

DRILL STEM TEST REPORT

Prepared For: **Messenger Petroleum, Inc.**

525 S. Main
Kingman, KS 67068

ATTN: Jon Messenger

15-29s-9w Kingman KS

LeRoy #1

Start Date: 2010.06.07 @ 16:06:00

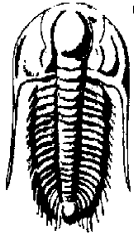
End Date: 2010.06.07 @ 22:42:20

Job Ticket #: 36960 DST #: 2

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

Printed: 2014.07.02 @ 12:49:03

Messenger Petroleum, Inc. LeRoy #1 15-29s-9w Kingman KS DST # 2 STOTLER 2010.06.07



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Messenger Petroleum, Inc.

LeRoy #1

525 S. Main
Kingman, KS 67068

15-29s-9w Kingman KS

ATTN: Jon Messenger

Job Ticket: 36960

DST#: 2

Test Start: 2010.06.07 @ 16:06:00

GENERAL INFORMATION:

Formation: **STOTLER**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:42:30

Time Test Ended: 22:42:20

Test Type: Conventional Straddle (Initial)

Tester: Jake Fahrenbruch

Unit No: 43

Interval: 2590.00 ft (KB) To 2605.00 ft (KB) (TVD)

Reference Elevations: 1695.00 ft (KB)

Total Depth: 2635.00 ft (KB) (TVD)

1686.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 9.00 ft

Serial #: 8648

Inside

Press@RunDepth: 122.83 psig @ 2597.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.06.07 End Date: 2010.06.07

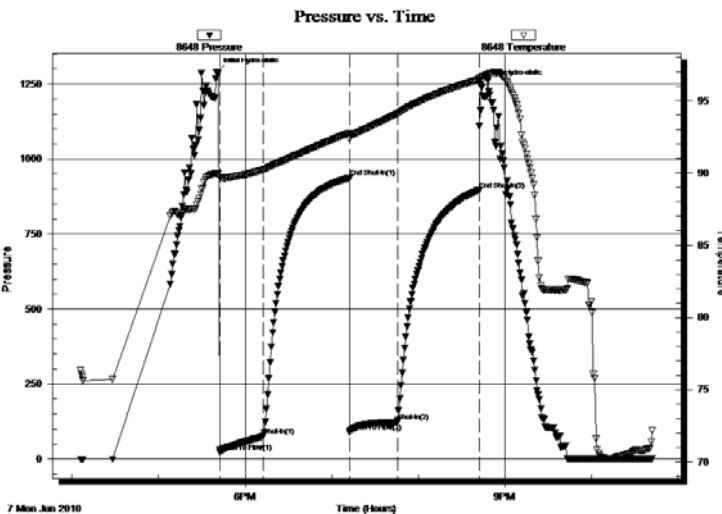
Last Calib.: 2010.06.07

Start Time: 16:06:05 End Time: 22:42:20

Time On Btm: 2010.06.07 @ 17:40:30

Time Off Btm: 2010.06.07 @ 20:43:20

TEST COMMENT: IF: Strong blow, BOB 25 seconds, No GTS.
 ISI: Bled off, weak blowback @ .5", blowback died.
 FF: Fair blow, BOB 30 minutes. No GTS.
 FSI: Bled off, no blowback.



PRESSURE SUMMARY

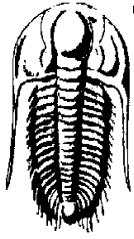
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1287.61	89.97	Initial Hydro-static
2	22.31	89.69	Open To Flow(1)
33	74.29	90.22	Shut-In(1)
92	936.42	92.75	End Shut-In(1)
92	89.00	92.35	Open To Flow(2)
125	122.83	94.08	Shut-In(2)
182	896.04	96.45	End Shut-In(2)
183	1247.21	96.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume(bbl)
130.00	Salt Water 100%w	0.64
110.00	WCM 10%w 90%m	0.72
0.00	120' +/- GIP	0.00
0.00	62,500 ppm chlorides	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Messenger Petroleum, Inc.

LeRoy #1

525 S. Main
Kingman, KS 67068

15-29s-9w Kingman KS

Job Ticket: 36960

DST#: 2

ATTN: Jon Messenger

Test Start: 2010.06.07 @ 16:06:00

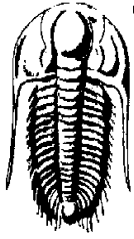
Tool Information

Drill Pipe:	Length: 2356.00 ft	Diameter: 3.80 inches	Volume: 33.05 bbl	Tool Weight:	3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 220.00 ft	Diameter: 2.25 inches	Volume: 1.08 bbl	Weight to Pull Loose:	60000.00 lb
			<u>Total Volume: 34.13 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial	57000.00 lb
Depth to Top Packer:	2590.00 ft			Final	57000.00 lb
Depth to Bottom Packer:	2605.00 ft				
Interval between Packers:	15.00 ft				
Tool Length:	73.00 ft				
Number of Packers:	3	Diameter: 6.75 inches			
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			2567.00	
Hydraulic tool	5.00			2572.00	
Jars	5.00			2577.00	
Safety Joint	3.00			2580.00	
Packer	5.00			2585.00	28.00 Bottom Of Top Packer
Packer	5.00			2590.00	
Stubb	1.00			2591.00	
Perforations	6.00			2597.00	
Recorder	0.00	8648	Inside	2597.00	
Recorder	0.00	8655	Outside	2597.00	
Perforations	5.00			2602.00	
Blank Off Sub	3.00			2605.00	15.00 Tool Interval
Packer	3.00			2608.00	
Perforations	22.00			2630.00	
Recorder	0.00	6799	Below	2630.00	
Bullnose	5.00			2635.00	30.00 Bottom Packers & Anchor Tool

Total Tool Length: 73.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Messenger Petroleum, Inc.

