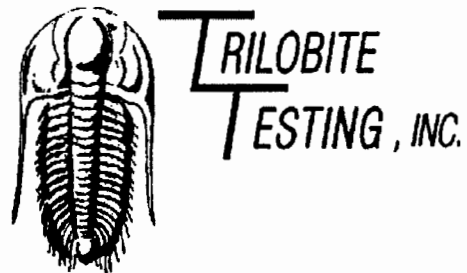


15-095-21888

7-29s-8w



DRILL STEM TEST REPORT

Prepared For: **Messenger Petroleum, Inc**

525 S. Main
Kingman, KS 67068

ATTN: Jon Messenger

7-29s-8w Kingman

Clouse #1

Start Date: 2004.06.16 @ 13:45:27

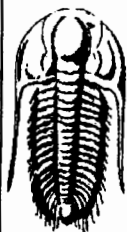
End Date: 2004.06.16 @ 19:30:17

Job Ticket #: 19673 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

Messenger Petroleum, Inc

525 S. Main
Kingman, KS 67068

ATTN: Jon Messenger

Clouse #1

7-29s-8w Kingman

Job Ticket: 19673

DST#: 1

Test Start: 2004.06.16 @ 13:45:27

GENERAL INFORMATION:

Formation: **Swope**

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

Time Tool Opened: 16:27:17

Time Test Ended: 19:30:17

Test Type: **Conventional Bottom Hole**

Tester: **Nathan**

Unit No: **20**

Interval: **3882.00 ft (KB) To 3890.00 ft (KB) (TVD)**

Total Depth: **3890.00 ft (KB) (TVD)**

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

Reference Elevations: **1679.00 ft (KB)**

1670.00 ft (CF)

KB to GR/CF: **9.00 ft**

Serial #: 6647

Inside

Press@RunDepth: **414.88 psig @ 3883.00 ft (KB)**

Start Date: **2004.06.16**

End Date:

2004.06.16

Start Time: **13:45:27**

End Time:

19:30:17

Capacity: **7000.00 psig**

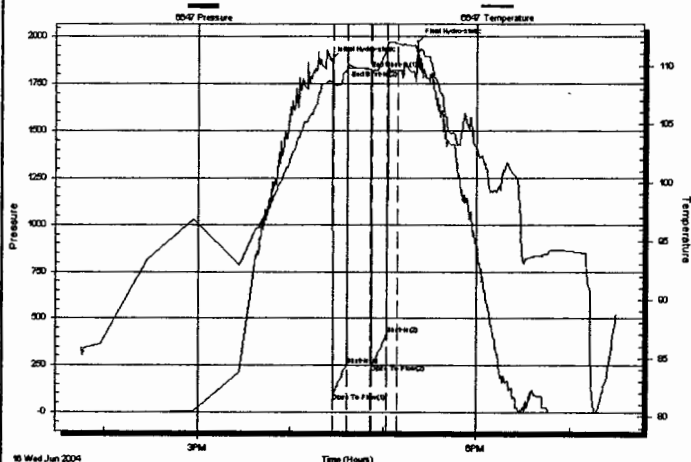
Last Calib.: **1899.12.30**

Time On Btm: **2004.06.16 @ 16:25:37**

Time Off Btm: **2004.06.16 @ 17:21:36**

TEST COMMENT: IF-Strong blow; couldn't get packers to hold
IS- No blow
FF- Opened tool packers still didn't hold pulled tool

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1875.94	108.67	Initial Hydro-static
2	57.65	108.24	Open To Flow (1)
11	253.15	109.67	Shut-In(1)
26	1830.28	109.73	End Shut-In(1)
27	256.19	109.34	Open To Flow (2)
37	414.88	111.62	Shut-In(2)
43	1822.09	111.91	End Shut-In(2)
56	1971.94	111.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
769.00	Drig mud	9.15
0.00	trace of oil and odor in tool sample	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

Messenger Petroleum, Inc

Clouse #1

525 S. Main
Kingman, KS 67068

7-29s-8w Kingman

Job Ticket: 19673

DST#: 1

ATTN: Jon Messenger

Test Start: 2004.06.16 @ 13:45:27

Tool Information

Drill Pipe:	Length: 3697.00 ft	Diameter: 3.80 inches	Volume: 51.86 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	22000.00 lb
Drill Collar:	Length: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose:	64000.00 lb
		Total Volume:	52.75 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	3882.00 ft			Final	64000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	8.00 ft				
Tool Length:	30.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					
Mis-run					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3861.00	
Shut In Tool	5.00			3866.00	
Hydraulic tool	5.00			3871.00	
Safety Joint	2.00			3873.00	
Packer	4.00			3877.00	22.00 Bottom Of Top Packer
Packer	5.00			3882.00	
Stubb	1.00			3883.00	
Recorder	0.00	6647	Inside	3883.00	
Perforations	4.00			3887.00	
Recorder	0.00	13630	Outside	3887.00	
Bullnose	3.00			3890.00	8.00 Bottom Packers & Anchor

Total Tool Length: 30.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Messenger Petroleum, Inc

Clouse #1

525 S. Main
Kingman, KS 67068

7-29s-8w Kingman

Job Ticket: 19673

DST#: 1

ATTN: Jon Messenger

Test Start: 2004.06.16 @ 13:45:27

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: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 13.93 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
769.00	Drilg mud	9.147
0.00	trace of oil and odor in tool sample	0.000

