

15-065-23201

21-6s-21w



DRILL STEM TEST REPORT

Prepared For: **Reilly Oil Co**

PO Box 277
Wakeeney KS 67672

ATTN: Dusty Rhoades

21 6S 21W Graham KS

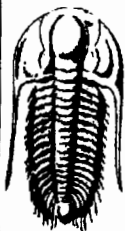
Voss 1-21

Start Date: 2006.07.20 @ 22:28:22

End Date: 2006.07.21 @ 04:04:07

Job Ticket #: 25189 DST #: 1

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Reilly Oil Co

Voss 1-21

PO Box 277
Wakeeney KS 67672

21 6S 21W Graham KS

Job Ticket: 25189

DST#: 1

ATTN: Dusty Rhoades

Test Start: 2006.07.20 @ 22:28:22

GENERAL INFORMATION:

Formation: **Oread**

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

Time Tool Opened: 00:14:07

Time Test Ended: 04:04:07

Test Type: **Conventional Bottom Hole**

Tester: **Brian Fairbank**

Unit No: **24**

Interval: **3430.00 ft (KB) To 3464.00 ft (KB) (TVD)**

Reference Elevations: **2282.00 ft (KB)**

Total Depth: **3464.00 ft (KB) (TVD)**

2277.00 ft (CF)

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

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

Serial #: **6769**

Inside

Press@RunDepth: **46.69 psig @ 3436.01 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2006.07.20**

End Date:

2006.07.21

Last Calib.:

2006.07.21

Start Time: **22:28:24**

End Time:

04:04:07

Time On Btmr

2006.07.21 @ 00:13:52

Time Off Btmr

2006.07.21 @ 02:43:07

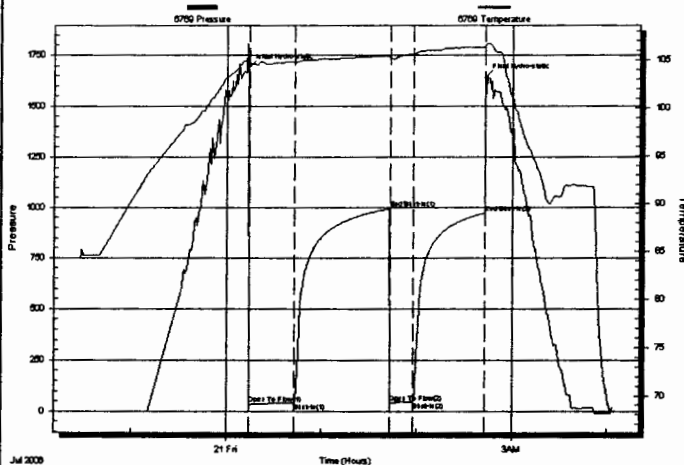
TEST COMMENT: **IF Weak blow throughout sur - 1"**

ISI No blow back

FFP No blow

FSI No blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1689.81	105.08	Initial Hydro-static
1	34.41	104.63	Open To Flow (1)
29	42.48	104.75	Shut-In (1)
89	993.29	105.42	End Shut-In (1)
90	42.02	105.18	Open To Flow (2)
104	46.69	105.58	Shut-In (2)
149	971.96	106.24	End Shut-In (2)
150	1639.19	106.46	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	Mw / SPT O 100% M	0.25

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Reilly Oil Co

Voss 1-21

PO Box 277
Wakeeney KS 67672

21 6S 21W Graham KS

Job Ticket: 25189

DST#: 1

ATTN: Dusty Rhoades

Test Start: 2006.07.20 @ 22:28:22

Tool Information

Drill Pipe:	Length: 3304.00 ft	Diameter: 3.80 inches	Volume: 46.35 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:	25000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	50000.00 lb
			Total Volume: 46.95 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial	42000.00 lb
Depth to Top Packer:	3430.00 ft			Final	42000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	34.02 ft				
Tool Length:	54.02 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			3415.00	
Hydraulic tool	5.00			3420.00	
Packer	5.00			3425.00	20.00 Bottom Of Top Packer
Packer	5.00			3430.00	
Stubb	1.00			3431.00	
Perforations	5.00			3436.00	
Recorder	0.01	6769	Inside	3436.01	
Perforations	25.00			3461.01	
Recorder	0.01	13548	Outside	3461.02	
Bullnose	3.00			3464.02	34.02 Bottom Packers & Anchor
Total Tool Length:	54.02				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Reilly Oil Co

Voss 1-21

PO Box 277

21 6S 21W Graham KS

Wakeeney KS 67672

Job Ticket: 25189

DST#: 1

ATTN: Dusty Rhoades

Test Start: 2006.07.20 @ 22:28:22

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: 65.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.37 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	Mw / SPT O 100% M	0.246

Total Length: 50.00 ft

Total Volume: 0.246 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

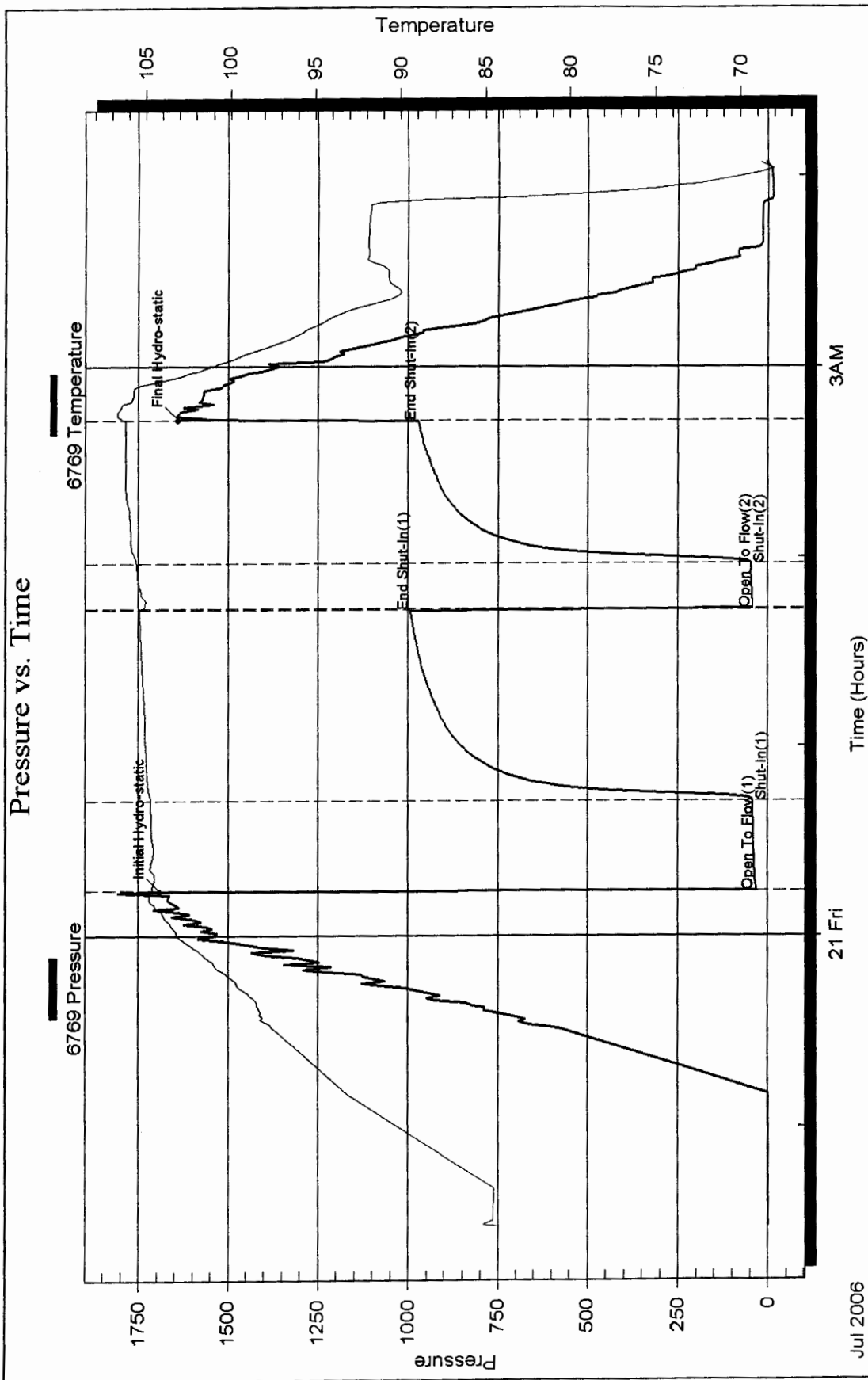
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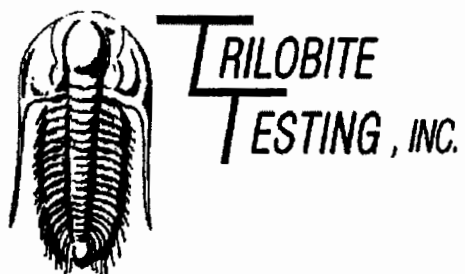
Inside

Reilly Oil Co

21 6S 21W Graham KS

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Reilly Oil Co**

PO Box 277
Wakeeney KS 67672

ATTN: Dusty Rhoades

21 6S 21W Graham KS

Voss 1-21

Start Date: 2006.07.21 @ 12:25:49

End Date: 2006.07.21 @ 16:23:19

Job Ticket #: 25190 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Reilly Oil Co

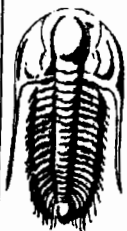
Voss 1-21

21 6S 21W Graham KS

DST # 2

Toronto

2006.07.21



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Reilly Oil Co
PO Box 277
Wakeeney KS 67672
ATTN: Dusty Rhoades

Voss 1-21

21 6S 21W Graham KS

Job Ticket: 25190 DST#: 2

Test Start: 2006.07.21 @ 12:25:49

GENERAL INFORMATION:

Formation: **Toronto**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: 14:03:19
Time Test Ended: 16:23:19

Test Type: **Conventional Bottom Hole**
Tester: **Michael Armbrister**
Unit No: **24**

Interval: **3485.00 ft (KB) To 3532.00 ft (KB) (TVD)**
Total Depth: **3532.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2282.00 ft (KB)**
2277.00 ft (CF)
KB to GR/CF: **5.00 ft**