LeRoy #1

525 S. Main
Kingman, KS 67068

15-29s-9w Kingman KS

Job Ticket: 36960

DST#: 2

ATTN: Jon Messenger

Test Start: 2010.06.07 @ 16:06:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

62500 ppm

Viscosity: 28.00 sec/qt

Cushion Volume:

bbbl

Water Loss: in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 156000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
130.00	Salt Water 100%w	0.639
110.00	WCM 10%w 90%m	0.723
0.00	120' +/- GIP	0.000
0.00	62,500 ppm chlorides	0.000

Total Length: 240.00 ft Total Volume: 1.362 bbl

Num Fluid Samples: 0

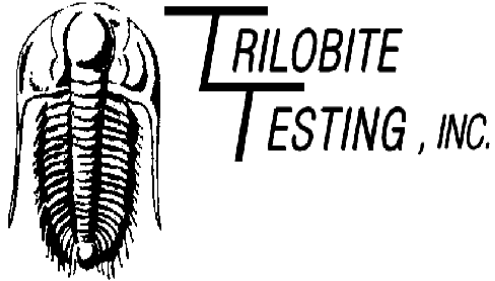
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .115 @ 73.6 = 62500 chlorides



DRILL STEM TEST REPORT

Prepared For: **Messenger Petroleum, Inc.**

525 S. Main
Kingman, KS 67068

ATTN: Jon Messenger

15-29s-9w Kingman KS

LeRoy #1

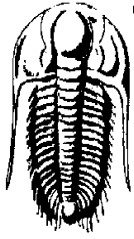
Start Date: 2010.06.13 @ 01:30:00

End Date: 2010.06.13 @ 10:05:40

Job Ticket #: 36964 DST #: 6

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

Printed: 2014.07.02 @ 12:50:31



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Messenger Petroleum, Inc.

LeRoy #1

525 S. Main
Kingman, KS 67068

15-29s-9w Kingman KS

ATTN: Jon Messenger

Job Ticket: 36964

DST#: 6

Test Start: 2010.06.13 @ 01:30:00

GENERAL INFORMATION:

Formation: **VIOLA**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:13:30

Time Test Ended: 10:05:40

Test Type: Conventional Bottom Hole (Reset)

Tester: Jake Fahrenbruch

Unit No: 43

Interval: 4464.00 ft (KB) To 4470.00 ft (KB) (TVD)

Reference Elevations: 1695.00 ft (KB)

Total Depth: 4470.00 ft (KB) (TVD)

1686.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 9.00 ft

Serial #: 8648

Inside

Press@RunDepth: 1367.52 psig @ 4465.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.06.13

End Date: 2010.06.13

Last Calib.: 2010.06.13

Start Time: 01:30:05

End Time: 10:05:39

Time On Btm: 2010.06.13 @ 04:12:30

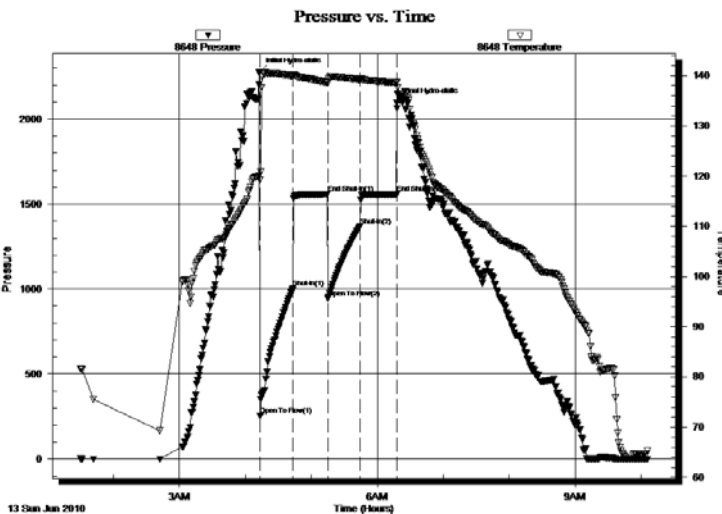
Time Off Btm: 2010.06.13 @ 06:17:50

TEST COMMENT: IF: Strong blow, BOB in 45 seconds. GTS 28 min (TSTM).

ISI: Bled off, 5 min, strong blow at BOB.

FF: Strong blow, BOB in 30 seconds.

FSI: Bled off, 10 minutes, strong blowback at BOB.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2273.44	120.01	Initial Hydro-static
1	253.72	119.32	Open To Flow(1)
31	1003.41	139.98	Shut-In(1)
63	1559.64	138.67	End Shut-In(1)
63	945.35	138.55	Open To Flow(2)
92	1367.52	139.23	Shut-In(2)
125	1558.81	138.62	End Shut-In(2)
126	2095.17	138.66	Final Hydro-static

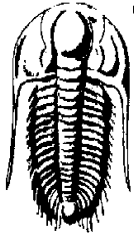
Recovery

Length (ft)	Description	Volume(bbl)
2555.00	Salt Water 100%w	33.84
580.00	Gassy Clean Oil	8.14
65.00	HGCW&OCM 25%g 5%w 15%o 55%m	0.91
0.00	Gas in A.F.F.P.	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Messenger Petroleum, Inc.

LeRoy #1

525 S. Main
Kingman, KS 67068

15-29s-9w Kingman KS

Job Ticket: 36964

DST#: 6

ATTN: Jon Messenger

Test Start: 2010.06.13 @ 01:30:00

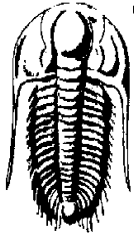
Tool Information

Drill Pipe:	Length: 4238.00 ft	Diameter: 3.80 inches	Volume: 59.45 bbl	Tool Weight:	3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 220.00 ft	Diameter: 2.25 inches	Volume: 1.08 bbl	Weight to Pull Loose:	90000.00 lb
			<u>Total Volume: 60.53 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial	72000.00 lb
Depth to Top Packer:	4464.00 ft			Final	84000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	6.00 ft				
Tool Length:	34.00 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			4441.00	
Hydraulic tool	5.00			4446.00	
Jars	5.00			4451.00	
Safety Joint	3.00			4454.00	
Packer	5.00			4459.00	28.00 Bottom Of Top Packer
Packer	5.00			4464.00	
Stubb	1.00			4465.00	
Recorder	0.00	8648	Inside	4465.00	
Recorder	0.00	6799	Inside	4465.00	
Bullnose	5.00			4470.00	6.00 Bottom Packers & Anchor Tool

Total Tool Length: 34.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Messenger Petroleum, Inc.