Total Length: 769.00 ft

Total Volume: 9.147 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 1

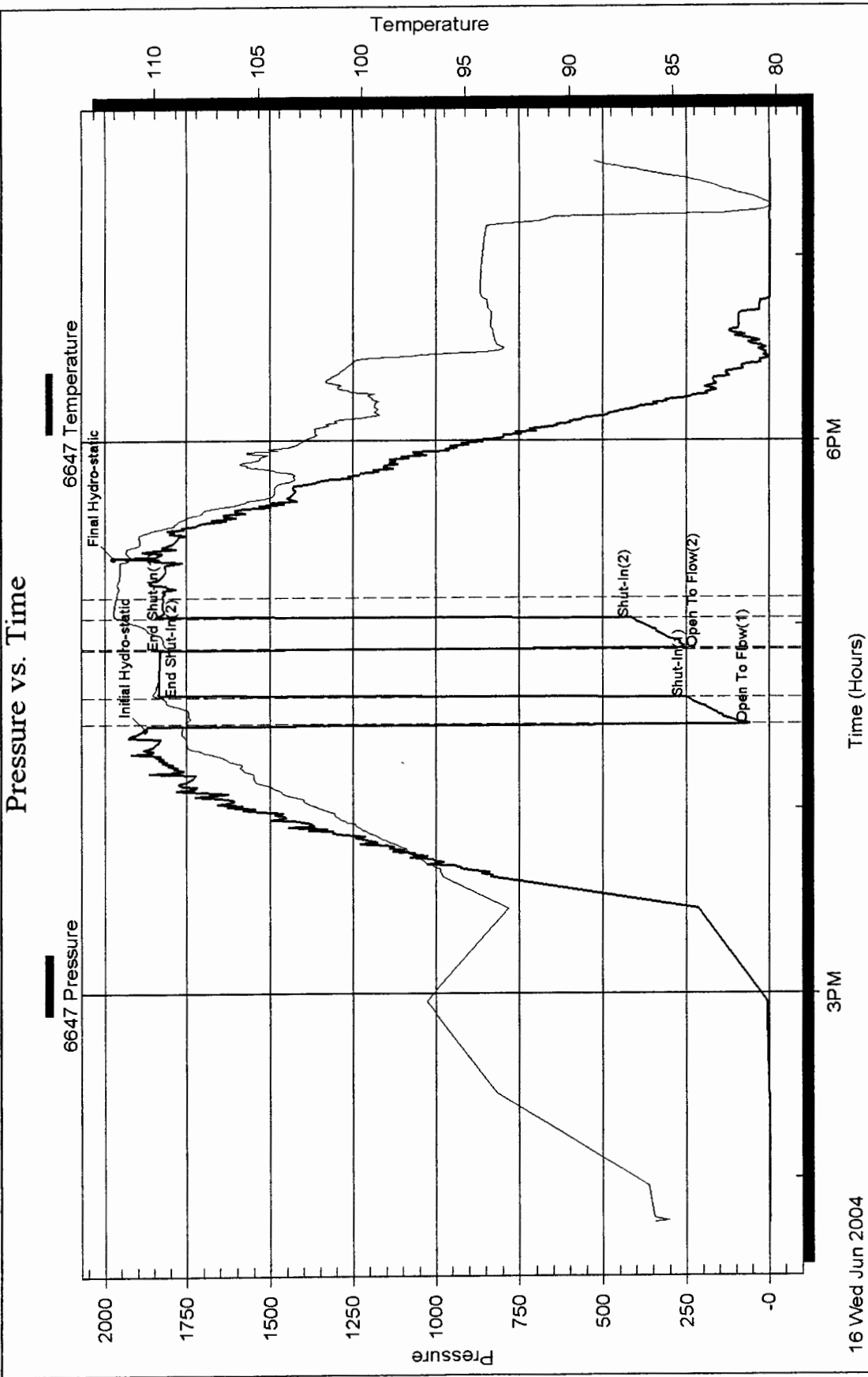
7-29s-8w Kingman

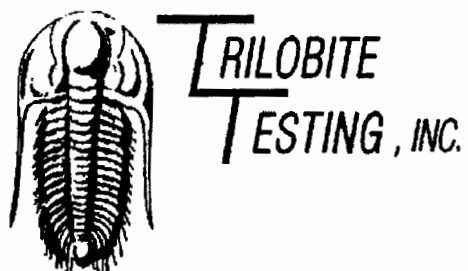
Messenger Petroleum, Inc

Inside

Serial #: 6647

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Messenger Petroleum, Inc**

525 S. Main
Kingman, KS 67068

ATTN: Jon Messenger

7-29s-8w Kingman

Clouse #1

Start Date: 2004.06.16 @ 19:40:51

End Date: 2004.06.17 @ 00:29:31

Job Ticket #: 19674 DST #: 2

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Messenger Petroleum, Inc

525 S. Main
Kingman, KS 67068

ATTN: Jon Messenger

Clouse #1

7-29s-8w Kingman

Job Ticket: 19674

DST#: 2

Test Start: 2004.06.16 @ 19:40:51

GENERAL INFORMATION:

Formation: **Swope**

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

Time Tool Opened: 21:31:01

Time Test Ended: 00:29:31

Test Type: Conventional Bottom Hole

Tester: **Nathan**

Unit No: **20**

Interval: **3872.00 ft (KB) To 3890.00 ft (KB) (TVD)**

Total Depth: **3890.00 ft (KB) (TVD)**

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

Reference Elevations: **1679.00 ft (KB)**

1670.00 ft (CF)

KB to GR/CF: **9.00 ft**

Serial #: **6647** Inside

Press@RunDepth: **320.46 psig @ 3873.00 ft (KB)**

Start Date: **2004.06.16**

End Date: **2004.06.17**

Capacity: **7000.00 psig**

Last Calib.: **1899.12.30**

Start Time: **19:40:51**

End Time: **00:29:30**

Time On Btm: **2004.06.16 @ 21:30:21**

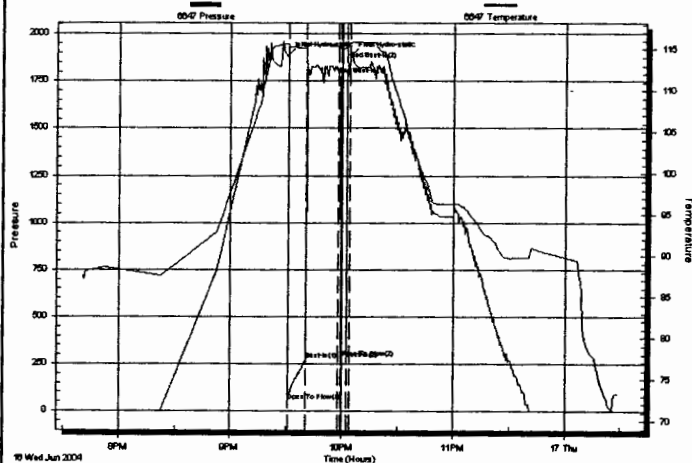
Time Off Btm: **2004.06.16 @ 22:04:21**

TEST COMMENT: **F- Good blow ; Losing mud hole wouldn't stay full**

IS- No blow

FF- Hole wouldn't stay full; pulled tool

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1882.61	115.63	Initial Hydro-static
1	53.15	114.97	Open To Flow (1)
10	268.56	115.15	Shut-In(1)
28	1782.76	115.41	End Shut-In(1)
29	281.37	114.87	Open To Flow (2)
32	320.46	115.13	Shut-In(2)
34	1864.85	115.69	End Shut-In(2)
34	1886.57	115.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
614.00	Drig Mud	6.97

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Messenger Petroleum, Inc

Clouse #1

525 S. Main
Kingman, KS 67068

7-29s-8w Kingman

Job Ticket: 19674

DST#: 2

ATTN: Jon Messenger

Test Start: 2004.06.16 @ 19:40:51

Tool Information

Drill Pipe:	Length: 3697.00 ft	Diameter: 3.80 inches	Volume: 51.86 bbl	Tool Weight:	2200.00 lb	
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	22000.00 lb	
Drill Collar:	Length: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose:	62000.00 lb	
			Total Volume:	52.75 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial	60000.00 lb	
Depth to Top Packer:	3872.00 ft			Final	62000.00 lb	
Depth to Bottom Packer:	ft					
Interval between Packers:	18.00 ft					
Tool Length:	40.00 ft					
Number of Packers:	2	Diameter:	6.75 inches			
Tool Comments:						
MIS-RUN						

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3851.00	
Shut In Tool	5.00			3856.00	
Hydraulic tool	5.00			3861.00	
Safety Joint	2.00			3863.00	
Packer	4.00			3867.00	22.00 Bottom Of Top Packer
Packer	5.00			3872.00	
Stubb	1.00			3873.00	
Recorder	0.00	6647	Inside	3873.00	
Perforations	14.00			3887.00	
Recorder	0.00	13630	Outside	3887.00	
Bullnose	3.00			3890.00	18.00 Bottom Packers & Anchor

Total Tool Length: 40.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Messenger Petroleum, Inc

Clouse #1

525 S. Main
Kingman, KS 67068

7-29s-8w Kingman

Job Ticket: 19674

DST#: 2

ATTN: Jon Messenger

Test Start: 2004.06.16 @ 19:40:51

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: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 13.94 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
614.00	Drig Mud	6.973