Serial #: **6769** Inside

Press@RunDepth: **45.70 psig @ 3492.01 ft (KB)**

Start Date: **2006.07.21** End Date: **2006.07.21**

Start Time: **12:25:51** End Time: **16:23:19**

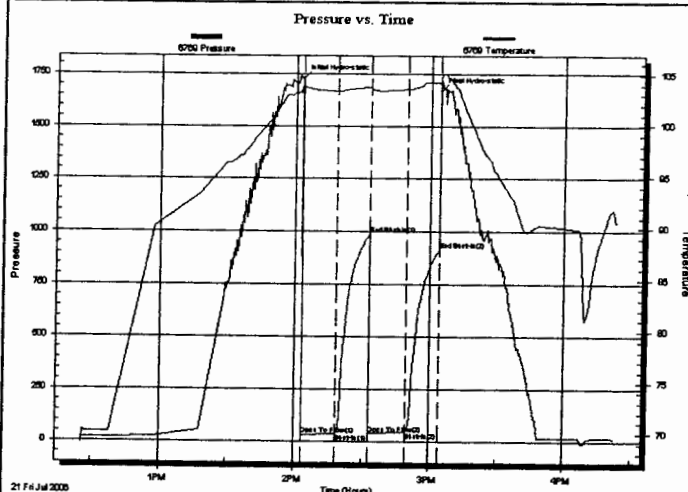
Capacity: **7000.00 psig**

Last Calib.: **2006.07.21**

Time On Btm: **2006.07.21 @ 14:03:04**

Time Off Btm: **2006.07.21 @ 15:04:19**

TEST COMMENT: **IF Weak surface blow died 6 m**
ISI No blow
FF Weak surface blow after 8 m
FSI No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1728.66	104.03	Initial Hydro-static
1	30.86	103.44	Open To Flow (1)
16	37.44	103.39	Shut-In(1)
30	985.69	103.79	End Shut-In(1)
31	38.28	103.34	Open To Flow (2)
47	45.70	103.58	Shut-In(2)
61	912.33	104.29	End Shut-In(2)
62	1669.00	104.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	DM	0.02

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Reilly Oil Co

Voss 1-21

PO Box 277
Wakeeney KS 67672

21 6S 21W Graham KS

Job Ticket: 25190

DST#: 2

ATTN: Dusty Rhoades

Test Start: 2006.07.21 @ 12:25:49

Tool Information

Drill Pipe:	Length: 3365.00 ft	Diameter: 3.80 inches	Volume: 47.20 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: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 50000.00 lb
		Total Volume: 47.80 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3485.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	47.02 ft			
Tool Length:	67.02 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			3470.00	
Hydraulic tool	5.00			3475.00	
Packer	5.00			3480.00	20.00 Bottom Of Top Packer
Packer	5.00			3485.00	
Stubb	1.00			3486.00	
Perforations	6.00			3492.00	
Recorder	0.01	6769	Inside	3492.01	
Change Over Sub	1.00			3493.01	
Blank Spacing	30.00			3523.01	
Bullnose	1.00			3524.01	
Perforations	5.00			3529.01	
Recorder	0.01	13548	Outside	3529.02	
Bullnose	3.00			3532.02	47.02 Bottom Packers & Anchor

Total Tool Length: 67.02



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Reilly Oil Co

Voss 1-21

PO Box 277
Wakeeney KS 67672

21 6S 21W Graham KS

Job Ticket: 25190

DST#: 2

ATTN: Dusty Rhoades

Test Start: 2006.07.21 @ 12:25:49

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: 65.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.36 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	DM	0.025

Total Length:

5.00 ft

Total Volume:

0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

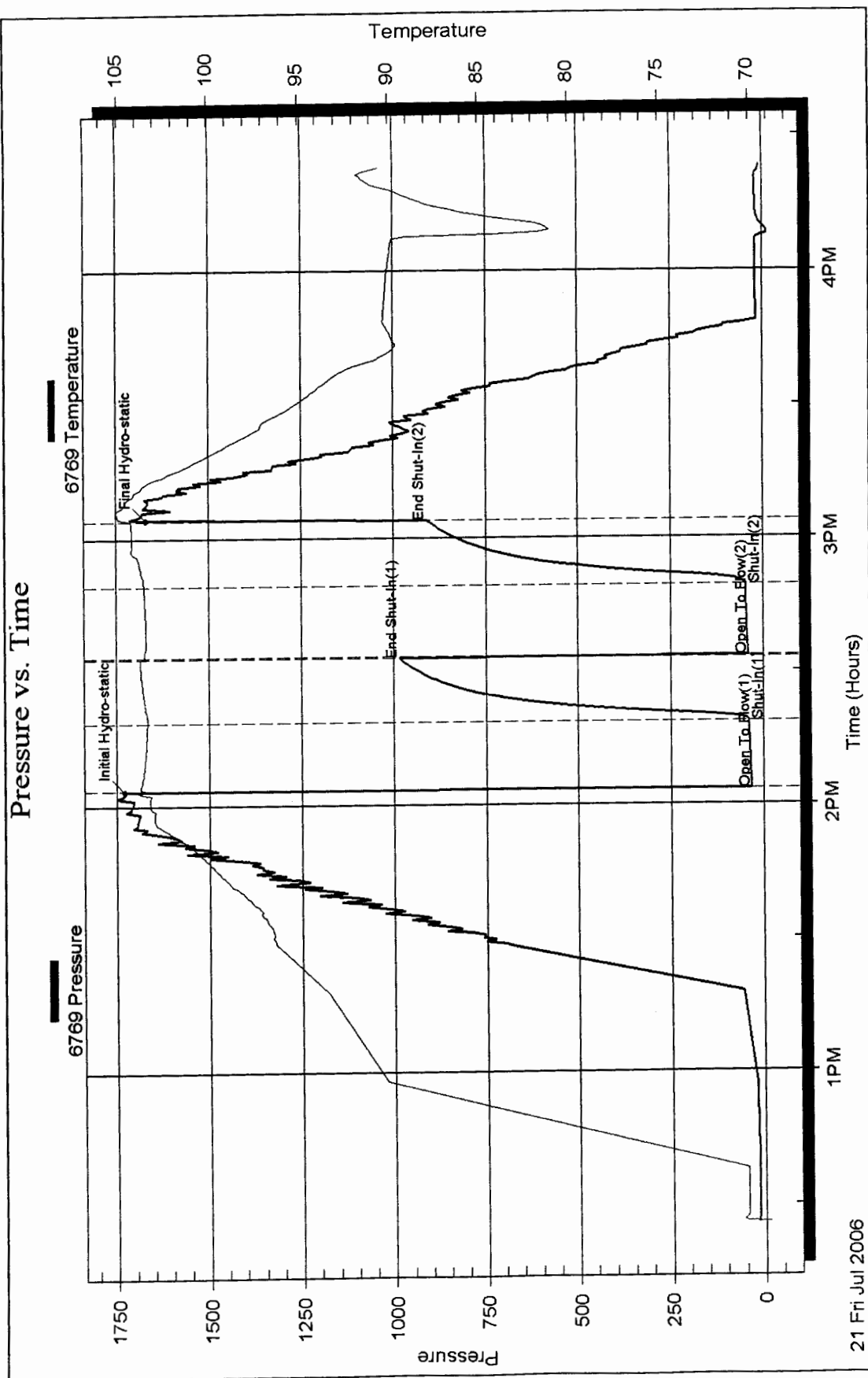
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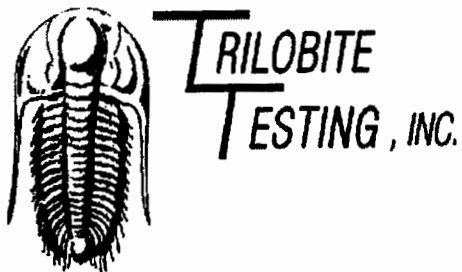
21 6S 21W Graham KS

Inside Reilly Oil Co

Serial #: 6769

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Reilly Oil Co**
PO Box 277
Wakeeney KS 67672

ATTN: Dusty Rhoades

21 6S 21W Graham KS

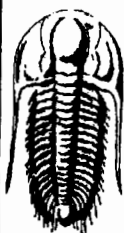
Voss 1-21

Start Date: 2006.07.22 @ 01:10:36

End Date: 2006.07.22 @ 08:12:36

Job Ticket #: 25191 DST #: 3

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Reilly Oil Co

PO Box 277
Wakeeney KS 67672

ATTN: Dusty Rhoades

Voss 1-21

21 6S 21W Graham KS

Job Ticket: 25191

DST#: 3

Test Start: 2006.07.22 @ 01:10:36

GENERAL INFORMATION:

Formation: LKC - C - D

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:52:36

Time Test Ended: 08:12:36

Test Type: Conventional Bottom Hole

Tester: Michael Armbrister

Unit No: 24

Interval: 3550.00 ft (KB) To 3597.00 ft (KB) (TVD)

Total Depth: 3597.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2282.00 ft (KB)

2277.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6769

Inside

Press@RunDepth: 636.31 psig @ 3556.01 ft (KB)

Start Date: 2006.07.22

End Date:

2006.07.22

Capacity: 7000.00 psig

Last Calib.: 2006.07.22

Start Time: 01:10:38

End Time:

08:12:36

Time On Btm: 2006.07.22 @ 02:52:21

Time Off Btm: 2006.07.22 @ 05:53:06

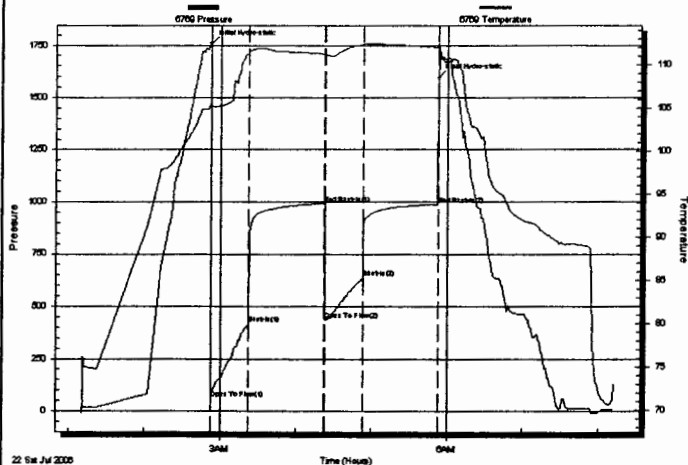
TEST COMMENT: F B of B 3 m

ISI No blow

FF B of B 4 m

FSI No Blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1757.47	105.60	Initial Hydro-static
1	58.30	105.20	Open To Flow (1)
31	416.03	111.40	Shut-In (1)
91	991.13	111.32	End Shut-In (1)
92	434.02	111.06	Open To Flow (2)
121	636.31	112.38	Shut-In (2)
181	988.25	112.08	End Shut-In (2)
181	1595.24	112.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1000.00	Salt water 40,000 Chlorides	12.93
300.00	MCW	4.21

