

CONFIDENTIAL

ORIGINAL

15-039-20935

KCC

MAR 22 2005

CONFIDENTIAL



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Company Inc.**

250 N. Water, Suite 300
Wichita, Ks 67202

ATTN: Dan Blunkenau

17-5s-29w Decatur

Brantly #1

Start Date: 2005.01.25 @ 07:55:45

End Date: 2005.01.25 @ 17:50:04

Job Ticket #: 20461 DST #: 1

**RECEIVED
MAR 24 2005
KCC WICHITA**

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Murfin Drilling Company Inc.

Brantly #1

17-5s-29w Decatur

DST # 1

Toronto, LKC A&B

2005.01.25



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Murfin Drilling Company Inc.

250 N. Water, Suite 300
Wichita, Ks 67202

ATTN: Dan Blunkenau

Brantly #1

17-5s-29w Decatur

Job Ticket: 20461

DST#: 1

Test Start: 2005.01.25 @ 07:55:45

GENERAL INFORMATION:

Formation: **Toronto, LKC A&B**

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

Time Tool Opened: 10:29:05

Time Test Ended: 17:50:04

Test Type: **Conventional Bottom Hole**

Tester: **Brandon Turley**

Unit No: **18**

Interval: **3828.00 ft (KB) To 3912.00 ft (KB) (TVD)**

Total Depth: **3912.00 ft (KB) (TVD)**

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

Reference Elevations: **2797.00 ft (KB)**

2792.00 ft (CF)

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

Serial #: 6772

Inside

Press@RunDepth: **560.68 psig @ 3913.00 ft (KB)**

Start Date: **2005.01.25**

End Date: **2005.01.25**

Start Time: **07:55:45**

End Time: **17:50:04**

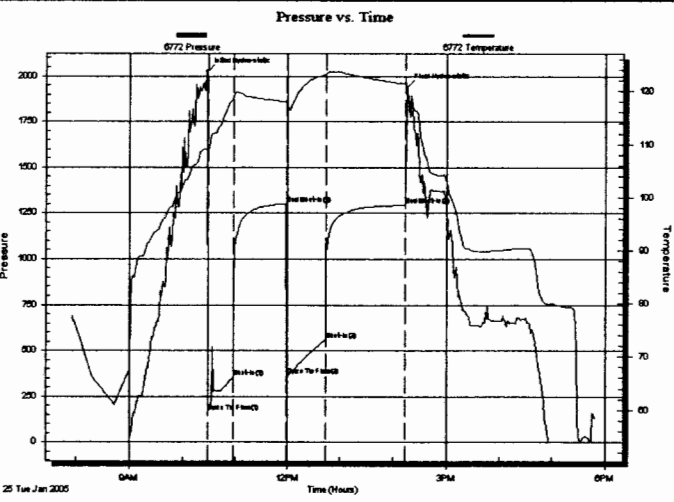
Capacity: **7000.00 psig**

Last Calib.: **1899.12.30**

Time On Btrt: **2005.01.25 @ 10:27:20**

Time Off Btrt: **2005.01.25 @ 14:15:05**

TEST COMMENT: F: 1/4 blow BOB in 4 min.
IS: Surface blow BOB in 33 min.
FF: 1/4 blow BOB in 5 min. Weak gas in surface in 25 min.
FS: Surface blow BOB in 17 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2024.95	109.21	Initial Hydro-static
2	163.74	108.88	Open To Flow (1)
31	352.80	118.76	Shut-In(1)
92	1300.62	117.97	End Shut-In(1)
93	366.36	117.38	Open To Flow (2)
137	560.68	123.16	Shut-In(2)
227	1293.44	121.46	End Shut-In(2)
228	1941.38	118.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1419.00	gco 15%g 85%o	15.71

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Company Inc.

