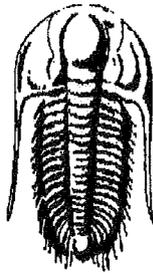


15-159-22601

21-19s-9w

REC



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Gilbert & Stewart Operating**

1801 Broadway STE. 450
Denver CO. 80202

ATTN: Derek Patterson

21 19s 9w Rice KS

Lincoln #3

Start Date: 2009.12.19 @ 23:20:32

End Date: 2009.12.20 @ 06:18:41

Job Ticket #: 35140 DST #: 1

RECEIVED
MAY 10 2010
KCC WICHITA

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Gilbert & Stewart Operating

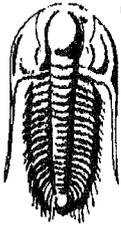
Lincoln #3

21 19s 9w Rice KS

DST # 1

Lamsing "A-D"

2009.12.19



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Gilbert & Stewart Operating

Lincoln #3

1801 Broadway STE. 450
Denver CO. 80202

21 19s 9w Rice KS

ATTN: Derek Patterson

Job Ticket: 35140

DST#: 1

Test Start: 2009.12.19 @ 23:20:32

GENERAL INFORMATION:

Formation: **Lamsing "A-D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:35:22

Time Test Ended: 06:18:41

Test Type: Conventional Bottom Hole

Tester: Kevin Taylor

Unit No: 31

Interval: **2862.00 ft (KB) To 2927.00 ft (KB) (TVD)**

Reference Elevations: 1714.00 ft (KB)

Total Depth: 2927.00 ft (KB) (TVD)

1710.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 4.00 ft

Serial #: 6769 Inside

Press@RunDepth: 31.12 psig @ 2863.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2009.12.19 End Date: 2009.12.20

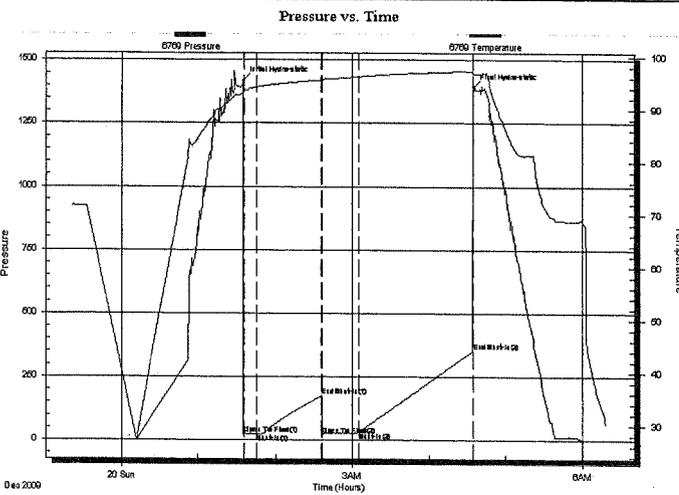
Last Calib.: 2009.12.20

Start Time: 23:20:37 End Time: 06:18:42

Time On Btm: 2009.12.20 @ 01:35:02

Time Off Btm: 2009.12.20 @ 04:35:02

TEST COMMENT: I.F. Fair Blow Built To 5 1/4" In 15 Mn
I.S.I. Bled Off 5 Mn No Blow
F.F. Fair Blow Built To 5"
F.S.I. Bled Off 5 Mn No Blow



PRESSURE SUMMARY

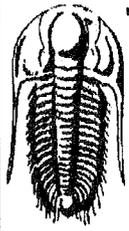
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1416.63	92.87	Initial Hydro-static
1	21.91	93.31	Open To Flow (1)
10	22.17	94.18	Shut-In(1)
61	173.16	95.54	End Shut-In(1)
61	19.48	95.53	Open To Flow (2)
90	31.12	96.22	Shut-In(2)
180	352.32	97.30	End Shut-In(2)
180	1392.12	96.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Gilbert & Stewart Operating