Total Length: 614.00 ft

Total Volume: 6.973 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

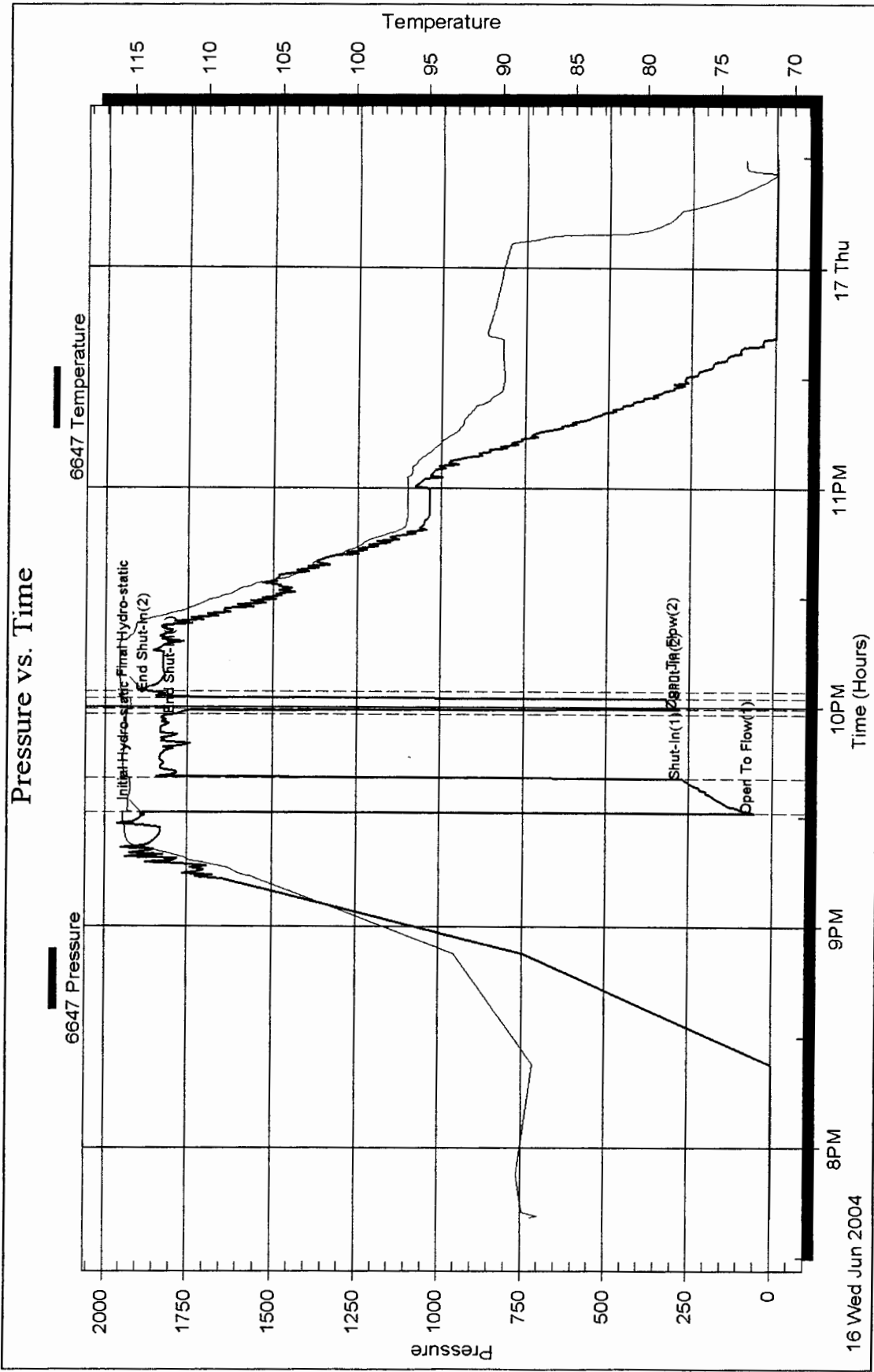
Serial #: 6647

Inside

Messenger Petroleum, Inc

7-29s-8w Kingman

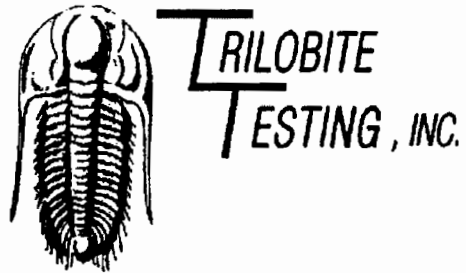
DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 19674

Printed: 2004.06.24 @ 13:51:50 Page 5



DRILL STEM TEST REPORT

Prepared For: **Messenger Petroleum, Inc**

525 S. Main
Kingman, KS 67068

ATTN: Jon Messenger

7-29s-8w Kingman

Clouse #1

Start Date: 2004.06.17 @ 08:47:58

End Date: 2004.06.17 @ 13:20:07

Job Ticket #: 19675 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

Messenger Petroleum, Inc

525 S. Main
Kingman, KS 67068

ATTN: Jon Messenger

Clouse #1

7-29s-8w Kingman

Job Ticket: 19675

DST#: 3

Test Start: 2004.06.17 @ 08:47:58

GENERAL INFORMATION:

Formation: **Hertha**

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

Time Tool Opened: 10:27:18

Time Test Ended: 13:20:07

Test Type: **Conventional Bottom Hole**

Tester: **Nathan**

Unit No: **20**

Interval: **3908.00 ft (KB) To 3935.00 ft (KB) (TVD)**

Total Depth: **3935.00 ft (KB) (TVD)**

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

Reference Elevations: **1679.00 ft (KB)**

1670.00 ft (CF)

KB to GR/CF: **9.00 ft**

Serial #: 6647 Inside

Press@RunDepth: **psig @ 3909.00 ft (KB)**

Start Date: **2004.06.17**

End Date: **2004.06.17**

Start Time: **08:47:58**

End Time: **13:20:07**

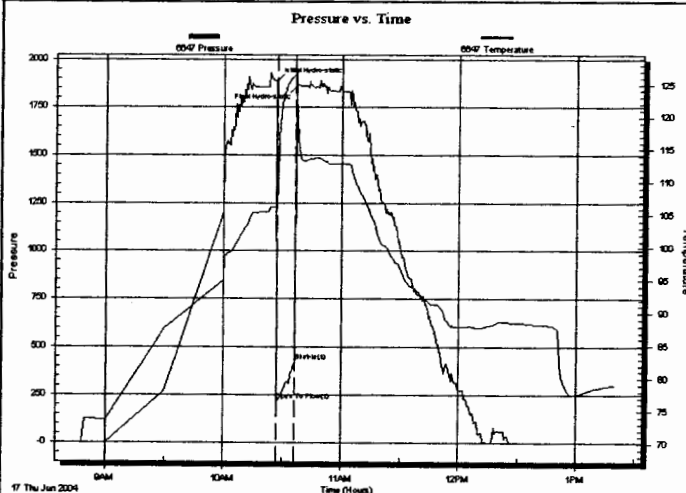
Capacity: **7000.00 psig**

Last Calib.: **1899.12.30**

Time On Btm: **2004.06.17 @ 10:26:58**

Time Off Btm: **2004.06.17 @ 10:36:58**

TEST COMMENT:



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1881.86	106.31	Initial Hydro-static
1	222.17	106.04	Open To Flow (1)
10	427.29	126.55	Shut-In (1)
10	1859.62	124.23	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Messenger Petroleum, Inc

Clouse #1

525 S. Main
Kingman, KS 67068

7-29s-8w Kingman

Job Ticket: 19675

DST#: 3

ATTN: Jon Messenger

Test Start: 2004.06.17 @ 08:47:58

Tool Information

Drill Pipe:	Length: 3729.00 ft	Diameter: 3.80 inches	Volume: 52.31 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	22000.00 lb
Drill Collar:	Length: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose:	lb
		Total Volume:	53.20 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial	lb
Depth to Top Packer:	3908.00 ft			Final	lb
Depth to Bottom Packer:	ft				
Interval between Packers:	27.00 ft				
Tool Length:	49.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3887.00	
Shut In Tool	5.00			3892.00	
Hydraulic tool	5.00			3897.00	
Safety Joint	2.00			3899.00	
Packer	4.00			3903.00	22.00 Bottom Of Top Packer
Packer	5.00			3908.00	
Stubb	1.00			3909.00	
Recorder	0.00	6647	Inside	3909.00	
Perforations	23.00			3932.00	
Recorder	0.00	13630	Outside	3932.00	
Bullnose	3.00			3935.00	27.00 Bottom Packers & Anchor

Total Tool Length: 49.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Messenger Petroleum, Inc

Clouse #1

525 S. Main
Kingman, KS 67068

7-29s-8w Kingman

Job Ticket: 19675

DST#: 3

ATTN: Jon Messenger

Test Start: 2004.06.17 @ 08:47:58

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: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 13.96 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl

Total Length:

ft

Total Volume:

bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

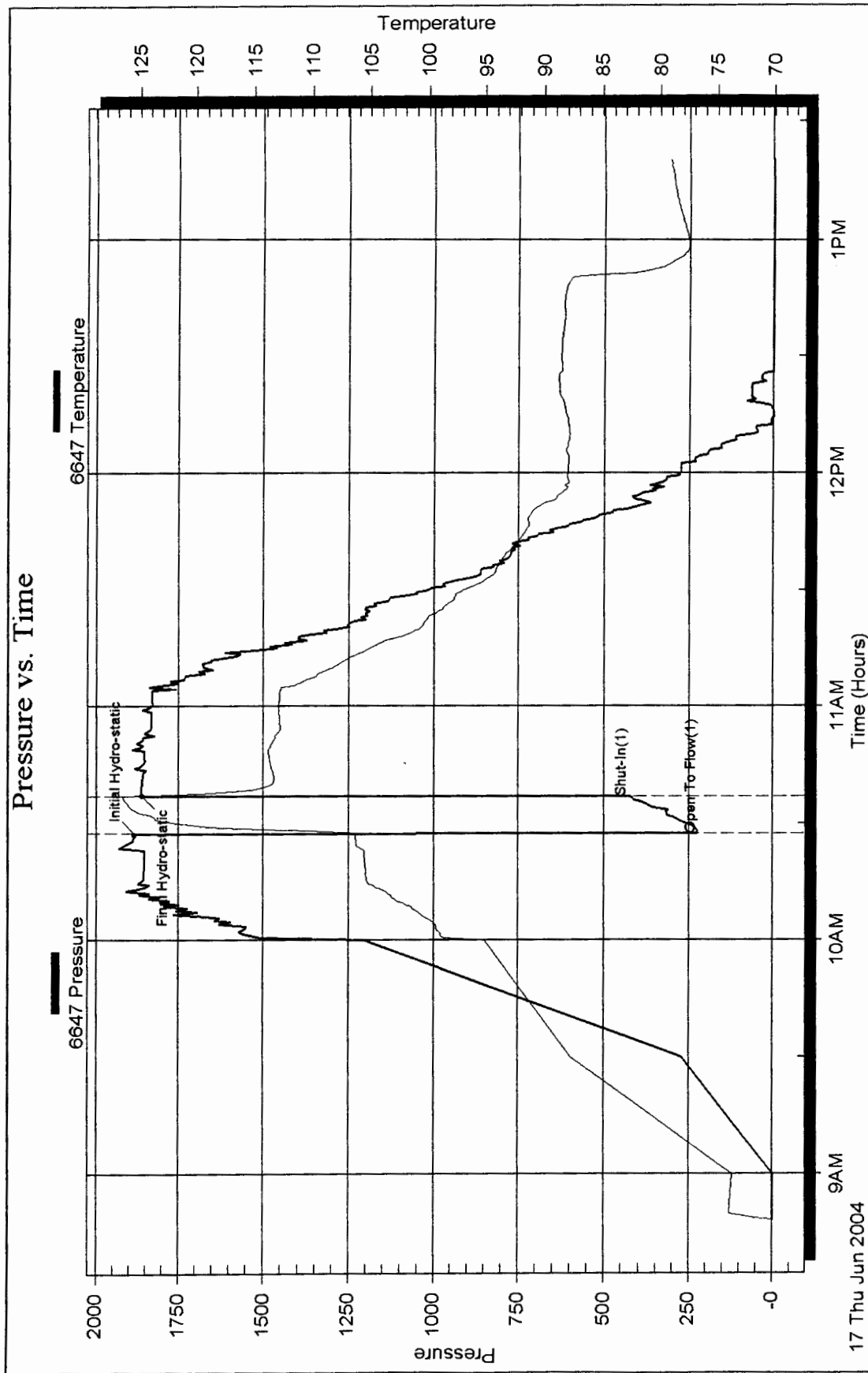
Serial #: 6647

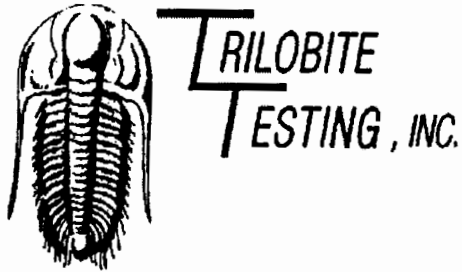
Inside

Messenger Petroleum, Inc

7-29s-8w Kingman

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Messenger Petroleum, Inc**

525 S. Main
Kingman, KS 67068

ATTN: Jon Messenger

7-29s-8w Kingman

Clouse #1

Start Date: 2004.06.17 @ 14:44:42

End Date: 2004.06.17 @ 22:30:27

Job Ticket #: 19155 DST #: 4

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Messenger Petroleum, Inc

525 S. Main
Kingman, KS 67068

ATTN: Jon Messenger

Clouse #1

7-29s-8w Kingman

Job Ticket: 19155

DST#: 4

Test Start: 2004.06.17 @ 14:44:42

GENERAL INFORMATION:

Formation: **Hertha**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:17:42

Time Test Ended: 22:30:27

Test Type: Conventional Bottom Hole

Tester: Nathan

Unit No: 20

Interval: **3908.00 ft (KB) To 3935.00 ft (KB) (TVD)**

Total Depth: 3935.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1679.00 ft (KB)

1670.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 6755 Inside

Press@RunDepth: 768.94 psig @ 3909.00 ft (KB)

Start Date: 2004.06.17

End Date: 2004.06.17

Start Time: 14:44:47

End Time: 22:30:26

Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2004.06.17 @ 17:15:57

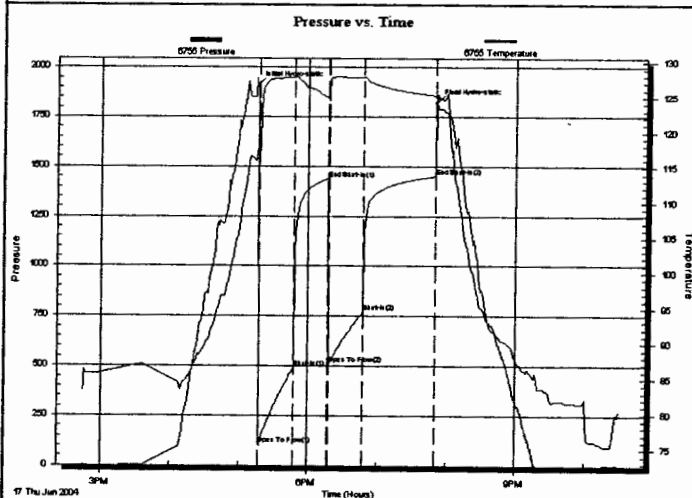
Time Off Btm: 2004.06.17 @ 19:50:57

TEST COMMENT: IF-Good blow O.B.B. 2 minutes 15 seconds; decreasing to 7 inches

IS- No blow

FF- Fair blow O.B.B. in 10 minutes; decreasing to 5 inches

FS- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1907.22	117.61	Initial Hydro-static
2	106.01	116.88	Open To Flow (1)
33	493.27	127.83	Shut-In (1)
62	1437.57	124.96	End Shut-In (1)
63	512.57	125.66	Open To Flow (2)
92	768.94	127.83	Shut-In (2)
155	1449.68	125.30	End Shut-In (2)
155	1822.25	124.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
164.00	MCW 14% mud 86% water	0.81
1426.00	gassy saltwater	19.86

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Messenger Petroleum, Inc

Clouse #1

525 S. Main
Kingman, KS 67068

7-29s-8w Kingman

Job Ticket: 19155

DST#: 4

ATTN: Jon Messenger

Test Start: 2004.06.17 @ 14:44:42

Tool Information

Drill Pipe:	Length: 3729.00 ft	Diameter: 3.80 inches	Volume: 52.31 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	22000.00 lb
Drill Collar:	Length: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose:	72000.00 lb
		Total Volume:	53.20 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial	58000.00 lb
Depth to Top Packer:	3908.00 ft			Final	68000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	27.00 ft				
Tool Length:	47.00 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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Change Over Sub	1.00			3889.00	
Shut In Tool	5.00			3894.00	
Hydraulic tool	5.00			3899.00	
Packer	4.00			3903.00	20.00 Bottom Of Top Packer
Packer	5.00			3908.00	
Stubb	1.00			3909.00	
Recorder	0.00	6755	Inside	3909.00	
Perforations	21.00			3930.00	
Recorder	0.00	13222	Outside	3930.00	
Bullnose	5.00			3935.00	27.00 Bottom Packers & Anchor
Total Tool Length:	47.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Messenger Petroleum, Inc

Clouse #1

525 S. Main
Kingman, KS 67068

7-29s-8w Kingman

Job Ticket: 19155

DST#: 4

ATTN: Jon Messenger

Test Start: 2004.06.17 @ 14:44:42

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:

90000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.36 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
164.00	MCW 14% mud 86% water	0.807
1426.00	gassy saltwater	19.857

