

15-159-22602

16-19s-9w

FILED



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Gilbert-Stewart Operating, LLC**

1801 Broadway
Suite 450
Denver, CO 80202

ATTN: Adam Kennedy

16 19S 9W Rice KS

Lincoln #4

Start Date: 2010.02.07 @ 11:40:00

End Date: 2010.02.07 @ 17:18:30

Job Ticket #: 36235 DST #: 1

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

RECEIVED
KANSAS CORPORATION COMMISSION

MAY 10 2010

CONSERVATION DIVISION
WICHITA, KS

Gilbert-Stewart Operating, LLC

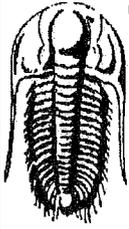
Lincoln #4

16 19S 9W Rice KS

DST # 1

Lansing, Kansas City

2010.02.07



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Gilbert-Stewart Operating, LLC

Lincoln #4

1801 Broadway
Suite 450
Denver, CO 80202
ATTN: Adam Kennedy

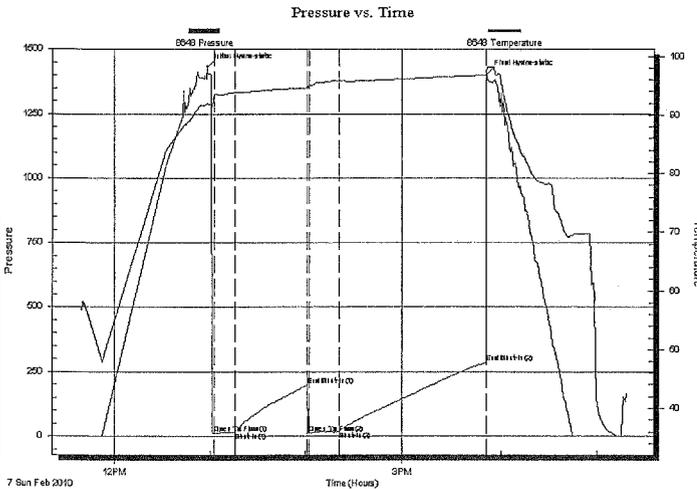
16 19S 9W Rice KS
Job Ticket: 36235 **DST#: 1**
Test Start: 2010.02.07 @ 11:40:00

GENERAL INFORMATION:

Formation: **Lansing, Kansas City**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:02:10
 Time Test Ended: 17:18:30
 Interval: **2918.00 ft (KB) To 2970.00 ft (KB) (TVD)**
 Total Depth: 2970.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole
 Tester: Jake Fahrenbruch
 Unit No: 43
 Reference Elevations: 1712.00 ft (KB)
 1702.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8648 Inside
 Press@RunDepth: 19.81 psig @ 2919.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2010.02.07 End Date: 2010.02.07 Last Calib.: 2010.02.07
 Start Time: 11:40:05 End Time: 17:18:29 Time On Btm: 2010.02.07 @ 12:58:20
 Time Off Btm: 2010.02.07 @ 15:51:40

TEST COMMENT: IF: Fair blow, built to BOB in 13.5 minutes.
 IS: Bled off, no blow back.
 FF: Fair blow, built to BOB in 16 minutes.
 FS: Bled off, weak blow back built to 1" in bucket.



PRESSURE SUMMARY

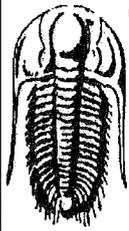
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1430.80	91.88	Initial Hydro-static
4	11.96	92.98	Open To Flow (1)
18	16.06	93.89	Shut-In(1)
63	197.77	94.63	End Shut-In(1)
64	11.94	95.11	Open To Flow (2)
83	19.81	95.85	Shut-In(2)
173	286.60	96.83	End Shut-In(2)
174	1402.53	98.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	OSM: <1%o, >99% m	0.21
0.00	250' Gas In Pipe	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Gilbert-Stewart Operating, LLC

Lincoln #4

1801 Broadway
Suite 450
Denver, CO 80202

16 19S 9W Rice KS

ATTN: Adam Kennedy

Job Ticket: 36235

DST#: 1

Test Start: 2010.02.07 @ 11:40:00

Tool Information

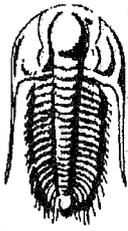
Drill Pipe:	Length: 2907.00 ft	Diameter: 3.80 inches	Volume: 40.78 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 35000.00 lb
			<u>Total Volume: 40.78 bbl</u>	Tool Chased: 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 30000.00 lb
Depth to Top Packer:	2918.00 ft			Final 30000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	52.00 ft			
Tool Length:	80.00 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			2895.00	
Hydraulic tool	5.00			2900.00	
Jars	5.00			2905.00	
Safety Joint	3.00			2908.00	
Packer	5.00			2913.00	28.00 Bottom Of Top Packer
Packer	5.00			2918.00	
Stubb	1.00			2919.00	
Recorder	0.00	8648	Inside	2919.00	
Perforations	13.00			2932.00	
Recorder	0.00	6769	Inside	2932.00	
Recorder	0.00	6799	Inside	2932.00	
Blank Spacing	33.00			2965.00	
Bullnose	5.00			2970.00	52.00 Bottom Packers & Anchor

Total Tool Length: 80.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Gilbert-Stewart Operating, LLC

Lincoln #4

1801 Broadway
Suite 450
Denver, CO 80202
ATTN: Adam Kennedy

16 19S 9W Rice KS
Job Ticket: 36235 **DST#: 1**
Test Start: 2010.02.07 @ 11:40:00

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: 46.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.95 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4800.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	OSM: <1%o, >99% <i>m</i>	0.210
0.00	250' Gas In Pipe	0.000

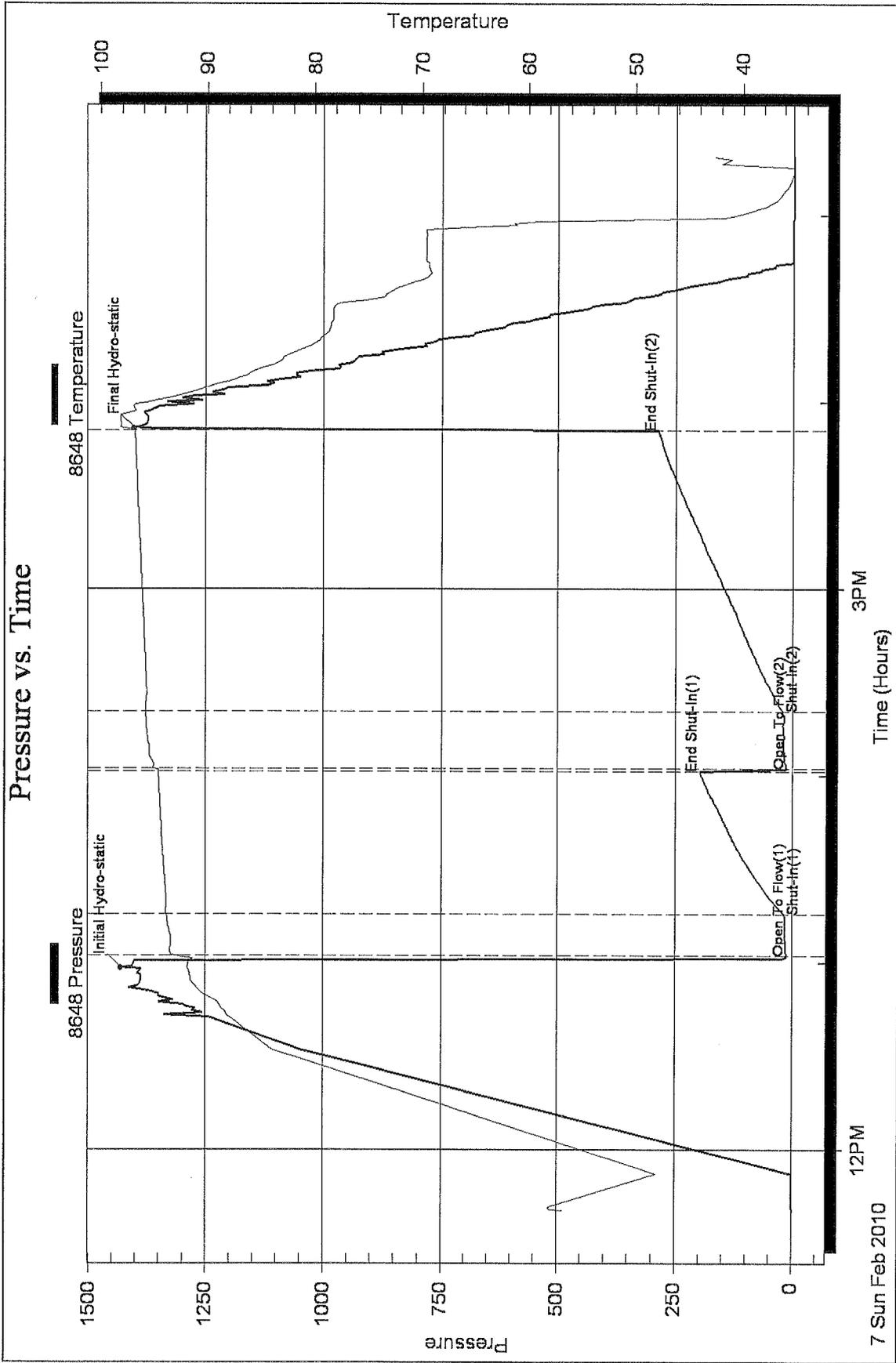
Total Length: 15.00 ft Total Volume: 0.210 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Gilbert-Stewart Operating, LLC**

1801 Broadway
Suite 450
Denver, CO 80202

ATTN: Adam Kennedy

16 19S 9W Rice KS

Lincoln #4

Start Date: 2010.02.08 @ 09:40:00

End Date: 2010.02.08 @ 16:39:39

Job Ticket #: 36236 DST #: 2

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Gilbert-Stewart Operating, LLC

Lincoln #4

1801 Broadway
Suite 450
Denver, CO 80202
ATTN: Adam Kennedy

16 19S 9W Rice KS

Job Ticket: 36236 **DST#: 2**
Test Start: 2010.02.08 @ 09:40:00

GENERAL INFORMATION:

Formation: **Lansing, Kansas City**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:15:30

Time Test Ended: 16:39:39

Test Type: Conventional Bottom Hole

Tester: Jake Fahrenbruch

Unit No: 43

Interval: **3064.00 ft (KB) To 3170.00 ft (KB) (TVD)**

Total Depth: 3170.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1712.00 ft (KB)

1702.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6769

Inside

Press@RunDepth: 464.67 psig @ 3065.00 ft (KB)

Start Date: 2010.02.08

End Date: 2010.02.08

Start Time: 09:40:05

End Time: 16:39:40

Capacity: 8000.00 psig

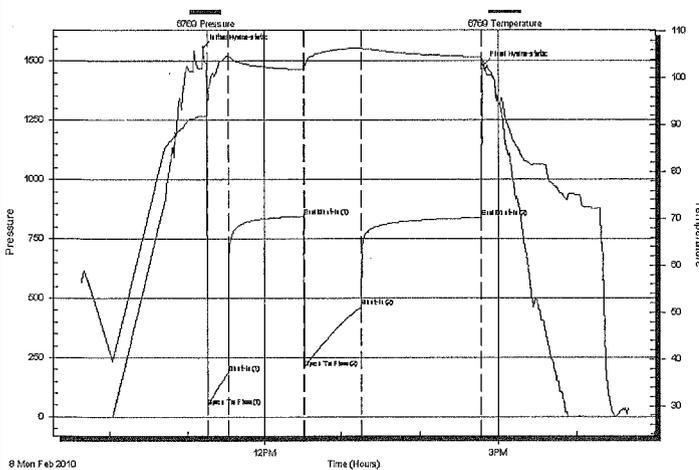
Last Calib.: 2010.02.08

Time On Btm: 2010.02.08 @ 11:12:10

Time Off Btm: 2010.02.08 @ 14:47:59

TEST COMMENT: IF: Strong blow, built to BOB in 3 minutes.
IS: Bled off, no blow back.
FF: Strong blow, built to BOB in 3 minutes 45 seconds.
FS: Bled off, no blow back.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1554.25	91.78	Initial Hydro-static
4	43.79	93.04	Open To Flow (1)
20	186.12	104.87	Shut-In(1)
79	845.18	101.77	End Shut-In(1)
79	203.59	102.03	Open To Flow (2)
124	464.67	106.40	Shut-In(2)
215	839.23	104.52	End Shut-In(2)
216	1482.07	103.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	Muddy Water 50%w, 50%w	2.52
775.00	Salt Water 100%w	10.87
0.00	rw = .20ohm@29degF=95,000ppmchl	0.00
0.00	No GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Gilbert-Stewart Operating, LLC

Lincoln #4

1801 Broadway
Suite 450
Denver, CO 80202
ATTN: Adam Kennedy

16 19S 9W Rice KS

Job Ticket: 36236

DST#: 2

Test Start: 2010.02.08 @ 09:40:00

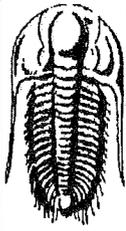
Tool Information

Drill Pipe:	Length: 3060.00 ft	Diameter: 3.80 inches	Volume: 42.92 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 40000.00 lb
			Total Volume: 42.92 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 32000.00 lb
Depth to Top Packer:	3064.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	106.00 ft			
Tool Length:	134.00 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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Shut In Tool	5.00			3041.00	
Hydraulic tool	5.00			3046.00	
Jars	5.00			3051.00	
Safety Joint	3.00			3054.00	
Packer	5.00			3059.00	28.00 Bottom Of Top Packer
Packer	5.00			3064.00	
Stubb	1.00			3065.00	
Recorder	0.00	6769	Inside	3065.00	
Recorder	0.00	6799	Inside	3065.00	
Perforations	35.00			3100.00	
Blank Spacing	65.00			3165.00	
Bullnose	5.00			3170.00	106.00 Bottom Packers & Anchor

Total Tool Length: 134.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Gilbert-Stewart Operating, LLC

Lincoln #4

1801 Broadway
Suite 450
Denver, CO 80202
ATTN: Adam Kennedy

16 19S 9W Rice KS
Job Ticket: 36236 **DST#: 2**
Test Start: 2010.02.08 @ 09:40:00

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:	95000 ppm
Viscosity: 46.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.94 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4800.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	Muddy Water 50%m, 50%w	2.525
775.00	Salt Water 100%w	10.871
0.00	rw = .20ohm@29degF=95,000ppmchl	0.000
0.00	No GIP	0.000

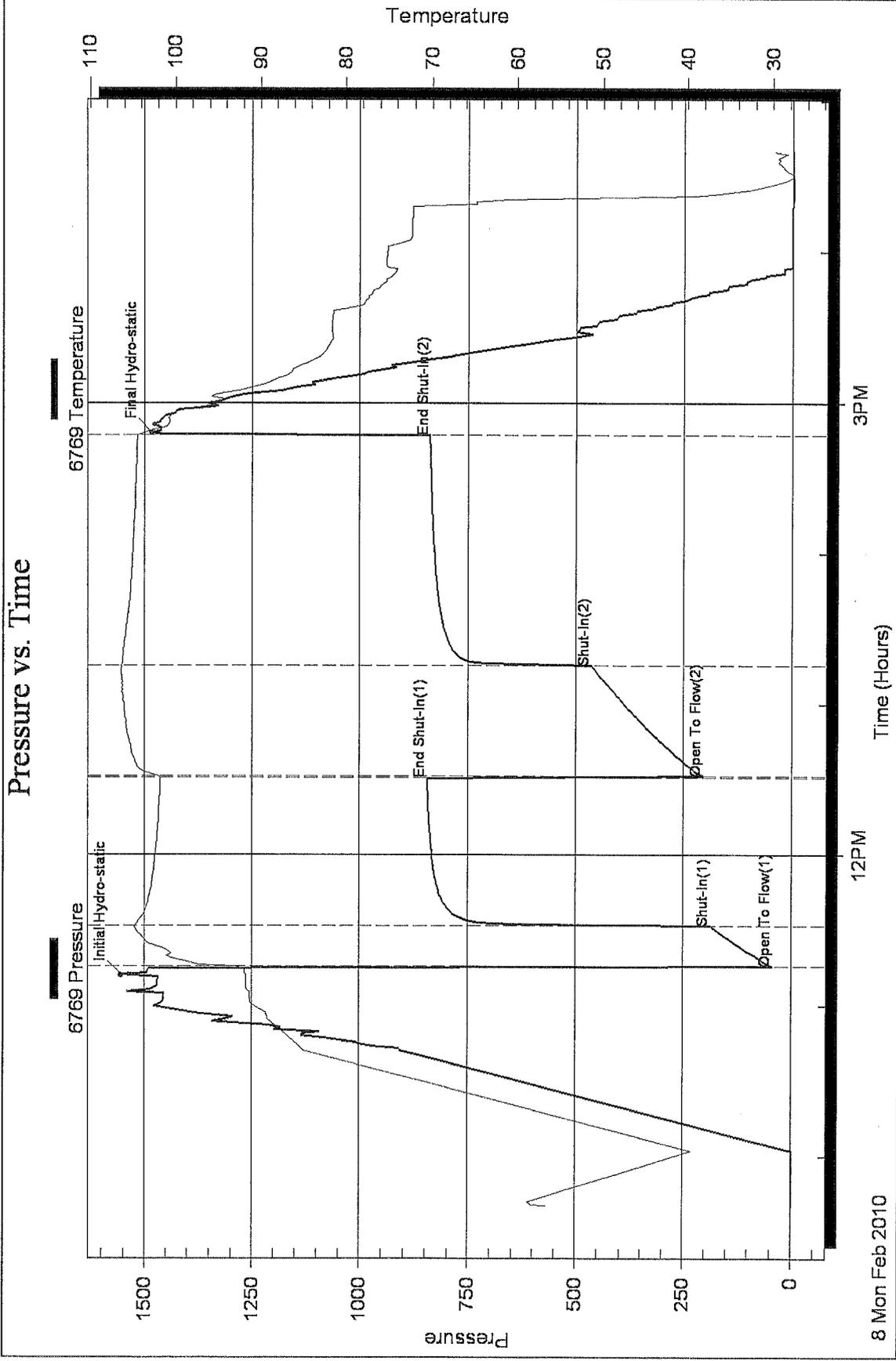
Total Length: 955.00 ft Total Volume: 13.396 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Gilbert-Stewart Operating, LLC**

1801 Broadway
Suite 450
Denver, CO 80202

ATTN: Adam Kennedy

16 19S 9W Rice KS

Lincoln #4

Start Date: 2010.02.09 @ 01:12:00

End Date: 2010.02.09 @ 08:54:30

Job Ticket #: 36237 DST #: 3

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



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DRILL STEM TEST REPORT

Gilbert-Stewart Operating, LLC

Lincoln #4

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ATTN: Adam Kennedy

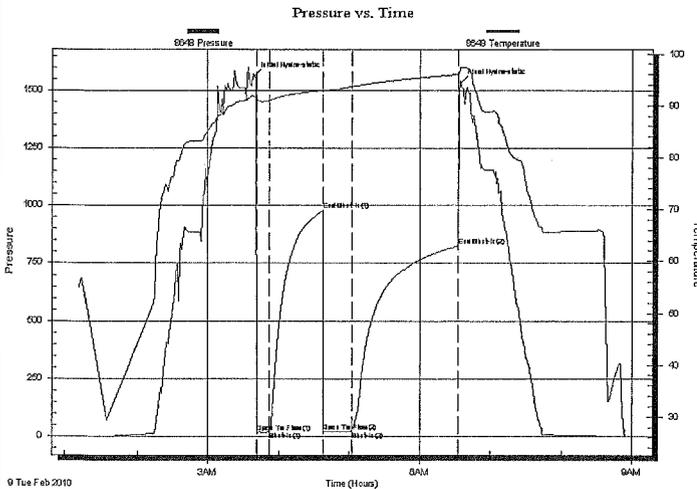
16 19S 9W Rice KS
Job Ticket: 36237 **DST#: 3**
Test Start: 2010.02.09 @ 01:12:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:41:00
 Time Test Ended: 08:54:30
 Interval: **3166.00 ft (KB) To 3238.00 ft (KB) (TVD)**
 Total Depth: 3238.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole
 Tester: Jake Fahrenbruch
 Unit No: 43
 Reference Elevations: 1712.00 ft (KB)
 1702.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8648 **Inside**
 Press@RunDepth: 22.26 psig @ 3167.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2010.02.09 End Date: 2010.02.09 Last Calib.: 2010.02.09
 Start Time: 01:12:05 End Time: 08:54:29 Time On Btm: 2010.02.09 @ 03:39:10
 Time Off Btm: 2010.02.09 @ 06:34:30

TEST COMMENT: IF: Weak blow, built to 1" in bucket.
 IS: No blow back.
 FF: Weak blow, built to 1" in bucket.
 FS: No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1562.18	91.72	Initial Hydro-static
2	18.65	91.03	Open To Flow (1)
13	19.84	91.02	Shut-In(1)
59	979.19	92.99	End Shut-In(1)
59	20.47	92.63	Open To Flow (2)
83	22.26	93.66	Shut-In(2)
174	826.70	96.06	End Shut-In(2)
176	1531.24	97.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	SOCM 5%o, 95%m	0.21

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Gilbert-Stewart Operating, LLC

