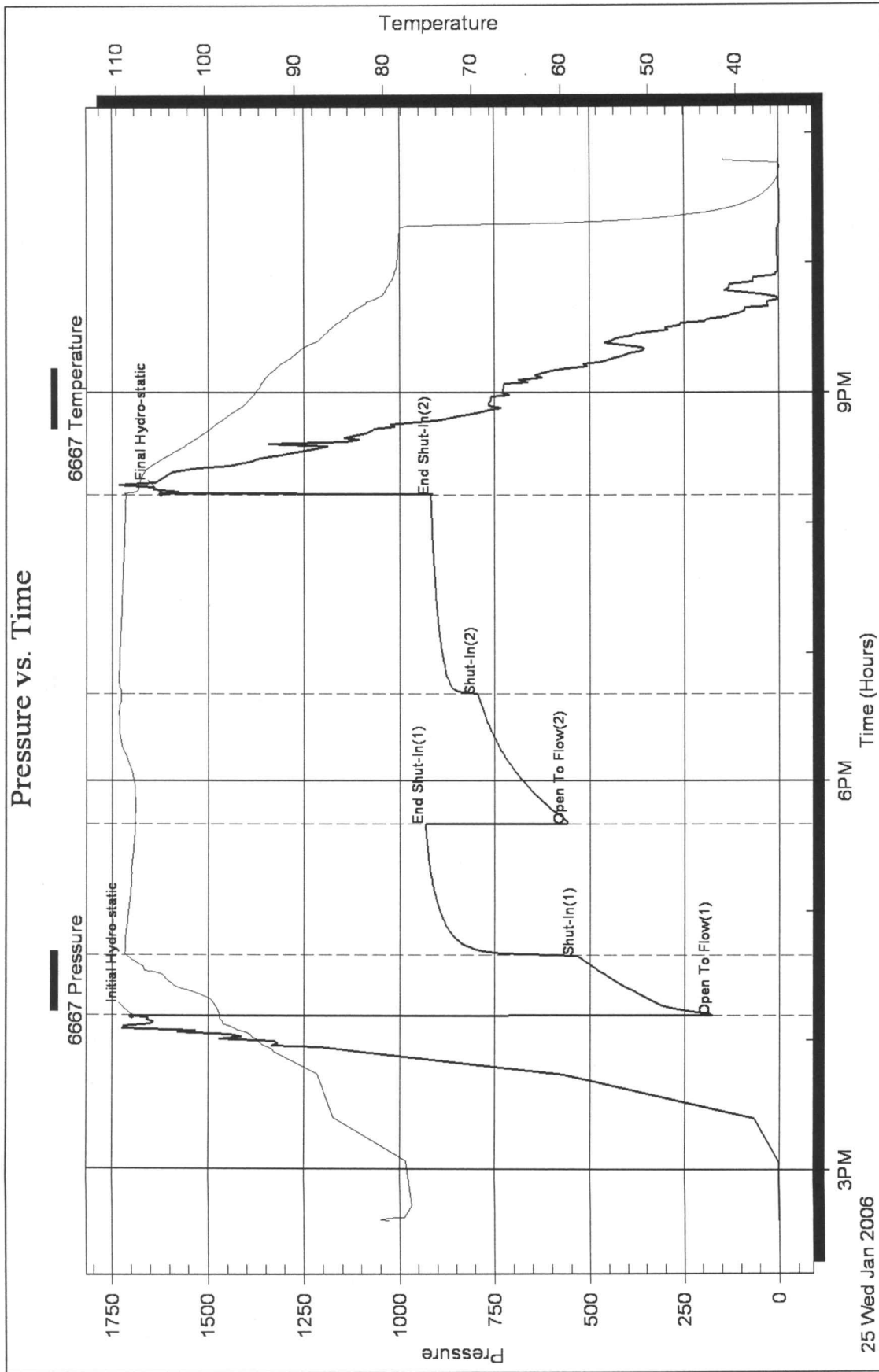
Inside

Murfin Drilling Co

13-3-27 Decatur, Ks

DST Test Number: 1

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co**

250 n Water , Suite 300
Wichita KS 67202

ATTN: Tim Pierce

13-3-27 Decatur, Ks

Bekitombre #1-13

Start Date: 2006.01.26 @ 06:30:35

End Date: 2006.01.26 @ 12:35:44

Job Ticket #: 22644 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

Murfin Drilling Co

250 n Water , Suite 300
Wichita KS 67202

ATTN: Tim Pierce

Bekitombre #1-13

13-3-27 Decatur, Ks

Job Ticket: 22644

DST#: 2

Test Start: 2006.01.26 @ 06:30:35

GENERAL INFORMATION:

Formation: D

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:19:30

Time Test Ended: 12:35:44

Test Type: Conventional Bottom Hole

Tester: Shane McBride

Unit No: 25

Interval: 3606.00 ft (KB) To 3641.00 ft (KB) (TVD)

Total Depth: 3641.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2620.00 ft (KB)

2615.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6667

Inside

Press@RunDepth: 31.96 psig @ 3607.00 ft (KB)

Start Date: 2006.01.26

End Date:

2006.01.26

Start Time: 06:30:35

End Time:

12:23:44

Capacity: 7000.00 psig

Last Calib.: 2006.01.26

Time On Btm: 2006.01.26 @ 08:18:45

Time Off Btm: 2006.01.26 @ 10:52:15

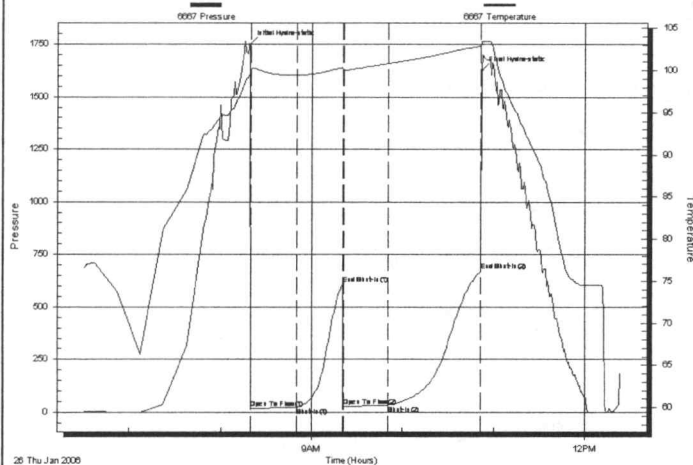
TEST COMMENT: 1/2" in. @ open , died in 14 min.