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Reilly Oil Co

Voss 1-21

PO Box 277
Wakeeney KS 67672

21 6S 21W Graham KS

ATTN: Dusty Rhoades

Job Ticket: 25191

DST#: 3

Test Start: 2006.07.22 @ 01:10:36

Tool Information

Drill Pipe:	Length: 3427.00 ft	Diameter: 3.80 inches	Volume: 48.07 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: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	70000.00 lb
		Total Volume:	48.67 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial	47000.00 lb
Depth to Top Packer:	3550.00 ft			Final	50000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	47.02 ft				
Tool Length:	67.02 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			3535.00	
Hydraulic tool	5.00			3540.00	
Packer	5.00			3545.00	20.00 Bottom Of Top Packer
Packer	5.00			3550.00	
Stubb	1.00			3551.00	
Perforations	5.00			3556.00	
Recorder	0.01	6769	Inside	3556.01	
Change Over Sub	1.00			3557.01	
Blank Spacing	31.00			3588.01	
Bullnose	1.00			3589.01	
Perforations	5.00			3594.01	
Recorder	0.01	13548	Outside	3594.02	
Bullnose	3.00			3597.02	47.02 Bottom Packers & Anchor

Total Tool Length: 67.02



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Reilly Oil Co
PO Box 277
Wakeeney KS 67672
ATTN: Dusty Rhoades

Voss 1-21
21 6S 21W Graham KS
Job Ticket: 25191 **DST#: 3**
Test Start: 2006.07.22 @ 01:10:36

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 55.00 sec/qt
Water Loss: 6.37 in³
Resistivity: ohm.m
Salinity: 1100.00 ppm
Filter Cake: inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1000.00	Salt water 40,000 Chlorides	12.925
300.00	MCW	4.208

Total Length: 1300.00 ft Total Volume: bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

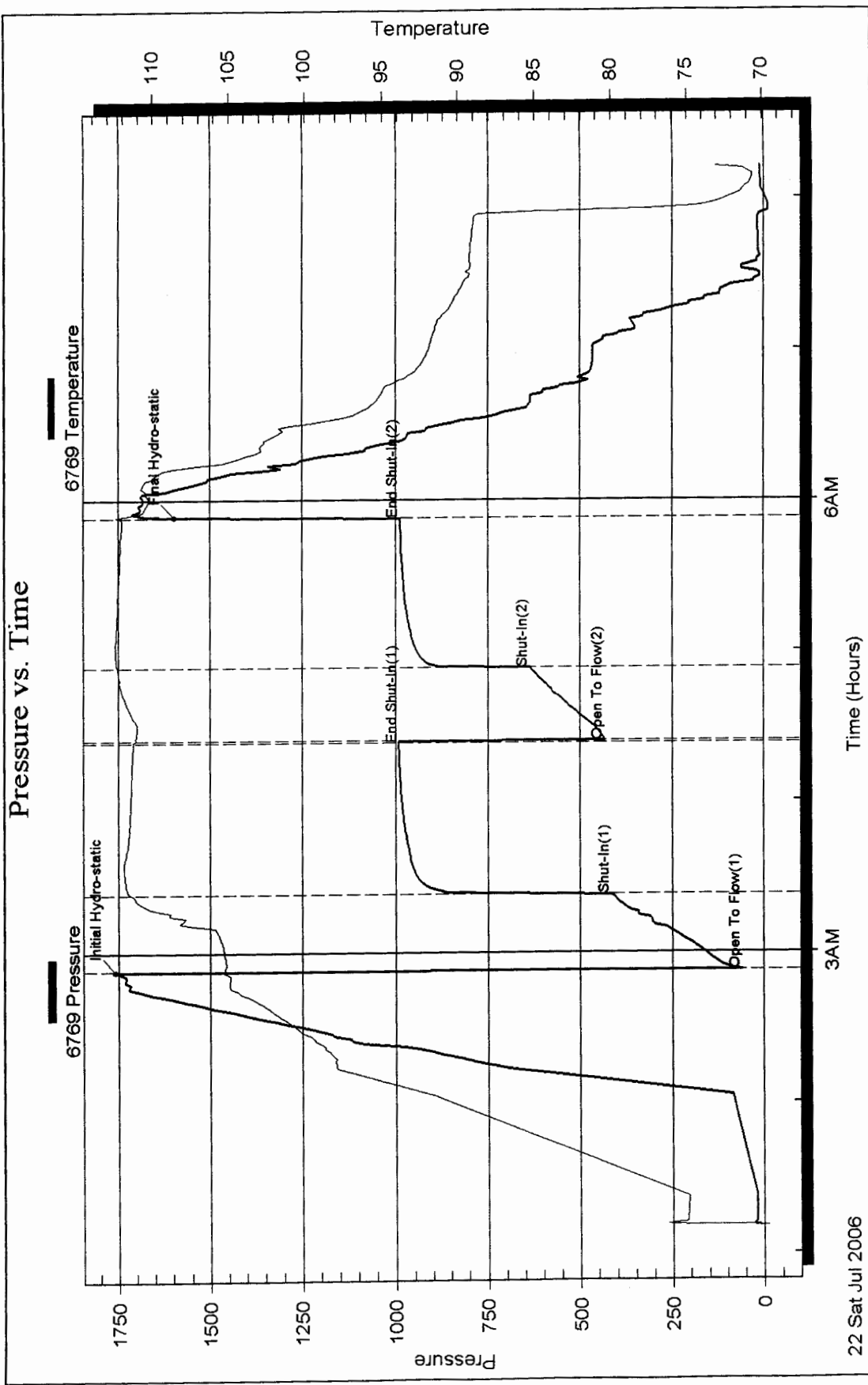
DST Test Number: 3

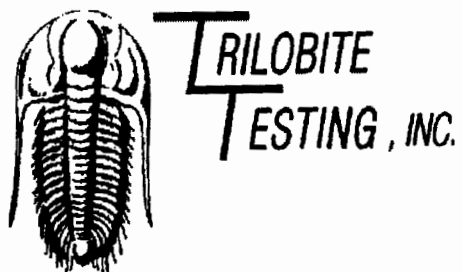
21 6S 21W Graham KS

Reilly Oil Co

Inside

Serial #: 6769





DRILL STEM TEST REPORT

Prepared For: **Reilly Oil Co**

PO Box 277
Wakeeney KS 67672

ATTN: Dusty Rhoades

21 6S 21W Graham KS

Voss 1-21

Start Date: 2006.07.22 @ 14:40:34

End Date: 2006.07.22 @ 20:56:49

Job Ticket #: 25192 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Reilly Oil Co

Voss 1-21

21 6S 21W Graham KS

DST # 4

LKC F

2006.07.22



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Reilly Oil Co

Voss 1-21

PO Box 277
Wakeeney KS 67672

21 6S 21W Graham KS

Job Ticket: 25192

DST#: 4

ATTN: Dusty Rhoades

Test Start: 2006.07.22 @ 14:40:34

GENERAL INFORMATION:

Formation: **LKC F**

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

Time Tool Opened: 16:04:49

Time Test Ended: 20:56:49

Test Type: Conventional Bottom Hole

Tester: **Michael Armbrister**

Unit No: **24**

Interval: **3603.00 ft (KB) To 3616.00 ft (KB) (TVD)**

Total Depth: **3616.00 ft (KB) (TVD)**

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

Reference Elevations: **2282.00 ft (KB)**

2277.00 ft (CF)

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

Serial #: **6769**

Inside

Press@RunDepth: **498.48 psig @ 3604.01 ft (KB)**

Start Date: **2006.07.22**

End Date:

2006.07.22

Capacity: **7000.00 psig**

Last Calib.: **2006.07.22**

Start Time: **14:40:36**

End Time:

20:56:49

Time On Btm: **2006.07.22 @ 16:04:19**

Time Off Btm: **2006.07.22 @ 19:05:19**

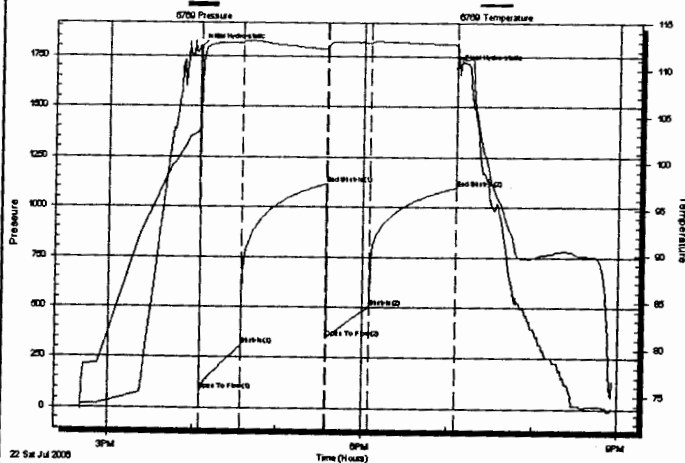
TEST COMMENT: **IF B of B 2 m 30 s**

ISI No blow

FF B of B 3 m

FSI No blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1794.00	103.57	Initial Hydro-static
1	87.21	104.79	Open To Flow (1)
30	309.74	112.93	Shut-In(1)
90	1115.65	112.23	End Shut-In(1)
91	349.67	112.35	Open To Flow (2)
121	498.48	112.93	Shut-In(2)
181	1097.21	112.71	End Shut-In(2)
181	1690.21	112.89	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
800.00	Oil Scum on MW	10.12
200.00	SW 42000 Chlorides	2.81

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Reilly Oil Co

Voss 1-21

PO Box 277
Wakeeney KS 67672

21 6S 21W Graham KS

Job Ticket: 25192

DST#: 4

ATTN: Dusty Rhoades

Test Start: 2006.07.22 @ 14:40:34

Tool Information

Drill Pipe:	Length: 3489.00 ft	Diameter: 3.80 inches	Volume: 48.94 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: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	60000.00 lb
		Total Volume:	49.54 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial	44000.00 lb
Depth to Top Packer:	3603.00 ft			Final	49000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	13.02 ft				
Tool Length:	33.02 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			3588.00	
Hydraulic tool	5.00			3593.00	
Packer	5.00			3598.00	20.00 Bottom Of Top Packer
Packer	5.00			3603.00	
Stubb	1.00			3604.00	
Recorder	0.01	6769	Inside	3604.01	
Perforations	9.00			3613.01	
Recorder	0.01	13548	Outside	3613.02	
Bullnose	3.00			3616.02	13.02 Bottom Packers & Anchor
Total Tool Length:	33.02				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Reilly Oil Co
PO Box 277
Wameeney KS 67672
ATTN: Dusty Rhoades

Voss 1-21
21 6S 21W Graham KS
Job Ticket: 25192 DST#: 4
Test Start: 2006.07.22 @ 14:40:34