Total Length: 1590.00 ft

Total Volume: 20.664 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

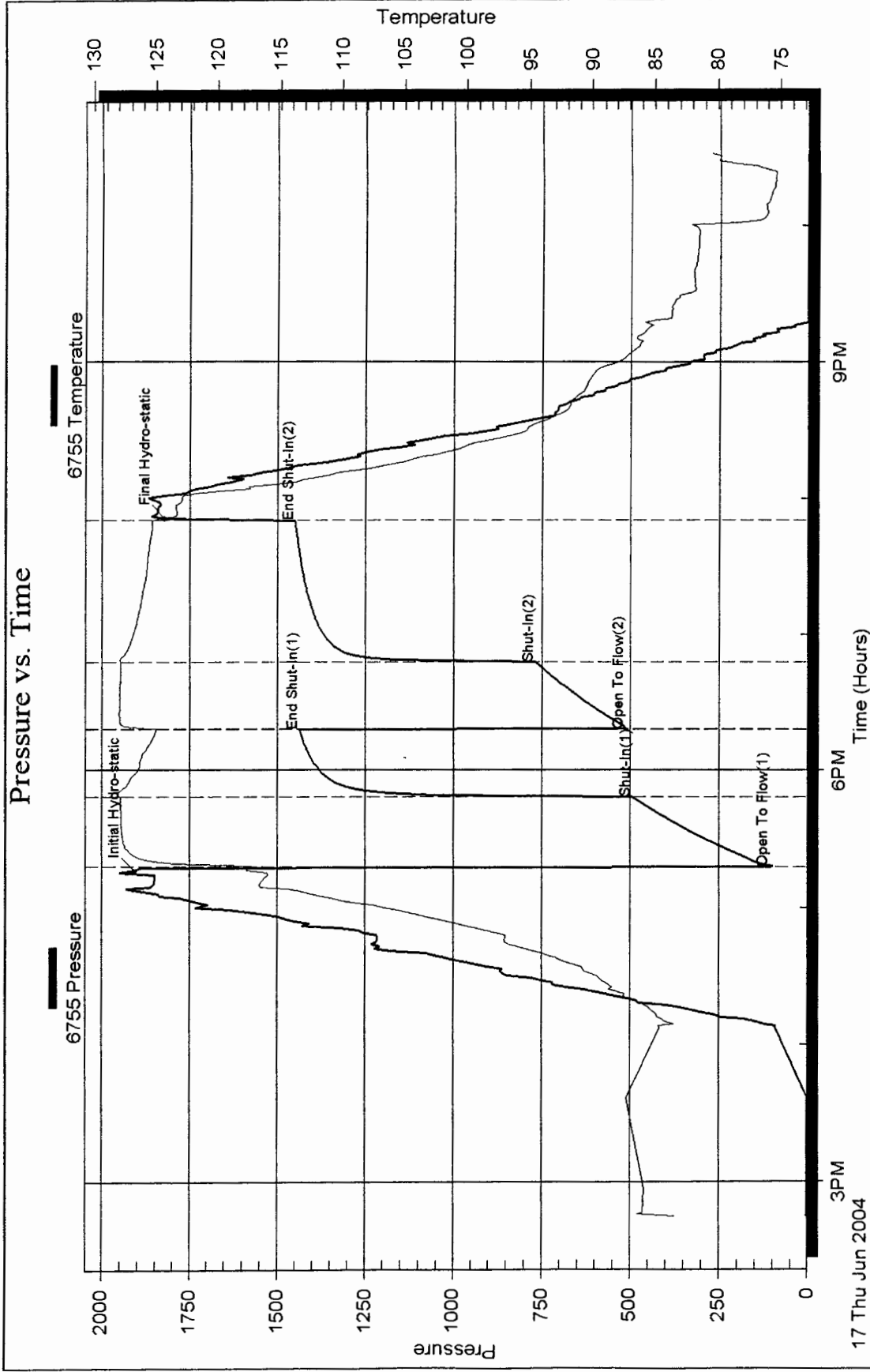
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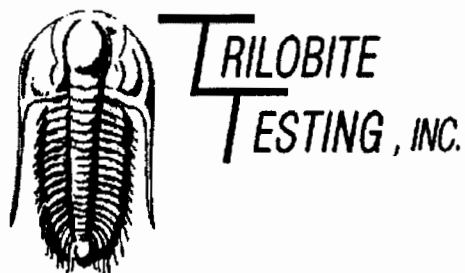
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Messenger Petroleum, Inc**

525 S. Main
Kingman, KS 67068

ATTN: Jon Messenger

7-29s-8w Kingman

Clouse #1

Start Date: 2004.06.18 @ 22:28:32

End Date: 2004.06.19 @ 07:56:32

Job Ticket #: 19156 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

Messenger Petroleum, Inc

525 S. Main
Kingman, KS 67068

ATTN: Jon Messenger

Clouse #1

7-29s-8w Kingman

Job Ticket: 19156

DST#: 5

Test Start: 2004.06.18 @ 22:28:32

GENERAL INFORMATION:

Formation: **Mississippi**

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

Time Tool Opened: 00:38:32

Time Test Ended: 07:56:32

Test Type: **Conventional Bottom Hole**

Tester: **Nathan**

Unit No: **23**

Interval: **4187.00 ft (KB) To 4198.00 ft (KB) (TVD)**

Total Depth: **4198.00 ft (KB) (TVD)**

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

Reference Elevations: **1679.00 ft (KB)**

1670.00 ft (CF)

KB to GR/CF: **9.00 ft**

Serial #: 6755

Inside

Press@RunDepth: **98.96 psig @ 4188.00 ft (KB)**

Start Date: **2004.06.18**

End Date: **2004.06.19**

Capacity: **7000.00 psig**

Last Calib.: **1899.12.30**

Start Time: **22:28:47**

End Time: **07:56:32**

Time On Btm: **2004.06.19 @ 00:35:17**

Time Off Btm: **2004.06.19 @ 04:13:47**

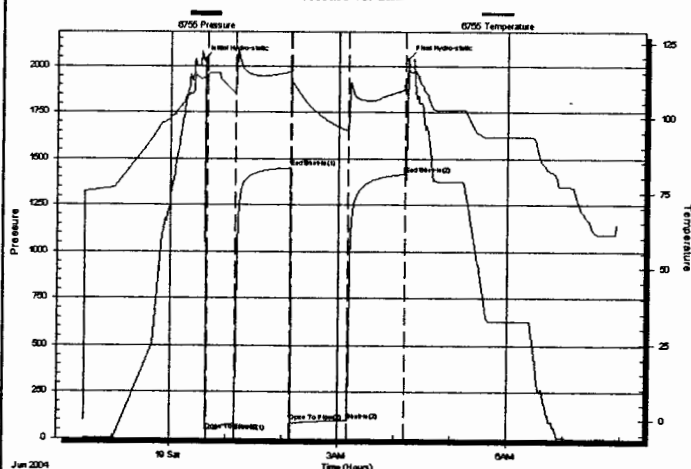
TEST COMMENT: **IF- Strong blow O.B.B. in 20 seconds; GTS in 6 minutes**

IS- No blow

FF- Strong blow O.B.B. ASAT opened

FS- No blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2036.36	113.44	Initial Hydro-static
4	40.10	113.47	Open To Flow (1)
34	81.24	107.82	Shut-In (1)
93	1450.61	115.48	End Shut-In (1)
95	91.71	112.05	Open To Flow (2)
155	98.96	95.75	Shut-In (2)
216	1417.64	109.39	End Shut-In (2)
219	2038.23	116.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	Mud	0.34
120.00	MCW 70% water 30% mud	0.68
0.00	4191 feet of gas in pipe	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.63	5.00	207.59
Last Gas Rate	0.75	11.00	396.74
Max. Gas Rate	0.63	14.50	309.25



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Messenger Petroleum, Inc

Clouse #1

525 S. Main
Kingman, KS 67068

7-29s-8w Kingman

Job Ticket: 19156

DST#: 5

ATTN: Jon Messenger

Test Start: 2004.06.18 @ 22:28:32

Tool Information

Drill Pipe:	Length: 4011.00 ft	Diameter: 3.80 inches	Volume: 56.26 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	22000.00 lb
Drill Collar:	Length: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose:	90000.00 lb
		Total Volume:	57.15 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial	62000.00 lb
Depth to Top Packer:	4187.00 ft			Final	62000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	11.00 ft				
Tool Length:	31.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

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

Change Over Sub	1.00			4168.00	
Shut In Tool	5.00			4173.00	
Hydraulic tool	5.00			4178.00	
Packer	4.00			4182.00	20.00 Bottom Of Top Packer
Packer	5.00			4187.00	
Stubb	1.00			4188.00	
Recorder	0.00	6755	Inside	4188.00	
Perforations	5.00			4193.00	
Recorder	0.00	13222	Outside	4193.00	
Bullnose	5.00			4198.00	11.00 Bottom Packers & Anchor
Total Tool Length:	31.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Messenger Petroleum, Inc

Clouse #1

525 S. Main
Kingman, KS 67068

7-29s-8w Kingman

Job Ticket: 19156

DST#: 5

ATTN: Jon Messenger

Test Start: 2004.06.18 @ 22:28:32

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:

56000 ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbl

Water Loss: 12.76 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 9000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	Mud	0.344
120.00	MCW 70% water 30% mud	0.681
0.00	4191 feet of gas in pipe	0.000

Total Length: 190.00 ft

Total Volume: 1.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Messenger Petroleum, Inc

Clouse #1

525 S. Main
Kingman, KS 67068

7-29s-8w Kingman

Job Ticket: 19156

DST#: 5

ATTN: Jon Messenger

Test Start: 2004.06.18 @ 22:28:32

Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
1	10	0.63	5.00	207.59
1	10	0.63	5.00	207.59
1	20	0.63	10.00	261.10
1	30	0.63	14.50	309.25
2	10	0.75	10.50	388.93
2	20	0.75	10.50	388.93
2	30	0.75	10.50	388.93
2	40	0.75	10.50	388.93
2	50	0.75	11.00	396.74