No return

Weak blow died in 4 min.

No return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1750.00	99.47	Initial Hydro-static
1	17.42	100.05	Open To Flow (1)
32	23.55	99.42	Shut-In(1)
62	609.92	100.31	End Shut-In(1)
63	25.49	100.02	Open To Flow (2)
92	31.96	100.80	Shut-In(2)
153	672.54	102.85	End Shut-In(2)
154	1626.48	103.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	free oil 100%o	0.00
4.00	h o c m 35%o 65%m	0.02

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co

250 n Water , Suite 300
Wichita KS 67202

ATTN: Tim Pierce

Bekitombre #1-13

13-3-27 Decatur, Ks

Job Ticket: 22644

DST#: 2

Test Start: 2006.01.26 @ 06:30:35

Tool Information

Drill Pipe:	Length: 3086.00 ft	Diameter: 3.80 inches	Volume: 43.29 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 520.00 ft	Diameter: 2.25 inches	Volume: 2.56 bbl	Weight to Pull Loose: 110000.0 lb
			<u>Total Volume: 45.85 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 75000.00 lb
Depth to Top Packer:	3606.00 ft			Final 75000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.00 ft			
Tool Length:	55.00 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			3587.00		
Shut In Tool	5.00			3592.00		
Hydraulic tool	5.00			3597.00		
Packer	5.00		Fluid	3602.00	20.00	Bottom Of Top Packer
Packer	4.00			3606.00		
Stubb	1.00			3607.00		
Recorder	0.00	6667	Inside	3607.00		
Perforations	29.00			3636.00		
Recorder	0.00	11058	Inside	3636.00		
Bullnose	5.00			3641.00	35.00	Bottom Packers & Anchor
Total Tool Length:	55.00					



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DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co

250 n Water , Suite 300
Wichita KS 67202

ATTN: Tim Pierce

Bekitombre #1-13

13-3-27 Decatur, Ks

Job Ticket: 22644

DST#: 2

Test Start: 2006.01.26 @ 06:30:35

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 55.00 sec/qt

Water Loss: 5.98 in³

Resistivity: 0.00 ohm.m

Salinity: 2400.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

0 deg API

Water Salinity:

2400 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	free oil 100%o	0.005
4.00	h o c m 35%o 65%m	0.020

Total Length: 5.00 ft

Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6667

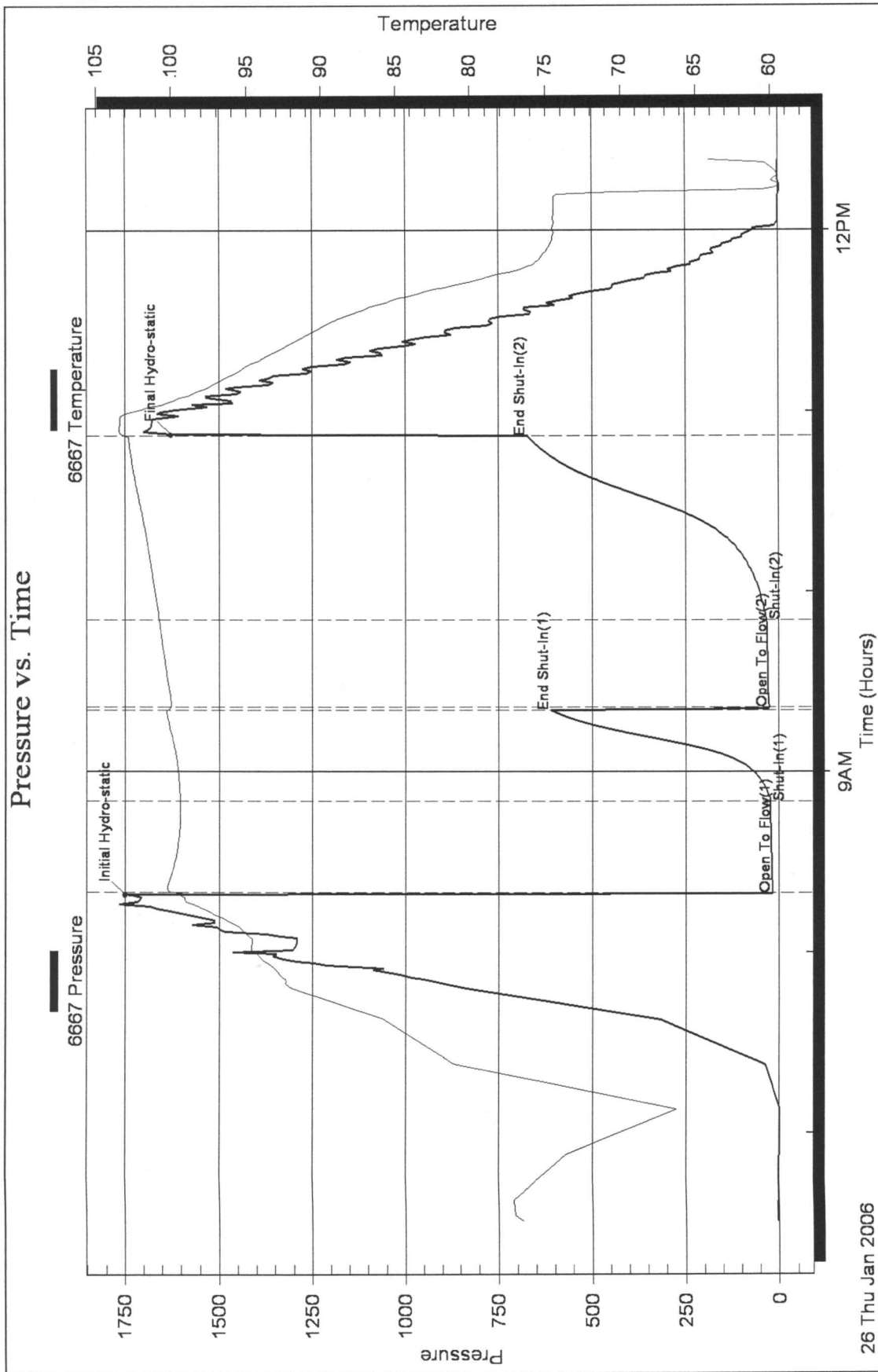
Inside

Murfin Drilling Co

13-3-27 Decatur, Ks

DST Test Number: 2

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co**

250 n Water , Suite 300
Wichita KS 67202

ATTN: Tim Pierce

13-3-27 Decatur, Ks

Bekitombre #1-13

Start Date: 2006.01.26 @ 18:40:14

End Date: 2006.01.27 @ 00:10:08

Job Ticket #: 22645 DST #: 3

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



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DRILL STEM TEST REPORT

Murfin Drilling Co

250 n Water, Suite 300.
Wichita KS 67202

ATTN: Tim Pierce

Bekitombre #1-13

13-3-27 Decatur, Ks

Job Ticket: 22645

DST#: 3

Test Start: 2006.01.26 @ 18:40:14

GENERAL INFORMATION:

Formation: **G**

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

Time Tool Opened: 19:59:09

Time Test Ended: 00:10:08

Test Type: **Conventional Bottom Hole**

Tester: **Shane McBride**

Unit No: **25**

Interval: **3639.00 ft (KB) To 3660.00 ft (KB) (TVD)**

Total Depth: **3660.00 ft (KB) (TVD)**

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

Reference Elevations: **2620.00 ft (KB)**

2615.00 ft (CF)

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

Serial #: 6667

Inside

Press@RunDepth: **22.36 psig @ 3640.00 ft (KB)**

Start Date: **2006.01.26**

End Date:

2006.01.27

Start Time: **18:40:14**

End Time:

00:05:08

Capacity: **7000.00 psig**

Last Calib.: **2006.01.27**

Time On Btm: **2006.01.26 @ 19:58:54**

Time Off Btm: **2006.01.26 @ 22:29:54**

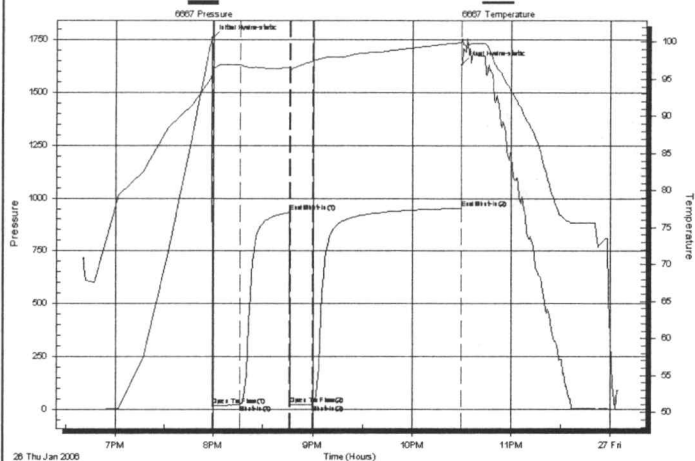
TEST COMMENT: **1/4" in blow died in 5 min.**

No return

No blow

No return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1756.39	95.89	Initial Hydro-static
1	17.54	96.01	Open To Flow (1)
17	19.67	96.89	Shut-In(1)
47	932.76	96.54	End Shut-In(1)
48	21.03	96.28	Open To Flow (2)
61	22.36	97.48	Shut-In(2)
151	953.05	99.95	End Shut-In(2)
151	1632.36	100.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100% m	0.02

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co

250 n Water , Suite 300
Wichita KS 67202

ATTN: Tim Pierce

Bekitombre #1-13

13-3-27 Decatur, Ks

Job Ticket: 22645

DST#: 3

Test Start: 2006.01.26 @ 18:40:14

Tool Information

Drill Pipe:	Length: 3119.00 ft	Diameter: 3.80 inches	Volume: 43.75 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 520.00 ft	Diameter: 2.25 inches	Volume: 2.56 bbl	Weight to Pull Loose: 110000.0 lb
			<u>Total Volume: 46.31 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	3639.00 ft			Final 78000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	75.00 ft			
Tool Length:	95.00 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			3620.00	
Shut In Tool	5.00			3625.00	
Hydraulic tool	5.00			3630.00	
Packer	5.00		Fluid	3635.00	20.00 Bottom Of Top Packer
Packer	4.00			3639.00	
Stubb	1.00			3640.00	
Recorder	0.00	6667	Inside	3640.00	
Perforations	5.00			3645.00	
Change Over Sub	1.00			3646.00	
Drill Pipe	62.00			3708.00	
Change Over Sub	1.00			3709.00	
Recorder	0.00	11058	Inside	3709.00	
Bullnose	5.00			3714.00	75.00 Bottom Packers & Anchor

Total Tool Length: 95.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co

Bekitombre #1-13

250 n Water , Suite 300
Wichita KS 67202

13-3-27 Decatur, Ks

Job Ticket: 22645

DST#: 3

ATTN: Tim Pierce

Test Start: 2006.01.26 @ 18:40:14

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

2400 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbl

Water Loss: 5.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2400.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100%m	0.025