Brantly #1

250 N. Water, Suite 300
Wichita, Ks 67202

17-5s-29w Decatur

Job Ticket: 20461

DST#: 1

ATTN: Dan Blunkenau

Test Start: 2005.01.25 @ 07:55:45

Tool Information

Drill Pipe:	Length: 3448.00 ft	Diameter: 3.80 inches	Volume: 48.37 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: 460.00 ft	Diameter: 2.25 inches	Volume: 2.26 bbl	Weight to Pull Loose: 77000.00 lb
		Total Volume:	50.63 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3912.00 ft			Final 57000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	84.00 ft			
Tool Length:	112.00 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			3885.00	
Shut In Tool	5.00			3890.00	
Hydraulic tool	5.00			3895.00	
Jars	5.00			3900.00	
Safety Joint	3.00			3903.00	
Packer	5.00		Fluid	3908.00	28.00 Bottom Of Top Packer
Packer	4.00			3912.00	
Stubb	1.00			3913.00	
Recorder	0.00	6772	Inside	3913.00	
Perforations	15.00			3928.00	
Change Over Sub	1.00			3929.00	
Drill Pipe	61.00			3990.00	
Change Over Sub	1.00			3991.00	
Recorder	0.00	10248	Inside	3991.00	
Bullnose	5.00			3996.00	84.00 Bottom Packers & Anchor

Total Tool Length: 112.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company Inc.

Brantly #1

250 N. Water, Suite 300
Wichita, Ks 67202

17-5s-29w Decatur

Job Ticket: 20461

DST#: 1

ATTN: Dan Blunkenau

Test Start: 2005.01.25 @ 07:55:45

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

28 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.16 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
1419.00	gco 15%g 85%o	15.714