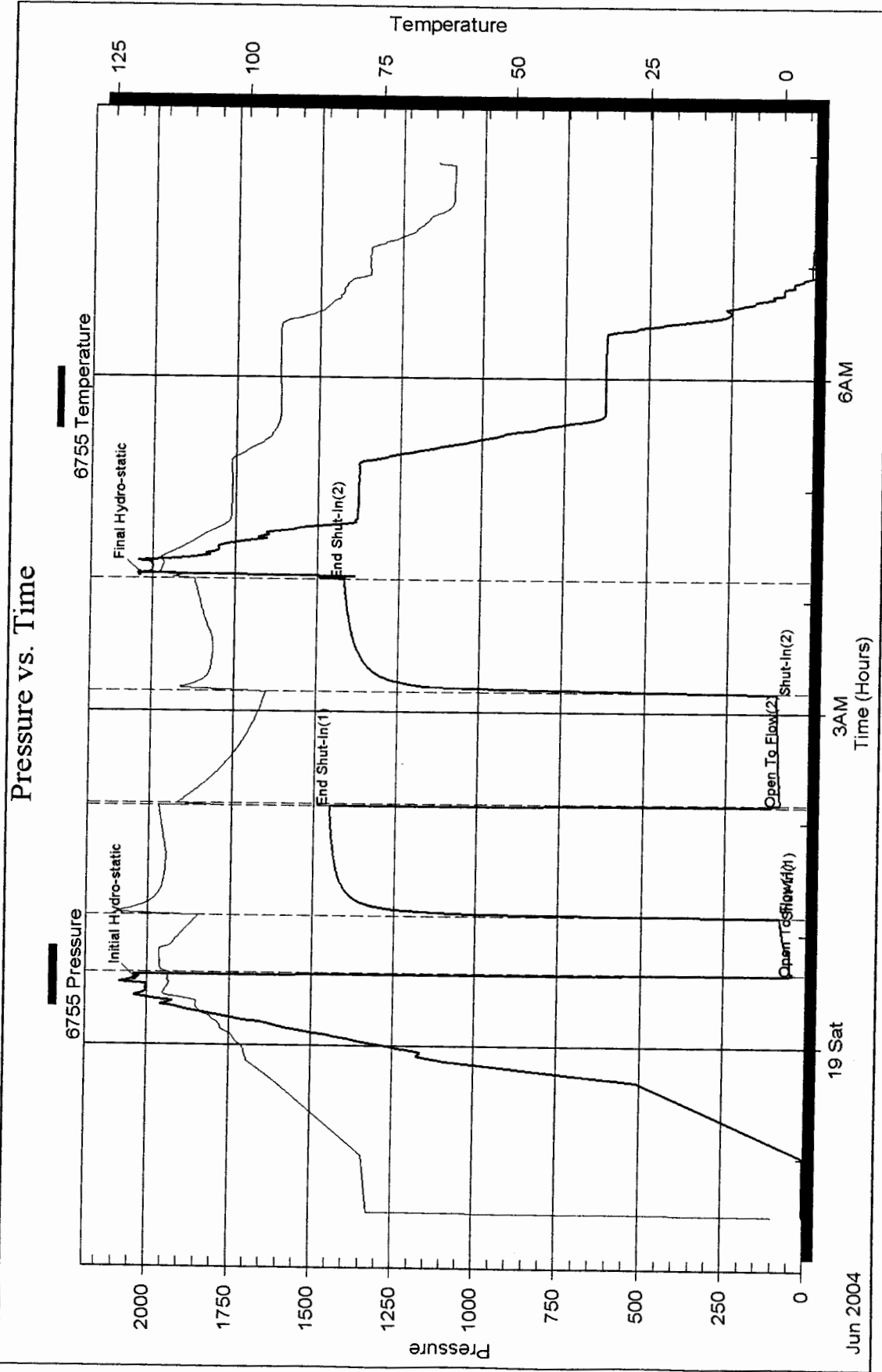
Serial #: 6755

Inside

Messenger Petroleum, Inc

7-29s-8w Kingman

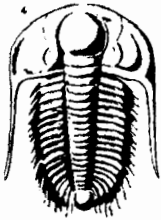
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Trilobite Testing, Inc

Ref. No: 19156

Printed: 2004.06.24 @ 13:54:38 Page 6



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No. 19673

05/03

Test Ticket

Well Name & No. Clouse #1 Test No. 1 Date 6/16/04
Company Messenger Petroleum, Inc. Zone Tested Swope
Address 5255 S. Main Kingman, KS 67068 Elevation 1679 KB 1670 GL
Co. Rep / Geo. Jon Messenger Cont. Sterling Rig #4 Est. Ft. of Pay _____ Por. _____ %
Location: Sec. 7 Twp. 29S Rge. 8W Co. Kingman State Ks
No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3882 - 3890 Initial Str Wt./Lbs. 60,000 Unseated Str Wt./Lbs. 64,000
Anchor Length 8' Wt. Set Lbs. 22,000 Wt. Pulled Loose/Lbs. 64,000
Top Packer Depth 3877 Tool Weight 2200
Bottom Packer Depth 3882 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
Total Depth 3890 Wt. Pipe Run - 0 - Drill Collar Run 180
Mud Wt. 9.2 LCM - 0 - Vis. 51 WL 14.0 Drill Pipe Size 4 1/2 Ft. Run 3697

Blow Description IF - Good blow
ISI - No blow
FF -
FSI - * Mis-Run *

Recovery - Total Feet 769 GIP - 0 - Ft. in DC 180 Ft. in DP 589
Rec. 769 Feet of Datg Mud %gas _____ %oil _____ %water _____ %mud _____
Rec. _____ Feet of trace of oil & odor in %gas _____ %oil _____ %water _____ %mud _____
Rec. _____ Feet of tool sample %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 _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 4,000 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>1876</u> PSI	<u>60647</u>	<u>bottom hole 500</u>
(B) First Initial Flow Pressure		<u>58</u> PSI	<u>3883</u>	Elec. Rec. <u>✓</u> <u>150</u>
(C) First Final Flow Pressure		<u>253</u> PSI	<u>13230</u>	Jars _____
(D) Initial Shut-In Pressure		<u>1830</u> PSI	<u>3897</u>	Safety Jt. <u>✓</u> <u>50</u>
(E) Second Initial Flow Pressure		<u>2529</u> PSI		Circ Sub _____
(F) Second Final Flow Pressure		<u>415</u> PSI		Sampler _____
(G) Final Shut-In Pressure		<u>1822</u> PSI	Initial Opening <u>10</u>	Straddle _____
(Q) Final Hydrostatic Mud		<u>1971</u> PSI	Initial Shut-In <u>15</u>	Ext. Packer _____

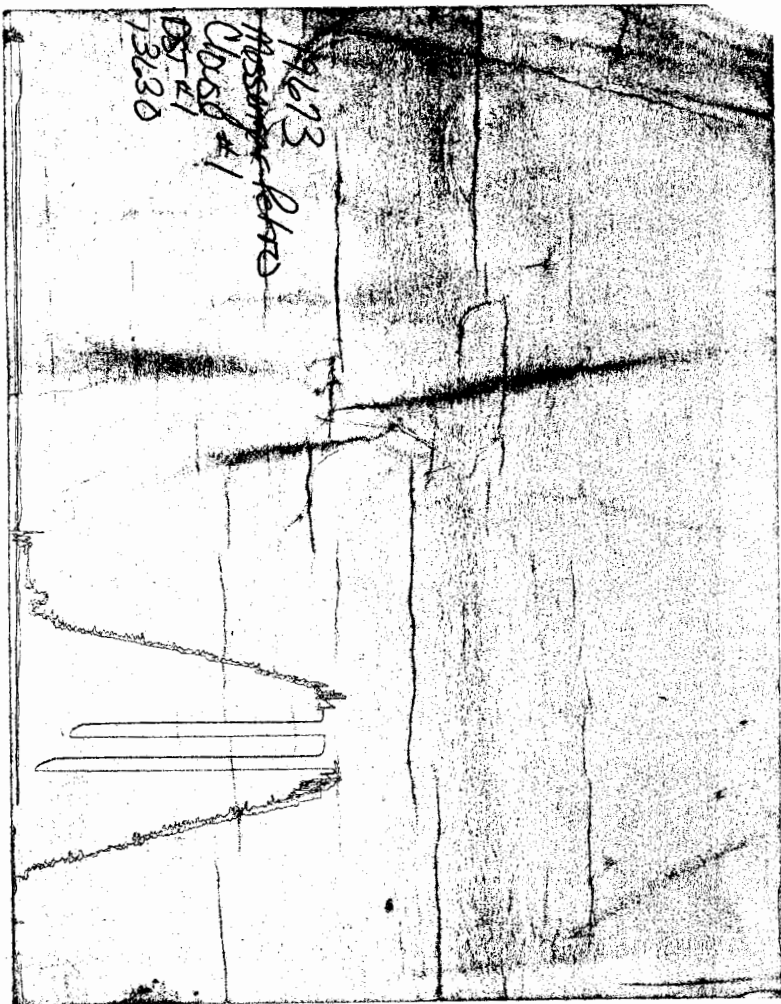
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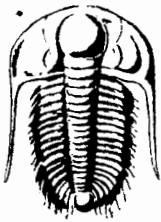
Approved By Jon Messenger
Our Representative Jon Messenger