Total Length: 5.00 ft

Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6667

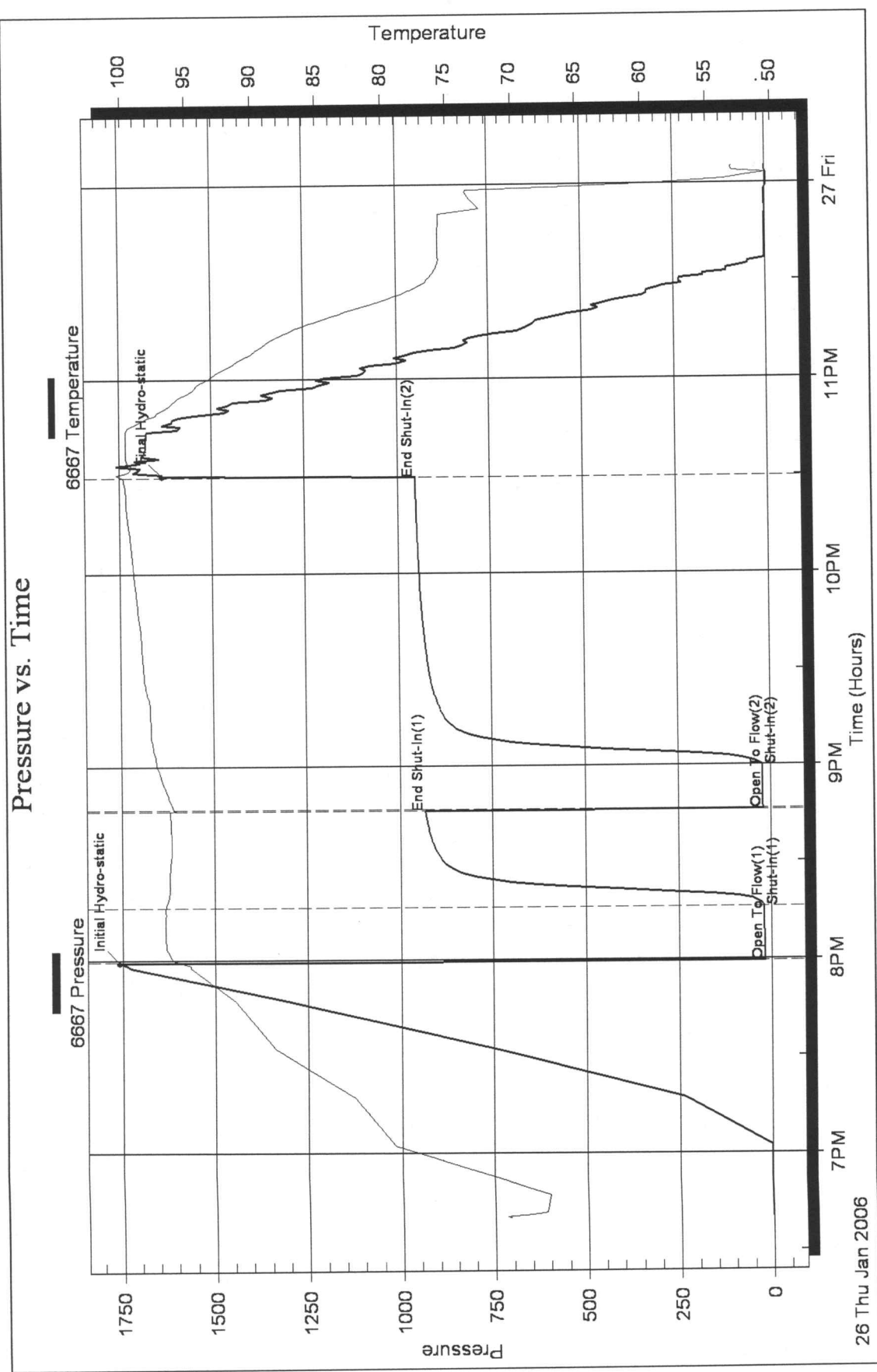
Inside

Murfin Drilling Co

13-3-27 Decatur, Ks

DST Test Number: 3

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co**

250 n Water , Suite 300
Wichita KS 67202

ATTN: Tim Pierce

13-3-27 Decatur, Ks

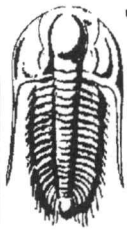
Bekitombre #1-13

Start Date: 2006.01.27 @ 13:40:09

End Date: 2006.01.27 @ 21:12:18

Job Ticket #: 22646 DST #: 4

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



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DRILL STEM TEST REPORT

Murfin Drilling Co

250 n Water, Suite 300
Wichita KS 67202

ATTN: Tim Pierce

Bekitombre #1-13

13-3-27 Decatur, Ks

Job Ticket: 22646

DST#: 4

Test Start: 2006.01.27 @ 13:40:09

GENERAL INFORMATION:

Formation: **H-J-K-L**

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

Time Tool Opened: 15:12:34

Time Test Ended: 21:12:18

Test Type: **Conventional Bottom Hole**

Tester: **Shane McBride**

Unit No: **25**

Interval: **3662.00 ft (KB) To 3769.00 ft (KB) (TVD)**

Total Depth: **3769.00 ft (KB) (TVD)**

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

Reference Elevations: **2620.00 ft (KB)**

2615.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6667

Inside

Press@RunDepth: **529.36 psig @ 3663.00 ft (KB)**

Start Date: **2006.01.27**

End Date:

2006.01.27

Start Time: **13:40:09**

End Time:

21:12:18

Capacity: **7000.00 psig**

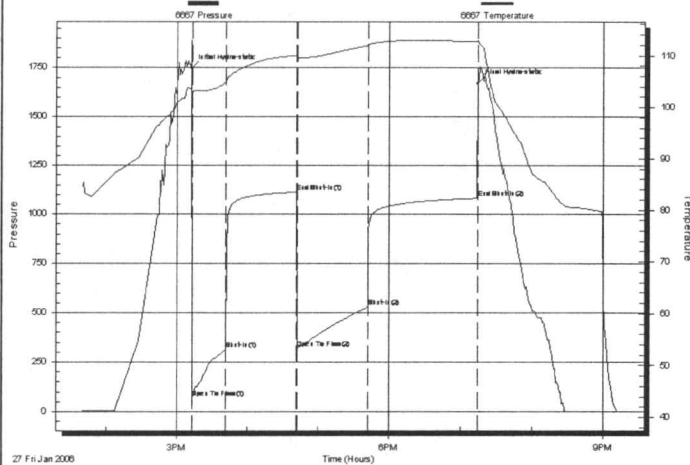
Last Calib.: **2006.01.27**

Time On Btm: **2006.01.27 @ 15:12:04**

Time Off Btm: **2006.01.27 @ 19:14:34**

TEST COMMENT: **B.O.B. in 8 min.**
No return
B.O.B. in 10 min.
No return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1746.31	103.60	Initial Hydro-static
1	70.23	102.63	Open To Flow (1)
30	312.79	104.83	Shut-In (1)
90	1113.88	109.96	End Shut-In (1)
90	318.44	109.71	Open To Flow (2)
150	529.36	111.89	Shut-In (2)
243	1083.31	112.63	End Shut-In (2)
243	1673.54	112.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
864.00	water 100%w	7.38
180.00	m c w 75%w 25%m	2.52
10.00	free oil 100%o	0.14