Lincoln #3

1801 Broadway STE. 450
Denver CO. 80202

21 19s 9w Rice KS

Job Ticket: 35140

DST#: 1

ATTN: Derek Patterson

Test Start: 2009.12.19 @ 23:20:32

Tool Information

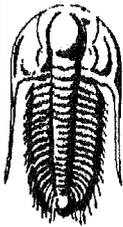
Drill Pipe:	Length: 2832.00 ft	Diameter: 3.88 inches	Volume: 41.42 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 29.00 ft	Diameter: 2.75 inches	Volume: 0.21 bbl	Weight to Pull Loose: 45000.00 lb
		Total Volume:	41.63 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	2862.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	65.00 ft			
Tool Length:	93.00 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			2839.00	
Hydraulic tool	5.00			2844.00	
Jars	5.00			2849.00	
Safety Joint	3.00			2852.00	
Packer	5.00			2857.00	28.00 Bottom Of Top Packer
Packer	5.00			2862.00	
Stubb	1.00			2863.00	
Recorder	0.00	6769	Inside	2863.00	
Recorder	0.00	8017	Inside	2863.00	
Perforations	5.00			2868.00	
Change Over Sub	1.00			2869.00	
Drill Pipe	32.00			2901.00	
Change Over Sub	1.00			2902.00	
Perforations	22.00			2924.00	
Bullnose	3.00			2927.00	65.00 Bottom Packers & Anchor

Total Tool Length: 93.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Gilbert & Stewart Operating

Lincoln #3

1801 Broadway STE. 450
Denver CO. 80202

21 19s 9w Rice KS

Job Ticket: 35140

DST#: 1

ATTN: Derek Patterson

Test Start: 2009.12.19 @ 23:20:32

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 43.00 sec/qt

Water Loss: 9.94 in³

Resistivity: ohm.m

Salinity: 9000.00 ppm

Filter Cake: 0.02 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud	0.073

Total Length: 10.00 ft

Total Volume: 0.073 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

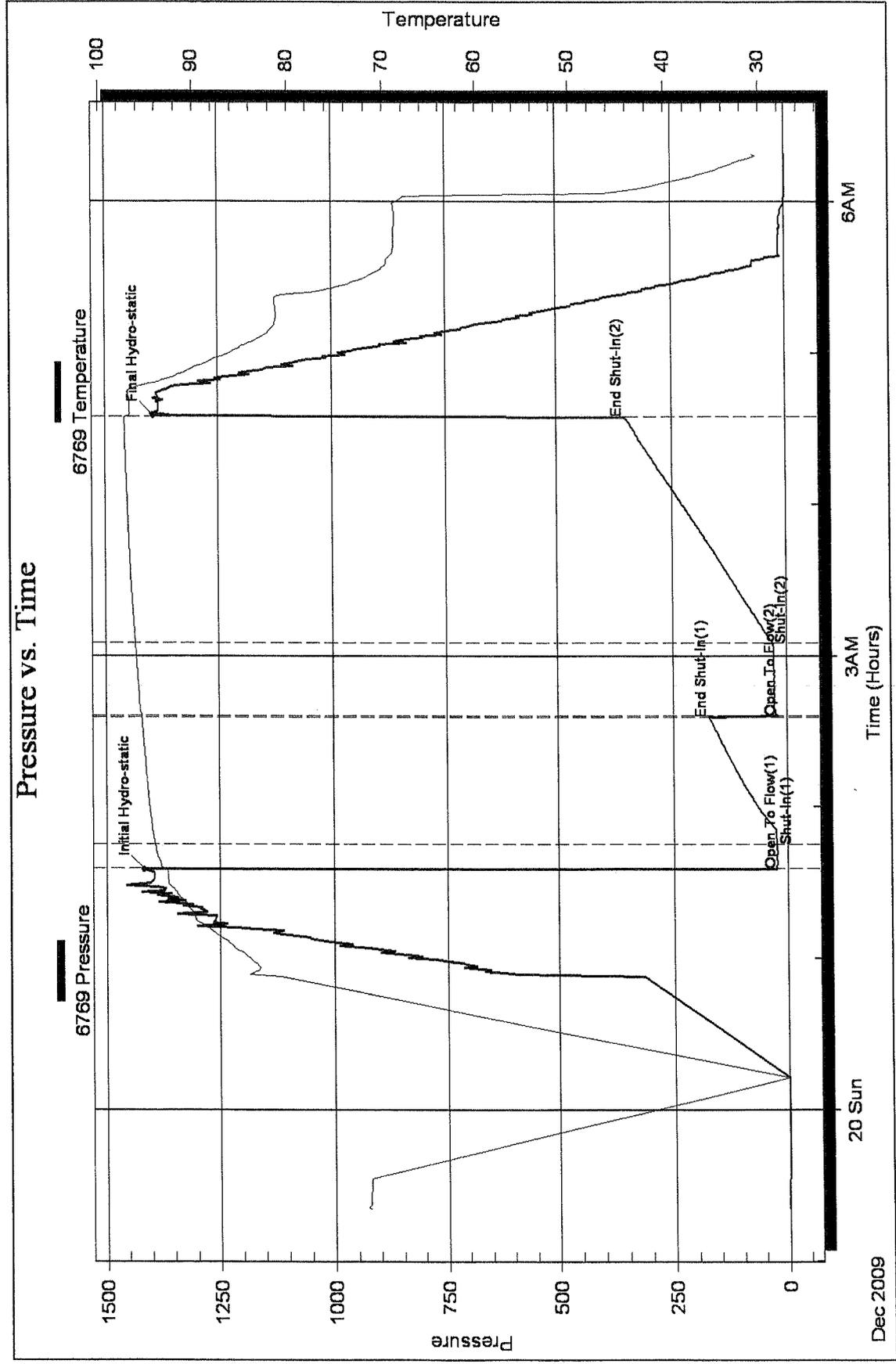
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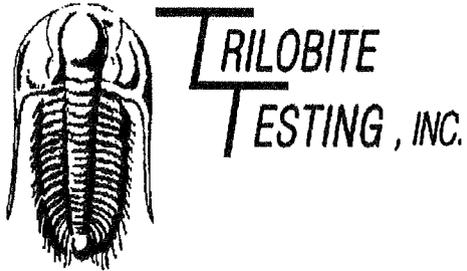
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Gilbert & Stewart Operating**

1801 Broadway STE. 450
Denver CO. 80202

ATTN: Derek Patterson

21 19s 9w Rice KS

Lincoln #3

Start Date: 2009.12.21 @ 06:28:12

End Date: 2009.12.21 @ 11:24:21

Job Ticket #: 35141 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Gilbert & Stewart Operating

Lincoln #3

21 19s 9w Rice KS

DST # 2

Arbuckle

2009.12.21



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Gilbert & Stewart Operating

Lincoln #3

1801 Broadway STE. 450
Denver CO. 80202

21 19s 9w Rice KS

Job Ticket: 35141

DST#: 2

ATTN: Derek Patterson

Test Start: 2009.12.21 @ 06:28:12

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:14:42

Time Test Ended: 11:24:21

Test Type: Conventional Bottom Hole

Tester: Kevin Taylor

Unit No: 31

Interval: **3150.00 ft (KB) To 3233.00 ft (KB) (TVD)**

Reference Elevations: 1714.00 ft (KB)

Total Depth: 3233.00 ft (KB) (TVD)

1710.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 4.00 ft

Serial #: 8017 Inside

Press@RunDepth: 22.93 psig @ 3151.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2009.12.21

End Date: 2009.12.21

Last Calib.: 2009.12.21

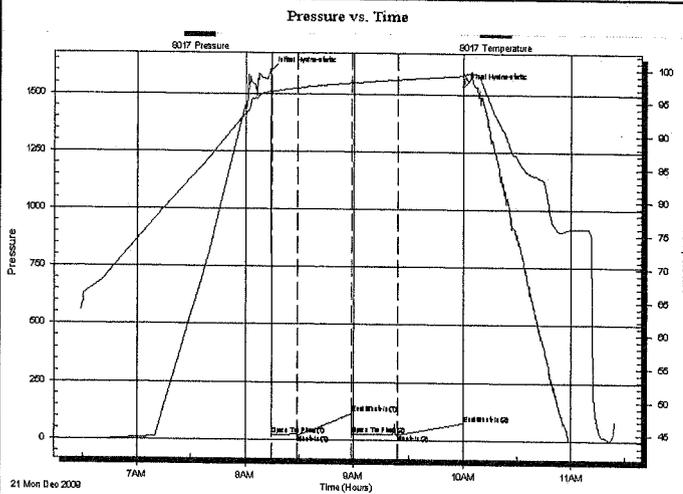
Start Time: 06:28:17

End Time: 11:24:22

Time On Btm: 2009.12.21 @ 08:14:32

Time Off Btm: 2009.12.21 @ 10:00:12

TEST COMMENT: I.F. Weak Blow 1/2" Died In 12 Min
I.S.I. No Blow
F.F. No Blow Flushed Tool No Blow
F.S.I. No Blow



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1598.58	96.72	Initial Hydro-static
1	20.39	96.03	Open To Flow (1)
15	22.25	97.10	Shut-In(1)
45	113.94	97.90	End Shut-In(1)
45	22.55	97.87	Open To Flow (2)
70	22.93	98.41	Shut-In(2)
106	75.67	99.05	End Shut-In(2)
106	1533.06	99.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud	0.04

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Gilbert & Stewart Operating

Lincoln #3

1801 Broadway STE. 450
Denver CO. 80202

21 19s 9w Rice KS

Job Ticket: 35141

DST#: 2

ATTN: Derek Patterson

Test Start: 2009.12.21 @ 06:28:12

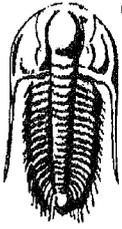
Tool Information

Drill Pipe:	Length: 3115.00 ft	Diameter: 3.88 inches	Volume: 45.55 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: 30000.00 lb
Drill Collar:	Length: 29.00 ft	Diameter: 2.75 inches	Volume: 0.21 bbl	Weight to Pull Loose: 50000.00 lb
			Total Volume: 45.76 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3150.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	83.00 ft			
Tool Length:	111.00 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			3127.00	
Hydraulic tool	5.00			3132.00	
Jars	5.00			3137.00	
Safety Joint	3.00			3140.00	
Packer	5.00			3145.00	28.00 Bottom Of Top Packer
Packer	5.00			3150.00	
Stubb	1.00			3151.00	
Recorder	0.00	6769	Inside	3151.00	
Recorder	0.00	8017	Inside	3151.00	
Perforations	5.00			3156.00	
Change Over Sub	1.00			3157.00	
Drill Pipe	62.00			3219.00	
Change Over Sub	1.00			3220.00	
Perforations	10.00			3230.00	
Bullnose	3.00			3233.00	83.00 Bottom Packers & Anchor

Total Tool Length: 111.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Gilbert & Stewart Operating

Lincoln #3

1801 Broadway STE. 450
Denver CO. 80202

21 19s 9w Rice KS

Job Ticket: 35141

DST#: 2

ATTN: Derek Patterson

Test Start: 2009.12.21 @ 06:28:12

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: 45.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.93 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud	0.037

Total Length:

5.00 ft

Total Volume:

0.037 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

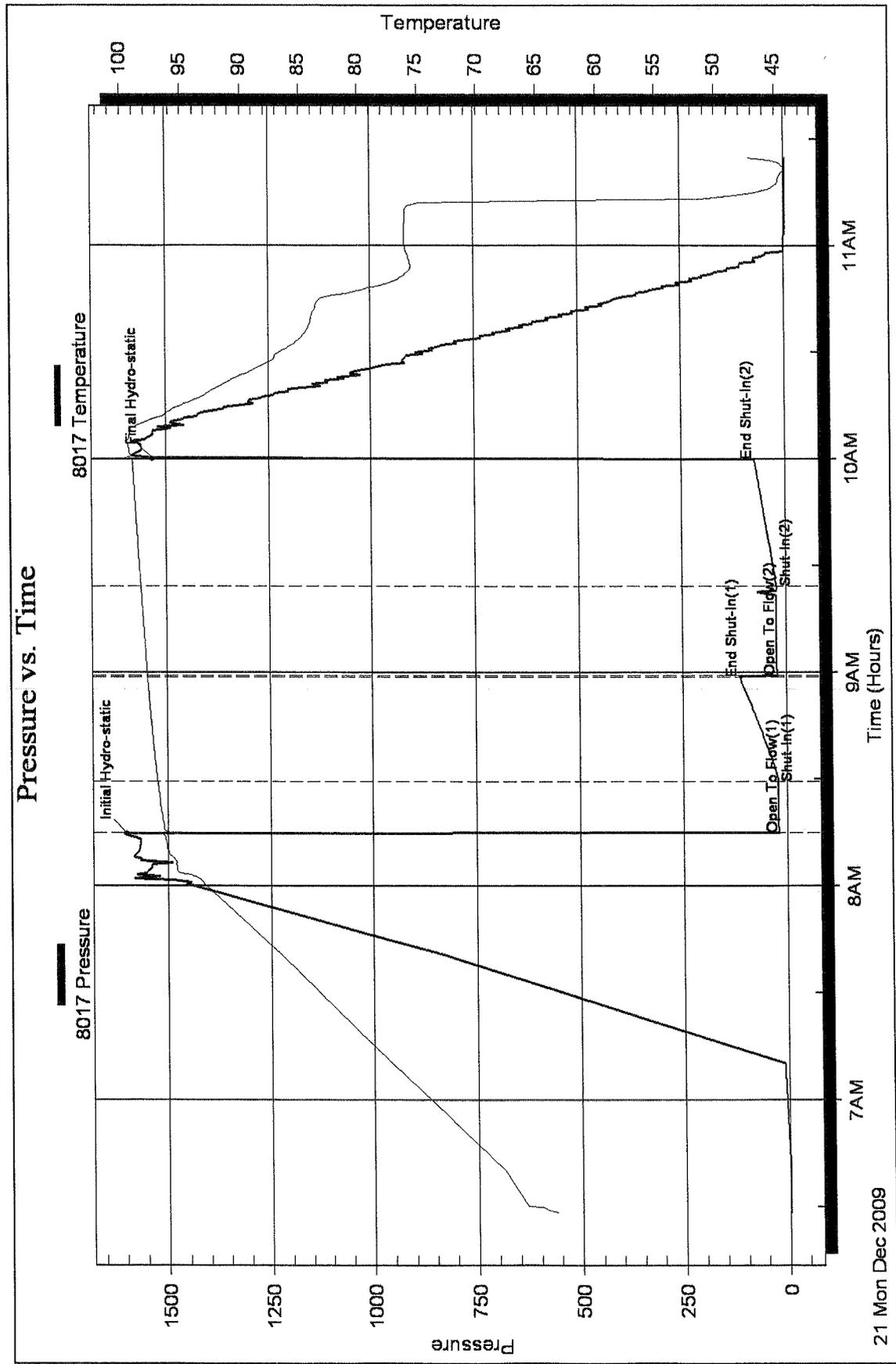
Serial #:

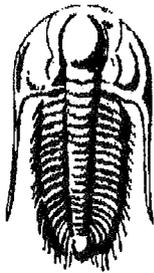
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Gilbert & Stewart Operating**

1801 Broadway STE. 450
Denver CO. 80202

ATTN: Derek Patterson

21 19s 9w Rice KS

Lincoln #3

Start Date: 2009.12.21 @ 16:11:17

End Date: 2009.12.21 @ 21:44:26

Job Ticket #: 35142 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Gilbert & Stewart Operating

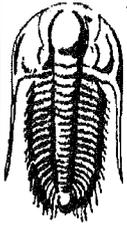
Lincoln #3

21 19s 9w Rice KS

DST # 3

Arbuckle

2009.12.21



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Gilbert & Stewart Operating

Lincoln #3

1801 Broadway STE. 450
Denver CO. 80202

21 19s 9w Rice KS

Job Ticket: 35142

DST#: 3

ATTN: Derek Patterson

Test Start: 2009.12.21 @ 16:11:17

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:12:27

Time Test Ended: 21:44:26

Test Type: Conventional Bottom Hole

Tester: Kevin Taylor

Unit No: 31

Interval: **3230.00 ft (KB) To 3240.00 ft (KB) (TVD)**

Total Depth: 3240.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1714.00 ft (KB)

1710.00 ft (CF)

KB to GR/CF: 4.00 ft

Serial #: 8017

Inside

Press@RunDepth: 28.38 psig @ 3231.00 ft (KB)

Start Date: 2009.12.21

End Date:

2009.12.21

Capacity: 8000.00 psig

Last Calib.: 2009.12.21

Start Time: 16:11:22

End Time:

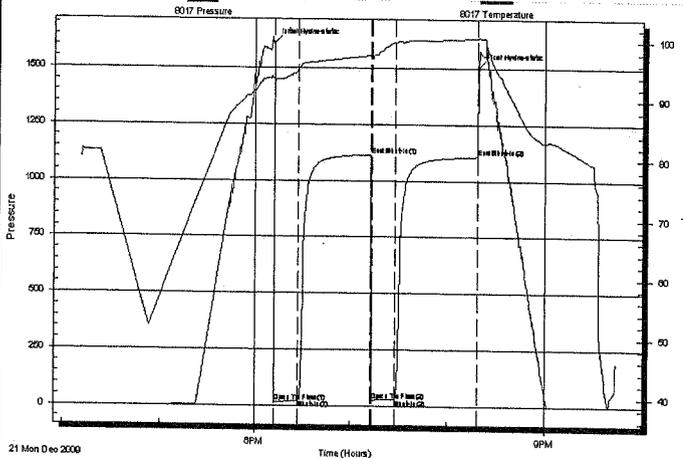
21:44:27

Time On Btm: 2009.12.21 @ 18:12:17

Time Off Btm: 2009.12.21 @ 20:18:57

TEST COMMENT: I.F. Weak Blow Built 1 3/4" In 15 Min
I.S.I. Bled Off 5 Min No Blow
F.F. Weak Blow Built To 1" In 15 Min
F.S.I. Bled Off 5 Min No Blow

Pressure vs. Time



PRESSURE SUMMARY

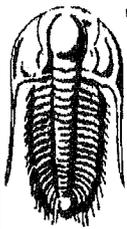
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1610.53	93.61	Initial Hydro-static
1	14.92	92.78	Open To Flow (1)
16	22.94	95.28	Shut-In(1)
60	1113.89	97.63	End Shut-In(1)
61	25.18	97.22	Open To Flow(2)
75	28.38	99.88	Shut-In(2)
127	1106.68	100.59	End Shut-In(2)
127	1501.86	100.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	CLN OIL	0.02
8.00	SOCM 2%O 98%M	0.06

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Gilbert & Stewart Operating

Lincoln #3

1801 Broadway STE. 450
Denver CO. 80202

21 19s 9w Rice KS

Job Ticket: 35142

DST#: 3

ATTN: Derek Patterson

Test Start: 2009.12.21 @ 16:11:17

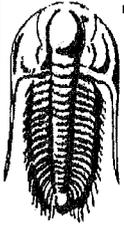
Tool Information

Drill Pipe:	Length: 3178.00 ft	Diameter: 3.88 inches	Volume: 46.48 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: 30000.00 lb
Drill Collar:	Length: 29.00 ft	Diameter: 2.75 inches	Volume: 0.21 bbl	Weight to Pull Loose: 45000.00 lb
		Total Volume:	46.69 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3230.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	38.00 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			3207.00	
Hydraulic tool	5.00			3212.00	
Jars	5.00			3217.00	
Safety Joint	3.00			3220.00	
Packer	5.00			3225.00	28.00 Bottom Of Top Packer
Packer	5.00			3230.00	
Stubb	1.00			3231.00	
Recorder	0.00	6769	Inside	3231.00	
Recorder	0.00	8017	Inside	3231.00	
Perforations	6.00			3237.00	
Perforations	3.00			3240.00	10.00 Bottom Packers & Anchor

Total Tool Length: 38.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Gilbert & Stewart Operating

Lincoln #3

1801 Broadway STE. 450
Denver CO. 80202

21 19s 9w Rice KS

Job Ticket: 35142

DST#: 3

ATTN: Derek Patterson

Test Start: 2009.12.21 @ 16:11:17

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 49.00 sec/qt

Water Loss: 9.93 in³

Resistivity: ohm.m

Salinity: 8400.00 ppm

Filter Cake: 0.02 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	CLN Oil	0.022
8.00	SOCM 2%O 98%M	0.059

Total Length: 11.00 ft

Total Volume: 0.081 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8017

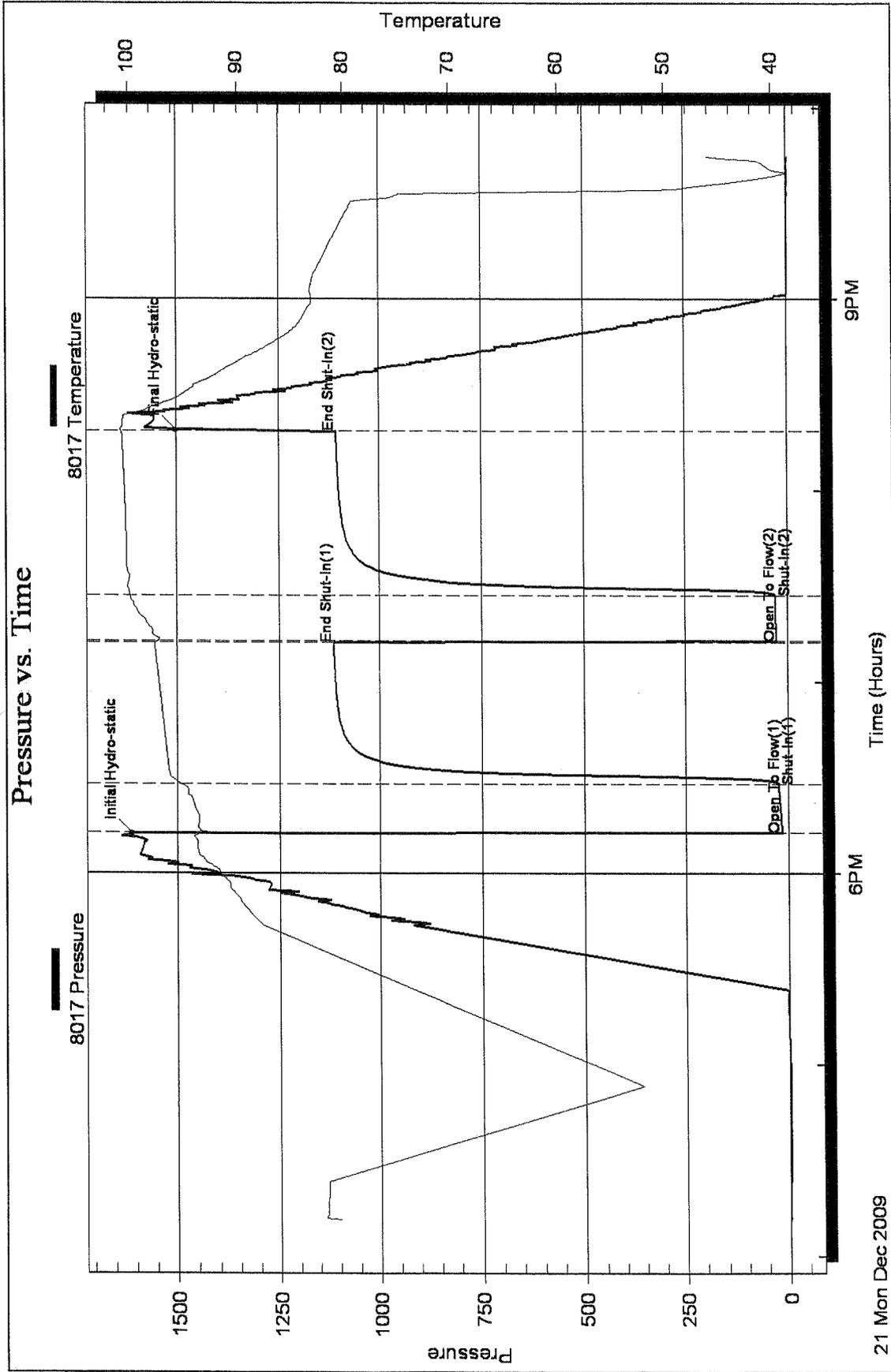
Inside

Gilbert & Stewart Operating

21 19s 9w Rice KS

DST Test Number: 3

Pressure vs. Time

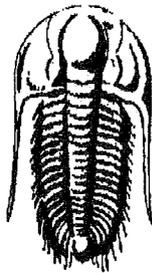


21 Mon Dec 2009

Trilobite Testing, Inc

Ref. No: 35142

Printed: 2009.12.30 @ 20:01:03 Page 5



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Gilbert & Stewart Operating**

1801 Broadway STE. 450
Denver CO. 80202

ATTN: Derek Patterson

21 19s 9w Rice KS

Lincoln #3

Start Date: 2009.12.22 @ 03:37:27

End Date: 2009.12.22 @ 12:17:57

Job Ticket #: 35143 DST #: 4

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Gilbert & Stewart Operating

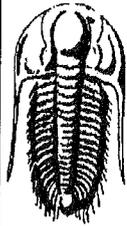
Lincoln #3

21 19s 9w Rice KS

DST # 4

Arbuckle

2009.12.22



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Gilbert & Stewart Operating

Lincoln #3

1801 Broadway STE. 450
Denver CO. 80202

21 19s 9w Rice KS

Job Ticket: 35143

DST#: 4

ATTN: Derek Patterson

Test Start: 2009.12.22 @ 03:37:27

GENERAL INFORMATION:

Formation: **Arbukle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:56:17

Time Test Ended: 12:17:57

Test Type: Conventional Bottom Hole

Tester: Kevin Taylor

Unit No: 31

Interval: 3240.00 ft (KB) To 3254.00 ft (KB) (TVD)

Total Depth: 3254.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1714.00 ft (KB)

1710.00 ft (CF)

KB to GR/CF: 4.00 ft

Serial #: 8017 Inside

Press@RunDepth: 579.13 psig @ 3241.00 ft (KB)

Start Date: 2009.12.22

End Date:

2009.12.22

Capacity: 8000.00 psig

Last Calib.: 2009.12.22

Start Time: 03:37:32

End Time:

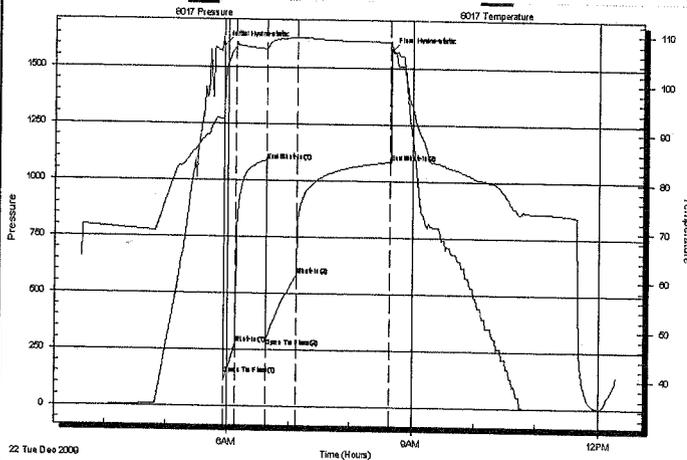
12:17:57

Time On Btm: 2009.12.22 @ 05:55:47

Time Off Btm: 2009.12.22 @ 08:39:26

TEST COMMENT: I.F.Strong Blow B.O.B. 50 Sec
I.S.I. Bled Off 5 Min Fair Blow Built To 3" In 30 min
F.F. Strong Blow B.O.B. 20 Sec
F.S.I. Bled Off 15 Fair Blow Built To 3" In 25 Min

Pressure vs. Time



PRESSURE SUMMARY

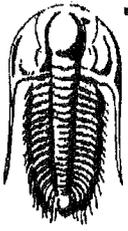
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1598.72	92.67	Initial Hydro-static
1	138.17	93.75	Open To Flow (1)
12	276.14	107.30	Shut-In (1)
42	1085.72	107.01	End Shut-In (1)
42	298.60	106.72	Open To Flow (2)
72	579.13	109.27	Shut-In (2)
164	1085.08	108.57	End Shut-In (2)
164	1578.11	108.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
252.00	CLN GSY WTR	3.47
126.00	SOMCW 2%O 91%W 7%M	1.84
189.00	MWGO 15%G 20%O 35%W 30%M	2.76
189.00	MWGO 15%G 70%O 5%W 10%M	2.76
764.00	CSL GSY OIL 3%G 97%O	11.17

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Gilbert & Stewart Operating

Lincoln #3

1801 Broadway STE. 450
Denver CO. 80202

21 19s 9w Rice KS

Job Ticket: 35143

DST#: 4

ATTN: Derek Patterson

Test Start: 2009.12.22 @ 03:37:27

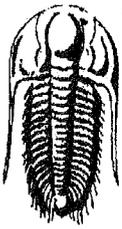
Tool Information

Drill Pipe:	Length: 3210.00 ft	Diameter: 3.88 inches	Volume: 46.94 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: 30000.00 lb
Drill Collar:	Length: 29.00 ft	Diameter: 2.75 inches	Volume: 0.21 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 47.15 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3240.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	14.00 ft			
Tool Length:	42.00 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			3217.00	
Hydraulic tool	5.00			3222.00	
Jars	5.00			3227.00	
Safety Joint	3.00			3230.00	
Packer	5.00			3235.00	28.00 Bottom Of Top Packer
Packer	5.00			3240.00	
Stubb	1.00			3241.00	
Recorder	0.00	6769	Inside	3241.00	
Recorder	0.00	8017	Inside	3241.00	
Perforations	10.00			3251.00	
Bullnose	3.00			3254.00	14.00 Bottom Packers & Anchor

Total Tool Length: 42.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

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21 19s 9w Rice KS

Job Ticket: 35143

DST#: 4

ATTN: Derek Patterson

Test Start: 2009.12.22 @ 03:37:27

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 49.00 sec/qt

Water Loss: 9.92 in³

Resistivity: ohm.m

Salinity: 8400.00 ppm

Filter Cake: 0.02 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
252.00	CLN GSY WTR	3.474
126.00	SOMCW 2%O 91%W 7%M	1.843
189.00	MWGO 15%G 20%O 35%W 30%M	2.764
189.00	MWGO 15%G 70%O 5%W 10%M	2.764
764.00	CSL GSY OIL 3%G 97%O	11.173

Total Length: 1520.00 ft

Total Volume: 22.018 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