Final Flow pulled tool
Final Shut-In _____
T-On Location 12:00
T-Started 13:45
T-Open 16:26
T-Pulled 17:00
T-Out 19:30
Shale Packer _____
Mileage 80 68
Sub Total: 768
Std. By _____
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

No. 19674

05/03

Test Ticket

Well Name & No.	Clause #1	Test No.	2	Date	6/16/04
Company	Messenger Petroleum, Inc.	Zone Tested	Slope		
Address	525 S. Main Kingman, KS 67068	Elevation	1679	KB	1670
Co. Rep / Geo.	Jon Messenger	Cont.	Sterling Rig #4	Est. Ft. of Pay	
Location: Sec.	7	Twp.	25S	Rge.	8W
		Co.	Kingman	State	KS
No. of Copies		Disbtribution Sheet (Y, N)		Turnkey (Y, N)	
		Evaluation (Y, N)			

Interval Tested	3872 - 3890	Initial Str Wt./Lbs	6000	Unseated Str Wt./Lbs	62,000
Anchor Length	18'	Wt. Set Lbs	22,000	Wt. Pulled Loose/Lbs	62,000
Top Packer Depth	3867	Tool Weight	2200		
Bottom Packer Depth	3872	Hole Size 7 7/8"	✓	Rubber Size 6 3/4"	✓
Total Depth	3890	Wt. Pipe Run	-0-	Drill Collar Run	180
Mud Wt.	9.2 LCM -0- Vis 51	Drill Pipe Size	4 1/2	Ft. Run	3697
Blow Description	IF - Good blow; losing mud hole with t. string full BT - No blow				

* MIS-RUN *

Recovery - Total Feet	614	GIP		Ft. in DC		Ft. in DP	
Rec.	614	Feet of	Drig 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	116	°F Gravity	N/A	°API D @		°F Corrected Gravity	
RW		@		°F	Chlorides	ppm Recovery	Chlorides 4,000 ppm System

(A) Initial Hydrostatic Mud	1883 PSI	Recorder No.	6647	Test	bottom hole
(B) First Initial Flow Pressure	53 PSI	(depth)	3873	Elec. Rec.	✓
(C) First Final Flow Pressure	267 PSI	Recorder No.	13630	Jars	
(D) Initial Shut-In Pressure	1783 PSI	(depth)	3887	Safety Jt.	✓
(E) Second Initial Flow Pressure	281 PSI	Recorder No.		Circ Sub	
(F) Second Final Flow Pressure	320 PSI	(depth)		Sampler	
(G) Final Shut-In Pressure	1865 PSI	Initial Opening	10	Straddle	
(Q) Final Hydrostatic Mud	1887 PSI	Initial Shut-In	15	Ext. Packer	
		Final Flow	pulled full	Shale Packer	
		Final Shut-In		Mileage	40 68
		T-On Location	never left	Sub Total:	768
		T-Started	19:40	Std. By	
		T-Open	21:33	Other	
		T-Pulled	22:15	Total:	
		T-Out	01:29		

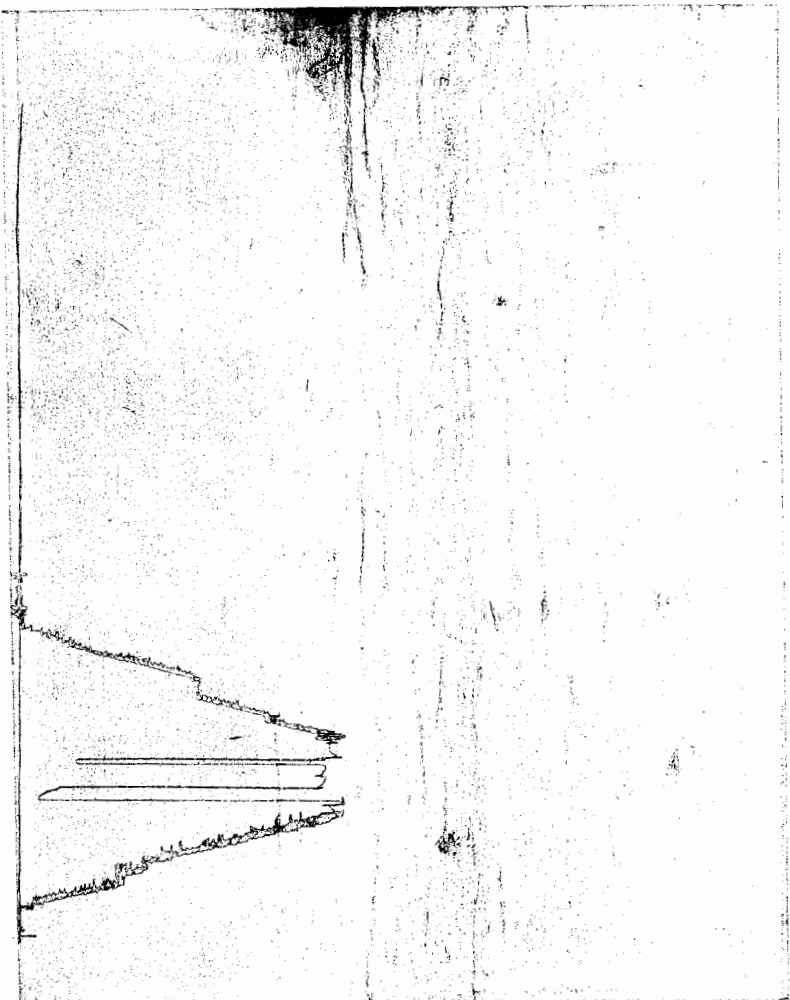
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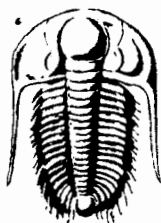
Approved By _____

Our Representative John Budig

CHART PAGE

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TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No. 19675

05/03

Test Ticket

Well Name & No.	Clase #1	Test No.	3	Date	6/17/04
Company	Mudenge Petroleum, Inc	Zone Tested	Hertha		
Address	525 S. MAIN Kingman, KS 67068	Elevation	1679	KB	1670 GL
Co. Rep / Geo.	Jon Messenger	Cont.	Sterling Rig #4	Est. Ft. of Pay	Por. %
Location: Sec.	7	Twp.	29S	Rge.	8W
		Co.	Kingman	State	KS
No. of Copies		Disbtribution Sheet (Y, N)		Turnkey (Y, N)	
		Evaluation (Y, N)			

Interval Tested	3908 - 3935	Initial Str Wt./Lbs.	60,000	Unseated Str Wt./Lbs.	62,000
Anchor Length	27'	Wt. Set Lbs.	22,000	Wt. Pulled Loose/Lbs.	62,000
Top Packer Depth	3903	Tool Weight	2200		
Bottom Packer Depth	3908	Hole Size 7 7/8"	✓	Rubber Size 6 3/4"	✓
Total Depth	3935	Wt. Pipe Run	-0-	Drill Collar Run	180
Mud Wt.		Drill Pipe Size	4 1/2	Ft. Run	
LCM					
Vis.					
WL					
Blow Description					

* Mis-Run *

* SPT JT failed *

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

(A) Initial Hydrostatic Mud	PSI	Recorder No.	6081	Test	bottom hole
(B) First Initial Flow Pressure	PSI	(depth)	3909	Elec. Rec.	
(C) First Final Flow Pressure	PSI	Recorder No.	13630	Jars	
(D) Initial Shut-In Pressure	PSI	(depth)	3932	Safety Jt.	✓
(E) Second Initial Flow Pressure	PSI	Recorder No.		Circ Sub	
(F) Second Final Flow Pressure	PSI	(depth)		Sampler	
(G) Final Shut-In Pressure	PSI	Initial Opening		Straddle	
(Q) Final Hydrostatic Mud	PSI	Initial Shut-In		Ext. Packer	

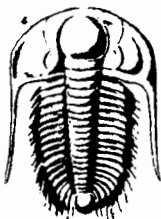
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Approved By _____

Our Representative Notker Body

Final Flow		
Final Shut-In		
T-On Location	8.30	
T-Started	11.42	
T-Open	12.15	
T-Pulled	13.45	
T-Out		

Mileage	42
Sub Total:	768
Std. By	
Other	
Total:	