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co

250 n Water, Suite 300
Wichita KS 67202

ATTN: Tim Pierce

Bekitombre #1-13

13-3-27 Decatur, Ks

Job Ticket: 22646

DST#: 4

Test Start: 2006.01.27 @ 13:40:09

Tool Information

Drill Pipe:	Length: 3147.00 ft	Diameter: 3.80 inches	Volume: 44.14 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 520.00 ft	Diameter: 2.25 inches	Volume: 2.56 bbl	Weight to Pull Loose: 110000.0 lb
			Total Volume: 46.70 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	3662.00 ft			Final 84000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	107.00 ft			
Tool Length:	127.00 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			3643.00	
Shut In Tool	5.00			3648.00	
Hydraulic tool	5.00			3653.00	
Packer	5.00		Fluid	3658.00	20.00 Bottom Of Top Packer
Packer	4.00			3662.00	
Stubb	1.00			3663.00	
Recorder	0.00	6667	Inside	3663.00	
Perforations	6.00			3669.00	
Change Over Sub	1.00			3670.00	
Drill Pipe	93.00			3763.00	
Change Over Sub	1.00			3764.00	
Recorder	0.00	11058	Inside	3764.00	
Bullnose	5.00			3769.00	107.00 Bottom Packers & Anchor

Total Tool Length: 127.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co

Bekitombre #1-13

250 n Water , Suite 300
Wichita KS 67202

13-3-27 Decatur, Ks

Job Ticket: 22646

DST#: 4

ATTN: Tim Pierce

Test Start: 2006.01.27 @ 13:40:09

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

31 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

90000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbl

Water Loss: 5.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
864.00	water 100%w	7.383
180.00	m c w 75%w 25%m	2.525
10.00	free oil 100%o	0.140

Total Length: 1054.00 ft

Total Volume: 10.048 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6667

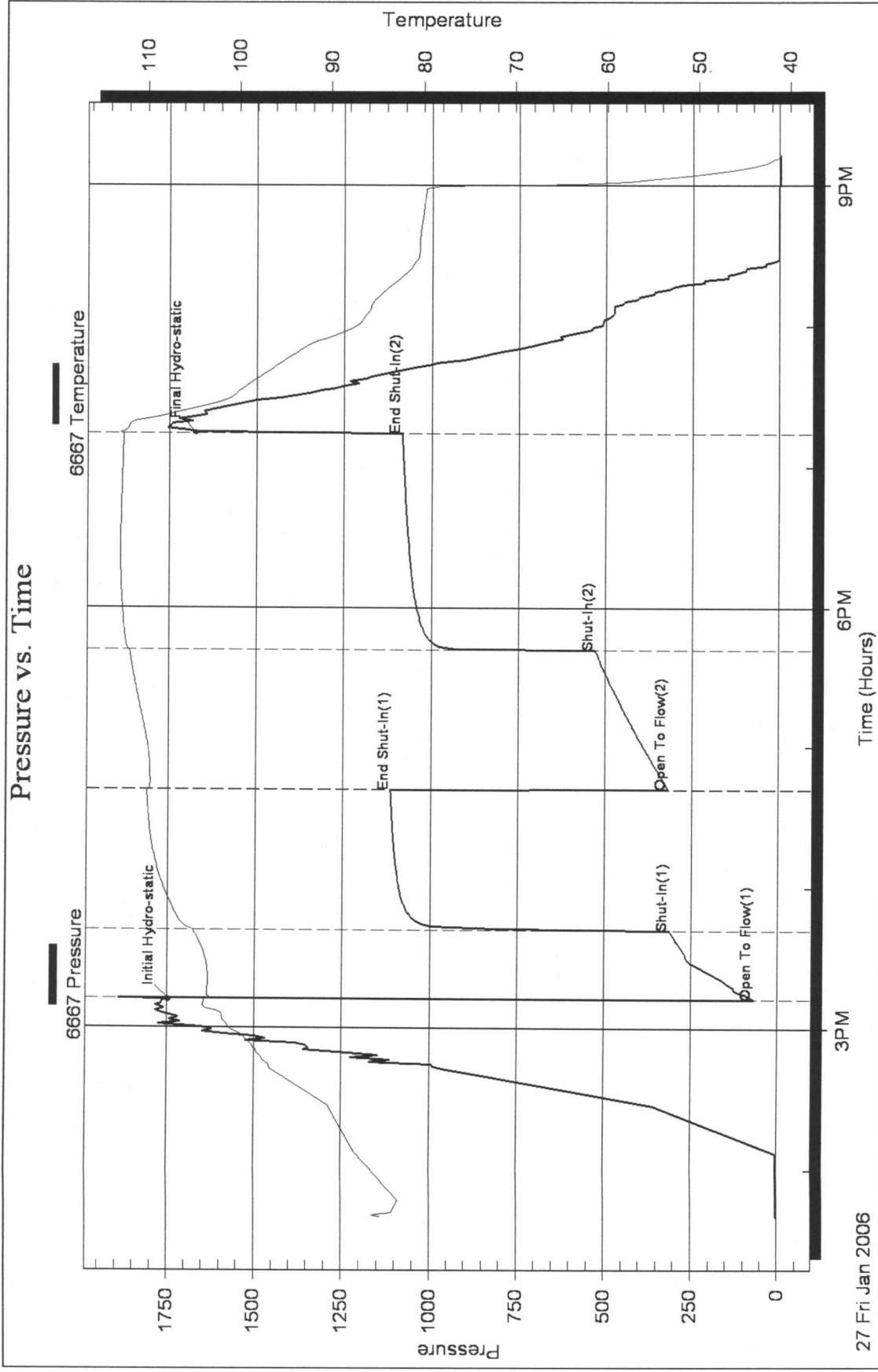
Inside

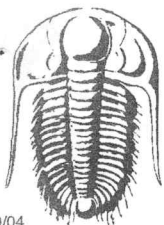
Murfin Drilling Co

13-3-27 Decatur, Ks

DST Test Number: 4

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 22643

8351

Test Ticket

Well Name & No. Bekitombre Unit #1-13 Test No. #1 Date 1/25/06
 Company Martin Drilling Co Zone Tested Turkey A-13
 Address 250 N. Water Suite 300 Wichita KS Elevation 2620 KB 2615 GL
 Co. Rep / Geo. Tim Pierce Cont. Martin #3 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 13 Twp. 35 Rge. 27W Co. _____ State KS
 No. of Copies Num. Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3525 3000 Initial Str Wt./Lbs. 75,000 Unseated Str Wt/Lbs. 85,000
 Anchor Length 75 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 110,000
 Top Packer Depth 3520 Tool Weight 1500
 Bottom Packer Depth 3525 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 3400 Wt. Pipe Run _____ Drill Collar Run 520'
 Mud Wt. 8.9 LCM 1/2 Vis. 50 WL 4.8 Drill Pipe Size 4 1/2 IN Ft. Run 2993
 Blow Description Slide tool 8', B.O.B. in 1 min
No return
B.O.B. in 3 min
No return

Recovery - Total Feet 1860' GIP _____ Ft. in DC 520' Ft. in DP 1340
 Rec. 120' Feet of WCM %gas _____ %oil 30 %water 70 %mud _____
 Rec. 360' Feet of SM CW %gas _____ %oil 85 %water 15 %mud _____
 Rec. 1380' Feet of Water %gas _____ %oil 100 %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 109° °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW .198 @ 40 °F Chlorides 42,500 ppm Recovery 42,500 Chlorides 900 ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	Recorder No.	Test Y
(B) First Initial Flow Pressure	1698	PSI	6667	1000 ⁰⁰
(C) First Final Flow Pressure	176	PSI	(depth) 3526	Jars
(D) Initial Shut-In Pressure	535	PSI	Recorder No. 11058	Safety Jt.
(E) Second Initial Flow Pressure	931	PSI	(depth) 3595'	Circ Sub <u>N/C</u>
(F) Second Final Flow Pressure	501	PSI	Recorder No.	Sampler
(G) Final Shut-In Pressure	793	PSI	(depth)	Straddle
(Q) Final Hydrostatic Mud	917	PSI	Initial Opening 30	Ext. Packer
	1621	PSI	Initial Shut-In 60	Shale Packer
			Final Flow 60	Ruined Packer
			Final Shut-In 90	Mileage <u>4252 RT \$252</u>

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Approved By Tim Pierce

Our Representative

T-On Location

T-Started

T-Open

T-Pulled

T-Out

14:00 p.m.

14:45 p.m.

16:20 p.m.

20:20 p.m.

23:15 p.m.

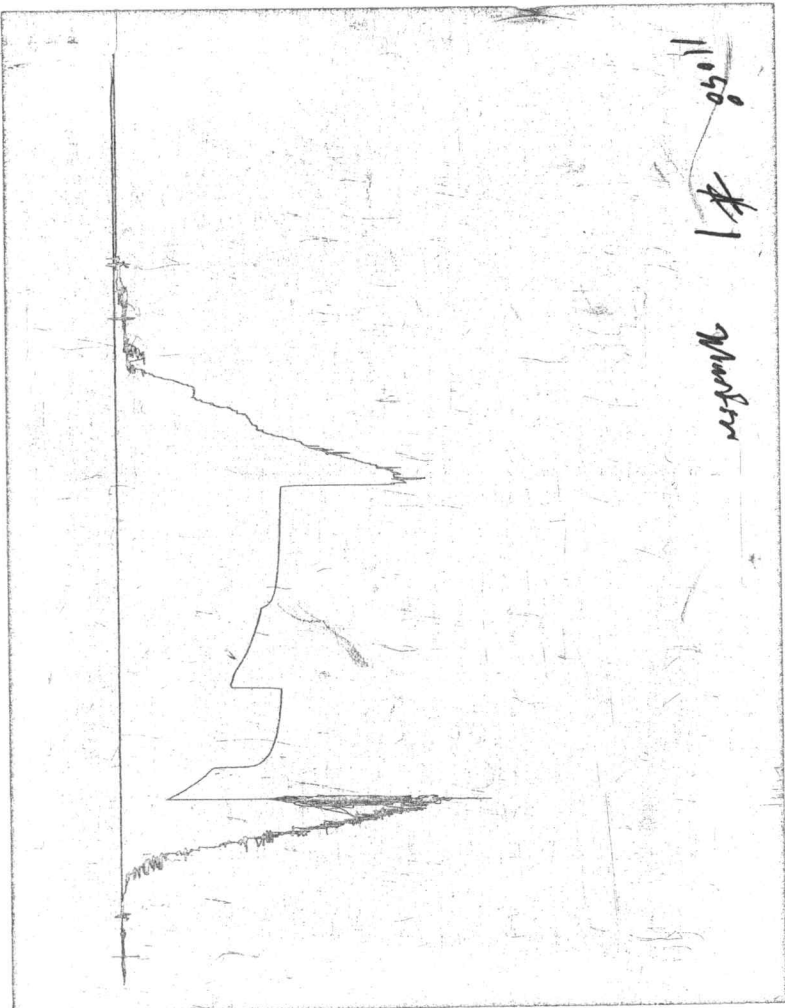
Std. By

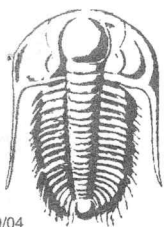
Other

Total:

\$1252⁰⁰

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 22644

Test Ticket

Well Name & No. Bek. Tombre Unit #1-13 Test No. #2 Date 1/26/05
 Company Martin Drilling Co Inc. Zone Tested D
 Address 250 N. Water, Suite 300 Wichita Ks Elevation 2620 KB 2615 GL
 Co. Rep / Geo. Tim Pierce Cont. Martin #3 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 13 Twp. 35 Rge. 27w Co. Decatur State Ks
 No. of Copies 1000 Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3606 3641 Initial Str Wt./Lbs. 75,000 Unseated Str Wt./Lbs. 75,000
 Anchor Length _____ 35 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 119,000
 Top Packer Depth _____ 3601 Tool Weight 1500
 Bottom Packer Depth _____ 3606 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth _____ 3641 Wt. Pipe Run _____ Drill Collar Run 520'
 Mud Wt. 8.9 LCM 1/2 Vis. 55 WL 6.0 Drill Pipe Size 4 1/2 X 14 Ft. Run 3086
 Blow Description 1/2" in @ open, died on 14 min.
No return

Weak blow died on 4 min
No return

Recovery - Total Feet 5' GIP _____ Ft. in DC _____ Ft. in DP _____
 Rec. 1' Feet of Free Oil %gas 100 %oil _____ %water _____ %mud _____
 Rec. 4' Feet of HOCM %gas 35 %oil _____ %water 65 %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 103° °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides 2400 ppm Recovery 2400 Chlorides 2400 ppm System