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:	65.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.37 in ³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	800.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
800.00	Oil Scum on M W	10.120
200.00	SW 42000 Chlorides	2.805

Total Length: 1000.00 ft Total Volume: bbl
Num Fluid Samples: Num Gas Bombs: Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

DST Test Number: 4

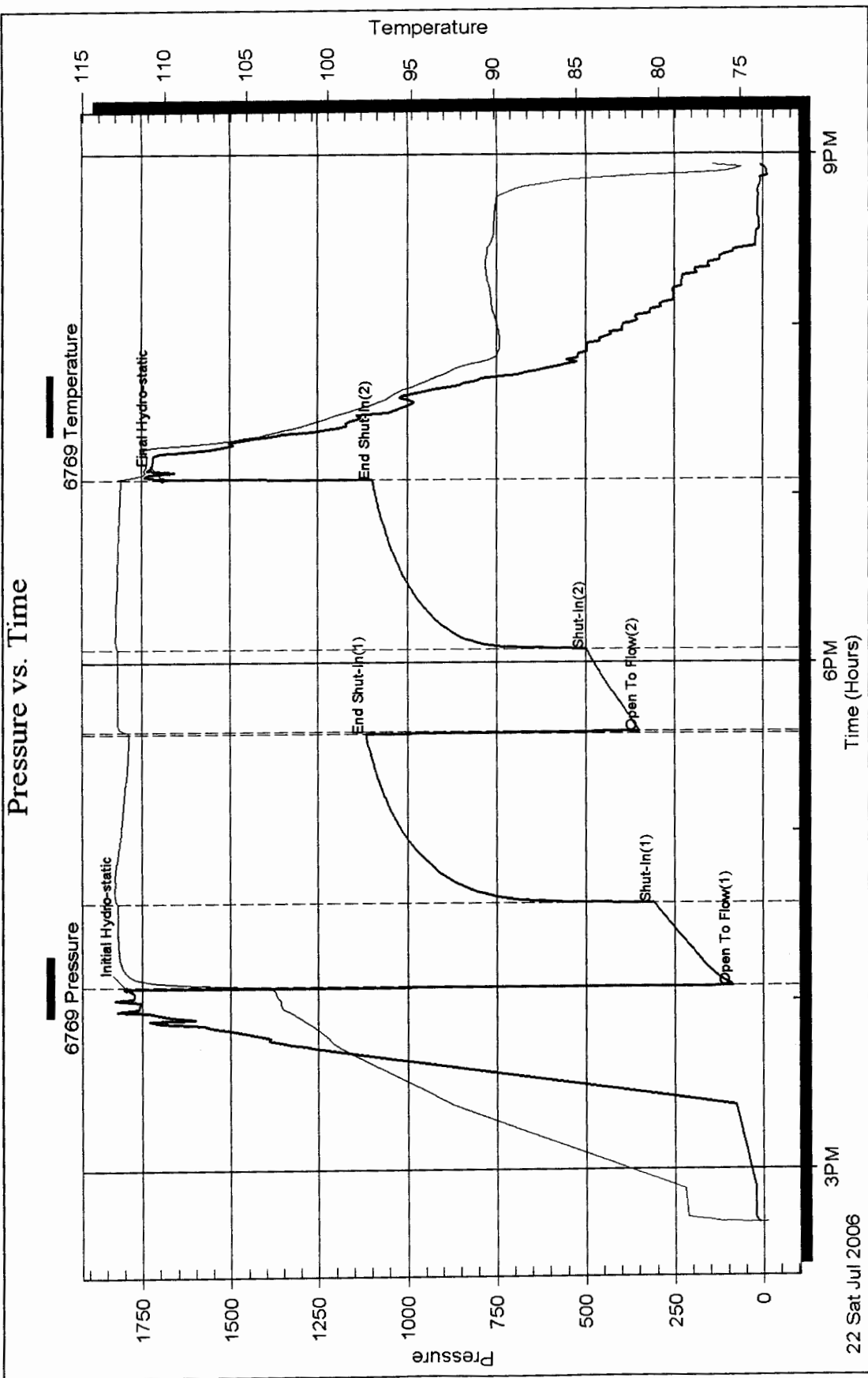
21 6S 21W Graham KS

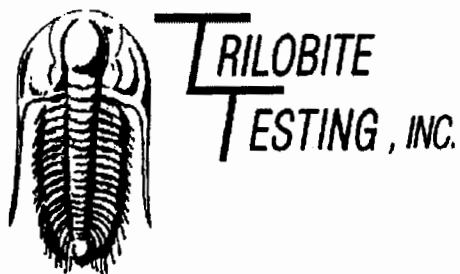
Reilly Oil Co

Inside

Serial #: 6769

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Reilly Oil Co**

PO Box 277
Wakeeney KS 67672

ATTN: Dusty Rhoades

21 6S 21W Graham KS

Voss 1-21

Start Date: 2006.07.23 @ 18:12:52

End Date: 2006.07.23 @ 22:31:52

Job Ticket #: 25193 DST #: 5

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Reilly Oil Co
PO Box 277
Wakeeney KS 67672
ATTN: Dusty Rhoades

Voss 1-21
21 6S 21W Graham KS
Job Ticket: 25193 **DST#: 5**
Test Start: 2006.07.23 @ 18:12:52

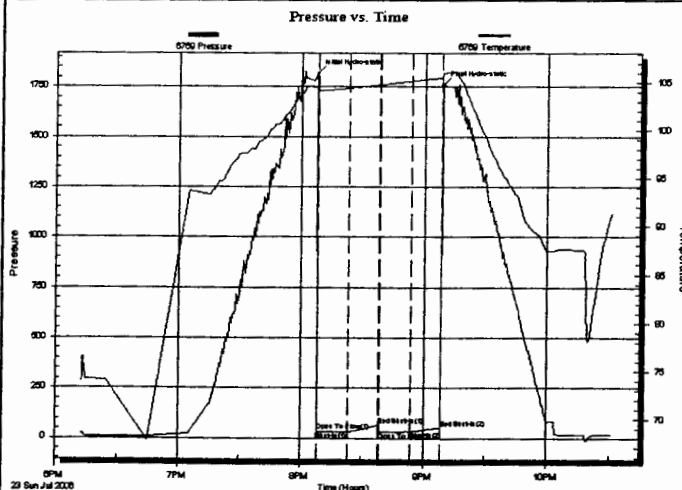
GENERAL INFORMATION:

Formation: **LKC H-I**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: 20:08:22
Time Test Ended: 22:31:52
Interval: **3630.00 ft (KB) To 3685.00 ft (KB) (TVD)**
Total Depth: **3685.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**

Test Type: **Conventional Bottom Hole**
Tester: **Michael Armbrister**
Unit No: **24**
Reference Elevations: **2282.00 ft (KB)**
2277.00 ft (CF)
KB to GR/CF: **5.00 ft**

Serial #: 6769 **Inside**
Press@RunDepth: **33.57 psig @ 3635.01 ft (KB)**
Start Date: **2006.07.23** End Date: **2006.07.23** Capacity: **7000.00 psig**
Start Time: **18:12:54** End Time: **22:31:52** Last Calib.: **2006.07.23**
Time On Btm: **2006.07.23 @ 20:08:07**
Time Off Btm: **2006.07.23 @ 21:08:37**

TEST COMMENT: IF Weak surface blow died after 7 min
ISI No blow
FF No blow
FSI No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1817.06	104.54	Initial Hydro-static
1	33.61	104.07	Open To Flow (1)
16	31.96	104.39	Shut-In(1)
30	66.08	104.76	End Shut-In(1)
31	32.41	104.76	Open To Flow (2)
46	33.57	105.14	Shut-In(2)
61	52.89	105.48	End Shut-In(2)
61	1759.91	105.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	Oil spotted Drilling mud	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Reilly Oil Co

Voss 1-21

PO Box 277
Wakeeney KS 67672

21 6S 21W Graham KS

Job Ticket: 25193

DST#: 5

ATTN: Dusty Rhoades

Test Start: 2006.07.23 @ 18:12:52

Tool Information

Drill Pipe:	Length: 3521.00 ft	Diameter: 3.80 inches	Volume: 49.39 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: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	60000.00 lb
			Total Volume: 49.99 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial	47000.00 lb
Depth to Top Packer:	3630.00 ft			Final	47000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	55.02 ft				
Tool Length:	75.02 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			3615.00	
Hydraulic tool	5.00			3620.00	
Packer	5.00			3625.00	20.00 Bottom Of Top Packer
Packer	5.00			3630.00	
Stubb	1.00			3631.00	
Perforations	4.00			3635.00	
Recorder	0.01	6769	Inside	3635.01	
Change Over Sub	1.00			3636.01	
Blank Spacing	30.00			3666.01	
Bullnose	1.00			3667.01	
Perforations	15.00			3682.01	
Recorder	0.01	13548	Outside	3682.02	
Bullnose	3.00			3685.02	55.02 Bottom Packers & Anchor

Total Tool Length: 75.02



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Reilly Oil Co

Voss 1-21

PO Box 277
Wakeeney KS 67672

21 6S 21W Graham KS

Job Ticket: 25193

DST#: 5

ATTN: Dusty Rhoades

Test Start: 2006.07.23 @ 18:12:52

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: 55.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.37 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	Oil spotted Drilling mud	0.005