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No. 19155

05/03

Test Ticket

Well Name & No.	Clause #1	Test No.	4	Date	6/17/04
Company	Messenger Petroleum, Inc	Zone Tested	Hertha		
Address	525 S. MAIN Kingman, KS 67068	Elevation	1769	KB	1760 GL
Co. Rep / Geo.	Jon Messenger	Cont.	Sterling Rig #4	Est. Ft. of Pay	Por. %
Location: Sec.	7	Twp.	29S	Rge.	8W Co. Kingman State KS
No. of Copies		Disbtribution Sheet (Y, N)		Turnkey (Y, N)	Evaluation (Y, N)

Interval Tested	3908 - 3935	Initial Str Wt./Lbs.	58,000	Unseated Str Wt./Lbs.	68,000
Anchor Length	27'	Wt. Set Lbs.	22,000	Wt. Pulled Loose/Lbs.	72,000
Top Packer Depth	3903	Tool Weight	2200		
Bottom Packer Depth	3908	Hole Size 7 7/8"	✓	Rubber Size 6 3/4"	✓
Total Depth	3935	Wt. Pipe Run	-0-	Drill Collar Run	180
Mud Wt.	9.2 LCM -0- Vis. 49 WL 10.4	Drill Pipe Size	4 1/2	Ft. Run	3729
Blow Description	TF- Good blow O.B.B in 2min 15 sec; decreasing to 7 inches TSI- No blow FF- Fair blow O.B.B in 10min; decreasing to 5 inches FSI- No blow				
Recovery - Total Feet	1590	GIP	124	Ft. in DC	180
Rec.	1141	Feet of	mcw	%gas	%oil 86%water 14% mud
Rec.	1426	Feet of	gassy saltwater	%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	125	*F Gravity	n/a	*API D @	*F Corrected Gravity *API
RW	.08 @ 79.4 *F	Chlorides	90,000 ppm	Recovery	Chlorides 5,000 ppm System

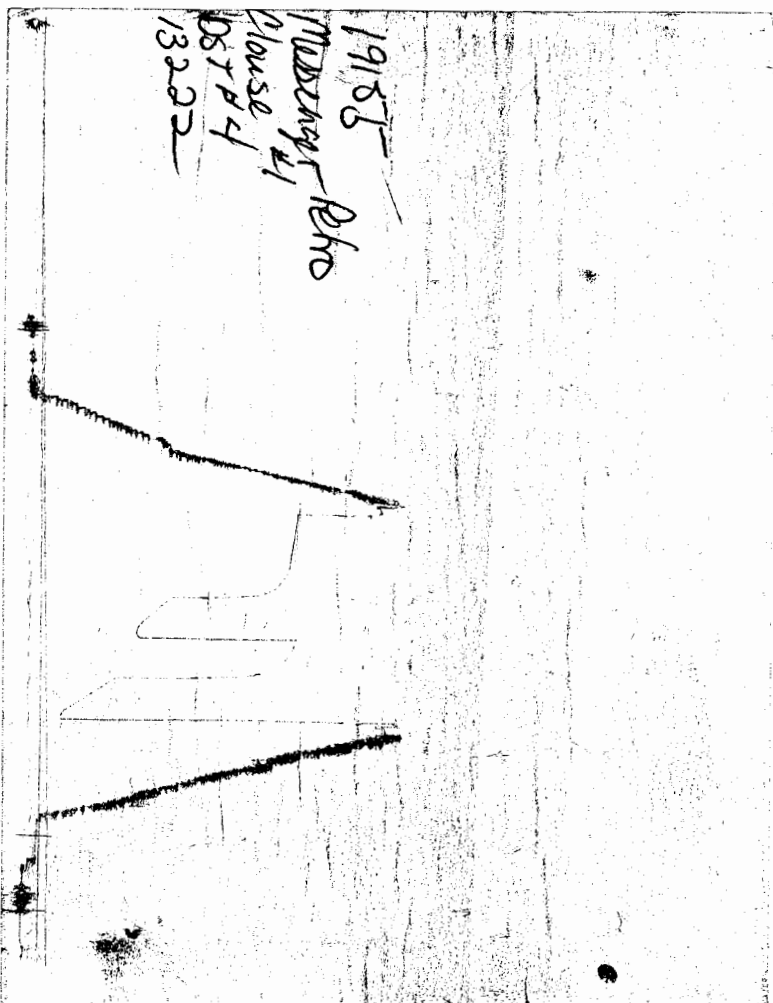
(A) Initial Hydrostatic Mud	AK-1	Alpine	1907	PSI	Recorder No.	6755	Test	bottom hole 700
(B) First Initial Flow Pressure			106	PSI	(depth)	3909	Elec. Rec.	✓ 150
(C) First Final Flow Pressure			493	PSI	Recorder No.	13222	Jars	
(D) Initial Shut-In Pressure			1438	PSI	(depth)	3932	Safety Jt.	
(E) Second Initial Flow Pressure			513	PSI	Recorder No.		Circ Sub	
(F) Second Final Flow Pressure			769	PSI	(depth)		Sampler	
(G) Final Shut-In Pressure			1450	PSI	Initial Opening	30	Straddle	
(Q) Final Hydrostatic Mud			1822	PSI	Initial Shut-In	30	Ext. Packer	
					Final Flow	30	Shale Packer	
					Final Shut-In	60	Mileage	40 68
					T-On Location	08:30	Sub Total:	918
					T-Started	14:44	Std. By	
					T-Open	17:21	Other	
					T-Pulled	19:51	Total:	
					T-Out	22:30		

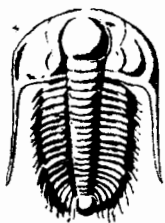
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Approved By *[Signature]*
Our Representative *[Signature]*

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No. 19156

05/03

Test Ticket

Well Name & No.	Clause #1	Test No.	5	Date	6/18/04
Company	Messenger Petroleum, Inc	Zone Tested	MISS		
Address	525 S. MAIN Kingman, KS 67068	Elevation	1769	KB	1760 GL
Co. Rep / Geo.	Jon Messenger	Cont.	Sterling Rig #4	Est. Ft. of Pay	Por. %
Location: Sec.	7	Twp.	29S	Rge.	8W
		Co.	Kingman	State	KS
No. of Copies		Disbtribution Sheet (Y, N)		Turnkey (Y, N)	
		Evaluation (Y, N)			

Interval Tested 4187 - 4198 Initial Str Wt./Lbs. 62,000 Unseated Str Wt./Lbs. 62,000
Anchor Length 11' Wt. Set Lbs. 22,000 Wt. Pulled Loose/Lbs. 99,000
Top Packer Depth 4182 Tool Weight 2200
Bottom Packer Depth 4187 Hole Size 7 7/8" Rubber Size 6 3/4"
Total Depth 4198 Wt. Pipe Run -91- Drill Collar Run 180
Mud Wt. 9.2 LCM -0- Vis. 44 Wt. 12.8 Drill Pipe Size 4 1/2 Ft. Run 4011
Blow Description IF - Strong blow O.B.B in 20 sec, GTS in 6 min
ISI - No blow
FF - Strong blow O.B.B ASAT opened
FSI - No blow

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
190	4001	180	10
Rec. 70	Feet of Mud	%gas	%oil
Rec. 120	Feet of MCW	%gas	%oil
Rec.	Feet of	%gas	%oil
Rec.	Feet of	%gas	%oil
Rec.	Feet of	%gas	%oil
BHT 109	°F Gravity 11/A	°API D @	°F Corrected Gravity
RW .15	@ 65.2 °F	Chlorides 56,000 ppm	Recovery Chlorides 9,000 ppm

AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	2036 PSI	6755	bottom hole 800
(B) First Initial Flow Pressure	40 PSI	4188	Elec. Rec. 150
(C) First Final Flow Pressure	81 PSI	13222	Jars
(D) Initial Shut-In Pressure	1431 PSI	4193	Safety Jt.
(E) Second Initial Flow Pressure	92 PSI		Circ Sub
(F) Second Final Flow Pressure	99 PSI		Sampler
(G) Final Shut-In Pressure	1418 PSI	Initial Opening	Straddle
(Q) Final Hydrostatic Mud	2038 PSI	Initial Shut-In	Ext. Packer
		Final Flow	Shale Packer
		Final Shut-In	Mileage 42 68
		T-On Location	Sub Total: 1018
		T-Started	Std. By
		T-Open	Other
		T-Pulled	Total:
		T-Out	

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Approved By *[Signature]*
Our Representative *[Signature]*



GAS VOLUME REPORT

REPORT
Clause # 1

WELL NAME AND NO.

DST NO.

Remarks: