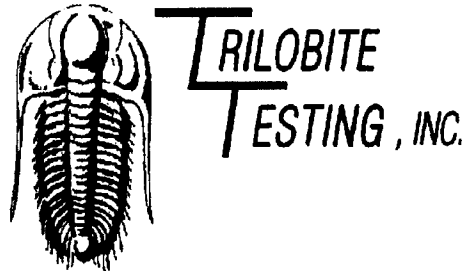


15-039-21037

19-5s-29w

IND



DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co Inc**

250 N Water Ste 300
Wichita KS 67202

CONFIDENTIAL

APR 28 2008

KCC

ATTN: Rocky Milford

19 5 29 Decatur KS

Green O'Brien #4-19

Start Date: 2007.12.31 @ 18:52:48

End Date: 2008.01.01 @ 05:04:18

Job Ticket #: 31463 DST #: 1

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

RECEIVED
KANSAS CORPORATION COMMISSION

APR 28 2008

CONSERVATION DIVISION
WICHITA, KS

Murfin Drilling Co Inc

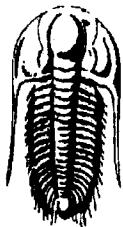
Green O'Brien #4-19

19 5 29 Decatur KS

DST # 1

Leavenworth- Lans. "

2007.12.31



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Co Inc

250 N Water Ste 300
Wichita KS 67202

ATTN: Rocky Milford

Green O'Brien #4-19

19 5 29 Decatur KS

Job Ticket: 31463

DST#: 1

Test Start: 2007.12.31 @ 18:52:48

GENERAL INFORMATION:

Formation: **Leavenworth- Lans. "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:22:48

Time Test Ended: 05:04:18

Interval: **3843.00 ft (KB) To 3924.00 ft (KB) (TVD)**

Total Depth: 3924.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole

Tester: James Winder

Unit No: 20

Reference Elevations: 2833.00 ft (KB)

2828.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8366 Inside

Press@RunDepth: 193.11 psig @ 3844.00 ft (KB)

Start Date: 2007.12.31

End Date:

2008.01.01

Start Time: 18:52:53

End Time:

05:04:18

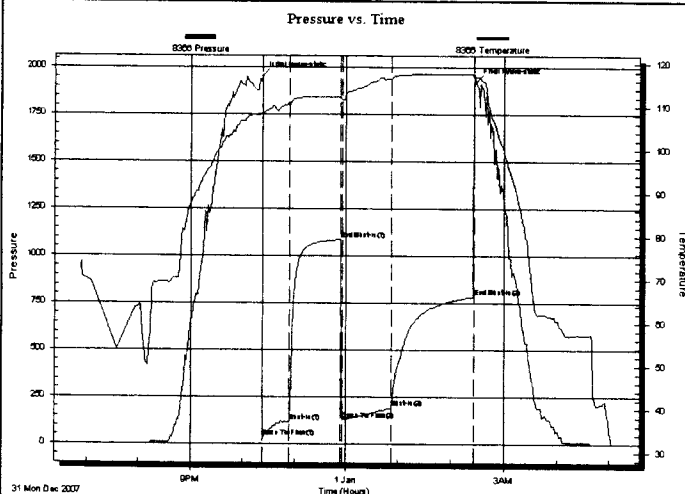
Capacity: 7000.00 psig

Last Calib.: 2008.01.01

Time On Btm: 2007.12.31 @ 22:22:18

Time Off Btm: 2008.01.01 @ 02:28:18

TEST COMMENT: IF Strong blow BOB in 22 min.
ISI Bled off Weak blow back built to 1.5 " in bucket
FF Strong blow BOB in 14 min.
FSI Bled off Fair blow back built to 8.25 " in bucket



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1953.22	108.51	Initial Hydro-static
1	34.82	108.10	Open To Flow (1)
32	117.69	110.06	Shut-In (1)
91	1088.77	112.21	End Shut-In (1)
93	128.68	111.62	Open To Flow (2)
151	193.11	116.35	Shut-In (2)
244	785.38	117.45	End Shut-In (2)
246	1923.59	116.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
248.00	GOCM 65%M 20%O 15%G	1.84
184.00	Clean GO 76%O 24%G	2.58
0.00	198' GIP	0.00
0.00	gravity 26.5 "corrected"	0.00

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co Inc

250 N Water Ste 300
Wichita KS 67202

ATTN: Rocky Milford

Green O'Brien #4-19

19 5 29 Decatur KS

Job Ticket: 31463

DST#: 1

Test Start: 2007.12.31 @ 18:52:48

Tool Information

Drill Pipe:	Length: 3640.00 ft	Diameter: 3.80 inches	Volume: 51.06 bbl	Tool Weight:	2600.00 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: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose:	52000.00 lb	
			Total Volume:	51.95 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial	48000.00 lb	
Depth to Top Packer:	3843.00 ft			Final	50000.00 lb	
Depth to Bottom Packer:	ft					
Interval between Packers:	81.00 ft					
Tool Length:	109.00 ft					
Number of Packers:	2	Diameter:	6.00 inches			
Tool Comments:						

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Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3820.00	
Hydraulic tool	5.00			3825.00	
Jars	5.00			3830.00	
Safety Joint	3.00			3833.00	
Packer	5.00			3838.00	28.00 Bottom Of Top Packer
Packer	5.00			3843.00	
Stubb	1.00			3844.00	
Recorder	0.00	8366	Inside	3844.00	
Recorder	0.00	6672	Inside	3844.00	
Perforations	12.00			3856.00	
Blank Spacing	65.00			3921.00	
Bullnose	3.00			3924.00	81.00 Bottom Packers & Anchor

Total Tool Length: 109.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co Inc

Green O'Brien #4-19

250 N Water Ste 300
Wichita KS 67202

19 5 29 Decatur KS

Job Ticket: 31463

DST#: 1

ATTN: Rocky Milford

Test Start: 2007.12.31 @ 18:52:48

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 59.00 sec/qt

Water Loss: 5.98 in³

Resistivity: ohm.m

Salinity: 800.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
248.00	GOCM 65%M 20%O 15%G	1.839
184.00	Clean GO 76%O 24%G	2.581
0.00	198' GIP	0.000
0.00	gravity 26.5 "corrected"	0.000

Total Length: 432.00 ft

Total Volume: 4.420 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

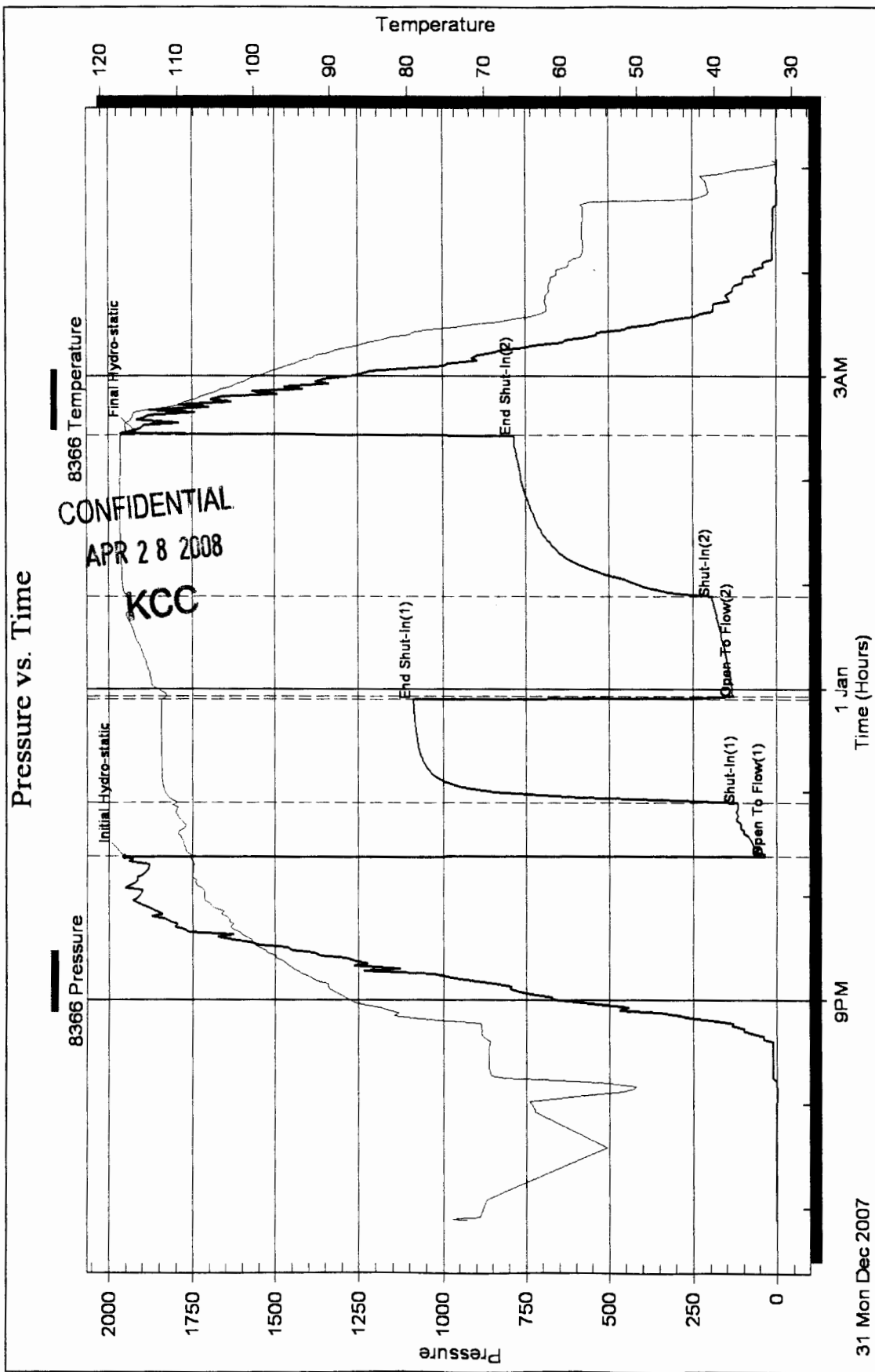
Serial #:

Laboratory Name:

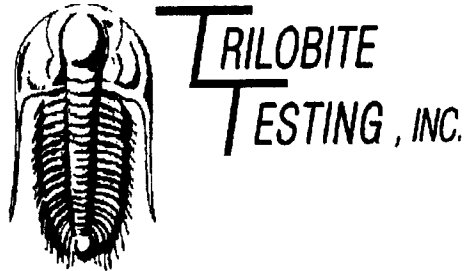
Laboratory Location:

Recovery Comments:

Pressure vs. Time



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APR 28 2008
KCC



DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co Inc**

250 N Water Ste 300
Wichita KS 67202

CONFIDENTIAL
APR 28 2008
KCC

ATTN: Rocky Milford

19 5 29 Decatur KS

Green O'Brien #4-19

Start Date: 2008.01.01 @ 11:51:18

End Date: 2008.01.01 @ 20:04:48

Job Ticket #: 31464 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 Inc

250 N Water Ste 300
Wichita KS 67202

ATTN: Rocky Milford

Green O'Brien #4-19

19 5 29 Decatur KS

Job Ticket: 31464

DST#: 2

Test Start: 2008.01.01 @ 11:51:18

GENERAL INFORMATION:

Formation: **Lans. "D"**

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

Time Tool Opened: 14:19:48

Time Test Ended: 20:04:48

Test Type: **Conventional Bottom Hole**

Tester: **James Winder**

Unit No: **20**

Interval: **3928.00 ft (KB) To 3940.00 ft (KB) (TVD)**

Total Depth: **3940.00 ft (KB) (TVD)**

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

Reference Elevations: **2833.00 ft (KB)**

2828.00 ft (CF)

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

Serial #: 8366

Inside

Press@RunDepth: **115.03 psig @ 3929.00 ft (KB)**

Start Date: **2008.01.01**

End Date:

2008.01.01

Capacity: **7000.00 psig**

Last Calib.: **2008.01.01**

Start Time: **11:51:23**

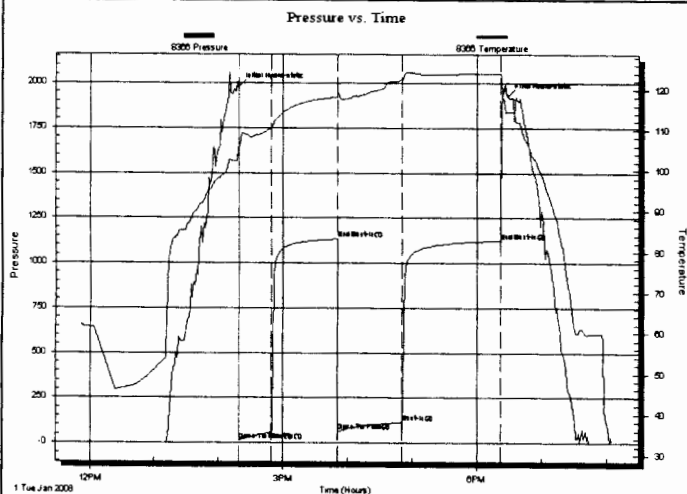
End Time:

20:04:47

Time On Btm: **2008.01.01 @ 14:19:18**

Time Off Btm: **2008.01.01 @ 18:28:48**

TEST COMMENT: IF Fair blow built to 6.25 " in bucket
ISI Bled off No blow back
FF Fair blow built to 8.5 " in bucket
FSI Bled off no blow back



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1978.70	106.08	Initial Hydro-static
1	13.58	105.36	Open To Flow (1)
30	59.69	110.62	Shut-In (1)
91	1132.25	118.10	End Shut-In (1)
91	63.24	118.72	Open To Flow (2)
151	115.03	122.43	Shut-In (2)
243	1124.56	123.98	End Shut-In (2)
250	1925.63	114.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	WCM w/trace of Oil 70%M 30%W	0.05
210.00	SMCW w/trace of Oil 95%W 5%M	1.40
0.00	RW= .249 OHMS@ 35.9 deg F	0.00
0.00	60,000 ppm chlorides	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co Inc

250 N Water Ste 300
Wichita KS 67202

ATTN: Rocky Milford

Green O'Brien #4-19

19 5 29 Decatur KS

Job Ticket: 31464

DST#: 2

Test Start: 2008.01.01 @ 11:51:18

Tool Information

Drill Pipe:	Length: 3736.00 ft	Diameter: 3.80 inches	Volume: 52.41 bbl	Tool Weight: 2100.00 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: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 65000.00 lb
		Total Volume:	53.30 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3928.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	12.00 ft			
Tool Length:	32.00 ft			
Number of Packers:	2	Diameter:	6.75 inches	
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3913.00	
Hydraulic tool	5.00			3918.00	
Packer	5.00			3923.00	20.00 Bottom Of Top Packer
Packer	5.00			3928.00	
Stubb	1.00			3929.00	
Recorder	0.00	8366	Inside	3929.00	
Recorder	0.00	6672	Inside	3929.00	
Perforations	8.00			3937.00	
Bullnose	3.00			3940.00	12.00 Bottom Packers & Anchor
Total Tool Length:	32.00				

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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co Inc

Green O'Brien #4-19

250 N Water Ste 300
Wichita KS 67202

19 5 29 Decatur KS

Job Ticket: 31464

DST#: 2

ATTN: Rocky Milford

Test Start: 2008.01.01 @ 11:51:18

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 62.00 sec/qt

Water Loss: 5.98 in³

Resistivity: ohm.m

Salinity: 900.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	WCM w/trace of Oil 70%M 30%W	0.049
210.00	SMCW w/trace of Oil 95%W 5%M	1.397
0.00	RW=.249 OHMS@ 35.9 deg F	0.000
0.00	60,000 ppm chlorides	0.000

Total Length: 220.00 ft

Total Volume: 1.446 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

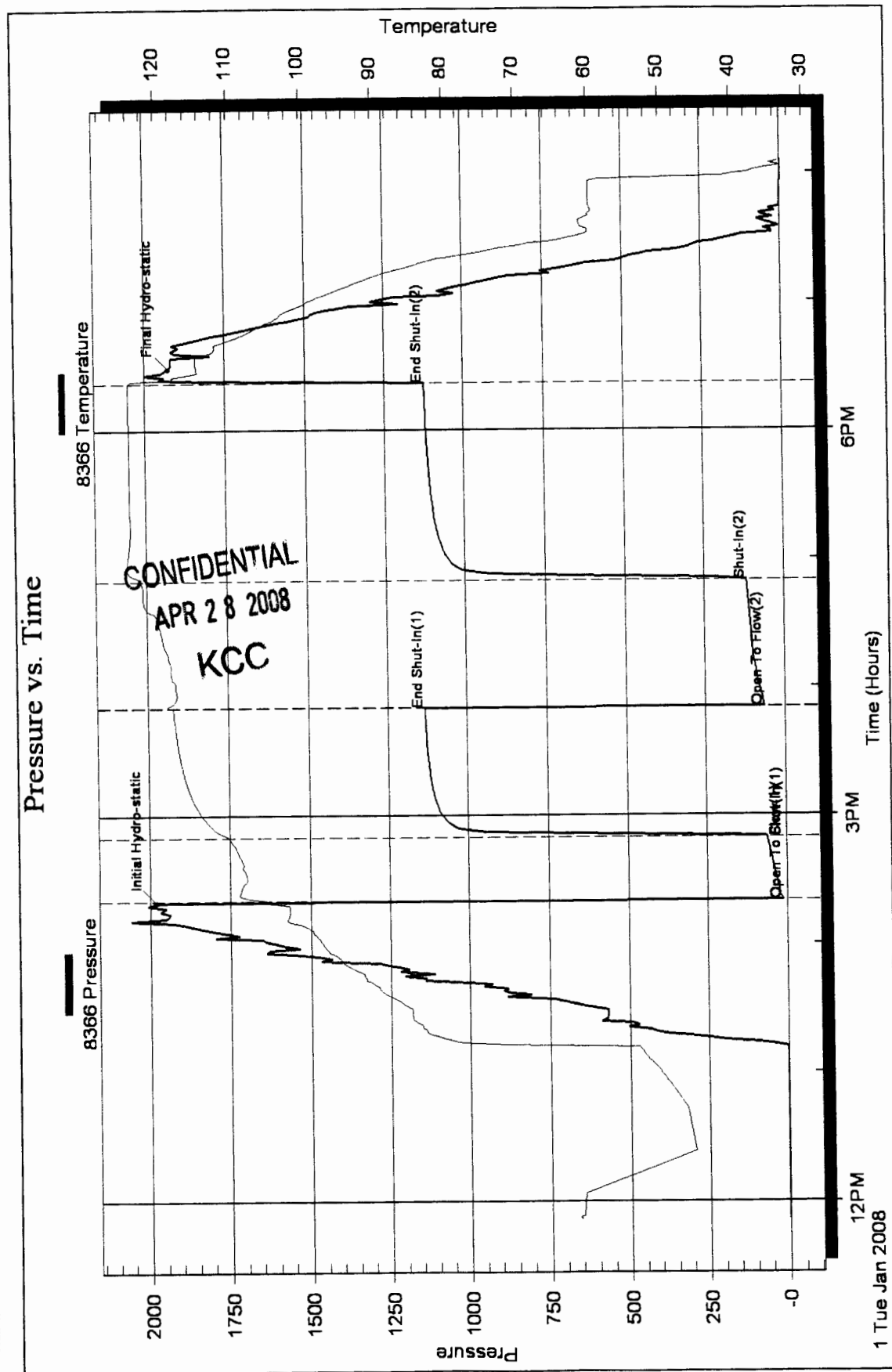
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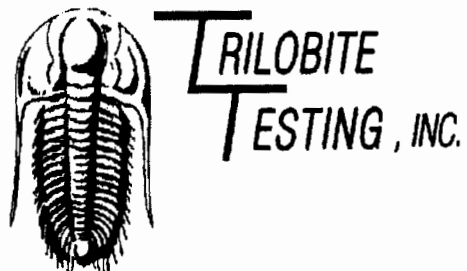
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

CONFIDENTIAL
APR 28 2008
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Prepared For: **Murfin Drilling Co Inc**

250 N Water Ste 300
Wichita KS 67202

ATTN: Rocky Milford

19 5 29 Decatur KS

Green O'Brien #4-19

Start Date: 2008.01.02 @ 04:09:39

End Date: 2008.01.02 @ 12:13:39

Job Ticket #: 31465 DST #: 3

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KANSAS CORPORATION COMMISSION

APR 28 2008

CONSERVATION DIVISION
WICHITA, KS

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 Inc

250 N Water Ste 300
Wichita KS 67202

ATTN: Rocky Milford

Green O'Brien #4-19

19 5 29 Decatur KS

Job Ticket: 31465

DST#: 3

Test Start: 2008.01.02 @ 04:09:39

GENERAL INFORMATION:

Formation: **Lans. "E-F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:02:09

Time Test Ended: 12:13:39

Test Type: Conventional Bottom Hole

Tester: James Winder

Unit No: 20

Interval: **3938.00 ft (KB) To 3967.00 ft (KB) (TVD)**

Total Depth: 3967.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2833.00 ft (KB)

2828.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8366

Inside

Press@RunDepth: 53.56 psig @ 3939.00 ft (KB)

Start Date: 2008.01.02

End Date: 2008.01.02

Start Time: 04:09:44

End Time: 12:13:38

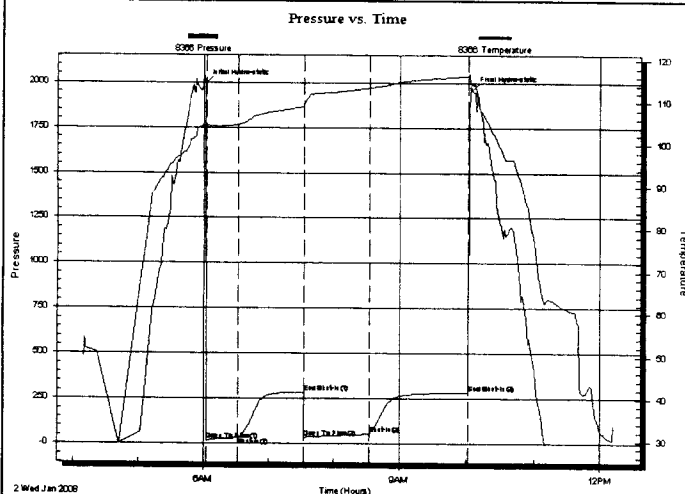
Capacity: 7000.00 psig

Last Calib.: 2008.01.02

Time On Btm: 2008.01.02 @ 06:01:39

Time Off Btm: 2008.01.02 @ 10:04:39

TEST COMMENT: IF Fairly weak blow built to 5 " in bucket
ISI Bled off very weak blow back built to 1/8 " in bucket
FF Fair blow built to 10 " in bucket
FSI Bled off very weak blow back built to 1/8 " in bucket



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1993.78	104.17	Initial Hydro-static
1	14.93	103.63	Open To Flow (1)
30	31.50	104.69	Shut-In (1)
91	285.18	108.94	End Shut-In (1)
92	30.96	109.48	Open To Flow (2)
151	53.56	113.35	Shut-In (2)
240	284.04	116.24	End Shut-In (2)
243	1960.12	114.29	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	SGOCM 58%M 40%O 2%G	0.05
90.00	Clean Oil 100%O	0.44
0.00	38 Gravity "corrected"	0.00

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co Inc

Green O'Brien #4-19

250 N Water Ste 300
Wichita KS 67202

19 5 29 Decatur KS

Job Ticket: 31465

DST#: 3

ATTN: Rocky Milford

Test Start: 2008.01.02 @ 04:09:39

Tool Information

Drill Pipe:	Length: 3767.00 ft	Diameter: 3.80 inches	Volume: 52.84 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: 25000.00 lb
Drill Collar:	Length: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 65000.00 lb
		Total Volume:	53.73 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3938.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	29.00 ft			
Tool Length:	49.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3923.00	
Hydraulic tool	5.00			3928.00	
Packer	5.00			3933.00	20.00 Bottom Of Top Packer
Packer	5.00			3938.00	
Stubb	1.00			3939.00	
Recorder	0.00	8366	Inside	3939.00	
Recorder	0.00	6672	Inside	3939.00	
Perforations	25.00			3964.00	
Bullnose	3.00			3967.00	29.00 Bottom Packers & Anchor
Total Tool Length:	49.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co Inc

Green O'Brien #4-19

250 N Water Ste 300
Wichita KS 67202

19 5 29 Decatur KS

Job Ticket: 31465

DST#: 3

ATTN: Rocky Milford

Test Start: 2008.01.02 @ 04:09:39

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: 62.00 sec/qt

Cushion Volume:

bbl

Water Loss: 5.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 900.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	SGOCM 58%M 40%O 2%G	0.049
90.00	Clean Oil 100%O	0.443
0.00	38 Gravity "corrected"	0.000

Total Length: 100.00 ft

Total Volume: 0.492 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

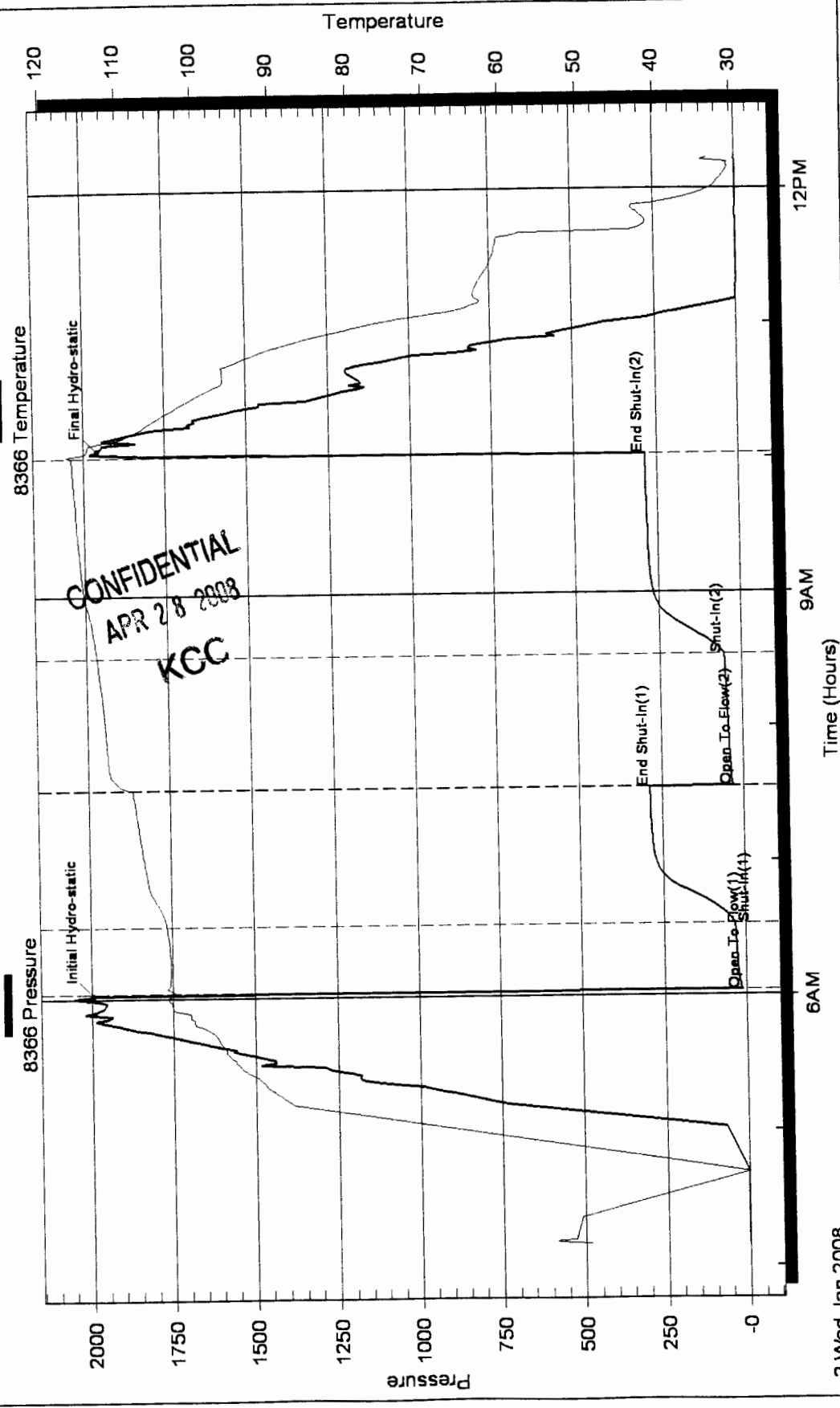
Serial #:

Laboratory Name:

Laboratory Location:

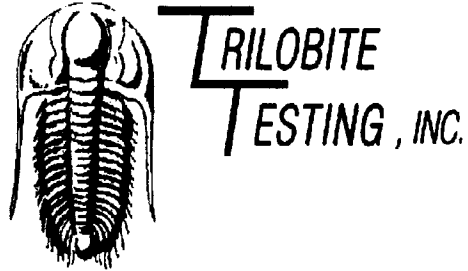
Recovery Comments:

Pressure vs. Time



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APR 28 2008
KCC

2 Wed Jan 2008



DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co Inc**

250 N Water Ste 300
Wichita KS 67202

CONFIDENTIAL
APR 28 2008
KCC

ATTN: Rocky Milford

19 5 29 Decatur KS

Green O'Brien #4-19

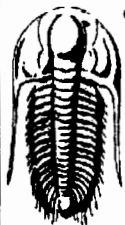
Start Date: 2008.01.03 @ 00:39:28

End Date: 2008.01.03 @ 09:37:58

Job Ticket #: 31466 DST #: 4

RECEIVED
KANSAS CORPORATION COMMISSION
APR 28 2008
CONSERVATION DIVISION
WICHITA, KS

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 Inc

250 N Water Ste 300
Wichita KS 67202

ATTN: Rocky Milford

Green O'Brien #4-19

19 5 29 Decatur KS

Job Ticket: 31466

DST#: 4

Test Start: 2008.01.03 @ 00:39:28

GENERAL INFORMATION:

Formation: **Lans. "H-K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:58:58

Time Test Ended: 09:37:58

Test Type: Conventional Bottom Hole

Tester: James Winder

Unit No: 20

Interval: **3985.00 ft (KB) To 4080.00 ft (KB) (TVD)**

Total Depth: 4080.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2833.00 ft (KB)