LeRoy #1

525 S. Main
Kingman, KS 67068

15-29s-9w Kingman KS

Job Ticket: 36964

DST#: 6

ATTN: Jon Messenger

Test Start: 2010.06.13 @ 01:30:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

77000 ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
2555.00	Salt Water 100%w	33.836
580.00	Gassy Clean Oil	8.136
65.00	HGCW&OCM 25%g 5%w 15%o 55%m	0.912
0.00	Gas in A.F.F.P.	0.000

Total Length: 3200.00 ft Total Volume: 42.884 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .104 @ 67F = 77000 ppm chlorides



DRILL STEM TEST REPORT

Prepared For: **Messenger Petroleum, Inc.**

525 S. Main
Kingman, KS 67068

ATTN: Jon Messenger

15-29s-9w Kingman KS

LeRoy #1

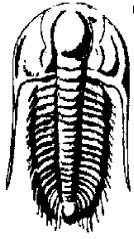
Start Date: 2010.06.11 @ 23:56:00

End Date: 2010.06.12 @ 07:17:00

Job Ticket #: 36963 DST #: 5

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

Printed: 2014.07.02 @ 12:50:10



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Messenger Petroleum, Inc.

LeRoy #1

525 S. Main
Kingman, KS 67068

15-29s-9w Kingman KS

ATTN: Jon Messenger

Job Ticket: 36963

DST#: 5

Test Start: 2010.06.11 @ 23:56:00

GENERAL INFORMATION:

Formation: **MISSISSIPPIAN**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:41:30

Time Test Ended: 07:17:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jake Fahrenbruch

Unit No: 43

Interval: 4197.00 ft (KB) To 4208.00 ft (KB) (TVD)

Reference Elevations: 1695.00 ft (KB)

Total Depth: 4208.00 ft (KB) (TVD)

1686.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 9.00 ft

Serial #: 8648

Inside

Press@RunDepth: 83.00 psig @ 4203.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.06.11

End Date:

2010.06.12

Last Calib.:

2010.06.12

Start Time: 23:56:05

End Time:

07:16:59

Time On Btm:

2010.06.12 @ 01:39:40

Time Off Btm:

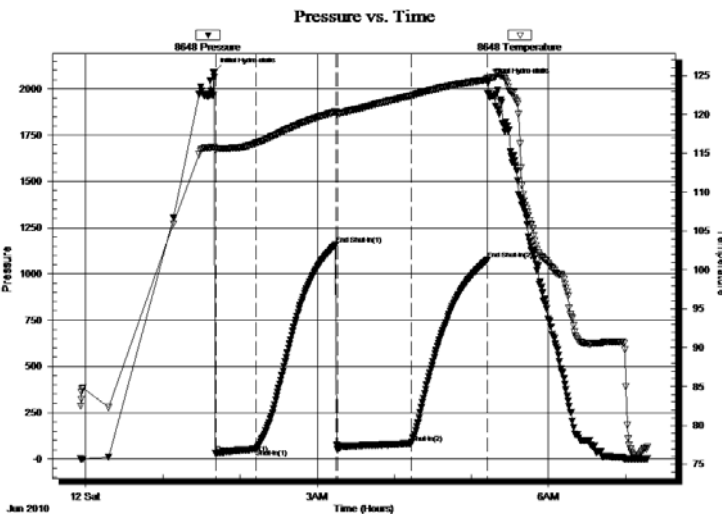
2010.06.12 @ 05:12:50

TEST COMMENT: IF: Fair blow, BOB in 1 minute.

ISI: Bled off, blowback @ 5".

FF: Fair blow, BOB in 30 seconds.

FSI: Bled off, blowback @ 2".



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2087.56	115.83	Initial Hydro-static
2	27.08	115.39	Open To Flow(1)
33	52.06	116.28	Shut-In(1)
95	1157.73	120.35	End Shut-In(1)
96	48.25	120.13	Open To Flow(2)
154	83.00	122.41	Shut-In(2)
213	1075.93	124.47	End Shut-In(2)
214	2031.80	124.65	Final Hydro-static

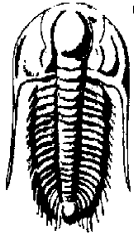
Recovery

Length (ft)	Description	Volume(bbl)
60.00	Gssy MOW 25%g 20%m 25%o 30%w	0.30
80.00	Vry Gssy MCOw 45%g 10%m 20%o 25%w	0.39
50.00	SOMCW 5%o 10%m 85%w	0.25
0.00	2370' GIP	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Messenger Petroleum, Inc.

LeRoy #1

525 S. Main
Kingman, KS 67068

15-29s-9w Kingman KS

Job Ticket: 36963

DST#: 5

ATTN: Jon Messenger

Test Start: 2010.06.11 @ 23:56:00

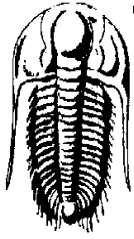
Tool Information

Drill Pipe:	Length: 3982.00 ft	Diameter: 3.80 inches	Volume: 55.86 bbl	Tool Weight:	3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 220.00 ft	Diameter: 2.25 inches	Volume: 1.08 bbl	Weight to Pull Loose:	80000.00 lb
			<u>Total Volume: 56.94 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial	70000.00 lb
Depth to Top Packer:	4197.00 ft			Final	70000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	11.00 ft				
Tool Length:	39.00 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			4174.00	
Hydraulic tool	5.00			4179.00	
Jars	5.00			4184.00	
Safety Joint	3.00			4187.00	
Packer	5.00			4192.00	28.00 Bottom Of Top Packer
Packer	5.00			4197.00	
Stubb	1.00			4198.00	
Perforations	5.00			4203.00	
Recorder	0.00	8648	Inside	4203.00	
Recorder	0.00	6799	Inside	4203.00	
Bullnose	5.00			4208.00	11.00 Bottom Packers & Anchor Tool

Total Tool Length: 39.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Messenger Petroleum, Inc.

LeRoy #1

525 S. Main
Kingman, KS 67068

15-29s-9w Kingman KS

Job Ticket: 36963

DST#: 5

ATTN: Jon Messenger

Test Start: 2010.06.11 @ 23:56:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

80000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	Gssy MOW 25%g 20%m 25%o 30%w	0.295
80.00	Vry Gssy MCOw 45%g 10%m 20%o 25%w	0.393
50.00	SOMCW 5%o 10%m 85%w	0.246
0.00	2370' GIP	0.000

Total Length: 190.00 ft Total Volume: 0.934 bbl

Num Fluid Samples: 0

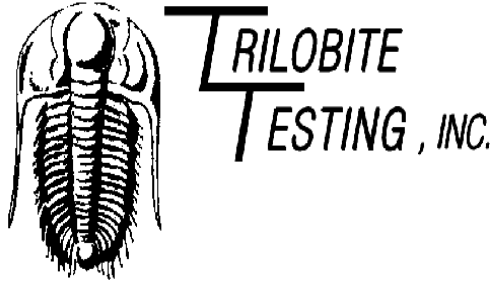
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .09 @ 76F = 80000 ppm chlorides



DRILL STEM TEST REPORT

Prepared For: **Messenger Petroleum, Inc.**

525 S. Main
Kingman, KS 67068

ATTN: Jon Messenger

15-29s-9w Kingman KS

LeRoy #1

Start Date: 2010.06.10 @ 21:17:00

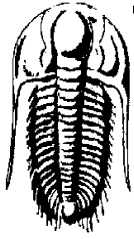
End Date: 2010.06.11 @ 04:08:50

Job Ticket #: 36962 DST #: 4

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

Printed: 2014.07.02 @ 12:49:48

Messenger Petroleum, Inc.
LeRoy #1
15-29s-9w Kingman KS
DST # 4
HERTHA
2010.06.10



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Messenger Petroleum, Inc.

LeRoy #1

525 S. Main
Kingman, KS 67068

15-29s-9w Kingman KS

ATTN: Jon Messenger

Job Ticket: 36962

DST#: 4

Test Start: 2010.06.10 @ 21:17:00

GENERAL INFORMATION:

Formation: **HERTHA**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:57:30

Time Test Ended: 04:08:50

Test Type: Conventional Bottom Hole (Reset)

Tester: Jake Fahrenbruch

Unit No: 43

Interval: 3940.00 ft (KB) To 3949.00 ft (KB) (TVD)

Reference Elevations: 1695.00 ft (KB)

Total Depth: 3949.00 ft (KB) (TVD)

1686.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 9.00 ft

Serial #: 8648

Inside

Press@RunDepth: 109.14 psig @ 3944.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.06.10

End Date:

2010.06.11

Last Calib.: 2010.06.11

Start Time: 21:17:05

End Time:

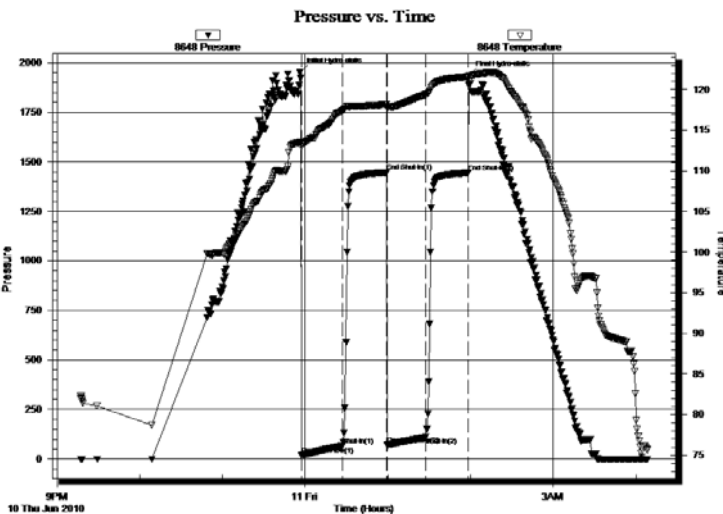
04:08:50

Time On Btm: 2010.06.10 @ 23:56:20

Time Off Btm: 2010.06.11 @ 01:58:40

TEST COMMENT: IF: Weak blow, built to 4.5".
ISI: No blowback.
FF: Weak blow, built to 2.5".
FSI: No blowback.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1949.94	113.47	Initial Hydro-static
2	18.20	112.94	Open To Flow(1)
31	66.29	117.39	Shut-In(1)
63	1446.08	118.16	End Shut-In(1)
63	70.02	117.76	Open To Flow(2)
92	109.14	119.39	Shut-In(2)
123	1444.10	121.58	End Shut-In(2)
123	1933.78	121.71	Final Hydro-static

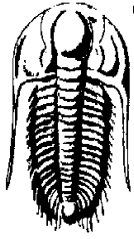
Recovery

Length (ft)	Description	Volume(bbl)
190.00	SMCW 10%w 90%w	0.93
0.00	72,000 ppm chlorides	0.00
0.00	No GIP	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Messenger Petroleum, Inc.

LeRoy #1

525 S. Main
Kingman, KS 67068

15-29s-9w Kingman KS

Job Ticket: 36962

DST#: 4

ATTN: Jon Messenger

Test Start: 2010.06.10 @ 21:17:00

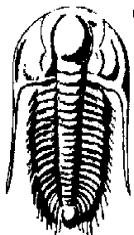
Tool Information

Drill Pipe:	Length: 3733.00 ft	Diameter: 3.80 inches	Volume: 52.36 bbl	Tool Weight:	3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 220.00 ft	Diameter: 2.25 inches	Volume: 1.08 bbl	Weight to Pull Loose:	75000.00 lb
			<u>Total Volume: 53.44 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial	69000.00 lb
Depth to Top Packer:	3940.00 ft			Final	69000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	9.00 ft				
Tool Length:	29.00 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			3925.00		
Hydraulic tool	5.00			3930.00		
Packer	5.00			3935.00	20.00	Bottom Of Top Packer
Packer	5.00			3940.00		
Stubb	1.00			3941.00		
Perforations	3.00			3944.00		
Recorder	0.00	8648	Inside	3944.00		
Recorder	0.00	6799	Outside	3944.00		
Bullnose	5.00			3949.00	9.00	Bottom Packers & Anchor Tool

Total Tool Length: 29.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Messenger Petroleum, Inc.

LeRoy #1

525 S. Main
Kingman, KS 67068

15-29s-9w Kingman KS

Job Ticket: 36962

DST#: 4

ATTN: Jon Messenger

Test Start: 2010.06.10 @ 21:17:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

72000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 12.37 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
190.00	SMCW 10%m 90%w	0.934
0.00	72,000 ppm chlorides	0.000
0.00	No GIP	0.000

Total Length: 190.00 ft Total Volume: 0.934 bbl

Num Fluid Samples: 0

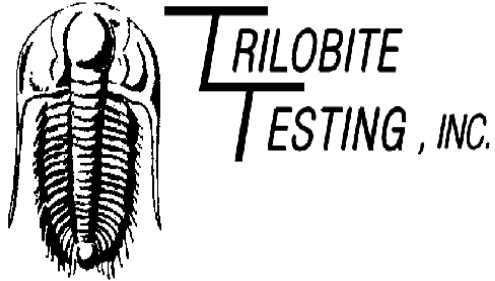
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .10 @ 75F = 72000 ppm chlorides



DRILL STEM TEST REPORT

Prepared For: **Messenger Petroleum, Inc.**

525 S. Main
Kingman, KS 67068

ATTN: Jon Messenger

15-29s-9w Kingman KS

LeRoy #1

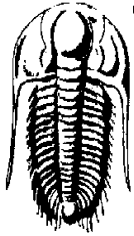
Start Date: 2010.06.10 @ 07:14:00

End Date: 2010.06.10 @ 13:58:20

Job Ticket #: 36961 DST #: 3

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

Printed: 2014.07.02 @ 12:49:27



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Messenger Petroleum, Inc.

LeRoy #1

525 S. Main
Kingman, KS 67068

15-29s-9w Kingman KS

ATTN: Jon Messenger

Job Ticket: 36961

DST#: 3

Test Start: 2010.06.10 @ 07:14:00

GENERAL INFORMATION:

Formation: **DENNIS & SWOPE**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:11:40

Time Test Ended: 13:58:20

Test Type: Conventional Bottom Hole (Reset)

Tester: Jake Fahrenbruch

Unit No: 43

Interval: 3870.00 ft (KB) To 3914.00 ft (KB) (TVD)

Reference Elevations: 1695.00 ft (KB)

Total Depth: 3914.00 ft (KB) (TVD)

1686.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 9.00 ft

Serial #: 8648

Inside

Press@RunDepth: 319.75 psig @ 3875.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.06.10

End Date: 2010.06.10

Last Calib.: 2010.06.10

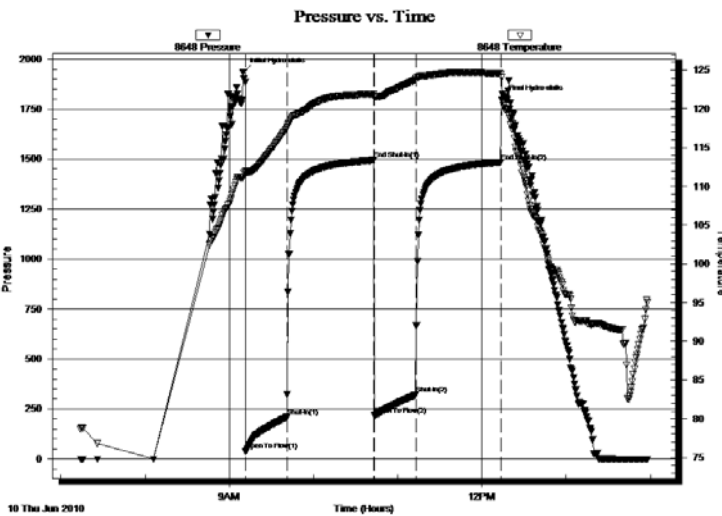
Start Time: 07:14:05

End Time: 13:58:20

Time On Btm: 2010.06.10 @ 09:10:10

Time Off Btm: 2010.06.10 @ 12:14:00

TEST COMMENT: IF: Fair blow, built to BOB in 9 minutes.
 ISI: Bled off, weak surface blowback died after 40 minutes.
 FF: Fair blow, built to BOB in 16 minutes.
 FSI: Bled off, no blowback.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1932.56	111.21	Initial Hydro-static
2	38.96	111.61	Open To Flow(1)
31	210.35	117.50	Shut-In(1)
93	1494.49	121.89	End Shut-In(1)
93	216.20	121.51	Open To Flow(2)
123	319.75	123.78	Shut-In(2)
184	1484.87	124.53	End Shut-In(2)
184	1795.15	124.05	Final Hydro-static

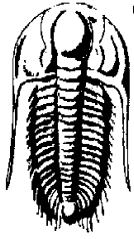
Recovery

Length (ft)	Description	Volume(bbl)
580.00	Salt Water 100%w	6.13
40.00	MCW 15%m 85%w	0.56
0.00	118,000 ppm chlorides	0.00
0.00	scum of oil on top of fluid	0.00
0.00	60' GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Messenger Petroleum, Inc.

LeRoy #1

525 S. Main
Kingman, KS 67068

15-29s-9w Kingman KS

Job Ticket: 36961

DST#: 3

ATTN: Jon Messenger

Test Start: 2010.06.10 @ 07:14:00

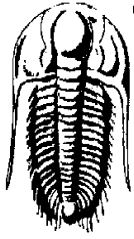
Tool Information

Drill Pipe:	Length: 3640.00 ft	Diameter: 3.80 inches	Volume: 51.06 bbl	Tool Weight:	3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 220.00 ft	Diameter: 2.25 inches	Volume: 1.08 bbl	Weight to Pull Loose:	75000.00 lb
			<u>Total Volume: 52.14 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial	67000.00 lb
Depth to Top Packer:	3870.00 ft			Final	70000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	44.00 ft				
Tool Length:	64.00 ft				
Number of Packers:	3	Diameter: 6.75 inches			
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3855.00	
Hydraulic tool	5.00			3860.00	
Packer	5.00			3865.00	20.00 Bottom Of Top Packer
Packer	5.00			3870.00	
Stubb	1.00			3871.00	
Perforations	4.00			3875.00	
Recorder	0.00	8648	Inside	3875.00	
Recorder	0.00	6799	Inside	3875.00	
Blank Spacing	34.00			3909.00	
Bullnose	5.00			3914.00	44.00 Bottom Packers & Anchor Tool

Total Tool Length: 64.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Messenger Petroleum, Inc.

LeRoy #1

525 S. Main
Kingman, KS 67068

15-29s-9w Kingman KS

Job Ticket: 36961

DST#: 3

ATTN: Jon Messenger

Test Start: 2010.06.10 @ 07:14:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

118000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 12.37 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
580.00	Salt Water 100%w	6.132
40.00	MCW 15%w 85%w	0.561
0.00	118,000 ppm chlorides	0.000
0.00	scum of oil on top of fluid	0.000
0.00	60' GIP	0.000

Total Length: 620.00 ft Total Volume: 6.693 bbl

Num Fluid Samples: 0

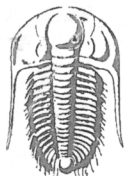
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .055@ 89F = 118000 chlorides



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED JUN 18 2010

Test Ticket

NO. 36960 14389

10/08

Well Name & No. LE ROY #1 BY: _____ Test No. 2 Date 7 JUNE 2010
 Company MESSENGER PETROLEUM, INC. Elevation 1695 KB 1686 GL _____
 Address 525 SOUTH MAIN, KINGMAN, KANSAS, 67068
 Co. Rep / Geo. JON MESSENGER Rig STERLING DRILG. Co., RIG #4
 Location: Sec. 15 Twp. 29s Rge. 9w Co. KINGMAN State KANSAS

Interval Tested 2590-2605 Zone Tested STOTLER
 Anchor Length 15 Drill Pipe Run 2356' (4 1/2" x 0-16") Mud Wt. 9.5
 Top Packer Depth 2585 & 2590 Drill Collars Run 220' (6 1/2" x 2 1/4" x 4 1/2" XH) Vis 28
 Bottom Packer Depth 2605 Wt. Pipe Run NONE WL NA
 Total Depth 2635 Chlorides 156,000 ppm System LCM 0

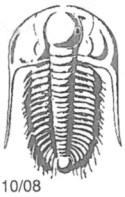
Blow Description IF: STRONG BLOW, BOB 25 SECONDS. NO G.T.S.
IST: BLED OFF, WEAK BLOWBACK @ 1", BLOWBACK DIED.
FF: FAIR BLOW, BOB 30 MINUTES. NO G.T.S.
FSI: BLED OFF, NO BLOWBACK.

Rec	Feet of	%gas	%oil	%water	%mud
<u>110</u>	<u>WCM</u>		<u>10</u>	<u>90</u>	
<u>130</u>	<u>SALT WATER</u>		<u>100</u>		
<u>—</u>	<u>120' +/- G.I.P.</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 240 BHT 96.5°F Gravity NA API RW .1152 @ 73.6°F Chlorides 62,500 ppm

(A) Initial Hydrostatic 1204 Test #1,125- T-On Location 14:40
 (B) First Initial Flow 22 Jars #250- T-Started 16:06 (1H)
 (C) First Final Flow 74 Safety Joint #75- T-Open 17:42
 (D) Initial Shut-In 936 Circ Sub NO CHARGE T-Pulled 20:42
 (E) Second Initial Flow 89 Hourly Standby _____ T-Out 22:15
 (F) Second Final Flow 123 Mileage 74 R.T. PRATT - \$92.50 Comments VALID STRADDLE TEST
@ \$1.25/MILE
 (G) Final Shut-In 896 Sampler _____
 (H) Final Hydrostatic 1209 Straddle \$600-
 Shale Packer \$250-
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total \$2,392.50
 Initial Open 30
 Initial Shut-In 60
 Final Flow 30
 Final Shut-In 60
 Sub Total _____
 Total _____

Approved By [Signature] Our Representative [Signature]
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
JUN 18 2010
BY: _____

Test Ticket

NO. 36961

Well Name & No. LEROY #1 Test No. 23 Date 10. JUNE. 2010
 Company MESSENGER PETROLEUM, INC. Elevation 1695 KB 1686 GL
 Address 525 SOUTH MAIN, KENLMAN, KANSAS, 67068
 Co. Rep / Geo. JON MESSENGER Rig STERLING DRUG CO., RIG #4
 Location: Sec. 15 Twp. 29S Rge. 9W Co. KENLMAN State KANSAS

Interval Tested 3870-3914 Zone Tested DENNIS & SNOPE
 Anchor Length 44 Drill Pipe Run 3640' (4 1/2" x 0-16") Mud Wt. 9.3
 Top Packer Depth 3865 Drill Collars Run 220' (6 1/2" x 2 1/4" x 4 1/2" x 0) Vis 54
 Bottom Packer Depth 3870 Wt. Pipe Run NONE WL 12.4
 Total Depth 3914 Chlorides 4,000 ppm System LCM 0

Blow Description IF: FAIR BLOW, BUILT TO BOB IN 9 MINUTES.
ISF: BLED OFF, WEAK SURFACE BLOWBACK DIED AFTER 40 MINUTES.
FF: FAIR BLOW, BUILT TO BOB IN 16 MINUTES.
FSI: BLED OFF, NO BLOWBACK.