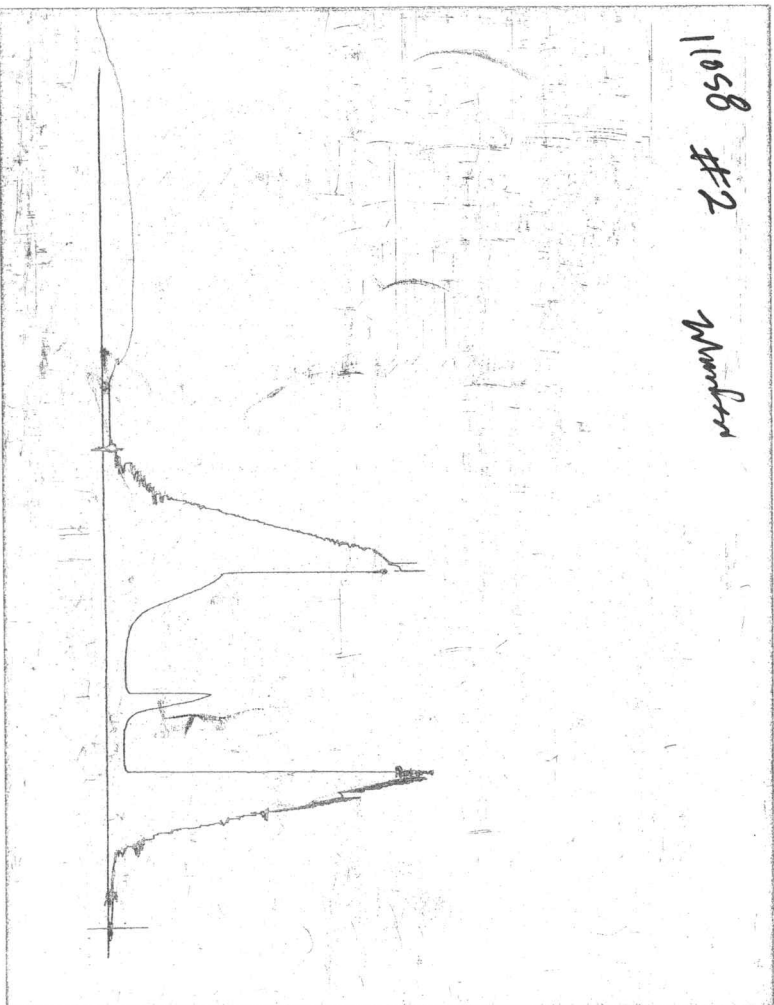
(A) Initial Hydrostatic Mud	AK-1	Alpine	Recorder No.	Test x
(B) First Initial Flow Pressure	1750	PSI	6667	\$1000.00
(C) First Final Flow Pressure	17	PSI	3607	Jars
(D) Initial Shut-In Pressure	23	PSI	11058	Safety Jt.
(E) Second Initial Flow Pressure	609	PSI	3636	Circ Sub x <u>N/C</u>
(F) Second Final Flow Pressure	25	PSI		Sampler
(G) Final Shut-In Pressure	31	PSI		Straddle
(Q) Final Hydrostatic Mud	672	PSI	Initial Opening	Ext. Packer
	1626	PSI	30	Shale Packer
			Final Flow	Ruined Packer
			30	Mileage x <u>34 mi</u> <u>\$134.00</u>
			Final Shut-In	Sub Total: <u>\$1034.00</u>
			60	Std. By
			T-On Location	Other
			05:50 A.M.	Total: <u>\$1034.00</u>
			T-Started	
			06:30 A.M.	
			T-Open	
			08:20 A.M.	
			T-Pulled	
			10:50 A.M.	
			T-Out	
			12:35 p.m.	

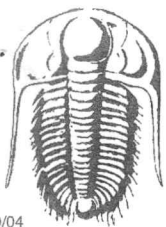
Approved By Tim Pierce
 Our Representative [Signature]

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CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 22645

Test Ticket

Well Name & No. Bekitombre Unit #1-13 Test No. #3 Date 1-26-64
Company Muskin Drilling Co Inc. Zone Tested G
Address 250 N Water Suite 300 Wichita KS Elevation 2620 KB 2615 GL
Co. Rep / Geo. Tom Pierce Cont. Muskin #3 Est. Ft. of Pay _____ Por. _____ %
Location: Sec. 13 Twp. 35 Rge. 28 W Co. Decatur State KS
No. of Copies 1 Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3639' 3640' Initial Str Wt./Lbs. 78,000 Unseated Str Wt/Lbs. 78,000
Anchor Length _____ 21' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 110,000
Top Packer Depth _____ 3634' Tool Weight 1500
Bottom Packer Depth _____ 3639' Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
Total Depth _____ 3640' Wt. Pipe Run _____ Drill Collar Run 520'
Mud Wt. 8.9 LCM 1/2 Vis. SS WL 4.0 Drill Pipe Size 4 1/2 x 11 Ft. Run 3119'
Blow Description Weak blow died in 5 min
No return
No blow
No return

Recovery - Total Feet 5 GIP _____ Ft. in DC 5 Ft. in DP _____
Rec. 5 Feet of mud %gas _____ %oil _____ %water 100 %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 100° °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides 2400 ppm Recovery 2400 Chlorides 2400 ppm System

	AK-1	Alpine			
(A) Initial Hydrostatic Mud	<u>1756</u>	PSI	Recorder No.	<u>6467</u>	Test & \$ <u>1000.00</u>
(B) First Initial Flow Pressure	<u>17</u>	PSI	(depth)	<u>3640'</u>	Jars _____
(C) First Final Flow Pressure	<u>19</u>	PSI	Recorder No.	<u>11058</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>932</u>	PSI	(depth)	<u>3655</u>	Circ Sub <u>x n/c</u>
(E) Second Initial Flow Pressure	<u>21</u>	PSI	Recorder No.		Sampler _____
(F) Second Final Flow Pressure	<u>22</u>	PSI	(depth)		Straddle _____
(G) Final Shut-In Pressure	<u>953</u>	PSI	Initial Opening	<u>15</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1432</u>	PSI	Initial Shut-In	<u>30</u>	Shale Packer _____

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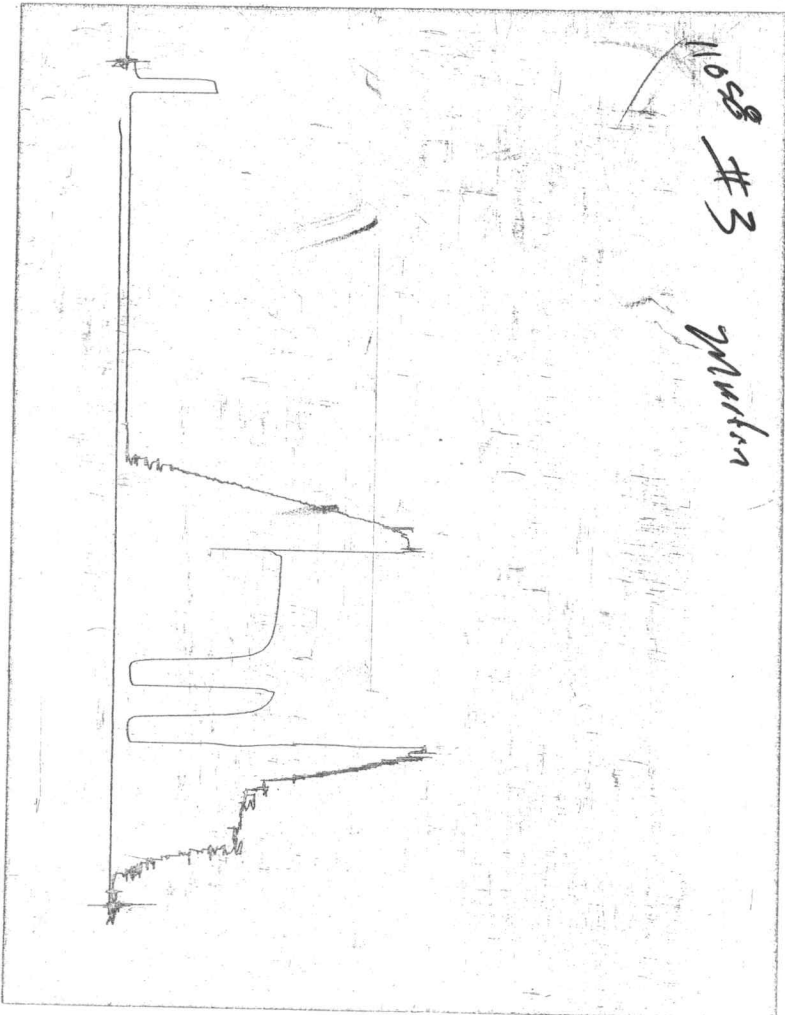
Approved By Tom Pierce

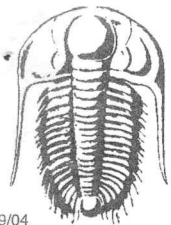
Our Representative [Signature]

Final Flow 15
Final Shut-In 90
T-On Location 18:00 p.m.
T-Started 18:40 p.m.
T-Open 20:00 p.m.
T-Pulled 22:30 p.m.
T-Out 00:10 A.M.
Std. By _____
Other _____
Total: \$1034.00

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 22646

Test Ticket

Well Name & No. Bekitombie Unit #1-13 Test No. #4 Date 1-27-06
 Company Martin Drilling Co Inc. Zone Tested H-J-K-L
 Address 250 N. Water Suite 300 Wichita Ks Elevation 2620 KB 2615 GL
 Co. Rep / Geo. Tim Pierce Cont. Martin #3 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 13 Twp. 35 Rge. 27W Co. Decatur State Ks
 No. of Copies Normal Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3662 3769 Initial Str Wt./Lbs. 78000 Unseated Str Wt/Lbs. 84000
 Anchor Length _____ 107 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 110,000
 Top Packer Depth _____ 3657 Tool Weight 1500
 Bottom Packer Depth _____ 3662 Hole Size 7 7/8" ☒ Rubber Size 6 3/4" ☒
 Total Depth _____ 3769 Wt. Pipe Run _____ Drill Collar Run 520'
 Mud Wt. 8.9 LCM 1/2 Vis. 56 WL 6.0 Drill Pipe Size 4 1/2 X H Ft. Run 3147'
 Flow Description B.O.B. in 8 min
No return
B.O.B. in 10 min.
No return

Recovery - Total Feet 1054 GIP _____ Ft. in DC 520' Ft. in DP 534'
 @C. 10' Feet of Free oil %gas 100% %oil _____ %water _____ %mud _____
 @C. 180' Feet of MCW Trace of oil %gas 50% %oil 75 %water 25 %mud _____
 @C. 864' Feet of Water %gas _____ %oil 100 %water _____ %mud _____
 @C. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 @C. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 @C. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 HT 113° °F Gravity 30 °API D @ 50° °F Corrected Gravity 31 °API
 N 12° @ 52° °F Chlorides 90000 ppm Recovery 90000 Chlorides 2800 ppm System

Initial Hydrostatic Mud	AK-1	Alpine	Recorder No.	6667	Test x	1000°
First Initial Flow Pressure	1746 PSI		(depth)	3663	Jars	
First Final Flow Pressure	70 PSI		Recorder No.	11058	Safety Jt.	
Initial Shut-In Pressure	312 PSI		(depth)	3764	Circ Sub x	N/C
Second Initial Flow Pressure	1113 PSI		Recorder No.		Sampler	
Second Final Flow Pressure	318 PSI		(depth)		Straddle	
Final Shut-In Pressure	529 PSI		Initial Opening	30	Ext. Packer	
Final Hydrostatic Mud	1083 PSI		Initial Shut-In	60	Shale Packer	
	1473 PSI		Final Flow	60	Ruined Packer	
			Final Shut-In	90	Mileage	342T \$34.00
			T-On Location	13:15 p.m.	Sub Total:	1034.00
			T-Started	13:40 p.m.	Std. By	
			T-Open	15:10 p.m.	Other	
			T-Pulled	19:10 p.m.	Total:	\$1034.00
			T-Out	21:15		

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Approved By Tim Pierce

Client Representative [Signature]

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