2828.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8366

Inside

Press@RunDepth: 135.41 psig @ 3986.00 ft (KB)

Start Date: 2008.01.03

End Date: 2008.01.03

Start Time: 00:39:33

End Time: 09:37:58

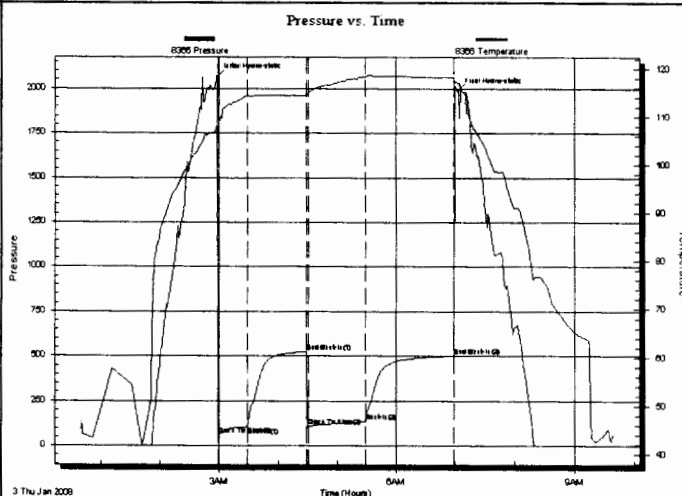
Capacity: 7000.00 psig

Last Calib.: 2008.01.03

Time On Btm: 2008.01.03 @ 02:58:28

Time Off Btm: 2008.01.03 @ 07:02:58

TEST COMMENT: IF Strong blow BOB in 17 1/2 min.
ISI Bled off weak blow back built to 1 1/2 " died back to 1" by end of shut in
FF Strong blow BOB in 14 min.
FSI Bled off weak blow back built to 3 " died back to 1



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2064.57	107.21	Initial Hydro-static
1	58.95	105.87	Open To Flow (1)
31	105.54	114.50	Shut-In (1)
90	524.77	114.37	End Shut-In (1)
92	106.78	114.81	Open To Flow (2)
150	135.41	118.35	Shut-In (2)
240	501.66	118.33	End Shut-In (2)
245	1985.45	117.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	GOM 40%M 35%O 25%G	0.07
185.00	GOCM 60%M 30%O 10%G	1.09
114.00	GO 80%O 20%G	1.60
0.00	186' GIP	0.00
0.00	gravity 35.2 "corrected"	0.00

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co Inc

250 N Water Ste 300
Wichita KS 67202

ATTN: Rocky Milford

Green O'Brien #4-19

19 5 29 Decatur KS

Job Ticket: 31466

DST#: 4

Test Start: 2008.01.03 @ 00:39:28

Tool Information

Drill Pipe:	Length: 3798.00 ft	Diameter: 3.80 inches	Volume: 53.28 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: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose:	62000.00 lb	
			Total Volume:	54.17 bbl	Tool Chased	10.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial	48000.00 lb	
Depth to Top Packer:	3985.00 ft			Final	48000.00 lb	
Depth to Bottom Packer:	ft					
Interval between Packers:	95.00 ft					
Tool Length:	115.00 ft					
Number of Packers:	2	Diameter:	6.75 inches			

Tool Comments:
Worked through a bridge 4 1/2 stands off bottom
Tool slid 6' before opening and 4' after

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3970.00	
Hydraulic tool	5.00			3975.00	
Packer	5.00			3980.00	20.00 Bottom Of Top Packer
Packer	5.00			3985.00	
Stubb	1.00			3986.00	
Recorder	0.00	8366	Inside	3986.00	
Recorder	0.00	6672	Inside	3986.00	
Perforations	26.00			4012.00	
Blank Spacing	65.00			4077.00	
Bullnose	3.00			4080.00	95.00 Bottom Packers & Anchor
Total Tool Length:	115.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co Inc

Green O'Brien #4-19

250 N Water Ste 300
Wichita KS 67202

19 5 29 Decatur KS

Job Ticket: 31466

DST#: 4

ATTN: Rocky Milford

Test Start: 2008.01.03 @ 00:39:28

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: 58.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.40 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 900.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	GOM 40%M 35%O 25%G	0.074
185.00	GOCM 60%M 30%O 10%G	1.092
114.00	GO 80%O 20%G	1.599
0.00	186 ' GIP	0.000
0.00	gravity 35.2 "corrected"	0.000

Total Length: 314.00 ft

Total Volume: 2.765 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

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APR 28 2008
KCC