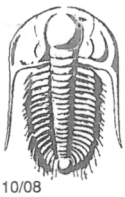
Rec	Feet of	%gas	%oil	%water	%mud
<u>40</u>	<u>MCW</u>		<u>85</u>	<u>15</u>	
<u>580</u>	<u>SALT WATER</u>		<u>100</u>		
<u>—</u>	<u>(SCUM OF OIL ON TOP OF FLUID)</u>				
<u>—</u>	<u>60' GIP</u>				
<u>—</u>					

Rec Total 620 BHT 124.5°F Gravity _____ API RW .0532@ 89 °F Chlorides 118,000 ppm

(A) Initial Hydrostatic 1797 Test 1125 T-On Location 0650
 (B) First Initial Flow 39 Jars _____ T-Started 0714 (1 1/2 H)
 (C) First Final Flow 210 Safety Joint _____ T-Open 0911
 (D) Initial Shut-In 1494 Circ Sub NO CHARGE T-Pulled 1213
 (E) Second Initial Flow 216 Hourly Standby _____ T-Out 1400
 (F) Second Final Flow 320 Mileage 74 RT PRAT = 92.50 Comments _____
 (G) Final Shut-In 1485 Sampler _____ @ 1.25/MILE ISW: 67000
 (H) Final Hydrostatic 1795 Straddle _____ FSW: 70000
 Shale Packer _____ WPL: 75000
 Shale Packer _____ Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____
 Initial Open 30 Day Standby _____ Sub Total _____
 Initial Shut-In 60 Accessibility _____ Total _____
 Final Flow 30 Sub Total \$ 1,217.50

Approved By [Signature] Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
JUN 18 2010

Test Ticket

NO. 36962

Well Name & No. LEROY #1 BY: _____ Test No. 4 Date 11-JUNE-2010
 Company MESSENGER PETROLEUM, INC. Elevation 1695 KB 1686 GL
 Address 525 SOUTH MAIN, KINGMAN, KANSAS 67068
 Co. Rep / Geo. JOHN MESSENGER Rig STERLING DRUG CO., REG #4
 Location: Sec. 15 Twp. 29s Rge. 9w Co. KINGMAN State KANSAS

Interval Tested 3940 - 3949 Zone Tested HERTHA
 Anchor Length 9 Drill Pipe Run 3733' (4 1/2" x 0 - 16") Mud Wt. 9.3
 Top Packer Depth 3935 Drill Collars Run 220' (6 1/2" x 2 1/4" x 1/2" x 0) Vis 54
 Bottom Packer Depth 3940 Wt. Pipe Run NONE WL 12.4
 Total Depth 3949 Chlorides 4000 ppm System LCM 0
 Blow Description IF: WEAK BLOW, BUBBLE TO 4 1/2"
ISI: NO BLOWBACK.
FF: WEAK BLOW, BUBBLE TO 2 1/2"
FSI: NO BLOWBACK.

Rec	Feet of	%gas	%oil	%water	%mud
<u>190</u>	<u>SMLW</u>			<u>90</u>	<u>10</u>
<u>—</u>	<u>NO GIP</u>				

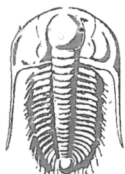
Rec Total 190 BHT 121.6 °F Gravity NA API RW 10.0 @ 75 °F Chlorides 72,000 ppm

(A) Initial Hydrostatic 1857 Test \$1,125.00 T-On Location 20:40
 (B) First Initial Flow 18 Jars _____ T-Started 21:17 (1 1/2 h)
 (C) First Final Flow 66 Safety Joint _____ T-Open 23:57
 (D) Initial Shut-In 1446 Circ Sub NO CHARGE T-Pulled 01:58
 (E) Second Initial Flow 70 Hourly Standby _____ T-Out 04:00
 (F) Second Final Flow 109 Mileage 74 RT. PRAT \$9250 @ 1.25/mile Comments _____
 (G) Final Shut-In 1444 Sampler _____
 (H) Final Hydrostatic 1854 Straddle _____

Shale Packer _____ Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____
 Day Standby _____ Sub Total _____
 Accessibility _____ Total _____

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30
 Sub Total \$1,217.50

Approved By [Signature] Our Representative [Signature]
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment or its statements or opinion concerning the results of any test. tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED JUN 18 2010

Test Ticket

NO. 36963

10/08

BY: _____

Well Name & No. LEBOY #1 Test No. 5 Date 12 JUNE 2010
 Company MESSENGE PETROLEUM, INC. Elevation 1695 KB 1686 GL
 Address 525 S. MAIN, KINGMAN, KANSAS, 67068
 Co. Rep / Geo. STEVE McCLAIN / KURT TALBOTT Rig STERLING DRUG CO., RIG #4
 Location: Sec. 15 Twp. 29s Rge. 9w Co. KINGMAN State KANSAS

Interval Tested 4197-4208 Zone Tested MISSISSIPPIAN
 Anchor Length 11 Drill Pipe Run 3982' (4 1/2" x 16") Mud Wt. 9.2
 Top Packer Depth 4192 Drill Collars Run 220' (6 1/2" x 2 1/4" x 4 1/2" x 0) Vis 48
 Bottom Packer Depth 4197 Wt. Pipe Run NONE WL 12.0
 Total Depth 4208 Chlorides 6,000 ppm System LCM 0#

Blow Description IF: FAIR BLOW BOB 1 MINUTE.
ISI: BLED OFF, BLOWBACK BUILT TO 5".
PF: FAIR BLOW, BOB 30 SECONDS.
FSI: BLED OFF, BLOWBACK BUILT TO 2".