Total Length: 1419.00 ft

Total Volume: 15.714 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

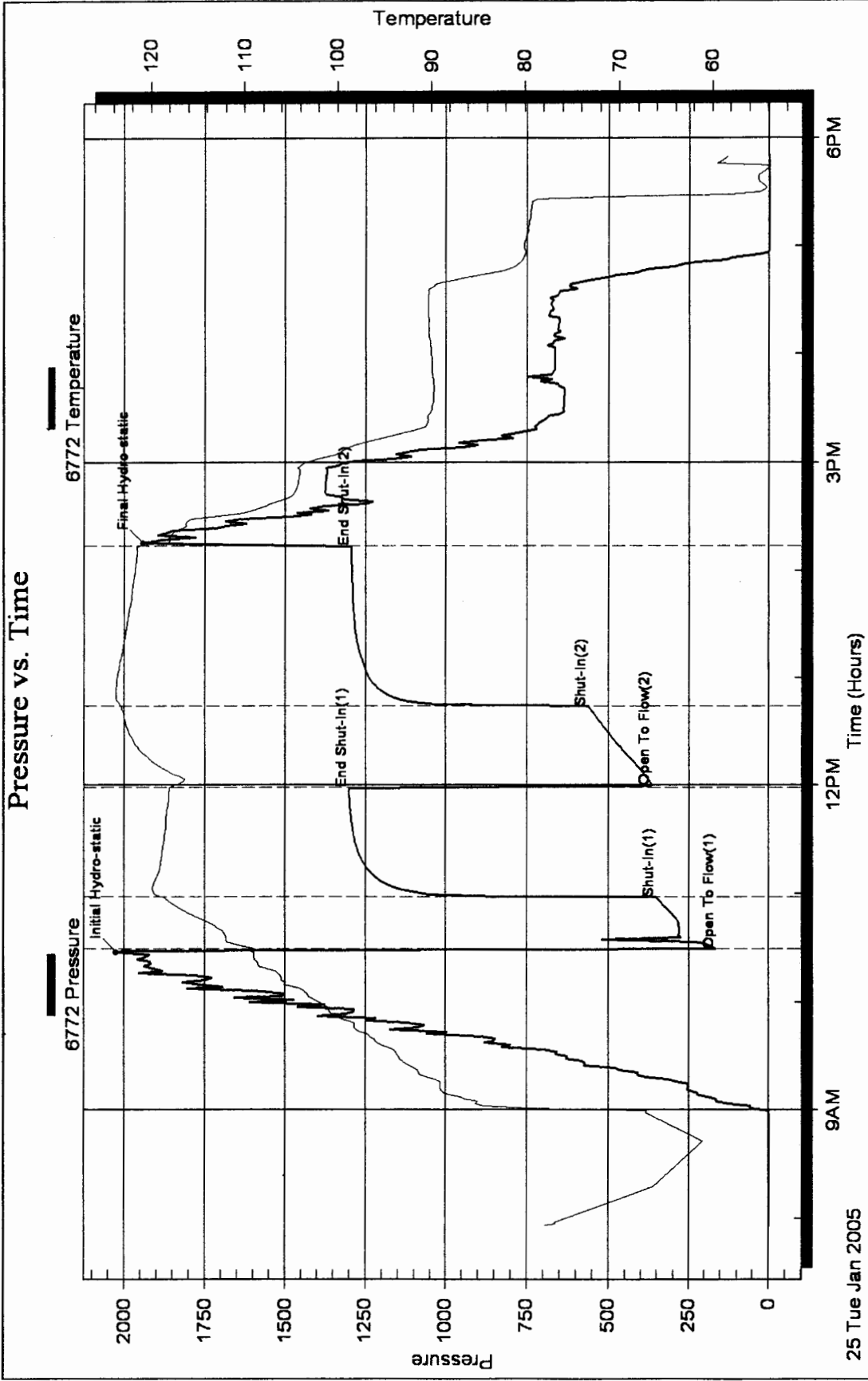
Serial #: 6772

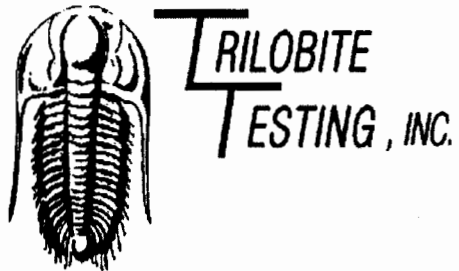
Inside

Murfin Drilling Company Inc.

17-5s-29w Decatur

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Company Inc.**

250 N. Water, Suite 300
Wichita, Ks 67202

ATTN: Dan Blunkenau

17-5s-29w Decatur

Brantly #1

Start Date: 2005.01.26 @ 01:18:55

End Date: 2005.01.26 @ 10:08:10

Job Ticket #: 20462 DST #: 2

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

Murfin Drilling Company Inc.

Brantly #1

17-5s-29w Decatur

DST # 2

LKC C & D

2005.01.26



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Company Inc.

250 N. Water, Suite 300
Wichita, Ks 67202

ATTN: Dan Blunkenau

Brantly #1

17-5s-29w Decatur

Job Ticket: 20462

DST#: 2

Test Start: 2005.01.26 @ 01:18:55

GENERAL INFORMATION:

Formation: LKC C & D

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:25:40

Time Test Ended: 10:08:10

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 18

Interval: 3914.00 ft (KB) To 3940.00 ft (KB) (TVD)

Reference Elevations: 2797.00 ft (KB)

Total Depth: 3940.00 ft (KB) (TVD)

2792.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6772

Inside

Press@RunDepth: 275.19 psig @ 3941.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2005.01.26

End Date:

2005.01.26

Last Calib.: 1899.12.30

Start Time: 01:19:05

End Time:

10:08:09

Time On Btrt 2005.01.26 @ 03:23:55

Time Off Btrt 2005.01.26 @ 07:12:25

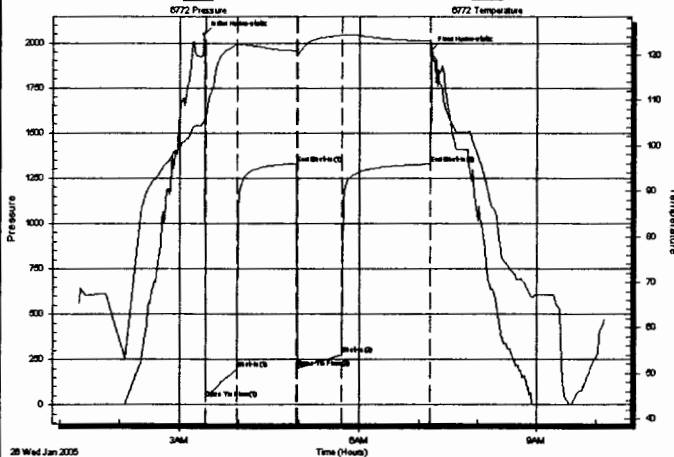
TEST COMMENT: F: 1/4 blow BOB in 10 min.

IS: Surface blow built to 3 1/2 in 60 min.

FF: 1/4 blow BOB in 17 min.

FS: Surface blow BOB in 85 min.