Lincoln #4

1801 Broadway
Suite 450
Denver, CO 80202

16 19S 9W Rice KS

Job Ticket: 36237

DST#: 3

ATTN: Adam Kennedy

Test Start: 2010.02.09 @ 01:12:00

Tool Information

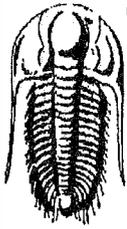
Drill Pipe:	Length: 3156.00 ft	Diameter: 3.80 inches	Volume: 44.27 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 35000.00 lb
			Total Volume: 44.27 bbl	Tool Chased: 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 33000.00 lb
Depth to Top Packer:	3166.00 ft			Final 33000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	72.00 ft			
Tool Length:	100.00 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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Shut In Tool	5.00			3143.00	
Hydraulic tool	5.00			3148.00	
Jars	5.00			3153.00	
Safety Joint	3.00			3156.00	
Packer	5.00			3161.00	28.00 Bottom Of Top Packer
Packer	5.00			3166.00	
Stubb	1.00			3167.00	
Recorder	0.00	8648	Inside	3167.00	
Perforations	2.00			3169.00	
Recorder	0.00	6769	Inside	3169.00	
Recorder	0.00	6799	Inside	3169.00	
Blank Spacing	64.00			3233.00	
Bullnose	5.00			3238.00	72.00 Bottom Packers & Anchor

Total Tool Length: 100.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

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Lincoln #4

1801 Broadway
Suite 450
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ATTN: Adam Kennedy

16 19S 9W Rice KS
Job Ticket: 36237 **DST#: 3**
Test Start: 2010.02.09 @ 01:12:00

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: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.77 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5500.00 ppm			
Filter Cake: inches			

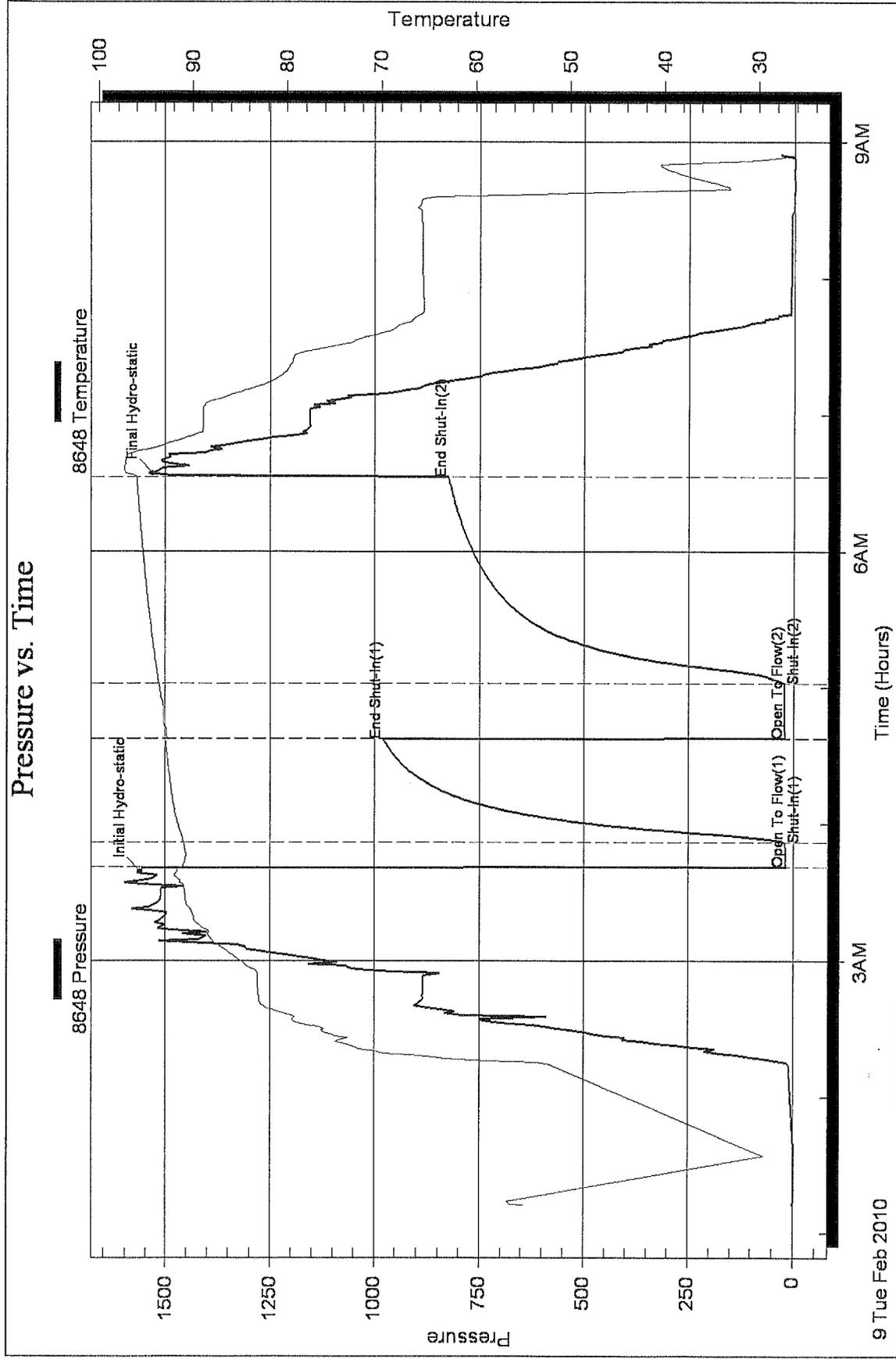
Recovery Information

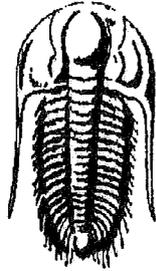
Recovery Table

Length ft	Description	Volume bbl
15.00	SOCM 5%o, 95%m	0.210

Total Length: 15.00 ft Total Volume: 0.210 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Gilbert-Stewart Operating, LLC**

1801 Broadway
Suite 450
Denver, CO 80202

ATTN: Adam Kennedy

16 19S 9W Rice KS

Lincoln #4

Start Date: 2010.02.09 @ 14:40:00

End Date: 2010.02.09 @ 20:40:39

Job Ticket #: 36238 DST #: 4

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Gilbert-Stewart Operating, LLC

Lincoln #4

16 19S 9W Rice KS

DST # 4

Arbuckle

2010.02.09



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DRILL STEM TEST REPORT

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ATTN: Adam Kennedy

16 19S 9W Rice KS
Job Ticket: 36238 **DST#: 4**
Test Start: 2010.02.09 @ 14:40:00

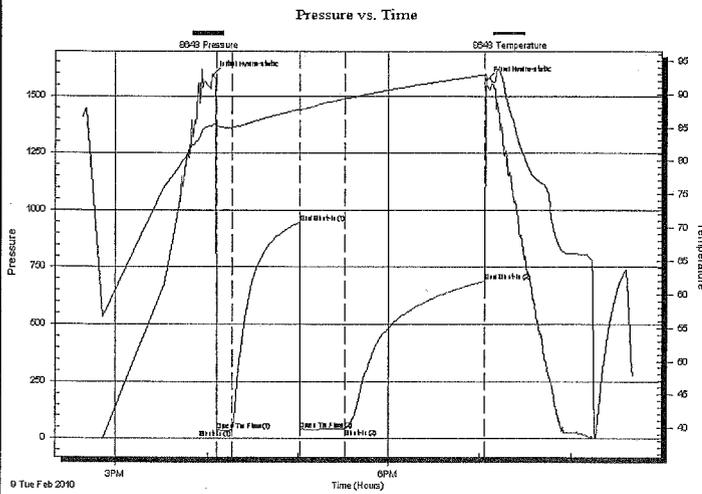
GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 16:06:10
Time Test Ended: 20:40:39
Interval: **3168.00 ft (KB) To 3244.00 ft (KB) (TVD)**
Total Depth: 3244.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Reference Elevations: 1712.00 ft (KB)
1702.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8648 **Inside**
Press@RunDepth: 42.88 psig @ 3174.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2010.02.09 End Date: 2010.02.09 Last Calib.: 2010.02.09
Start Time: 14:40:05 End Time: 20:40:40 Time On Btm: 2010.02.09 @ 16:04:00
Time Off Btm: 2010.02.09 @ 19:04:10

TEST COMMENT: IF: Weak blow, built to 2" in bucket.
IS: Bled off, no blow back.
FF: Weak blow, built to 2.5" in bucket.
FS: Bled off, no blow back.

PRESSURE SUMMARY



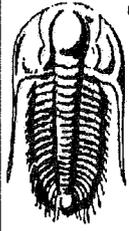
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1589.55	85.44	Initial Hydro-static
3	37.03	84.86	Open To Flow (1)
13	36.90	84.97	Shut-In(1)
57	946.65	87.74	End Shut-In(1)
58	40.06	87.27	Open To Flow (2)
88	42.88	89.27	Shut-In(2)
179	689.76	92.90	End Shut-In(2)
181	1571.56	92.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Clean Oil 100%	0.03
25.00	SOCM 5%, 95% m	0.35

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Gilbert-Stewart Operating, LLC

Lincoln #4

1801 Broadway
Suite 450
Denver, CO 80202
ATTN: Adam Kennedy

16 19S 9W Rice KS
Job Ticket: 36238 DST#: 4
Test Start: 2010.02.09 @ 14:40:00

Tool Information

Drill Pipe:	Length: 3156.00 ft	Diameter: 3.80 inches	Volume: 44.27 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 58000.00 lb
			Total Volume: 44.27 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 33000.00 lb
Depth to Top Packer:	3168.00 ft			Final 33000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	76.00 ft			
Tool Length:	104.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			3145.00	
Hydraulic tool	5.00			3150.00	
Jars	5.00			3155.00	
Safety Joint	3.00			3158.00	
Packer	5.00			3163.00	28.00 Bottom Of Top Packer
Packer	5.00			3168.00	
Stubb	1.00			3169.00	
Perforations	5.00			3174.00	
Recorder	0.00	8648	Inside	3174.00	
Blank Spacing	32.00			3206.00	
Recorder	0.00	6769	Inside	3206.00	
Recorder	0.00	6799	Inside	3206.00	
Blank Spacing	33.00			3239.00	
Bullnose	5.00			3244.00	76.00 Bottom Packers & Anchor

Total Tool Length: 104.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Gilbert-Stewart Operating, LLC

Lincoln #4

1801 Broadway
Suite 450
Denver, CO 80202
ATTN: Adam Kennedy

16 19S 9W Rice KS
Job Ticket: 36238 **DST#: 4**
Test Start: 2010.02.09 @ 14:40:00

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: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.38 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5600.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	Clean Oil 100%o	0.028
25.00	SOCM 5%o, 95%m	0.351

Total Length: 27.00 ft Total Volume: 0.379 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 8648

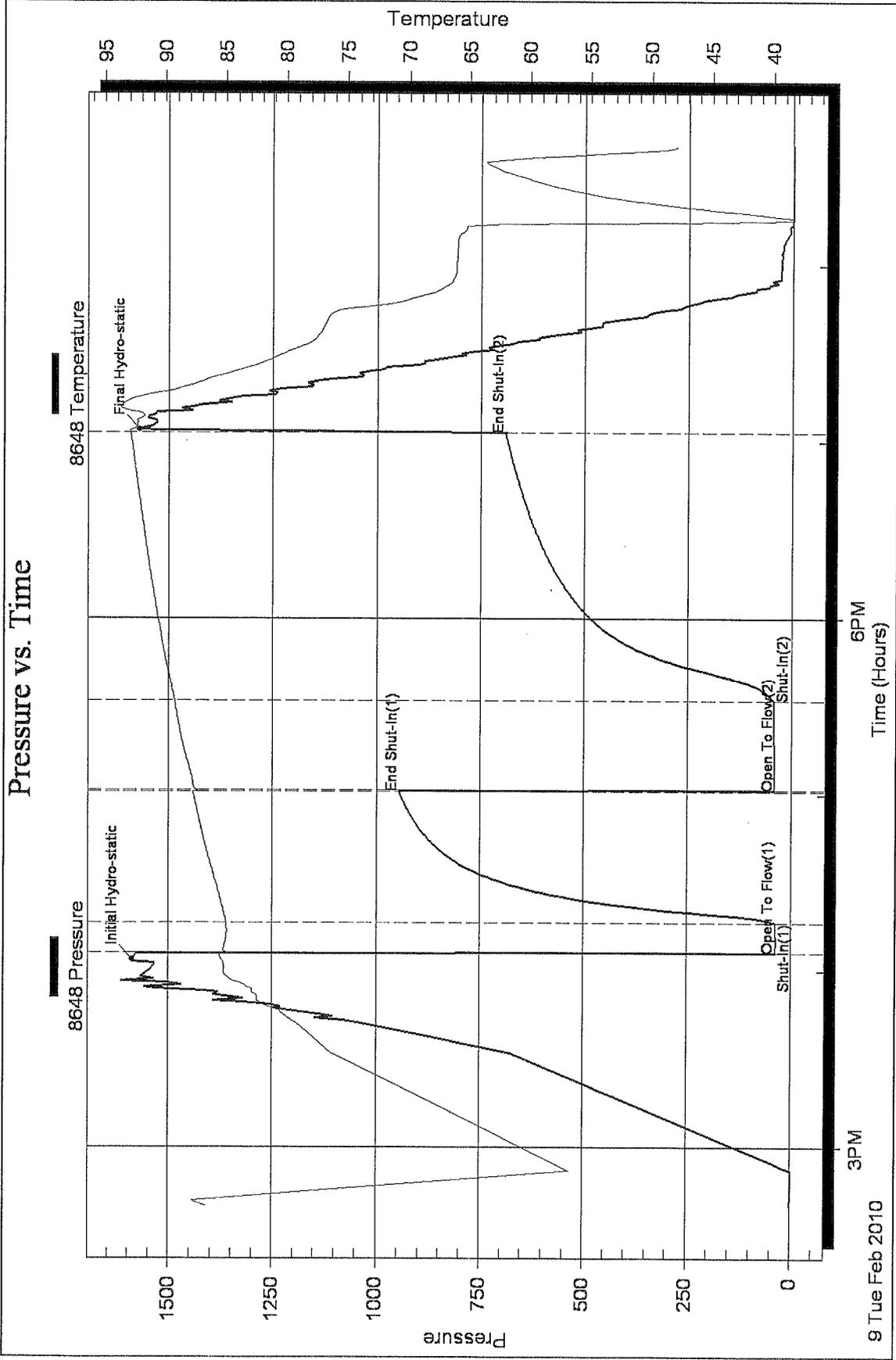
Inside

Gilbert-Stewart Operating, LLC

16 19S 9W Rice KS

DST Test Number: 4

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 36238

Printed: 2010.02.18 @ 13:46:10 Page 5



DRILL STEM TEST REPORT

Prepared For: **Gilbert-Stewart Operating, LLC**

1801 Broadway
Suite 450
Denver, CO 80202

ATTN: Adam Kennedy

16 19S 9W Rice KS

Lincoln #4

Start Date: 2010.02.10 @ 03:57:00

End Date: 2010.02.10 @ 10:08:30

Job Ticket #: 36239 DST #: 5

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Gilbert-Stewart Operating, LLC

Lincoln #4

1801 Broadway
Suite 450
Denver, CO 80202
ATTN: Adam Kennedy

16 19S 9W Rice KS

Job Ticket: 36239 **DST#: 5**
Test Start: 2010.02.10 @ 03:57:00

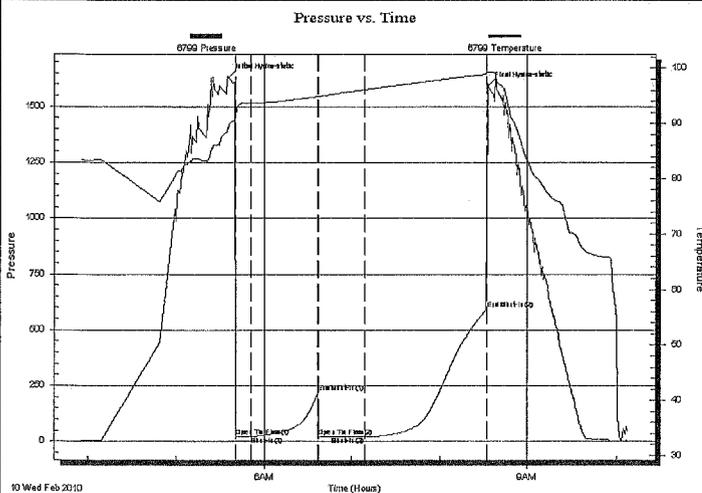
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole
 Time Tool Opened: 05:40:30
 Tester: Jake Fahrenbruch
 Time Test Ended: 10:08:30
 Unit No: 43
 Interval: **3253.00 ft (KB) To 3260.00 ft (KB) (TVD)**
 Reference Elevations: 1712.00 ft (KB)
 Total Depth: 3260.00 ft (KB) (TVD) 1702.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 10.00 ft

Serial #: 6799 **Inside**
 Press@RunDepth: 21.99 psig @ 3254.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2010.02.10 End Date: 2010.02.10 Last Calib.: 2010.02.10
 Start Time: 03:57:05 End Time: 10:08:29 Time On Btm: 2010.02.10 @ 05:35:50
 Time Off Btm: 2010.02.10 @ 08:32:59

TEST COMMENT: IF: Weak blow, built to .75".
 IS: No blow back.
 FF: No blow.
 FSI: No blow back.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1630.04	89.59	Initial Hydro-static
5	21.79	90.59	Open To Flow (1)
15	22.29	93.65	Shut-In(1)
62	219.74	94.88	End Shut-In(1)
62	21.76	94.87	Open To Flow (2)
94	21.99	96.09	Shut-In(2)
177	593.21	98.85	End Shut-In(2)
178	1594.73	99.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	SOCM 1%0, 99%m	0.03

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Gilbert-Stewart Operating, LLC

Lincoln #4

1801 Broadway
Suite 450
Denver, CO 80202
ATTN: Adam Kennedy

16 19S 9W Rice KS

Job Ticket: 36239

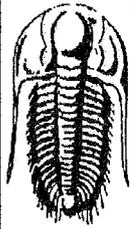
DST#: 5

Test Start: 2010.02.10 @ 03:57:00

Tool Information

Drill Pipe:	Length: 3250.00 ft	Diameter: 3.80 inches	Volume: 45.59 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: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 58000.00 lb
			Total Volume: 45.59 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 33000.00 lb
Depth to Top Packer:	3253.00 ft			Final 33000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	7.00 ft			
Tool Length:	35.00 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			3230.00	
Hydraulic tool	5.00			3235.00	
Jars	5.00			3240.00	
Safety Joint	3.00			3243.00	
Packer	5.00			3248.00	28.00 Bottom Of Top Packer
Packer	5.00			3253.00	
Stubb	1.00			3254.00	
Recorder	0.00	6769	Inside	3254.00	
Recorder	0.00	6799	Inside	3254.00	
Bullnose	6.00			3260.00	7.00 Bottom Packers & Anchor
Total Tool Length:	35.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Gilbert-Stewart Operating, LLC

Lincoln #4

1801 Broadway
Suite 450
Denver, CO 80202
ATTN: Adam Kennedy

16 19S 9W Rice KS
Job Ticket: 36239 **DST#: 5**
Test Start: 2010.02.10 @ 03:57:00

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: 46.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.95 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4800.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	SOCM 1%0, 99%m	0.028

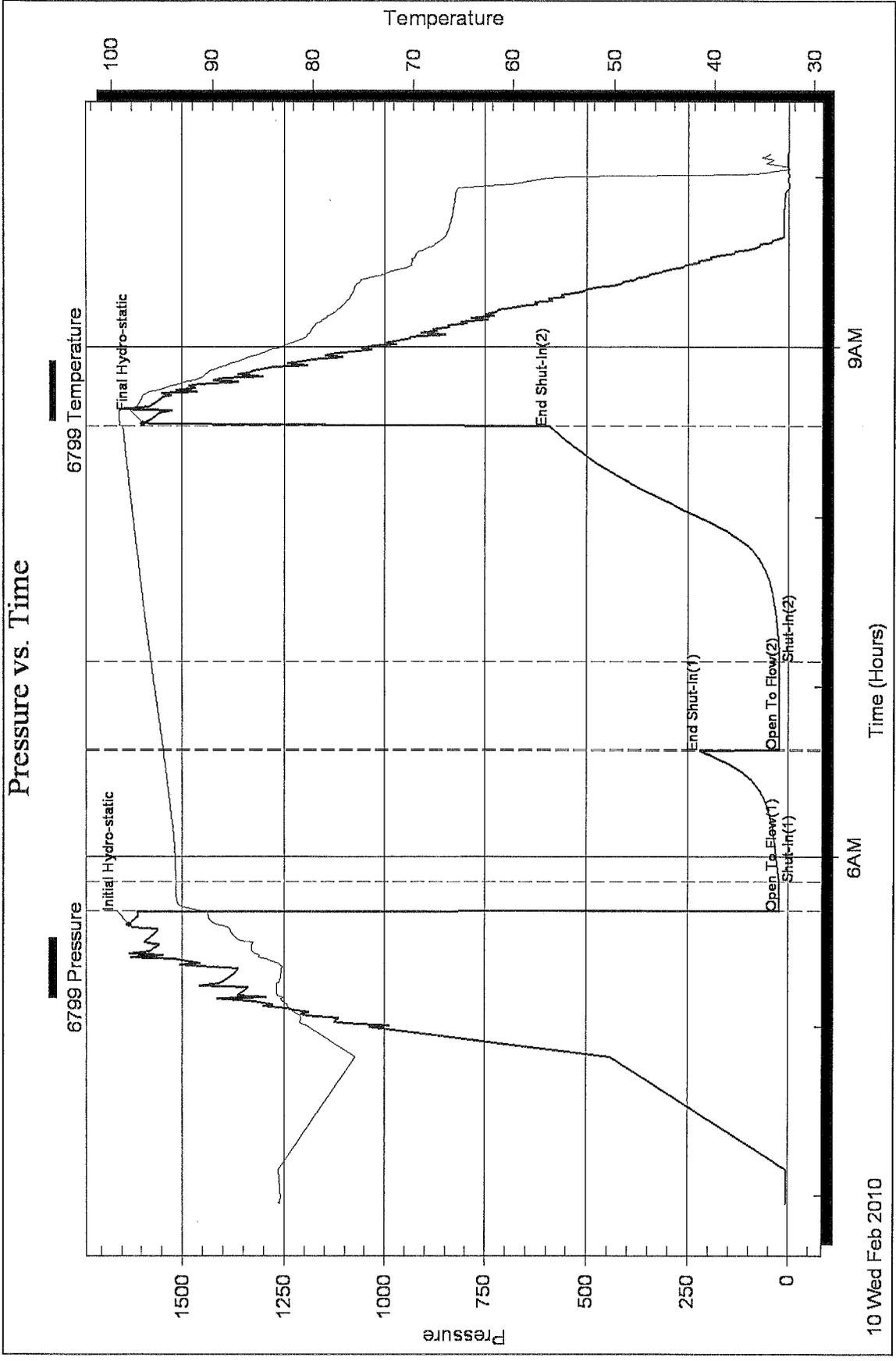
Total Length: 2.00 ft Total Volume: 0.028 bbl

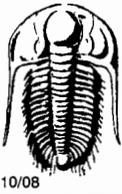
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

RECEIVED
FEB 17 2010

NO. 36235
13909

Well Name & No. LINCOLN #4 BY: _____ Test No. 1 Date 7TH FEBRUARY 2010
 Company GILBERT-STEWART OPERATING, LLC Elevation 1702 KB 1712 GL _____
 Address 1801 BROADWAY, SUITE 450, DENVER, COLORADO 80202
 Co. Rep / Geo. ADAM KENNEDY 316-650-9677 Rig SOUTHWIND DRILL RIG #1, 620-FH-2015
 Location: Sec. 16 Twp. 19s Rge. 9W Co. RICE State KANSAS

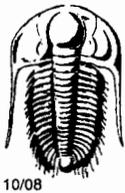
Interval Tested 2918-2970 Zone Tested LANSING, KANSAS CITY - "D-F"
 Anchor Length 52 Drill Pipe Run 2207' 1/2" X-HOLE Mud Wt. 9.1
 Top Packer Depth 2913 Drill Collars Run NONE Vis 46
 Bottom Packer Depth 2918 Wt. Pipe Run NONE WL 8.0
 Total Depth 2970 Chlorides 4,800 ppm System LCM 0⁺

Blow Description IF: FAIR BLOW, BUILT TO B.O.B. IN 13 1/2 MINUTES.
ISI: BLED OFF, NO BLOWBACK.
FF: FAIR BLOW, BUILT TO B.O.B. IN 16 MINUTES.
FSI: BLED OFF, WEAK BLOWBACK, BUILT TO 1" IN BUCKET.

Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>OSM</u>	<u><1%</u>		<u>799%</u>	
<u>—</u>	<u>250' GAS IN PIPE</u>				
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
Rec Total	<u>15</u>	BHT <u>97°F</u>	Gravity <u>NA</u>	API RW <u>—</u>	@ <u>—</u> °F Chlorides <u>NA</u> ppm

(A) Initial Hydrostatic 1388 Test 1050- T-On Location 1045
 (B) First Initial Flow 12 Jars 250- T-Started 1140
 (C) First Final Flow 16 Safety Joint 75- T-Open 1302
 (D) Initial Shut-In 198 Circ Sub NO CHARGE T-Pulled 1550
 (E) Second Initial Flow 12 Hourly Standby _____ T-Out 1715
 (F) Second Final Flow 20 Mileage 158 R.T. PRATT Comments _____
 (G) Final Shut-In 287 Sampler _____
 (H) Final Hydrostatic 1373 Straddle _____
 Shale Packer _____ Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____
 Initial Open 15 Day Standby _____ Sub Total 0
 Initial Shut-In 45 Accessibility _____ Total 1533
 Final Flow 20
 Final Shut-In 90
 Sub Total 1533-

Approved By _____ Our Representative [Signature]
 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.
 1-800-1-785-650-7709 CELL



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
FEB 17 2010

Test Ticket

NO. 36236

Well Name & No. LINCOLN #4 Test No. 2 Date 8TH FEBRUARY 2010
 Company GILBERT - STEWART OPERATING, LLL Elevation 1702 KB 1712 GL
 Address 1801 BROADWAY, SUITE 450, DENVER, COLORADO 80202
 Co. Rep / Geo. ADAM KENNEDY Rig SOUTHWIND REG #1
 Location: Sec. 16 Twp. 19S Rge. 9W Co. RECE State KANSAS

Interval Tested 3064-3170 Zone Tested LANSING, KANSAS CITY "J, K, L"
 Anchor Length 106 Drill Pipe Run 3060 / 4 1/2" X-HOLE Mud Wt. 9.2
 Top Packer Depth 3059 Drill Collars Run NONE Vis 49
 Bottom Packer Depth 3064 Wt. Pipe Run NONE WL 8.8
 Total Depth 3170 Chlorides 5500 ppm System LCM 0

Blow Description IF: STRONG BLOW, BUILT TO BOB IN 3 MINUTES.
IST: BLED OFF, NO BLOWBACK.
FF: STRONG BLOW, BUILT TO BOB IN 3 MINUTES 45 SECONDS.
FSL: BLED OFF, NO BLOWBACK.

Rec	Feet of	%gas	%oil	%water	%mud
<u>180</u>	<u>Muddy WATER</u>		<u>50</u>	<u>50</u>	
<u>775</u>	<u>SALT WATER</u>		<u>100</u>		
<u>-</u>	<u>NO GIP</u>				

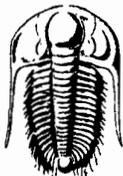
Rec Total 955 BHT _____ Gravity NA API RW 20.2 @ 29 °F Chlorides 94,000 ppm

(A) Initial Hydrostatic <u>1468</u>	<input checked="" type="checkbox"/> Test <u>1050</u>	T-On Location <u>0915</u>
(B) First Initial Flow <u>44</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>0940</u>
(C) First Final Flow <u>186</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1115</u>
(D) Initial Shut-In <u>845</u>	<input checked="" type="checkbox"/> Circ Sub <u>NO CHARGE</u>	T-Pulled <u>1446</u>
(E) Second Initial Flow <u>204</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>1630</u>
(F) Second Final Flow <u>465</u>	<input checked="" type="checkbox"/> Mileage <u>158 R.T. PRATT</u>	Comments _____
(G) Final Shut-In <u>839</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1461</u>	<input type="checkbox"/> Straddle	
Initial Open <u>15</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Final Shut-In <u>90</u>	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility	Total <u>1533</u>
	Sub Total <u>1533</u>	

Approved By AM Our Representative [Signature]

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.

785 150 7709



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
FEB 17 2010

Test Ticket

NO. 36237

10/08

Weil Name & No. <u>LINCOLN #4</u>	Test No. <u>3</u>	Date <u>9TH FEBRUARY 2010</u>
Company <u>GILBERT - STEWART OPERATING, LLC.</u>	Elevation <u>1702</u>	KB <u>1712</u> GL
Address <u>1801 BROADWAY, SUITE 450, DENVER, COLORADO, 80202</u>		
Co. Rep / Geo. <u>ADAM KENNEDY</u>	Rig <u>SOUTHWIND #1</u>	
Location: Sec. <u>16</u> Twp. <u>19S</u> Rge. <u>9W</u> Co. <u>RICE</u> State <u>KANSAS</u>		

Interval Tested <u>3166-3238</u>	Zone Tested <u>ARBUCKLE</u>	
Anchor Length <u>72</u>	Drill Pipe Run <u>3156 / 4 1/2" X-HOLE</u>	Mud Wt. <u>9.2</u>
Top Packer Depth <u>3161</u>	Drill Collars Run <u>NONE</u>	Vis <u>49</u>
Bottom Packer Depth <u>3166</u>	Wt. Pipe Run <u>NONE</u>	WL <u>8.8</u>
Total Depth <u>3238</u>	Chlorides <u>5500</u> ppm System	LCM <u>0</u>

Blow Description IF: WEAK BLOW, BLEED TO 1" IN BUCKET.
ISF: NO BLOWBACK.
FF: WEAK BLOW, BLEED TO 1" IN BUCKET.
FSI: NO BLOWBACK

Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>500M</u>	<u>5</u>		<u>95</u>	
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

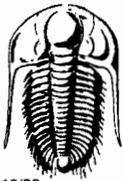
Rec Total 15 BHT 96°F Gravity NA API RW - @ - °F Chlorides NA ppm

(A) Initial Hydrostatic <u>1522</u>	<input checked="" type="checkbox"/> Test <u>1050'</u>	T-On Location <u>0030</u>
(B) First Initial Flow <u>19</u>	<input checked="" type="checkbox"/> Jars <u>250'</u>	T-Started <u>0112</u>
(C) First Final Flow <u>20</u>	<input checked="" type="checkbox"/> Safety Joint <u>75'</u>	T-Open <u>0341</u>
(D) Initial Shut-In <u>979</u>	<input checked="" type="checkbox"/> Circ Sub <u>NO CHARGE</u>	T-Pulled <u>0632</u>
(E) Second Initial Flow <u>20</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>0845</u>
(F) Second Final Flow <u>22</u>	<input checked="" type="checkbox"/> Mileage <u>158 RT. PRATT</u>	Comments
(G) Final Shut-In <u>827</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1519</u>	<input type="checkbox"/> Straddle	
Initial Open <u>10</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>20</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Final Shut-In <u>90</u>	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility	Total <u>1533'</u>
	Sub Total <u>1533'</u>	

Approved By [Signature]

Our Representative [Signature]

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
FEB 17 2010

Test Ticket

NO. 36238

Well Name & No. LINCOLN #4 Test No. 4 Date 9TH FEBRUARY 2010
 Company GILBERT - STEWART OPERATING, LLC Elevation 1702 KB 1712 GL
 Address 1801 BROADWAY, SUITE 450, DENVER, COLORADO, 80202
 Co. Rep / Geo. ADAM KENNEDY Rig. SOUTHWIND RIG #1
 Location: Sec. 16 Twp. 19S Rge. 9W Co. RICE State KANSAS

Interval Tested 3168-3244 Zone Tested ARBUCKLE
 Anchor Length 76 Drill Pipe Run 3156 1/2" X-11 Mud Wt. 9.2
 Top Packer Depth 3143 Drill Collars Run NONE Vis 57
 Bottom Packer Depth 3168 Wt. Pipe Run NONE WL 8.4
 Total Depth 3244 Chlorides 5600 ppm System LCM 0

Blow Description IF: WEAK BLOW, BUILT TO 2" IN BUCKET.
ISI: BLED OFF, NO BLOWBACK.
FF: WEAK BLOW, BUILT TO 2 1/2" IN BUCKET.
FSL: BLED OFF, NO BLOWBACK.

Rec	Feet of	%gas	%oil	%water	%mud
<u>2</u>	<u>CLEAN OIL</u>		<u>100</u>		
<u>25</u>	<u>SOCM</u>		<u>5</u>		<u>95</u>

Rec Total 27 BHT 93°F Gravity NC API RW - @ - °F Chlorides NA ppm

(A) Initial Hydrostatic 1534 Test 1050 T-On Location 1400
 (B) First Initial Flow 37 Jars 250 T-Started 1440
 (C) First Final Flow 37 Safety Joint 75 T-Open 1606
 (D) Initial Shut-In 947 Circ Sub NO CHARGE T-Pulled 1903
 (E) Second Initial Flow 40 Hourly Standby _____ T-Out 2030
 (F) Second Final Flow 43 Mileage 158 R.T. PRATT Comments _____
 (G) Final Shut-In 690 Sampler _____
 (H) Final Hydrostatic 1530 Straddle _____
 Shale Packer _____ Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____
 Day Standby _____ Sub Total 0
 Accessibility _____ Total 1533
 Sub Total 1533

Approved By MM Our Representative David J. Fabian

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.

1785 2511 77119



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED Test Ticket
FEB 17 2010
NO. 36239

10/08

Well Name & No. LINCOLN #4 Test No. 5 Date 10 FEB 2010
 Company GILBERT-STEWART OPERATING, LLC Elevation 1702 KB 1712 GL
 Address 1801 BROADWAY, SUITE 450, DENVER, COLORADO 80202
 Co. Rep / Geo. ADAM KENNEDY Rig SOUTHWIND REG #1
 Location: Sec. 16 Twp. 19s Rge. 9w Co. RICE State KANSAS

Interval Tested 3253 - 3260 Zone Tested ARBUCKLE
 Anchor Length 7 Drill Pipe Run 3250 1/4" X-HOLE Mud Wt. 9.3
 Top Packer Depth 3248 Drill Collars Run NONE Vis 60
 Bottom Packer Depth 3253 Wt. Pipe Run NONE WL 8.5
 Total Depth 3260 Chlorides 5600 ppm System LCM 0

Blow Description IF: WEAK BLOW, BUILT TO 3/4"
ISI: NO BLOWBACK.
FF: NO BLOW.
FBI: NO BLOWBACK.

Rec	Feet of	%gas	%oil	%water	%mud
<u>2</u>	<u>30CM</u>	<u>1</u>		<u>99</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 2 BHT 99°F Gravity NA API RW - @ - °F Chlorides NA ppm

(A) Initial Hydrostatic 1559 Test 1050' T-On Location 0345
 (B) First Initial Flow 22 Jars 250' T-Started 0357
 (C) First Final Flow 22 Safety Joint 75' T-Open 0540
 (D) Initial Shut-In 220 Circ Sub NO CHARGE T-Pulled 0832
 (E) Second Initial Flow 22 Hourly Standby _____ T-Out 1000
 (F) Second Final Flow 22 Mileage 158 R.T. PRAT Comments _____
 (G) Final Shut-In 593 Sampler _____
 (H) Final Hydrostatic 1551 Straddle _____
 Shale Packer _____ Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____
 Day Standby _____ Sub Total 0
 Accessibility _____ Total 1533-
 Sub Total 1533-

Approved By _____ Our Representative [Signature]
 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.

186 650 7709