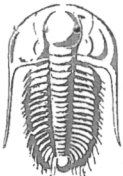
Rec	Feet of	%gas	%oil	%water	%mud
		45	20	25	10
Rec <u>60</u>	Feet of <u>GSSY MOW</u>	<u>25</u>	<u>25</u>	<u>30</u>	<u>20</u>
Rec <u>80</u>	Feet of <u>VERY GSSY MLOW</u>	<u>45</u>	<u>20</u>	<u>25</u>	<u>10</u>
Rec <u>50</u>	Feet of <u>SOMLOW</u>	<u>5</u>	<u>85</u>	<u>10</u>	<u>0</u>
Rec <u>—</u>	Feet of <u>2370' GAS IN PIPE</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>

Rec Total 190' BHT 124°F Gravity NC API RW 09.2@ 76 °F Chlorides 80000 ppm

(A) Initial Hydrostatic <u>1968</u>	<input checked="" type="checkbox"/> Test <u>\$1225.00</u>	T-On Location <u>23:30</u>
(B) First Initial Flow <u>27</u>	<input checked="" type="checkbox"/> Jars <u>\$250.00</u>	T-Started <u>23:56 (1 1/2 H)</u>
(C) First Final Flow <u>52</u>	<input checked="" type="checkbox"/> Safety Joint <u>\$75.00</u>	T-Open <u>01:41</u>
(D) Initial Shut-In <u>1158</u>	<input checked="" type="checkbox"/> Circ Sub <u>NO CHARGE</u>	T-Pulled <u>05:12</u>
(E) Second Initial Flow <u>48</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>07:15</u>
(F) Second Final Flow <u>83</u>	<input checked="" type="checkbox"/> Mileage <u>74 RT. FRAT \$92.50</u>	Comments <u>ISW: 70,000</u>
(G) Final Shut-In <u>1076</u>	<input type="checkbox"/> Sampler	<u>FSW: 70,000</u>
(H) Final Hydrostatic <u>1965</u>	<input type="checkbox"/> Straddle	<u>WPL: 80,000</u>
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>60</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility	Total <u>1642.50</u>
	Sub Total <u>\$1642.50</u>	

Approved By _____ Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
JUN 18 2010

Test Ticket

NO. 36964

10/08

BY: _____

Well Name & No. LEROY #1 Test No. 6 Date 13 JUNE 2010

Company MESSENGER PETROLEUM, INC. Elevation 1695 KB 1686 GL _____

Address 525 SOUTH MAIN, KINGMAN, KANSAS, 67068

Co. Rep / Geo. STEVE McCLAIN Rig STERLING DRUG CO., RIG #4

Location: Sec. 15 Twp. 29s Rge. 9w Co. KINGMAN State KANSAS

Interval Tested 4464-4470 Zone Tested VIOLA

Anchor Length 6 Drill Pipe Run 4238' (4 1/2" x 0 x 16") Mud Wt. 9.2

Top Packer Depth 4459 Drill Collars Run 220' (6 1/2" x 2 1/4" x 9 1/2" x 0) Vis 62

Bottom Packer Depth 4464 Wt. Pipe Run NONE WL 10.8

Total Depth 4470 Chlorides 5,500 ppm System LCM 0

Blow Description IF: STRONG BLOW, BOB 45 SECONDS, GTS 28 MIN (TSTM)
ISI: BLED OFF 5 MIN, STRONG BLOWBACK @ BOB.
FF: STRONG BLOW, BOB 30 SECONDS.
FSI: BLED OFF 10 MIN, STRONG BLOWBACK @ BOB.

Rec	Feet of	%gas	%oil	%water	%mud
<u>65</u>	<u>HGC W&DCM</u>	<u>25</u>	<u>15</u>	<u>5</u>	<u>55</u>
<u>580</u>	<u>CLEAN GASSY OIL</u>				
<u>2535</u>	<u>SALT WATER</u>				
____	Feet of _____	%gas	%oil	%water	%mud
____	Feet of _____	%gas	%oil	%water	%mud

Rec Total 3200 BHT 138.69F Gravity 37.0 API RW. 104.0 @ 67 °F Chlorides 77,000 ppm

(A) Initial Hydrostatic <u>2115</u>	<input checked="" type="checkbox"/> Test <u>1225.00</u>	T-On Location <u>01:00</u>
(B) First Initial Flow <u>254</u>	<input checked="" type="checkbox"/> Jars <u>250.00</u>	T-Started <u>01:30</u>
(C) First Final Flow <u>1003</u>	<input checked="" type="checkbox"/> Safety Joint <u>75.00</u>	T-Open <u>04:13</u>
(D) Initial Shut-In <u>1560</u>	<input checked="" type="checkbox"/> Circ Sub <u>NO CHANGE</u>	T-Pulled <u>06:17</u>
(E) Second Initial Flow <u>945</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>09:30</u>
(F) Second Final Flow <u>1368</u>	<input checked="" type="checkbox"/> Mileage <u>74 RT. = 92.50</u>	Comments _____
(G) Final Shut-In <u>1559</u>	<input type="checkbox"/> Sampler _____	_____
(H) Final Hydrostatic <u>2095</u>	<input type="checkbox"/> Straddle _____	_____
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Ruined Packer _____
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	<input type="checkbox"/> Extra Copies _____
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby _____	Sub Total _____
	<input type="checkbox"/> Accessibility _____	Total _____
	Sub Total <u>\$1,642.50</u>	

Approved By _____ Our Representative [Signature]

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