Pressure vs. Time



PRESSURE SUMMARY

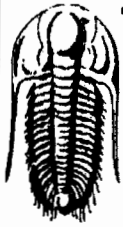
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2046.10	105.12	Initial Hydro-static
2	33.67	105.83	Open To Flow (1)
34	195.59	122.36	Shut-In(1)
94	1331.14	120.91	End Shut-In(1)
95	203.84	120.46	Open To Flow (2)
139	275.19	124.37	Shut-In(2)
228	1327.39	123.15	End Shut-In(2)
229	1961.41	121.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
318.00	mcw 90% w 10% m	1.56
62.00	ow cm 2%o 48%w 50% m	0.30
297.00	gco 10%g 90%o	3.44

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Company Inc.

Brantly #1

250 N. Water, Suite 300
Wichita, Ks 67202

17-5s-29w Decatur

Job Ticket: 20462

DST#: 2

ATTN: Dan Blunkenau

Test Start: 2005.01.26 @ 01:18:55

Tool Information

Drill Pipe:	Length: 3482.00 ft	Diameter: 3.80 inches	Volume: 48.84 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: 460.00 ft	Diameter: 2.25 inches	Volume: 2.26 bbl	Weight to Pull Loose: 74000.00 lb
			<u>Total Volume: 51.10 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3940.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	54.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3913.00	
Shut In Tool	5.00			3918.00	
Hydraulic tool	5.00			3923.00	
Jars	5.00			3928.00	
Safety Joint	3.00			3931.00	
Packer	5.00		Fluid	3936.00	28.00 Bottom Of Top Packer
Packer	4.00			3940.00	
Stubb	1.00			3941.00	
Recorder	0.00	6772	Inside	3941.00	
Perforations	20.00			3961.00	
Recorder	0.00	10248	Inside	3961.00	
Bullnose	5.00			3966.00	26.00 Bottom Packers & Anchor

Total Tool Length: 54.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company Inc.

Brantly #1

250 N. Water, Suite 300
Wichita, Ks 67202

17-5s-29w Decatur

Job Ticket: 20462

DST#: 2

ATTN: Dan Blunkenau

Test Start: 2005.01.26 @ 01:18:55

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

29 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

13000 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.18 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
318.00	mcw 90% w 10% m	1.564
62.00	ow cm 2%o 48%w 50%m	0.305
297.00	gco 10%g 90%o	3.437

Total Length: 677.00 ft

Total Volume: 5.306 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

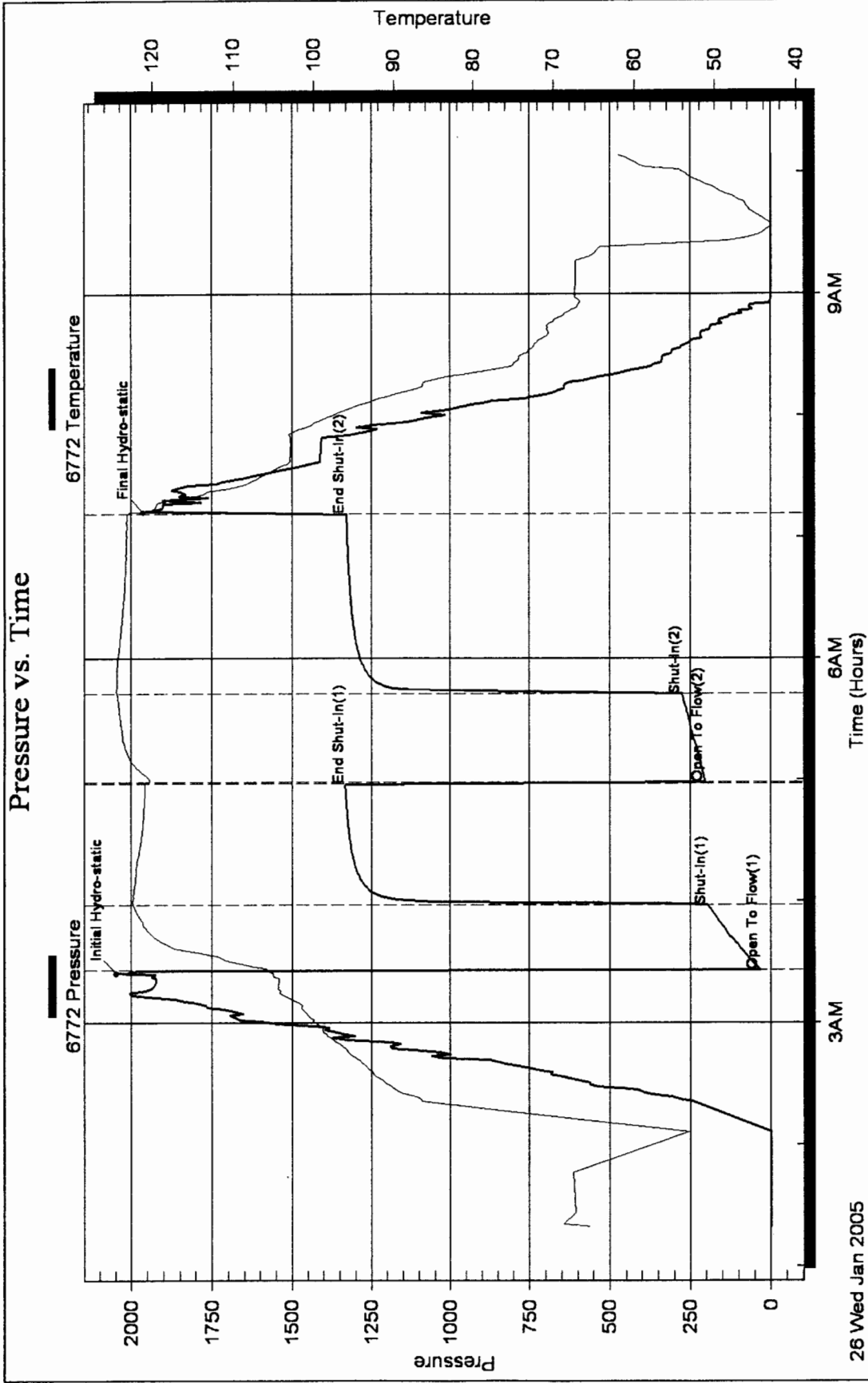
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Company Inc.**

250 N. Water, Suite 300
Wichita, Ks 67202

ATTN: Dan Blunkenau

17-5s-29w Decatur

Brantly #1

Start Date: 2005.01.26 @ 18:21:14

End Date: 2005.01.27 @ 00:32:49

Job Ticket #: 20463 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Murfin Drilling Company Inc.

Brantly #1

17-5s-29w Decatur

DST # 3

LKC-G

2005.01.26



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Company Inc.

Brantly #1

250 N. Water, Suite 300
Wichita, Ks 67202

17-5s-29w Decatur

Job Ticket: 20463

DST#: 3

ATTN: Dan Blunkenau

Test Start: 2005.01.26 @ 18:21:14

GENERAL INFORMATION:

Formation: **LKC- G**

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

Time Tool Opened: 20:06:19

Time Test Ended: 00:32:49

Test Type: **Conventional Bottom Hble**

Tester: **Brandon Turley**

Unit No: **18**

Interval: **3941.00 ft (KB) To 3970.00 ft (KB) (TVD)**

Reference Elevations: **2797.00 ft (KB)**

Total Depth: **3912.00 ft (KB) (TVD)**

2792.00 ft (CF)

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

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

Serial #: 6772

Inside

Press@RunDepth: **132.38 psig @ 3971.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2005.01.26**

End Date:

2005.01.27

Last Calib.: **1899.12.30**

Start Time: **18:21:14**

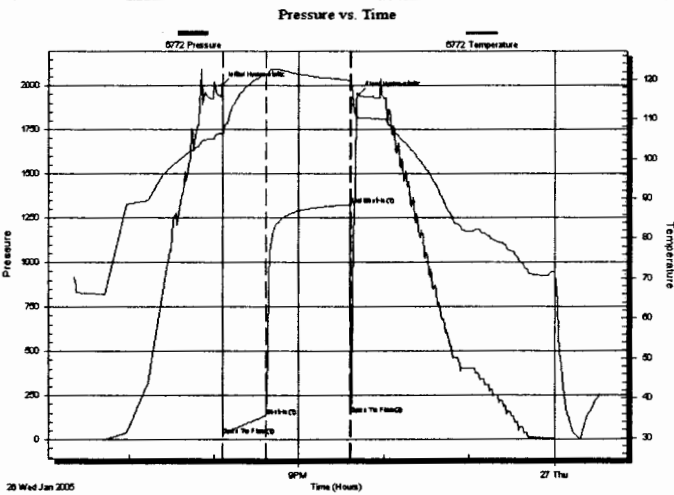
End Time:

00:32:49

Time On Btrn: **2005.01.26 @ 20:05:34**

Time Off Btrn: **2005.01.26 @ 21:41:49**

TEST COMMENT: IF: 1/4 blow BOB in 12 min.
IS: Surface blow built to 7 1/2 in 60 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2001.23	106.38	Initial Hydro-static
1	23.68	105.55	Open To Flow (1)
31	132.38	121.26	Shut-in(1)
90	1323.77	119.78	End Shut-in(1)
92	141.90	118.92	Open To Flow (2)
97	1946.98	110.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
477.00	mud 100%m	2.50
63.00	ocm 10%o 90%m	0.88
126.00	ocm 30%o 70%m	1.77
134.00	oil 100%o	1.88

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Company Inc.

Brantly #1

250 N. Water, Suite 300
Wichita, Ks 67202

17-5s-29w Decatur

Job Ticket: 20463

DST#: 3

ATTN: Dan Blunkenau

Test Start: 2005.01.26 @ 18:21:14

Tool Information

Drill Pipe:	Length: 3513.00 ft	Diameter: 3.80 inches	Volume: 49.28 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: 460.00 ft	Diameter: 2.25 inches	Volume: 2.26 bbl	Weight to Pull Loose: 77000.00 lb
			<u>Total Volume: 51.54 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	3970.00 ft			Final 57000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	29.00 ft			
Tool Length:	57.00 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			3943.00	
Shut In Tool	5.00			3948.00	
Hydraulic tool	5.00			3953.00	
Jars	5.00			3958.00	
Safety Joint	3.00			3961.00	
Packer	5.00		Fluid	3966.00	28.00 Bottom Of Top Packer
Packer	4.00			3970.00	
Stubb	1.00			3971.00	
Recorder	0.00	6772	Inside	3971.00	
Perforations	23.00			3994.00	
Recorder	0.00	10248	Inside	3994.00	
Bullnose	5.00			3999.00	29.00 Bottom Packers & Anchor
Total Tool Length:	57.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company Inc.

Brantly #1

250 N. Water, Suite 300
Wichita, Ks 67202

17-5s-29w Decatur

Job Ticket: 20463

DST#: 3

ATTN: Dan Blunkenau

Test Start: 2005.01.26 @ 18:21:14

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.15 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 bbf
477.00	mud 100%m	2.501
63.00	ocm 10%o 90%m	0.884
126.00	ocm 30%o 70%m	1.767
134.00	oil 100%o	1.880

Total Length: 800.00 ft Total Volume: 7.032 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6772

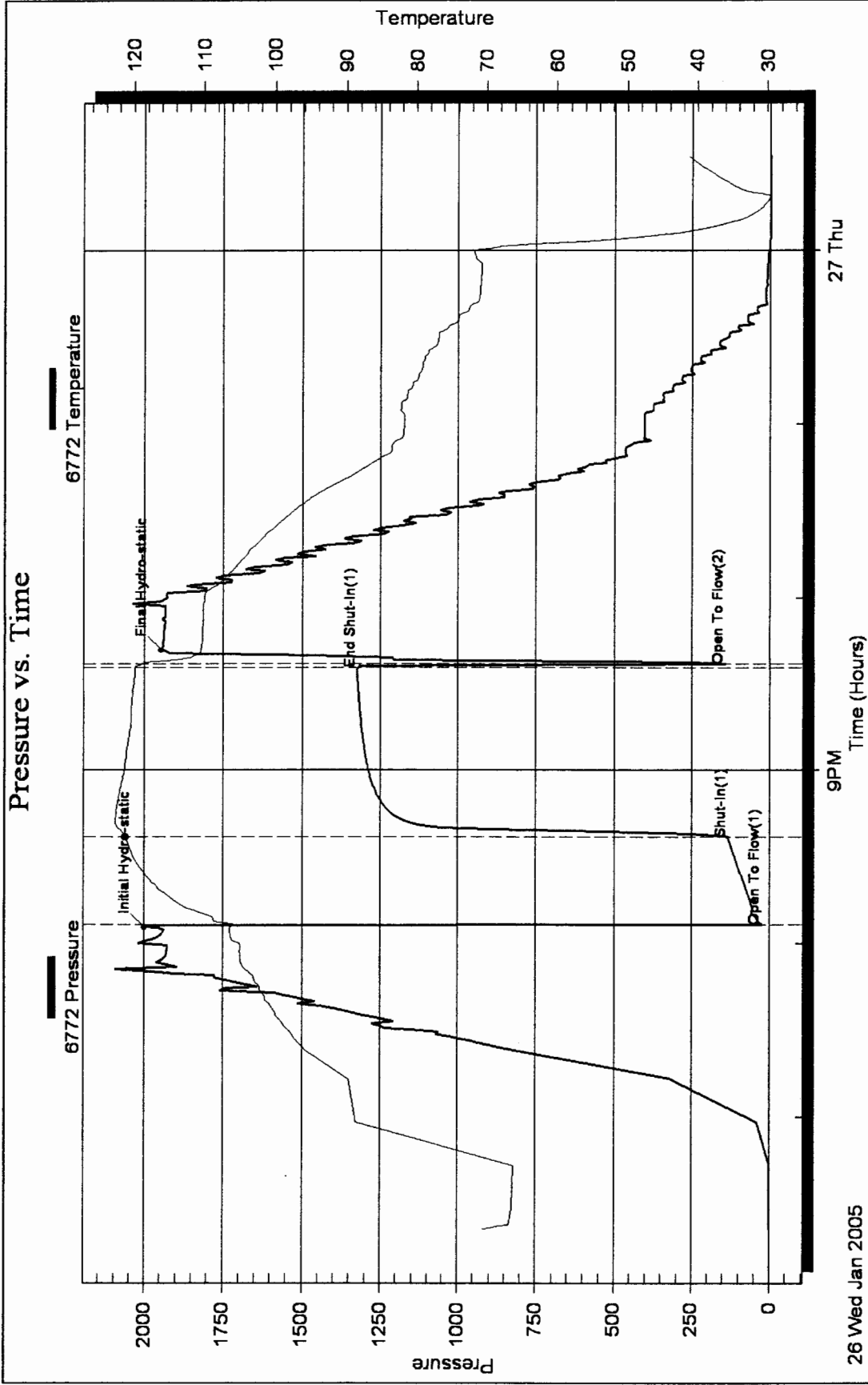
Inside

Murfin Drilling Company Inc.

17-5s-29w Decatur

DST Test Number: 3

Pressure vs. Time

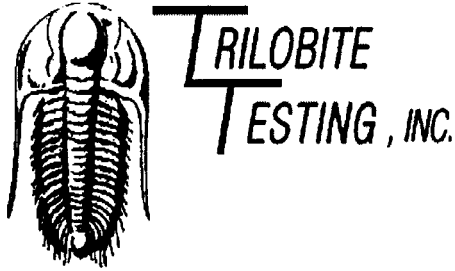


26 Wed Jan 2005

9PM

Time (Hours)

27 Thu



DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Company Inc.**

250 N. Water, Suite 300
Wichita, Ks 67202

ATTN: Dan Blunkenau

17-5s-29w Decatur

Brantly #1

Start Date: 2005.01.27 @ 13:51:26

End Date: 2005.01.27 @ 21:59:41

Job Ticket #: 20464 DST #: 4

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

Murfin Drilling Company Inc.

Brantly #1

17-5s-29w Decatur

DST # 4

LKC-H I J K

2005.01.27



**TRIBOLITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Company Inc.

Brantly #1

250 N. Water, Suite 300
Wichita, Ks 67202

17-5s-29w Decatur

Job Ticket: 20464

DST#: 4

ATTN: Dan Blunkenau

Test Start: 2005.01.27 @ 13:51:26

GENERAL INFORMATION:

Formation: **LKC- HIJK**

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

Time Tool Opened: 15:37:56

Time Test Ended: 21:59:41

Test Type: **Conventional Bottom Hole**

Tester: **Brandon Turley**

Unit No: **18**

Interval: **3966.00 ft (KB) To 4058.00 ft (KB) (TVD)**

Reference Elevations: **2797.00 ft (KB)**

Total Depth: **4058.00 ft (KB) (TVD)**

2792.00 ft (CF)

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

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

Serial #: 6772 Inside

Press@RunDepth: **193.56 psig @ 4059.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2005.01.27**

End Date: **2005.01.27**

Last Calib.: **1899.12.30**

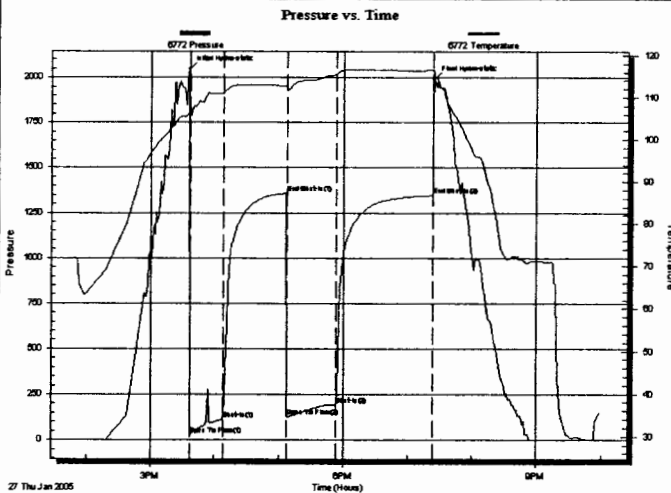
Start Time: **13:51:36**

End Time: **21:59:41**

Time On Btm: **2005.01.27 @ 15:36:41**

Time Off Btm: **2005.01.27 @ 19:24:11**

TEST COMMENT: IF: 1/4 blow BOB in 21 min.
IS: Surface blow built to 1 1/2 in 60 min.
FF: 1/4 blow BOB in 18 min.
FS: Surface blow built to 3 1/2 in 90 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2043.79	106.29	Initial Hydro-static
2	28.61	106.00	Open To Flow (1)
32	114.76	110.87	Shut-In(1)
91	1358.32	112.82	End Shut-In(1)
91	127.09	112.21	Open To Flow (2)
137	193.56	115.45	Shut-In(2)
227	1346.77	116.48	End Shut-In(2)
228	1992.27	115.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
194.00	ocm 30%o 70%m	0.95
93.00	ocm 50%o 50%m	0.46
193.00	gco 10%g 90%o	1.13

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Company Inc.

Brantly #1

250 N. Water, Suite 300
Wichita, Ks 67202

17-5s-29w Decatur

Job Ticket: 20464

DST#: 4

ATTN: Dan Blunkenau

Test Start: 2005.01.27 @ 13:51:26

Tool Information

Drill Pipe:	Length: 3577.00 ft	Diameter: 3.80 inches	Volume: 50.18 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: 460.00 ft	Diameter: 2.25 inches	Volume: 2.26 bbl	Weight to Pull Loose: 76000.00 lb
			<u>Total Volume: 52.44 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	4058.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	92.00 ft			
Tool Length:	120.00 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			4031.00	
Shut In Tool	5.00			4036.00	
Hydraulic tool	5.00			4041.00	
Jars	5.00			4046.00	
Safety Joint	3.00			4049.00	
Packer	5.00		Fluid	4054.00	28.00 Bottom Of Top Packer
Packer	4.00			4058.00	
Stubb	1.00			4059.00	
Recorder	0.00	6772	Inside	4059.00	
Perforations	23.00			4082.00	
Change Over Sub	1.00			4083.00	
Drill Pipe	61.00			4144.00	
Change Over Sub	1.00			4145.00	
Recorder	0.00	10248	Inside	4145.00	
Bullnose	5.00			4150.00	92.00 Bottom Packers & Anchor

Total Tool Length: 120.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company Inc.

Brantly #1

250 N. Water, Suite 300
Wichita, Ks 67202

17-5s-29w Decatur

Job Ticket: 20464

DST#: 4

ATTN: Dan Blunkenau

Test Start: 2005.01.27 @ 13:51:26

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:

0 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.98 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
194.00	ocm 30%o 70%m	0.954
93.00	ocm 50%o 50%m	0.457
193.00	gco 10%g 90%o	1.131

Total Length: 480.00 ft

Total Volume: 2.542 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