Total Length: 1.00 ft

Total Volume: 0.005 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

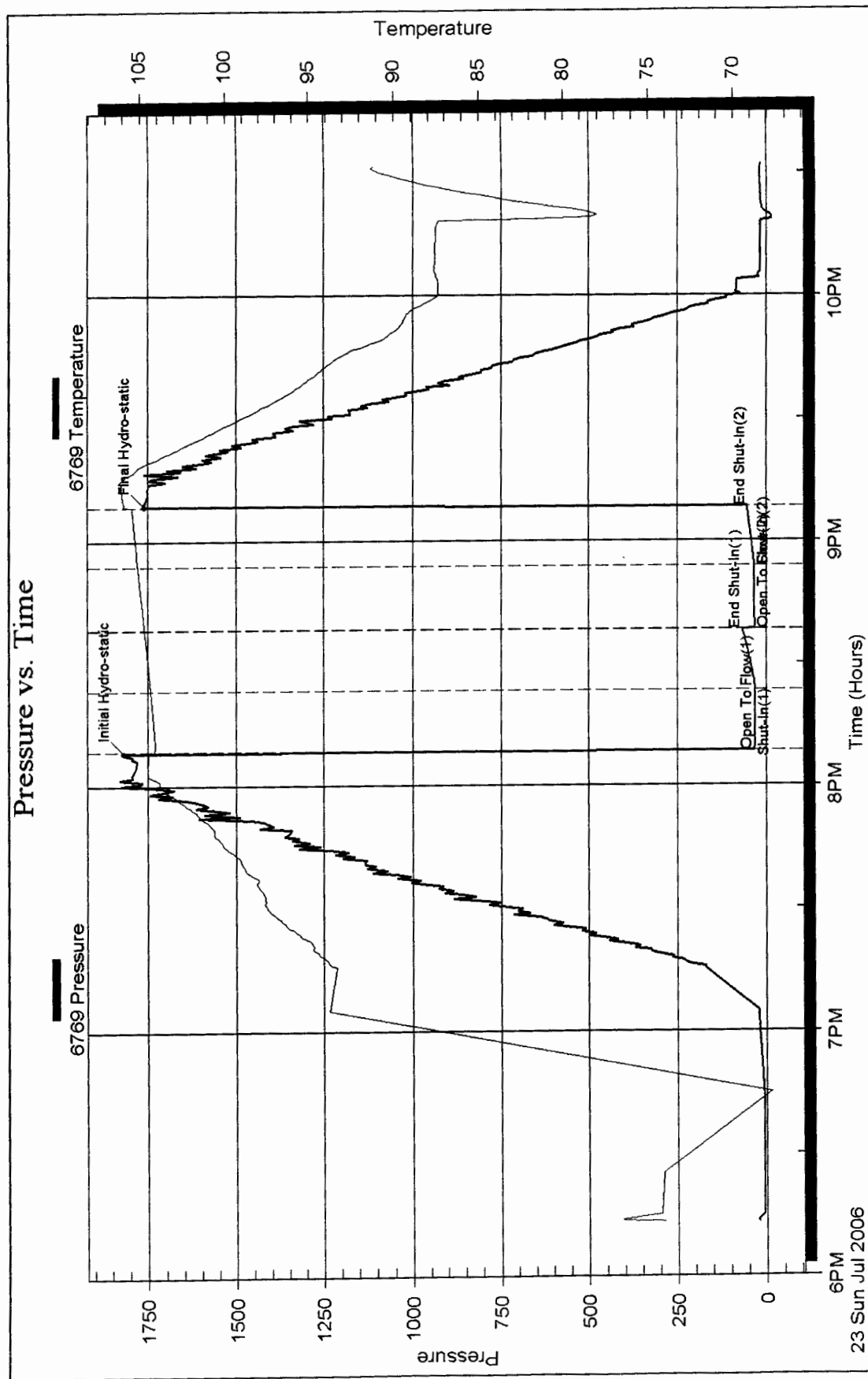
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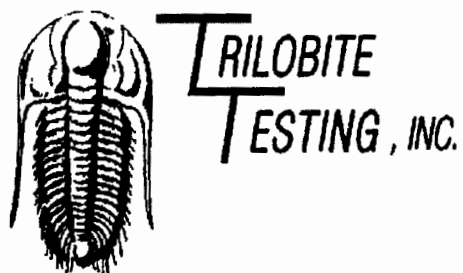
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Reilly Oil Co**

PO Box 277
Wakeeney KS 67672

ATTN: Dusty Rhoades

21 6S 21W Graham KS

Voss 1-21

Start Date: 2006.07.23 @ 17:16:13

End Date: 2006.07.24 @ 01:04:13

Job Ticket #: 25194

DST #: 6

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Reilly Oil Co

Voss 1-21

21 6S 21W Graham KS

DST # 6

LKC - J

2006.07.23



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Reilly Oil Co
PO Box 277
Wakeeney KS 67672
ATTN: Dusty Rhoades

Voss 1-21
21 6S 21W Graham KS
Job Ticket: 25194 **DST#: 6**
Test Start: 2006.07.23 @ 17:16:13

GENERAL INFORMATION:

Formation: **LKC - J**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 18:54:28
Time Test Ended: 01:04:13

Test Type: **Conventional Bottom Hole**
Tester: **Michael Armbrister**
Unit No: **24**

Interval: **3668.00 ft (KB) To 3716.00 ft (KB) (TVD)**
Total Depth: **3716.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2282.00 ft (KB)**
2277.00 ft (CF)
KB to GR/CF: **5.00 ft**

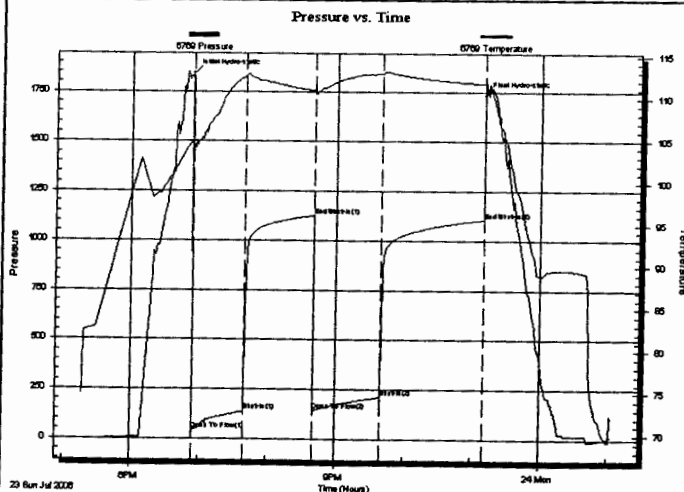
Serial #: 6769

Inside

Press@RunDepth: **212.03 psig @ 3674.01 ft (KB)**
Start Date: **2006.07.23** End Date: **2006.07.24**
Start Time: **17:16:15** End Time: **01:04:13**

Capacity: **7000.00 psig**
Last Calib.: **2006.07.24**
Time On Btm: **2006.07.23 @ 18:54:13**
Time Off Btm: **2006.07.23 @ 23:10:43**

TEST COMMENT: **IF B of B 27 m**
ISI No blow
FF B of B 38 m
FSI No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1841.59	104.84	Initial Hydro-static
1	39.65	104.32	Open To Flow (1)
46	137.11	112.67	Shut-In(1)
106	1126.83	110.93	End Shut-In(1)
106	144.24	110.57	Open To Flow (2)
166	212.03	112.96	Shut-In(2)
257	1105.21	111.75	End Shut-In(2)
257	1734.05	111.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
200.00	M C W 20% M 80% W	1.70
110.00	W C M 30% W 70% M	1.54
90.00	Drilling Mud	1.26

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Reilly Oil Co

Voss 1-21

PO Box 277
Wakeeney KS 67672

21 6S 21W Graham KS

Job Ticket: 25194

DST#: 6

ATTN: Dusty Rhoades

Test Start: 2006.07.23 @ 17:16:13

Tool Information

Drill Pipe:	Length: 3550.00 ft	Diameter: 3.80 inches	Volume: 49.80 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: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	60000.00 lb
		Total Volume:	50.40 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial	44000.00 lb
Depth to Top Packer:	3668.00 ft			Final	48000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	48.02 ft				
Tool Length:	68.02 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			3653.00	
Hydraulic tool	5.00			3658.00	
Packer	5.00			3663.00	20.00 Bottom Of Top Packer
Packer	5.00			3668.00	
Stubb	1.00			3669.00	
Perforations	5.00			3674.00	
Recorder	0.01	6769	Inside	3674.01	
Change Over Sub	1.00			3675.01	
Blank Spacing	31.00			3706.01	
Bullnose	1.00			3707.01	
Perforations	6.00			3713.01	
Recorder	0.01	13548	Outside	3713.02	
Bullnose	3.00			3716.02	48.02 Bottom Packers & Anchor

Total Tool Length: 68.02



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Reilly Oil Co

Voss 1-21

PO Box 277
Wakeeney KS 67672

21 6S 21W Graham KS

Job Ticket: 25194

DST#: 6

ATTN: Dusty Rhoades

Test Start: 2006.07.23 @ 17:16:13

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: 65.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.36 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
200.00	M C W 20% M 80% W	1.703
110.00	W C M 30% W 70% M	1.543
90.00	Drilling Mud	1.262

Total Length: 400.00 ft

Total Volume: 4.508 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

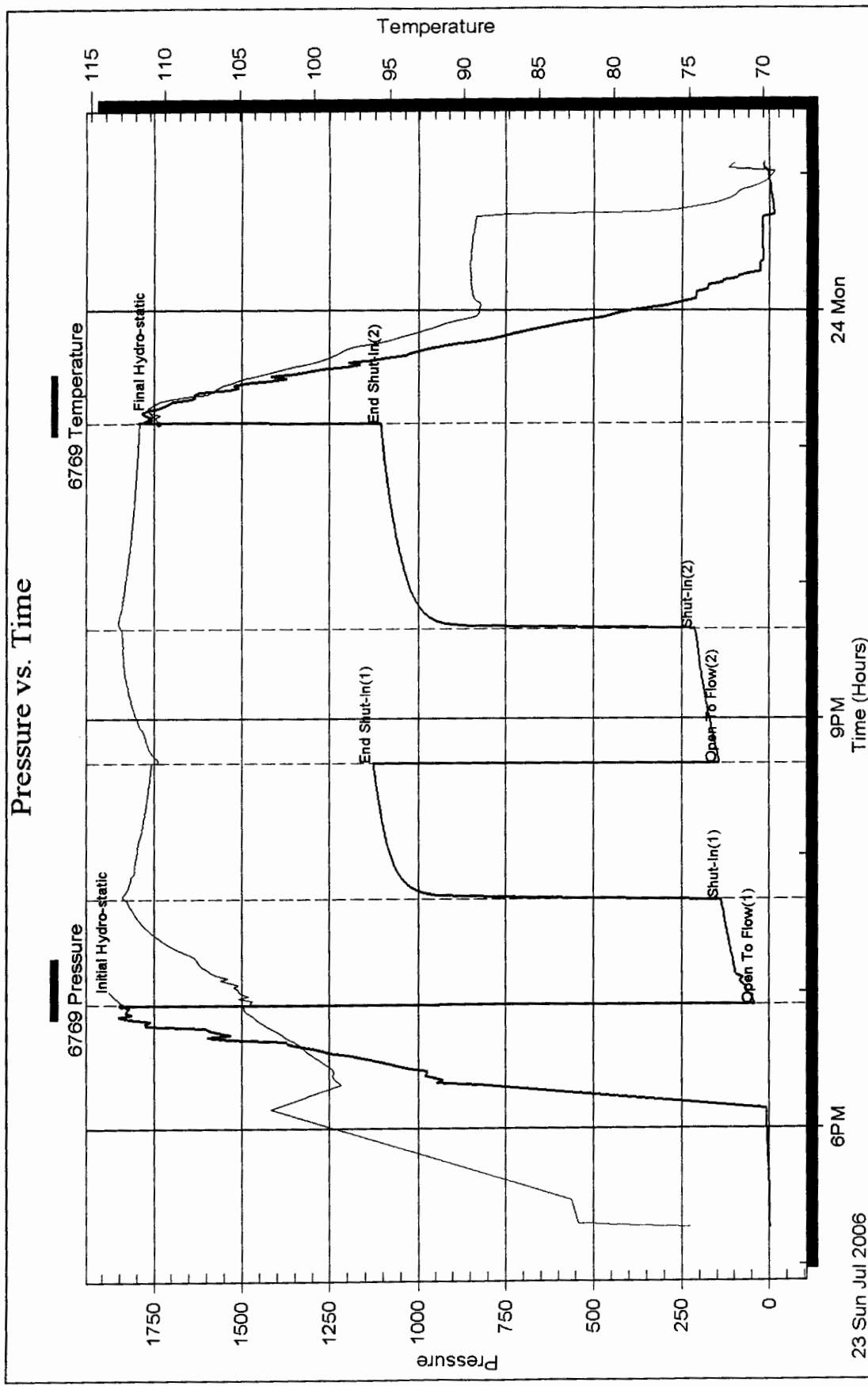
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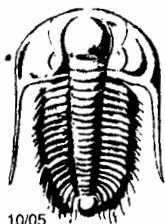
Inside

Reilly Oil Co

21 6S 21W Graham KS

DST Test Number: 6





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

9033

25189

Test Ticket

Well Name & No. Voss 1-21 Test No. 1 Date 7-20-06
 Company Reilly Oil Co. Zone Tested Oread
 Address P.O. Box 277 Wakeeney, Ks 67672 Elevation 2282 KB 2277 GL
 Co. Rep / Geo. Dusty Rhodes Rig WW2
 Location: Sec. 21 Twp. 6^s Rge. 21^w Co. Graham State K
 Comment: _____ Release date / time: _____

Interval Tested 3430-3464 Initial Str Wt./Lbs. 42,000 Unseated Str Wt./Lbs. 42,000
 Anchor Length 34 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 50,000
 Top Packer Depth 3425 Tool Weight 2500
 Bottom Packer Depth 3430 Hole Size 7 7/8" — Rubber Size 6 3/4" —
 Total Depth 3464 Wt. Pipe Run — Drill Collar Run 121
 Mud Wt. 9.0 LCM — Vis. 65 WL 6.4 Drill Pipe Size 4 1/2 X 11 Ft. Run 3304

Blow Description IFP- weak blow throughout sur-1
ISI- no blow back
FFP- no blow
FSD- no blow back

Recovery - Total Feet 50 GIP — Ft. in DC 50 Ft. in DP —
 Rec. 50 Feet of M w/ spt 0 %gas spt %oil — %water 60 %mud —
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 106 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 800 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1666</u>	PSI	<u>6769</u>	<u>✓ 1000</u>
(B) First Initial Flow Pressure	<u>34</u>	PSI	(depth) <u>3436</u>	Jars _____
(C) First Final Flow Pressure	<u>42</u>	PSI	Recorder No. <u>13548</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>993</u>	PSI	(depth) <u>3461</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>42</u>	PSI	Recorder No. <u>30</u>	Sampler _____
(F) Second Final Flow Pressure	<u>47</u>	PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>972</u>	PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1635</u>	PSI	Initial Shut-In <u>60</u>	Shale Packer _____

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Approved By Dusty Rhodes
 Our Representative Brian Fairbank (Thnk)

Final Flow 15
 Final Shut-In 45
 T-On Location 2100
 T-Started 2228
 T-Open 0013
 T-Pulled 0243
 T-Out 0403

Test ✓ 1000
 Jars _____
 Safety Jt. _____
 Circ Sub _____
 Sampler _____
 Straddle _____
 Ext. Packer _____
 Shale Packer _____
 Ruined Packer _____
 Mileage ✓ 1170 1361
 Sub Total: 1170
 Std. By _____
 Acc. Chg: _____
 Other: _____
 Total: _____

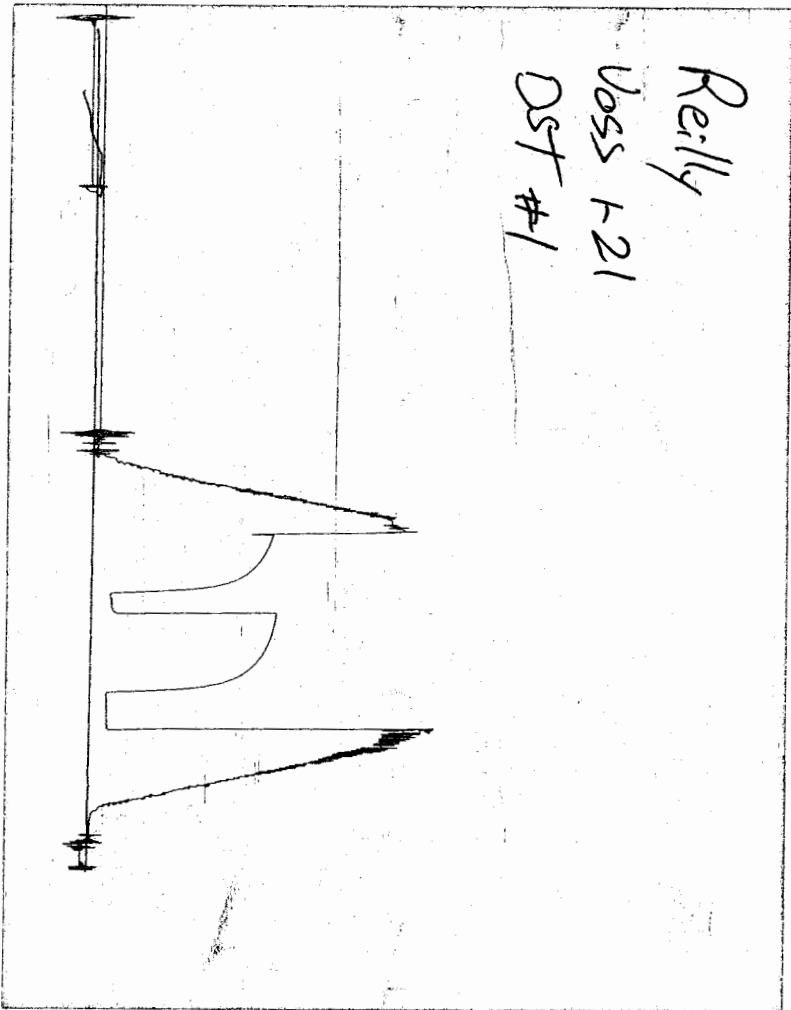
CHART PAGE

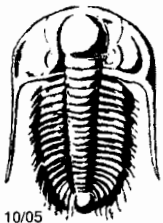
This is a photocopy of the actual AK-1 recorder chart.

Reilly

Loss 1-21

DST #1





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

25190

Test Ticket

Well Name & No. Voss 1-21 Test No. 2 Date 7-21-06
 Company Reilly Oil Co. Zone Tested Top
 Address _____ Elevation 2282 KB 2277 GL
 Co. Rep / Geo. Dusty Rhoades Rig WW-2
 Location: Sec. 21 Twp. 6 Rge. 21 Co. Graham State KS
 Comment: _____ Release date / time: _____

Interval Tested 3485-3532 Initial Str Wt./Lbs. 42,000 Unseated Str Wt./Lbs. 42,000
 Anchor Length 47' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 50,000
 Top Packer Depth 3480 Tool Weight 2000
 Bottom Packer Depth 3485 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3532 Wt. Pipe Run _____ Drill Collar Run 121
 Mud Wt. _____ LCM _____ Vis. _____ WL _____ Drill Pipe Size 4 1/2 Ft. Run 3365
 Blow Description IF - Weak surface blow died 6m
ISI - No Blow
FF - Weak surface blow after 8m
FSI - No Blow

Recovery - Total Feet 5 GIP _____ Ft. in DC _____ Ft. in DP _____
 Rec. 5 Feet of Drilling Mud %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. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 104 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides _____ ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	1729	PSI	6769	Ran 1000
(B) First Initial Flow Pressure	31	PSI	3489	Jars
(C) First Final Flow Pressure	37	PSI	13548	Safety Jt.
(D) Initial Shut-In Pressure	986	PSI	3531	Circ Sub
(E) Second Initial Flow Pressure	38	PSI		Sampler
(F) Second Final Flow Pressure	46	PSI		Straddle
(G) Final Shut-In Pressure	912	PSI		Ext. Packer
(Q) Final Hydrostatic Mud	1696	PSI		Shale Packer

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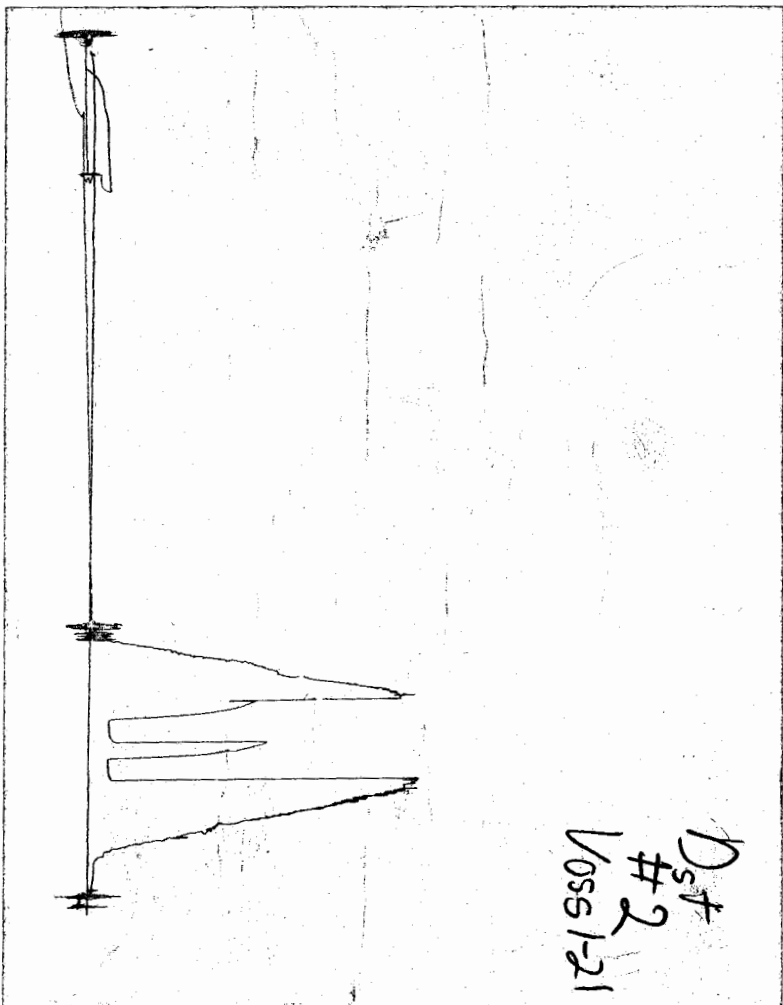
Approved By Dusty Rhoades

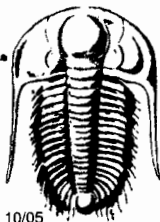
Our Representative Michael Armbrister

Initial Opening 15
 Initial Shut-In 15
 Final Flow 15
 Final Shut-In 15
 T-On Location 12:20
 T-Started 12:25
 T-Open 14:05
 T-Pulled 15:05
 T-Out 16:15
 Ruined Packer _____
 Mileage 110 RT 50
 Sub Total: 7050
 Std. By _____
 Acc. Chg: _____
 Other: _____
 Total: _____

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

25191

Test Ticket

Well Name & No. Voss 1-21 Test No. 3 Date 7-22-04
 Company Reilly Oil Co. Zone Tested LKC-CO
 Address _____ Elevation 2282 KB 2277 GL
 Co. Rep / Geo. Dusty Rhodes Rig WW2
 Location: Sec. 21 Twp. 6 Rge. 21 Co. Graham State KS
 Comment: _____ Release date / time: _____

Interval Tested 3550-3597 Initial Str Wt./Lbs. 47,000 Unseated Str Wt./Lbs. 50,000
 Anchor Length 47 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 70,000
 Top Packer Depth 3545 Tool Weight 2,000
 Bottom Packer Depth 3556 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3597 Wt. Pipe Run _____ Drill Collar Run 121
 Mud Wt. 9.1 LCM Trace Vis. 55 WL 6.8 Drill Pipe Size 4 1/2 Ft. Run 3427
 Blow Description IF-BofB 3m
FSI-No Blow
FF-BofB 4m
FSI-No Blow

Recovery - Total Feet 1300 GIP _____ Ft. in DC _____ Ft. in DP _____
 Rec. 300 Feet of MCW %gas _____ %oil 60 %water 40 %mud _____
 Rec. 1000 Feet of Salt Water %gas _____ %oil 100 %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 112 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW 20 @ 45 °F Chlorides 40,000 ppm Recovery _____ Chlorides _____ ppm System

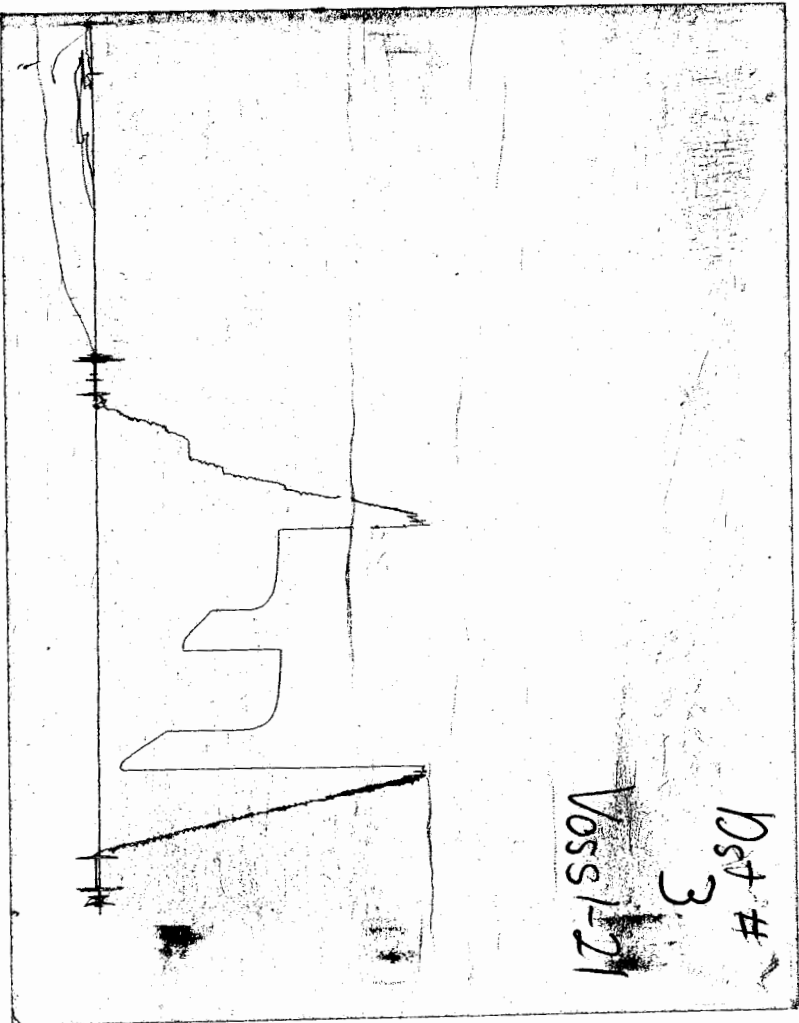
(A) Initial Hydrostatic Mud	AK-1	Alpine	1757	PSI	Recorder No.	<u>6769</u>	Test <u>Reg 1000-</u> Jars _____ Safety Jt. _____ Circ Sub _____ Sampler _____ Straddle _____ Ext. Packer _____ Shale Packer _____ Ruined Packer _____ Mileage <u>40 RT 50-</u> Sub Total: <u>10.50</u> Std. By _____ Acc. Chg: _____ Other: _____ Total: _____
(B) First Initial Flow Pressure			58	PSI	(depth)	<u>3555</u>	
(C) First Final Flow Pressure			416	PSI	Recorder No.	<u>13548</u>	
(D) Initial Shut-In Pressure			991	PSI	(depth)	<u>3596</u>	
(E) Second Initial Flow Pressure			434	PSI	Recorder No.		
(F) Second Final Flow Pressure			636	PSI	(depth)		
(G) Final Shut-In Pressure			988	PSI	Initial Opening	<u>30</u>	
(Q) Final Hydrostatic Mud			1674	PSI	Initial Shut-In	<u>60</u>	
					Final Flow	<u>30</u>	
					Final Shut-In	<u>60</u>	
					T-On Location	<u>12:30</u>	
					T-Started	<u>1:10</u>	
					T-Open	<u>2:53</u>	
					T-Pulled	<u>5:53</u>	
					T-Out	<u>8:00</u>	

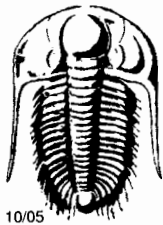
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Dusty Rhodes
 Our Representative Michael Armbrister

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

25192

Test Ticket

Well Name & No.	Voss 1-21	Test No.	4	Date	7-22-06
Company	Reilly Oil Co.	Zone Tested	LKC-F		
Address		Elevation	2282	KB	2277
Co. Rep / Geo.	Dusty Rhoades	Rig	WW-2		
Location: Sec.	21	Twp.	6	Rge.	21
		Co.	Graham	State	KS
Comment:	Release date / time:				

Interval Tested	3603 - 3616	Initial Str Wt./Lbs.	44,000	Unseated Str Wt/Lbs.	49008
Anchor Length	13	Wt. Set Lbs.	29000	Wt. Pulled Loose/Lbs.	60,000
Top Packer Depth	3598	Tool Weight	2,000		
Bottom Packer Depth	3603	Hole Size 7 7/8"		Rubber Size 6 3/4"	
Total Depth	3616	Wt. Pipe Run		Drill Collar Run	121
Mud Wt. 9.2 LCM 0 Vis. 55 WL 6.0		Drill Pipe Size	4 1/2	Ft. Run	3489
Blow Description	IF - BoFB 2m 30s ISI - No Blow FF BoFB 3m FSI - No Blow				

Recovery - Total Feet	1000	GIP		Ft. in DC		Ft. in DP	
Rec.	200	Feet of	OS - M W	%gas	%oil 70	%water 30	%mud
Rec.	800	Feet of	SW Gassy	%gas	%oil	%water	%mud
Rec.		Feet of		%gas	%oil	%water	%mud
Rec.		Feet of		%gas	%oil	%water	%mud
Rec.		Feet of		%gas	%oil	%water	%mud
BHT	113	*F Gravity		*API D @		*F Corrected Gravity	
RW	116	@ 80	*F Chlorides	ppm Recovery		Chlorides	ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	1794	PSI	Recorder No.	6769	Test	Ran 1000
(B) First Initial Flow Pressure			87	PSI	(depth)	3605	Jars	
(C) First Final Flow Pressure			310	PSI	Recorder No.	13548	Safety Jt.	
(D) Initial Shut-In Pressure			1116	PSI	(depth)	3615	Circ Sub	
(E) Second Initial Flow Pressure			250	PSI	Recorder No.		Sampler	
(F) Second Final Flow Pressure			499	PSI	(depth)		Straddle	
(G) Final Shut-In Pressure			1097	PSI	Initial Opening	30	Ext. Packer	
(Q) Final Hydrostatic Mud			1690	PSI	Initial Shut-In	60	Shale Packer	

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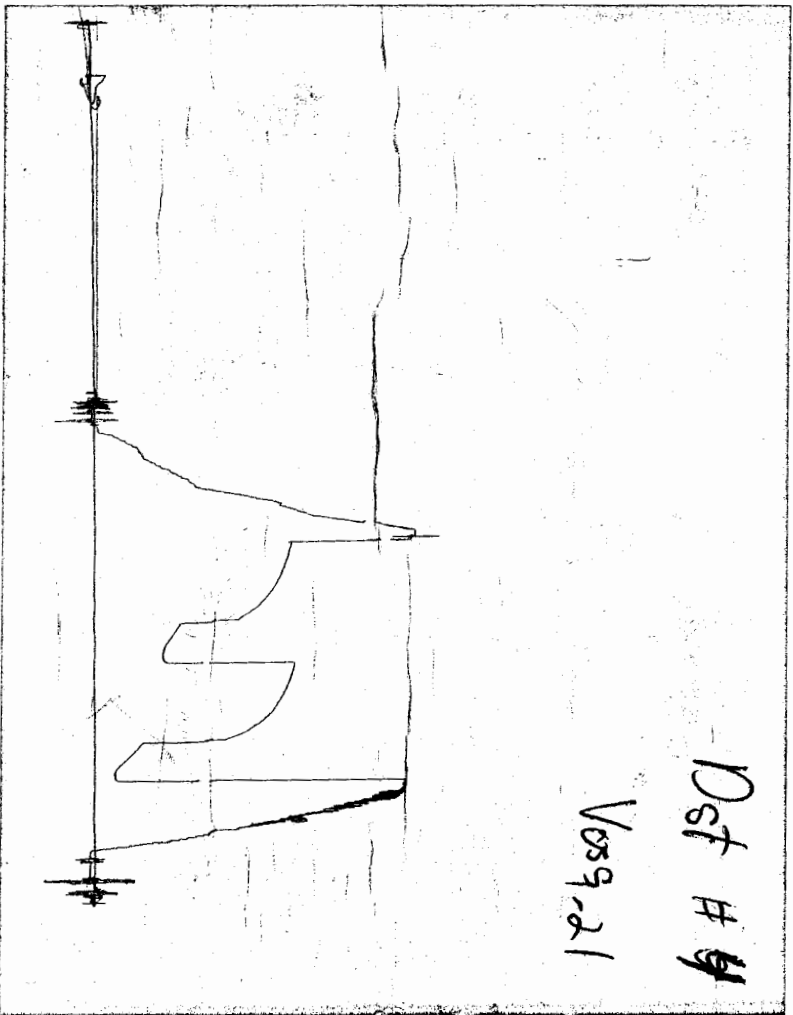
Approved By Dusty Rhoades
Our Representative Michael Ambrister

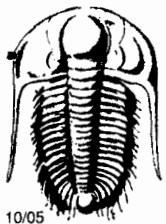
Final Flow 30
Final Shut-In 60
T-On Location 14:00
T-Started 14:40
T-Open 16:02
T-Pulled 19:02
T-Out 21:00

Ruined Packer
Mileage 90 RT 50
Sub Total: 1050
Std. By /
Acc. Chg:
Other:
Total:

CHART PAGE

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TRILOBITE TESTING INC.

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25193

Test Ticket

Well Name & No. Voss 1-21 Test No. 5 Date 7-23-06
 Company Reilly Oil Co Zone Tested LKC - H ±
 Address _____ Elevation 2282 KB 2277 GL
 Co. Rep / Geo. Dusty Rhoades Rig WW-2
 Location: Sec. 21 Twp. 6 Rge. 21 Co. Graham State KS
 Comment: _____ Release date / time: _____

Interval Tested 3630 - 3685 Initial Str Wt./Lbs. 47,000 Unseated Str Wt./Lbs. 47,000
 Anchor Length 55 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 40,008
 Top Packer Depth 3625 Tool Weight 2,000
 Bottom Packer Depth 3630 Hole Size 7 7/8" — Rubber Size 6 3/4" —
 Total Depth 3685 Wt. Pipe Run — Drill Collar Run 121
 Mud Wt. 9.2 LCM 0 Vis. 55 WL 6.0 Drill Pipe Size 4 1/2 Ft. Run 3521
 Blow Description IF - Weak surface Blow dried 2m

ISI - No Blow
FF - No Blow
FSI - No Blow

Recovery - Total Feet 1 GIP _____ Ft. in DC _____ Ft. in DP _____
 Rec. _____ Feet of Oil Spotted Drilling Mud %gas _____ %oil _____ %water 100 %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 BHT 105 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides _____ ppm System

AK-1	Alpine		
(A) Initial Hydrostatic Mud	<u>1815</u>	PSI	Recorder No. <u>6769</u>
(B) First Initial Flow Pressure	<u>34</u>	PSI	(depth) <u>3635</u>
(C) First Final Flow Pressure	<u>32</u>	PSI	Recorder No. <u>13548</u>
(D) Initial Shut-In Pressure	<u>66</u>	PSI	(depth) <u>3689</u>
(E) Second Initial Flow Pressure	<u>32</u>	PSI	Recorder No. _____
(F) Second Final Flow Pressure	<u>34</u>	PSI	(depth) _____
(G) Final Shut-In Pressure	<u>53</u>	PSI	Initial Opening <u>15</u>
(Q) Final Hydrostatic Mud	<u>1770</u>	PSI	Initial Shut-In <u>15</u>

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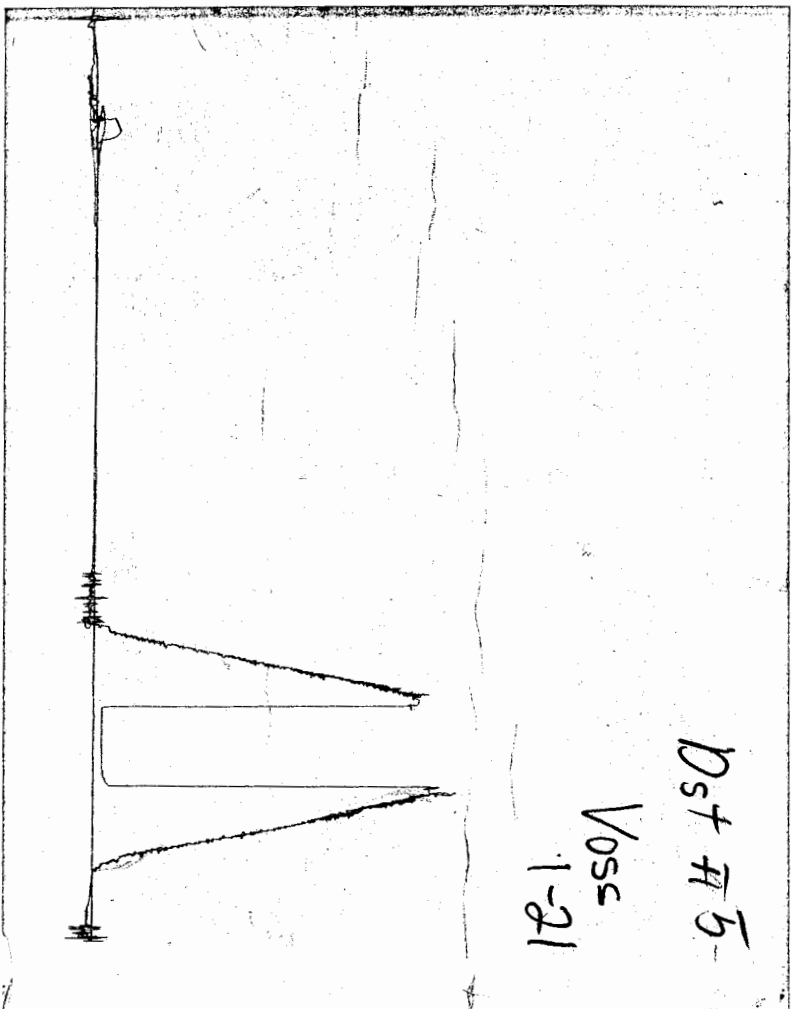
Approved By Dusty Rhoades
 Our Representative Michael Ambrose

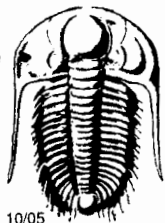
Test Man 1000
 Jars _____
 Safety Jt. _____
 Circ Sub _____
 Sampler _____
 Straddle _____
 Ext. Packer _____
 Shale Packer _____
 Ruined Packer _____
 Mileage 40 RT + 50
 Sub Total: 1030
 Std. By _____
 Acc. Chg: _____
 Other: _____
 Total: _____

T-On Location 6:00
 T-Started 6:12
 T-Open 8:08
 T-Pulled 9:08
 T-Out 10:30

CHART PAGE

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TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

25194

Test Ticket

Well Name & No. <u>Voss 1-21</u>	Test No. <u>6</u>	Date <u>7-23-06</u>
Company <u>Reilly Oil Co</u>	Zone Tested <u>LKC-J</u>	
Address _____	Elevation <u>2282</u> KB <u>2277</u> GL	
Co. Rep / Geo. <u>Dusty Rhoades</u>	Rig _____	
Location: Sec. <u>21</u> Twp. <u>6</u> Rge. <u>21</u>	Co. <u>Graham</u>	State <u>KS</u>
Comment: _____	Release date / time: _____	

Interval Tested <u>3688 - 3716</u>	Initial Str Wt./Lbs. <u>44,000</u>	Unseated Str Wt./Lbs. <u>48,000</u>
Anchor Length <u>48</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>60,000</u>
Top Packer Depth <u>3683</u>	Tool Weight <u>2,000</u>	
Bottom Packer Depth <u>3688</u>	Hole Size <u>7 7/8"</u>	Rubber Size <u>6 3/4"</u>
Total Depth <u>3716</u>	Wt. Pipe Run _____	Drill Collar Run <u>121</u>
Mud Wt. _____ LCM _____ Vis. _____ WL _____	Drill Pipe Size <u>4 1/2</u>	Ft. Run <u>3550</u>
Blow Description <u>IF - BoFB - 27m</u>		
<u>ISI - No Blow</u>		
<u>FF - BoFB 38m</u>		
<u>Fst - No Blow</u>		

Recovery - Total Feet <u>400</u>	GIP _____	Ft. in DC _____	Ft. in DP _____
Rec. <u>90</u>	Feet of <u>Drilling Mud</u>	%gas _____	%oil _____ %water <u>100</u> %mud _____
Rec. <u>110</u>	Feet of <u>WC & M</u>	%gas _____	%oil <u>30</u> %water <u>70</u> %mud _____
Rec. <u>200</u>	Feet of <u>Mud</u>	%gas _____	%oil <u>80</u> %water <u>20</u> %mud _____
Rec. _____	Feet of _____	%gas _____	%oil _____ %water _____ %mud _____
Rec. _____	Feet of _____	%gas _____	%oil _____ %water _____ %mud _____
BHT <u>112</u>	*F Gravity _____	*API D @ _____	*F Corrected Gravity _____ *API _____
RW <u>21</u> @ <u>70</u>	*F Chlorides <u>38,000</u> ppm	Recovery _____	Chlorides _____ ppm System _____

(A) Initial Hydrostatic Mud	AK-1 <u>1841</u> PSI	Alpine <u>1841</u> PSI	Recorder No. <u>6769</u>	(Test) <u>Qar 1000</u>
(B) First Initial Flow Pressure	<u>40</u> PSI		(depth) <u>3689</u>	Jars _____
(C) First Final Flow Pressure	<u>137</u> PSI		Recorder No. <u>13548</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>1127</u> PSI		(depth) <u>3715</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>144</u> PSI		Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>212</u> PSI		(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>1105</u> PSI	Initial Opening <u>45</u>		Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1734</u> PSI	Initial Shut-In <u>60</u>		Shale Packer _____
		Final Flow <u>60</u>		Ruined Packer _____
		Final Shut-In <u>90</u>		Mileage <u>40 RT 50</u>

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Approved By Dusty Rhoades
Our Representative Michael Armbrister

T-On Location

T-Started 18:00
T-Open 18:55
T-Pulled 23:10
T-Out 12:49

Sub Total: 1250
Std. By _____
Acc. Chg: _____
Other: _____
Total: _____

CHART PAGE

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

