



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1127446

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method: Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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DRILL STEM TEST REPORT

Prepared For: **Messenger Petroleum Inc.**

525 S.Main
Kingman KS 67068

ATTN: Frank Mize

Hayes #1

23-28s-12w Pratt,KS

Start Date: 2012.04.21 @ 02:11:33

End Date: 2012.04.21 @ 09:01:48

Job Ticket #: 45793 DST #: 1

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

Printed: 2012.05.03 @ 09:58:42



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Messenger Petroleum Inc.

23-28s-12w Pratt,KS

525 S.Main
Kingman KS 67068

Hayes #1

Job Ticket: 45793

DST#: 1

ATTN: Frank Mize

Test Start: 2012.04.21 @ 02:11:33

GENERAL INFORMATION:

Formation: **Lans.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:10:33

Time Test Ended: 09:01:48

Test Type: Conventional Bottom Hole (Initial)

Tester: Gary Pevoteaux

Unit No: 56

Interval: 3887.00 ft (KB) To 3909.00 ft (KB) (TVD)

Reference Elevations: 1870.00 ft (KB)

Total Depth: 3909.00 ft (KB) (TVD)

1861.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

Serial #: 8352 Outside

Press @ Run Depth: 113.06 psig @ 3888.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.21

End Date:

2012.04.21

Last Calib.:

2012.04.21

Start Time: 02:11:38

End Time:

09:01:47

Time On Btm:

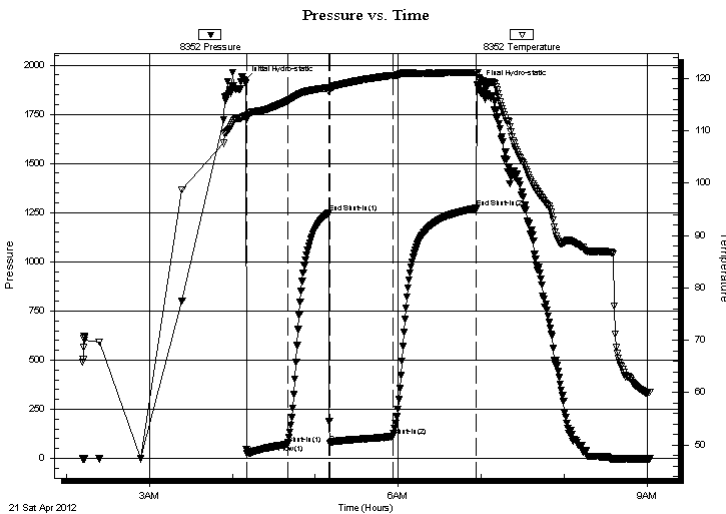
2012.04.21 @ 04:08:33

Time Off Btm:

2012.04.21 @ 06:58:18

TEST COMMENT: IF: Strong blow . B.O.B. in 2 1/2 mins.
IS: Weak blow . 1/4 - 1/2"
FF: Fair to strong blow . B.O.B. in 12 mins.
FS: Weak blow . 1/4 - 1/2"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1919.68	112.73	Initial Hydro-static
2	24.24	112.47	Open To Flow (1)
32	73.15	115.71	Shut-In(1)
62	1248.24	118.20	End Shut-In(1)
62	77.01	117.84	Open To Flow (2)
108	113.06	120.57	Shut-In(2)
168	1272.31	121.13	End Shut-In(2)
170	1899.23	119.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	MW /w o specs 6%m 94%w	0.59
100.00	GOCWM 33%g 27%o 12%w 28%m	0.58
0.00	860 ft.of GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Messenger Petroleum Inc.

23-28s-12w Pratt, KS

525 S. Main
Kingman KS 67068

Hayes #1

Job Ticket: 45793

DST#: 1

ATTN: Frank Mize

Test Start: 2012.04.21 @ 02:11:33

Tool Information

Drill Pipe:	Length: 3672.00 ft	Diameter: 3.80 inches	Volume: 51.51 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 210.00 ft	Diameter: 2.25 inches	Volume: 1.03 bbl	Weight to Pull Loose: 79000.00 lb
			<u>Total Volume: 52.54 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	3887.00 ft			Final 69000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	50.00 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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C.O. Sub	1.00			3860.00	
Shut in tool	5.00			3865.00	
HMV	5.00			3870.00	
Jars	5.00			3875.00	
Safety Joint	3.00			3878.00	
Packer	4.00			3882.00	28.00 Bottom Of Top Packer
Packer	5.00			3887.00	
Stubb	1.00			3888.00	
Recorder	0.00	8370	Inside	3888.00	
Recorder	0.00	8352	Outside	3888.00	
Perforations	16.00			3904.00	
Bullnose	5.00			3909.00	22.00 Bottom Packers & Anchor

Total Tool Length: 50.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Messenger Petroleum Inc.

23-28s-12w Pratt,KS

525 S.Main
Kingman KS 67068

Hayes #1

Job Ticket: 45793

DST#: 1

ATTN: Frank Mize

Test Start: 2012.04.21 @ 02:11:33

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: 111000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.97 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
120.00	MW /w o specs 6%m 94%w	0.590
100.00	GOCWM 33%g 27%o 12%w 28%m	0.583
0.00	860 ft.of GIP	0.000

Total Length: 220.00 ft Total Volume: 1.173 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

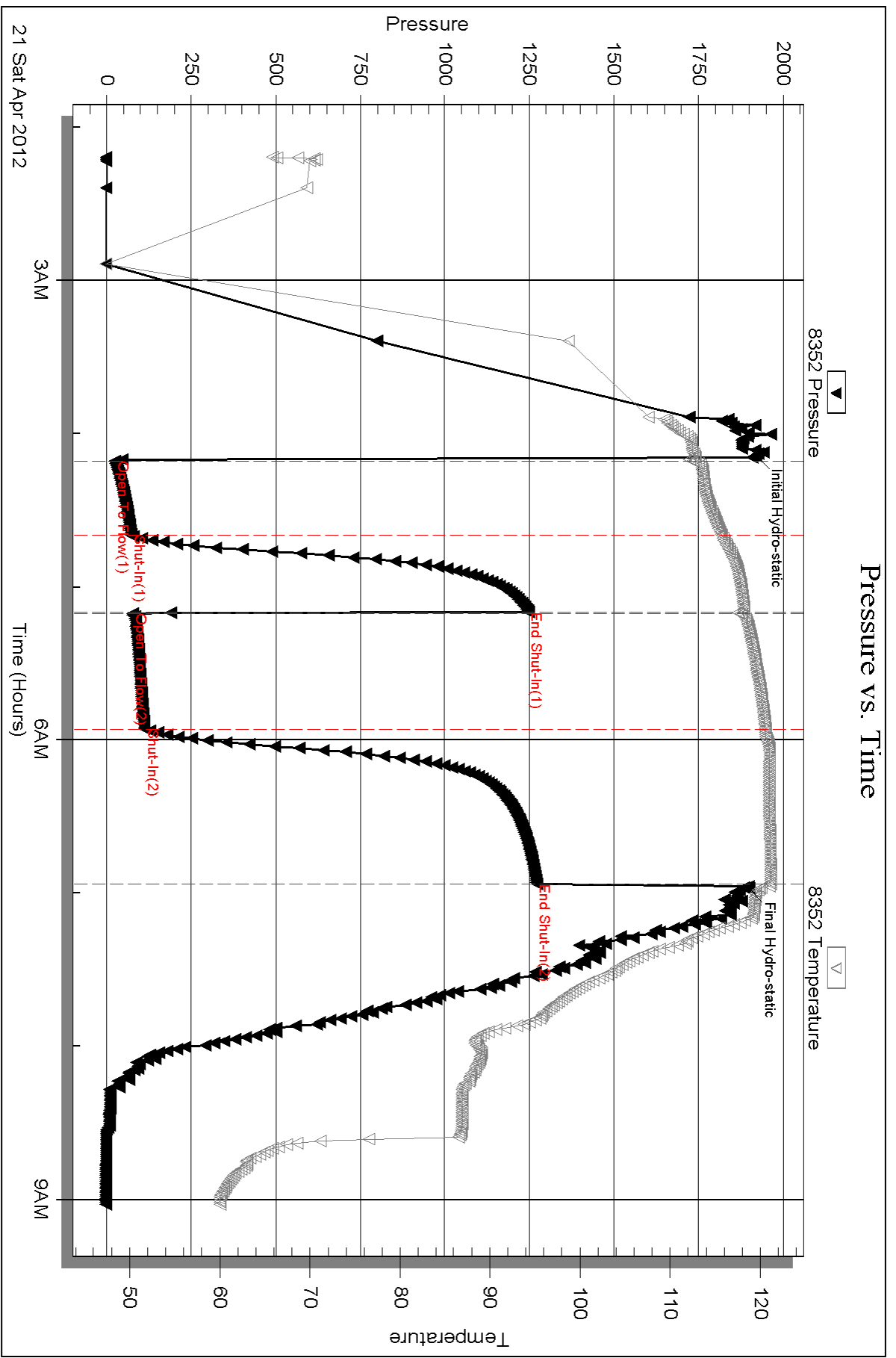
Recovery Comments: Rw .11 ohms @ 49deg

Serial #: 8352

Outside Messenger Petroleum Inc.

Hayes #1

DST Test Number: 1



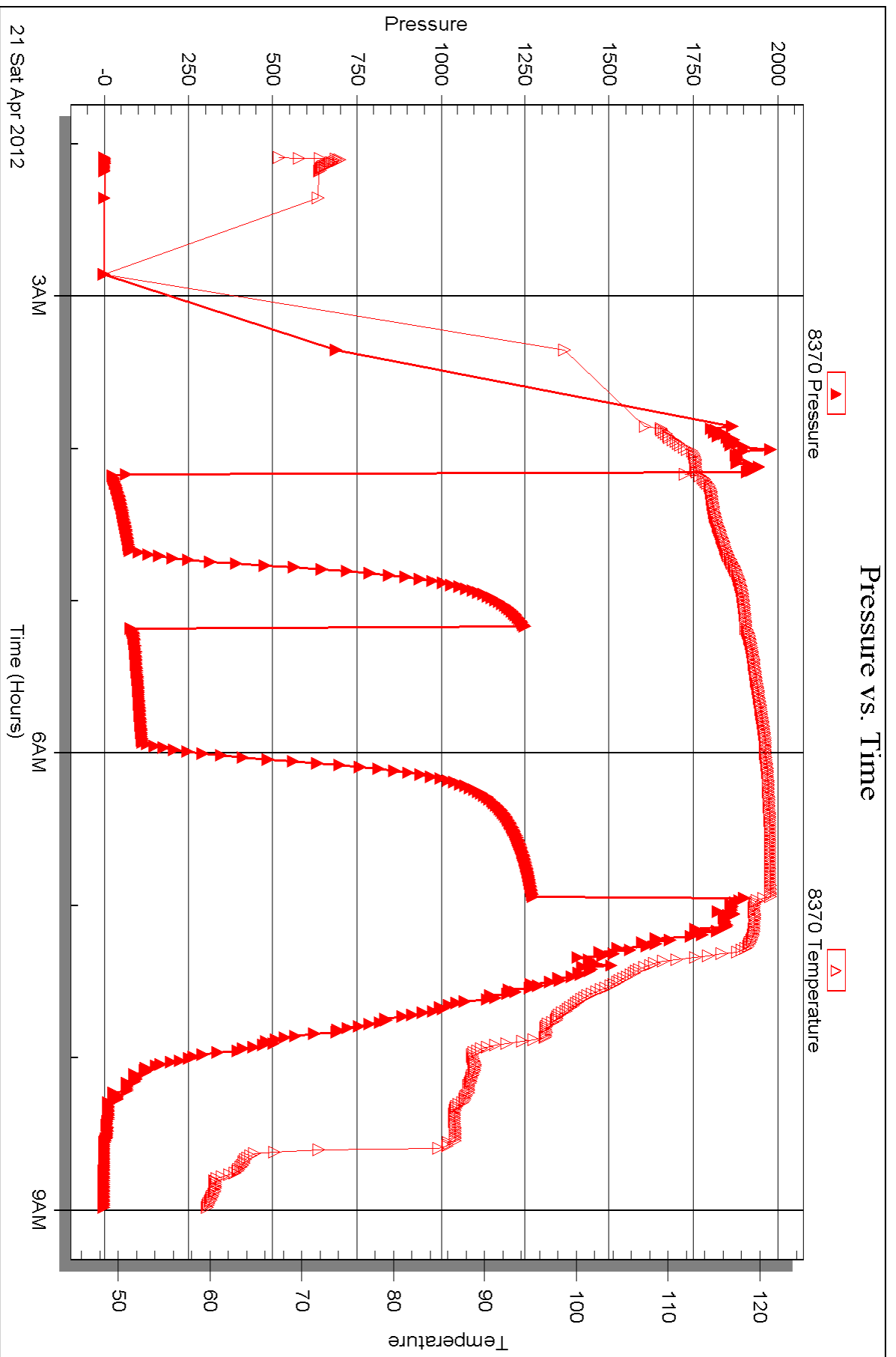
Serial #: 8370

Inside

Messenger Petroleum Inc.

Hayes #1

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 45793

Printed: 2012.05.03 @ 09:58:44



DRILL STEM TEST REPORT

Prepared For: **Messenger Petroleum Inc.**

525 S.Main
Kingman KS 67068

ATTN: Frank Mize

Hayes #1

23-28s-12w Pratt,KS

Start Date: 2012.04.23 @ 01:12:40

End Date: 2012.04.23 @ 08:46:55

Job Ticket #: 45794 DST #: 2

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

Printed: 2012.05.03 @ 09:58:05



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Messenger Petroleum Inc.

23-28s-12w Pratt, KS

525 S. Main
Kingman KS 67068

Hayes #1

Job Ticket: 45794

DST#: 2

ATTN: Frank Mize

Test Start: 2012.04.23 @ 01:12:40

GENERAL INFORMATION:

Formation: **Viola**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:29:25

Time Test Ended: 08:46:55

Test Type: Conventional Bottom Hole (Reset)

Tester: Gary Pevoteaux

Unit No: 56

Interval: 4297.00 ft (KB) To 4380.00 ft (KB) (TVD)

Reference Elevations: 1870.00 ft (KB)

Total Depth: 4380.00 ft (KB) (TVD)

1861.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

Serial #: 8352 Outside

Press @ Run Depth: 228.75 psig @ 4298.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.23

End Date: 2012.04.23

Last Calib.: 2012.04.23

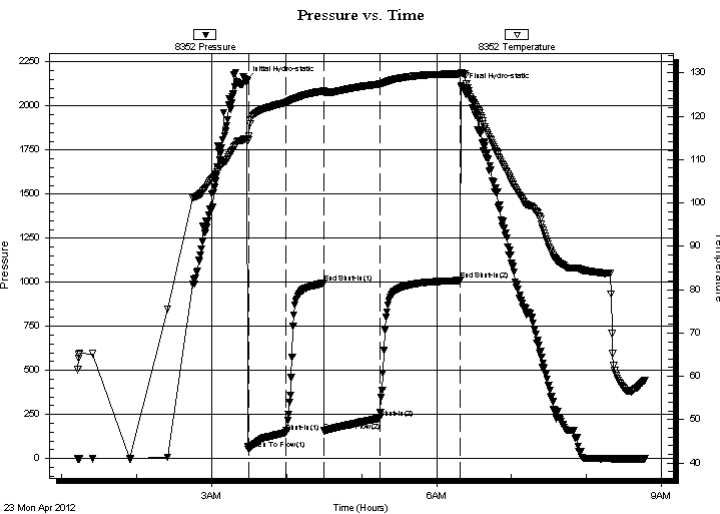
Start Time: 01:12:45

End Time: 08:46:54

Time On Btm: 2012.04.23 @ 03:27:10

Time Off Btm: 2012.04.23 @ 06:20:25

TEST COMMENT: IF: Strong blow . B.O.B. in 95 secs.
IS: No blow .
FF: Fair to strong blow . B.O.B. in 33 mins.
FS: No blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2144.60	114.77	Initial Hydro-static
3	50.69	114.42	Open To Flow (1)
33	148.22	123.16	Shut-In (1)
63	994.68	125.76	End Shut-In (1)
63	156.92	125.46	Open To Flow (2)
108	228.75	127.38	Shut-In (2)
172	1010.57	129.74	End Shut-In (2)
174	2105.72	129.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
305.00	SW	2.37
130.00	WM 32%w 68%m	1.82

* 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.

23-28s-12w Pratt, KS

525 S. Main
Kingman KS 67068

Hayes #1

Job Ticket: 45794

DST#: 2

ATTN: Frank Mize

Test Start: 2012.04.23 @ 01:12:40

Tool Information

Drill Pipe:	Length: 4087.00 ft	Diameter: 3.80 inches	Volume: 57.33 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 210.00 ft	Diameter: 2.25 inches	Volume: 1.03 bbl	Weight to Pull Loose: 84000.00 lb
			<u>Total Volume: 58.36 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	4297.00 ft			Final 73500.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	83.00 ft			
Tool Length:	111.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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C.O. Sub	1.00			4270.00	
Shut in tool	5.00			4275.00	
HMV	5.00			4280.00	
Jars	5.00			4285.00	
Safety Joint	3.00			4288.00	
Packer	4.00			4292.00	28.00 Bottom Of Top Packer
Packer	5.00			4297.00	
Stubb	1.00			4298.00	
Recorder	0.00	8370	Inside	4298.00	
Recorder	0.00	8352	Outside	4298.00	
Perforations	5.00			4303.00	
Blank Spacing	64.00			4367.00	
Perforations	8.00			4375.00	
Bullnose	5.00			4380.00	83.00 Bottom Packers & Anchor

Total Tool Length: 111.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Messenger Petroleum Inc.

23-28s-12w Pratt, KS

525 S.Main
Kingman KS 67068

Hayes #1

Job Ticket: 45794

DST#: 2

ATTN: Frank Mize

Test Start: 2012.04.23 @ 01:12:40

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:

91000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.77 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
305.00	SW	2.365
130.00	WM 32%w 68%m	1.824

Total Length: 435.00 ft Total Volume: 4.189 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments: Rw .13ohms @47deg

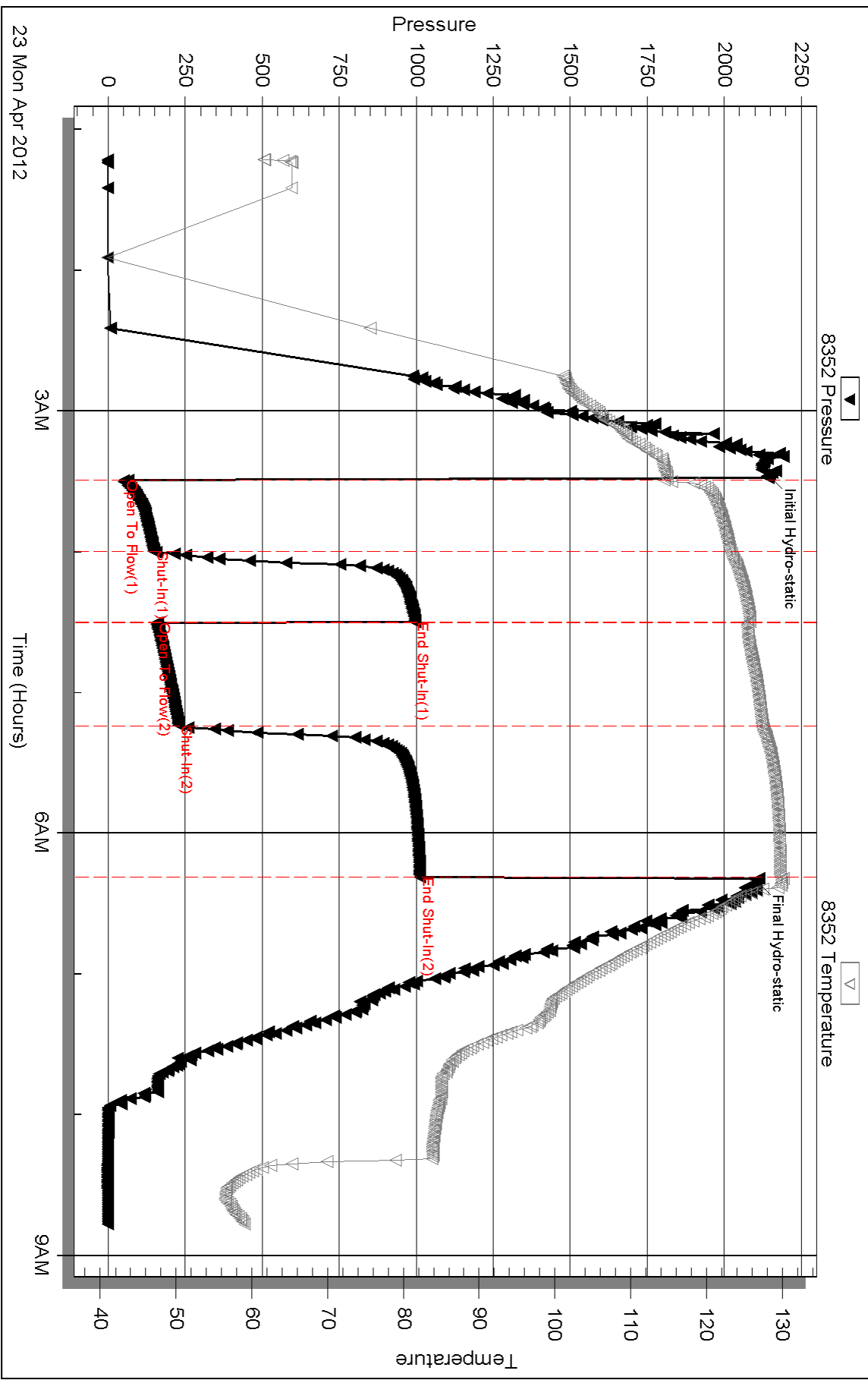
Serial #: 8352

Outside Messenger Petroleum Inc.

Hayes #1

DST Test Number: 2

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 45794

Printed: 2012.05.03 @ 09:58:07

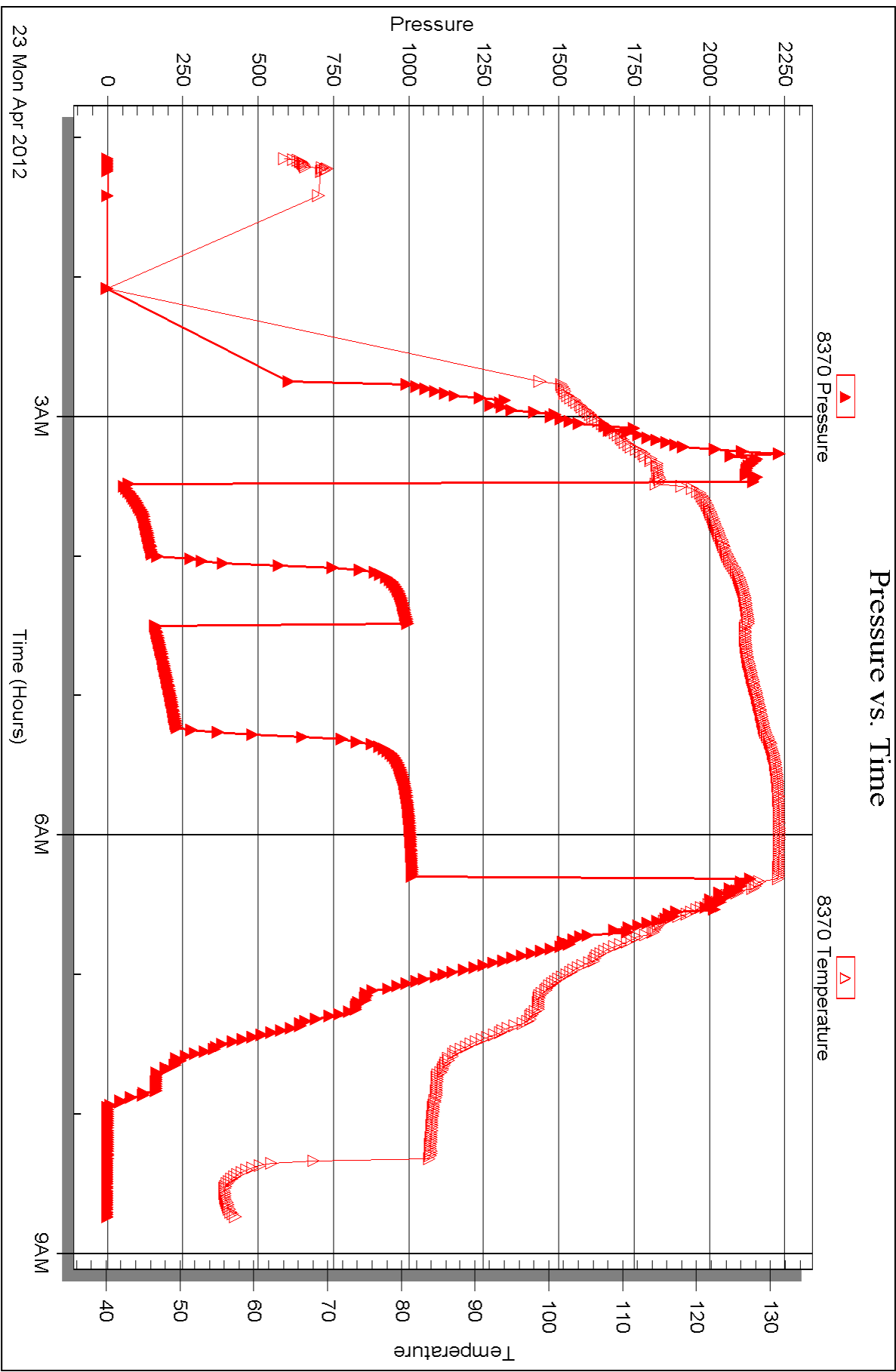
Serial #: 8370

Inside

Messenger Petroleum Inc.

Hayes #1

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Messenger Petroleum Inc.**

525 S.Main
Kingman KS 67068

ATTN: Frank Mize

Hayes #1

23-28s-12w Pratt,KS

Start Date: 2012.04.23 @ 20:55:21

End Date: 2012.04.24 @ 04:45:36

Job Ticket #: 45795 DST #: 3

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

Printed: 2012.05.03 @ 09:57:16



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Messenger Petroleum Inc.

23-28s-12w Pratt, KS

525 S. Main
Kingman KS 67068

Hayes #1

Job Ticket: 45795

DST#: 3

ATTN: Frank Mize

Test Start: 2012.04.23 @ 20:55:21

GENERAL INFORMATION:

Formation: **Simpson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:42:06

Time Test Ended: 04:45:36

Test Type: Conventional Bottom Hole (Reset)

Tester: Gary Pevoteaux

Unit No: 56

Interval: 4381.00 ft (KB) To 4406.00 ft (KB) (TVD)

Reference Elevations: 1870.00 ft (KB)

Total Depth: 4406.00 ft (KB) (TVD)

1861.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

Serial #: 8352 Outside

Press @ Run Depth: 769.01 psig @ 4382.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.23

End Date:

2012.04.24

Last Calib.: 2012.04.24

Start Time: 20:55:26

End Time:

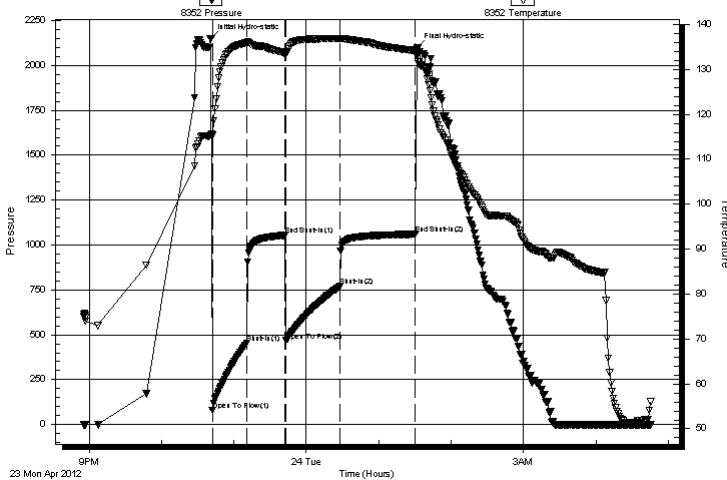
04:45:35

Time On Btm: 2012.04.23 @ 22:41:06

Time Off Btm: 2012.04.24 @ 01:31:36

TEST COMMENT: IF: Strong blow . B.O.B. in 3 1/2 mins.
IS: Weak blow . 1/4 - 1/2".
FF: Strong blow . B.O.B. in 4 1/2 mins.
FS: Weak blow . 1/4" or less.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2150.59	115.52	Initial Hydro-static
1	81.14	115.20	Open To Flow (1)
30	454.09	135.94	Shut-In(1)
62	1054.15	133.55	End Shut-In(1)
62	466.27	133.32	Open To Flow (2)
107	769.01	136.85	Shut-In(2)
170	1059.92	134.15	End Shut-In(2)
171	2100.82	132.79	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1270.00	GCMW/w o specs 4%g 96%w	15.90
260.00	GCMW/ w o specs 4%g 18%m 78%w	3.65
5.00	Clean oil	0.07
0.00	165 ft. of 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.

23-28s-12w Pratt, KS

525 S. Main
Kingman KS 67068

Hayes #1

Job Ticket: 45795

DST#: 3

ATTN: Frank Mize

Test Start: 2012.04.23 @ 20:55:21

Tool Information

Drill Pipe:	Length: 4151.00 ft	Diameter: 3.80 inches	Volume: 58.23 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 210.00 ft	Diameter: 2.25 inches	Volume: 1.03 bbl	Weight to Pull Loose: 87000.00 lb
			<u>Total Volume: 59.26 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 71500.00 lb
Depth to Top Packer:	4381.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	53.00 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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C.O. Sub	1.00			4354.00	
Shut in tool	5.00			4359.00	
HMV	5.00			4364.00	
Jars	5.00			4369.00	
Safety Joint	3.00			4372.00	
Packer	4.00			4376.00	28.00 Bottom Of Top Packer
Packer	5.00			4381.00	
Stubb	1.00			4382.00	
Recorder	0.00	8370	Inside	4382.00	
Recorder	0.00	8352	Outside	4382.00	
Perforations	19.00			4401.00	
Bullnose	5.00			4406.00	25.00 Bottom Packers & Anchor

Total Tool Length: 53.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Messenger Petroleum Inc.

23-28s-12w Pratt,KS

525 S.Main
Kingman KS 67068

Hayes #1

Job Ticket: 45795

DST#: 3

ATTN: Frank Mize

Test Start: 2012.04.23 @ 20:55:21

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38.8 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

90500 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1270.00	GCW/w o specs 4%g 96%w	15.902
260.00	GCMW/ w o specs 4%g 18%m 78%w	3.647
5.00	Clean oil	0.070
0.00	165 ft. of GIP	0.000

Total Length: 1535.00 ft Total Volume: 19.619 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments: Rw .11ohms @57deg

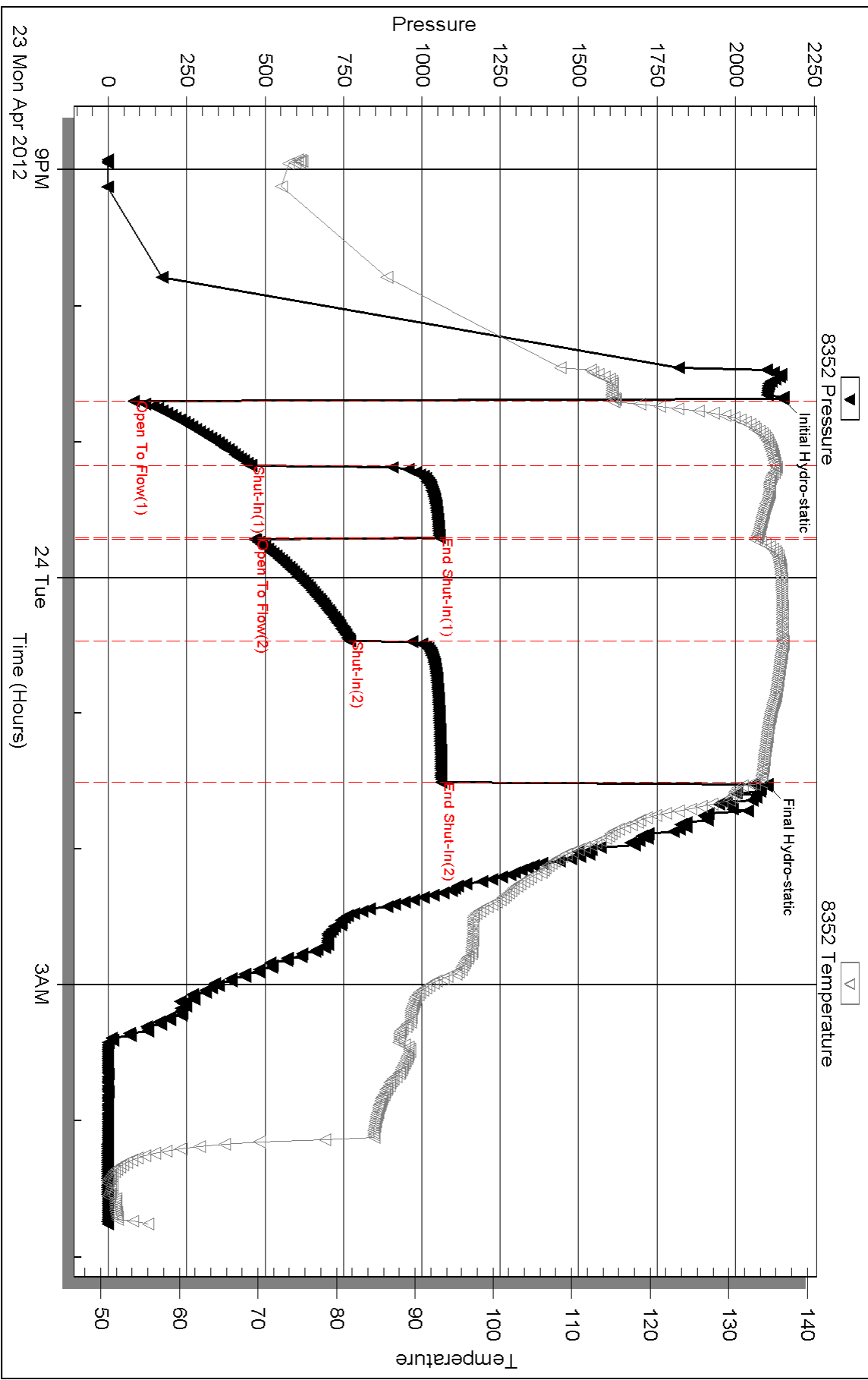
Serial #: 8352

Outside Messenger Petroleum Inc.

Hayes #1

DST Test Number: 3

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 45795

Printed: 2012.05.03 @ 09:57:18

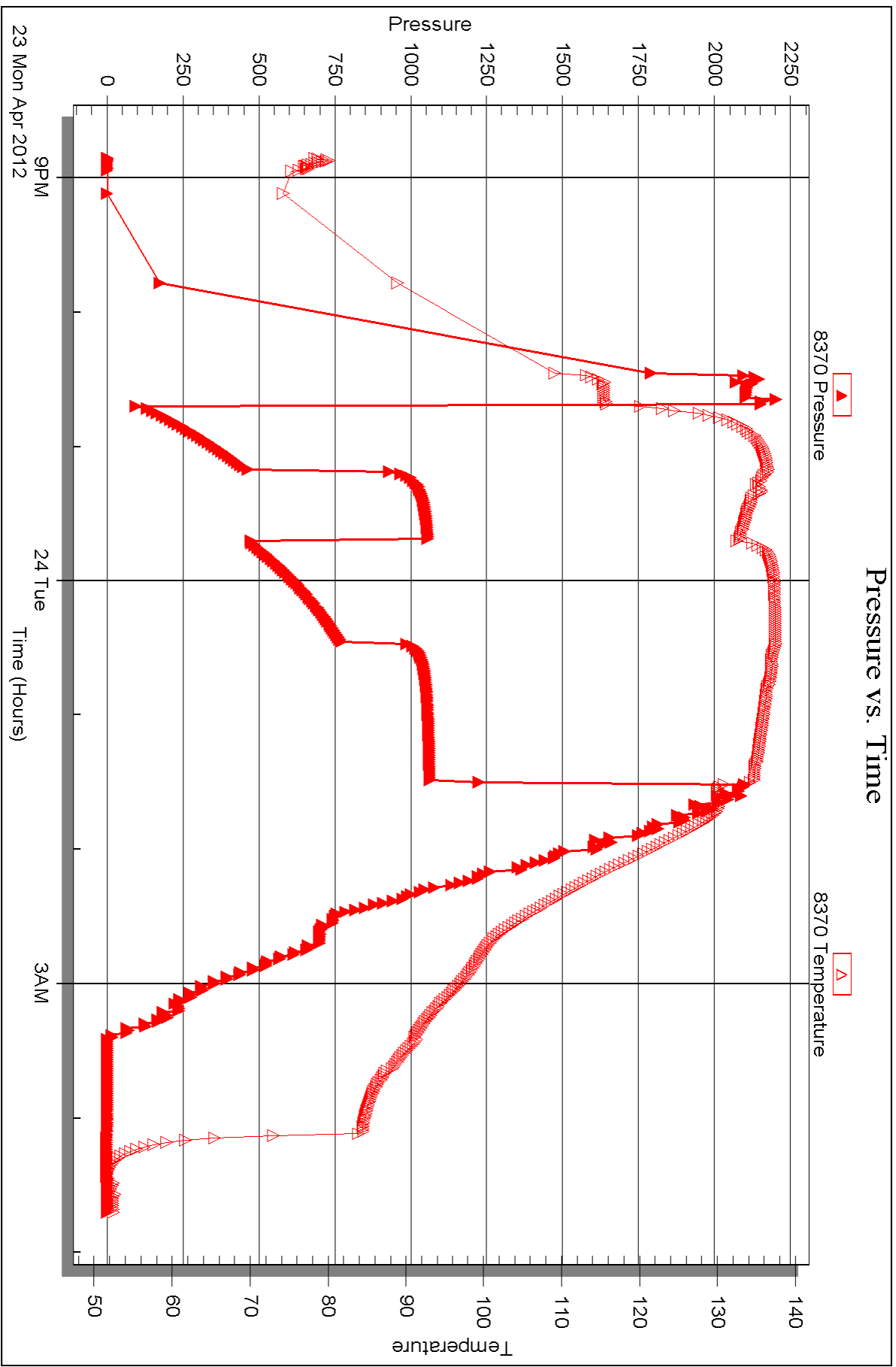
Serial #: 8370

Inside

Messenger Petroleum Inc.

Hayes #1

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Messenger Petroleum Inc.**

525 S.Main
Kingman KS 67068

ATTN: Frank Mize

Hayes #1

23-28s-12w Pratt,KS

Start Date: 2012.04.24 @ 15:42:35

End Date: 2012.04.25 @ 00:43:35

Job Ticket #: 45796 DST #: 4

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

Printed: 2012.05.03 @ 09:56:39



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Messenger Petroleum Inc.

23-28s-12w Pratt, KS

525 S. Main
Kingman KS 67068

Hayes #1

Job Ticket: 45796

DST#: 4

ATTN: Frank Mize

Test Start: 2012.04.24 @ 15:42:35

GENERAL INFORMATION:

Formation: **Simpson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:26:20

Time Test Ended: 00:43:35

Test Type: Conventional Bottom Hole (Reset)

Tester: Gary Pevoteaux

Unit No: 56

Interval: 4406.00 ft (KB) To 4426.00 ft (KB) (TVD)

Reference Elevations: 1870.00 ft (KB)

Total Depth: 4426.00 ft (KB) (TVD)

1861.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

Serial #: 8352 Outside

Press @ Run Depth: 980.38 psig @ 4407.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.24

End Date:

2012.04.25

Last Calib.:

2012.04.25

Start Time: 15:42:40

End Time:

00:43:35

Time On Btm:

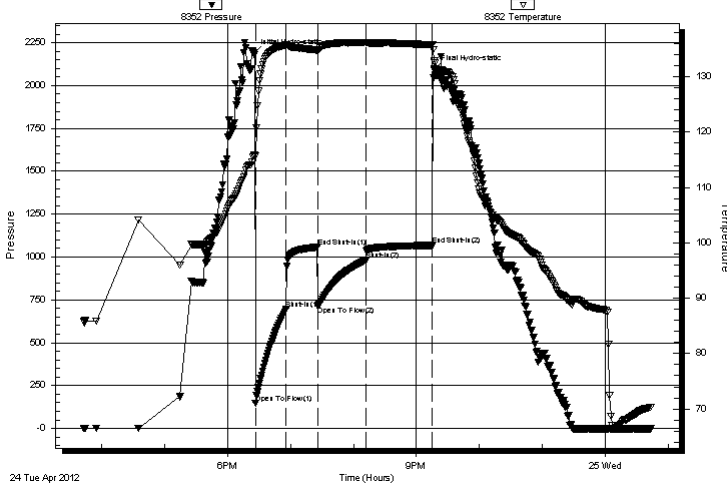
2012.04.24 @ 18:24:50

Time Off Btm:

2012.04.24 @ 21:17:05

TEST COMMENT: IF: Strong blow . B.O.B. in 95 secs.
IS: No blow .
FF: Strong blow . B.O.B. in 4 mins.
FS: No blow .

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2183.45	115.76	Initial Hydro-static
2	146.60	115.72	Open To Flow (1)
31	696.46	135.77	Shut-In(1)
61	1057.50	134.80	End Shut-In(1)
62	711.78	134.64	Open To Flow (2)
107	980.38	136.21	Shut-In(2)
171	1068.31	135.80	End Shut-In(2)
173	2095.03	132.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1695.00	G CW 4%g 96%w	21.86
190.00	SGC, MW/w o specs 3%g 16%m 81%w	2.67
110.00	MW/w o specs 39%m 61%w	1.54

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.

23-28s-12w Pratt, KS

525 S.Main
Kingman KS 67068

Hayes #1

Job Ticket: 45796

DST#: 4

ATTN: Frank Mize

Test Start: 2012.04.24 @ 15:42:35

Tool Information

Drill Pipe:	Length: 4183.00 ft	Diameter: 3.80 inches	Volume: 58.68 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 210.00 ft	Diameter: 2.25 inches	Volume: 1.03 bbl	Weight to Pull Loose: 91000.00 lb
			<u>Total Volume: 59.71 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	4406.00 ft			Final 81000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	48.00 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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C.O. Sub	1.00			4379.00	
Shut in tool	5.00			4384.00	
HMV	5.00			4389.00	
Jars	5.00			4394.00	
Safety Joint	3.00			4397.00	
Packer	4.00			4401.00	28.00 Bottom Of Top Packer
Packer	5.00			4406.00	
Stubb	1.00			4407.00	
Recorder	0.00	8370	Inside	4407.00	
Recorder	0.00	8352	Outside	4407.00	
Perforations	14.00			4421.00	
Bullnose	5.00			4426.00	20.00 Bottom Packers & Anchor

Total Tool Length: 48.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Messenger Petroleum Inc.

23-28s-12w Pratt,KS

525 S.Main
Kingman KS 67068

Hayes #1

Job Ticket: 45796

DST#: 4

ATTN: Frank Mize

Test Start: 2012.04.24 @ 15:42:35

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:

91000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.98 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1695.00	GCW 4%g 96%w	21.863
190.00	SGC,MW/w o specs 3%g 16%m 81%w	2.665
110.00	MW/w o specs 39%m 61%w	1.543

Total Length: 1995.00 ft Total Volume: 26.071 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

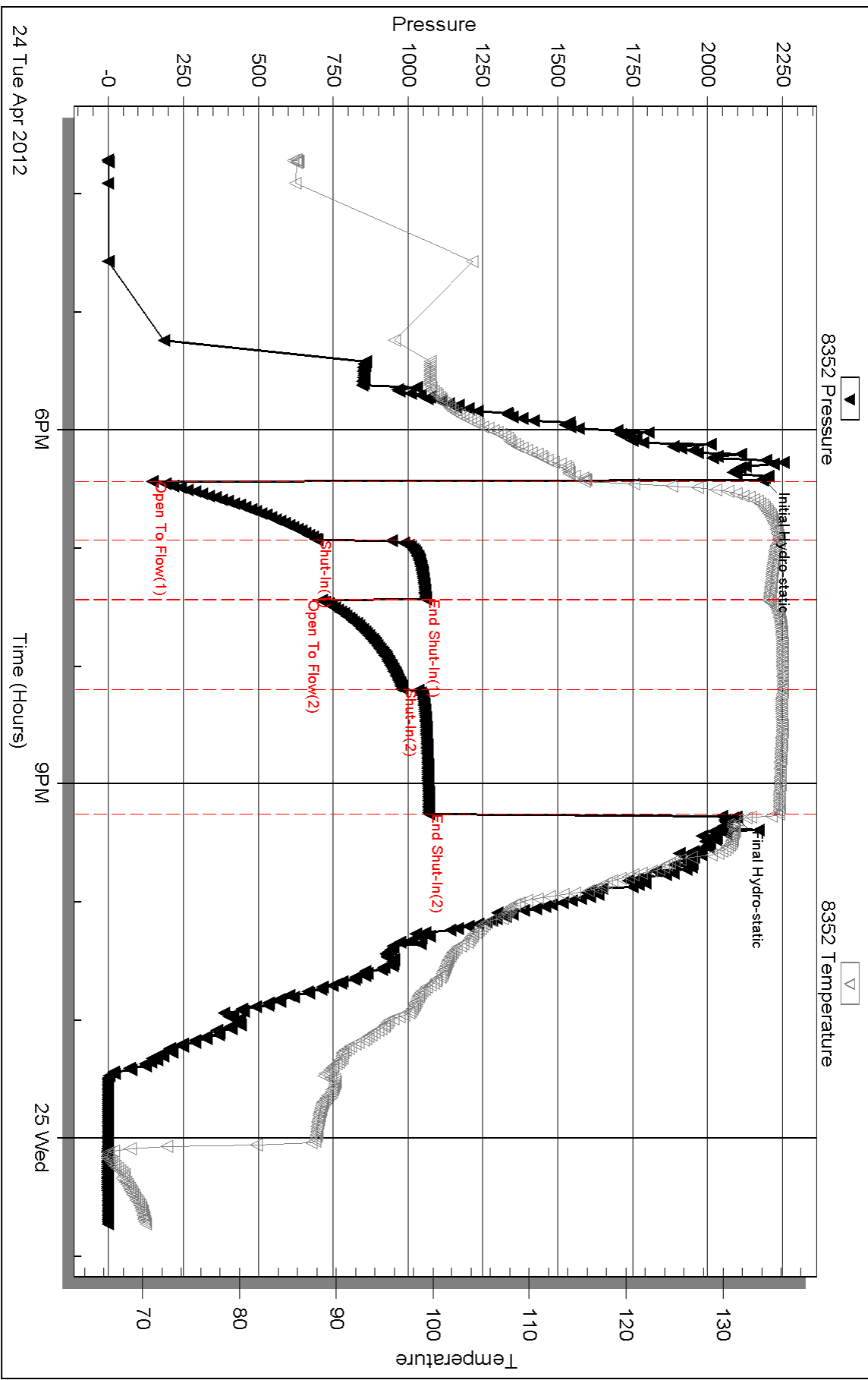
Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments: Rw .09ohms @68deg

Pressure vs. Time



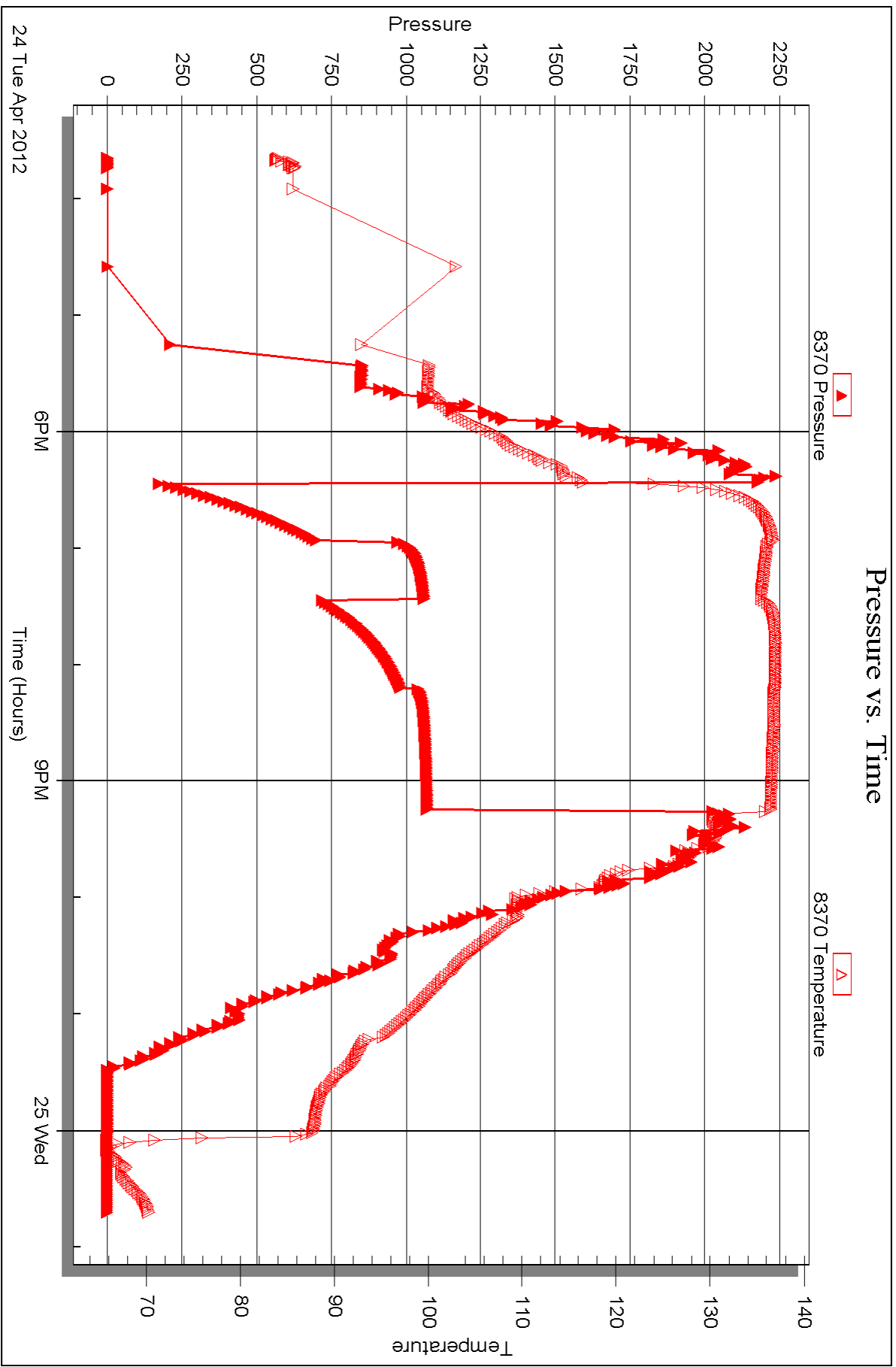
Serial #: 8370

Inside

Messenger Petroleum Inc.

Hayes #1

DST Test Number: 4





DRILL STEM TEST REPORT

Prepared For: **Messenger Petroleum Inc.**

525 S.Main
Kingman KS 67068

ATTN: Frank Mize

Hayes #1

23-28s-12w Pratt,KS

Start Date: 2012.04.25 @ 08:35:20

End Date: 2012.04.25 @ 17:09:35

Job Ticket #: 45797 DST #: 5

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

Printed: 2012.05.03 @ 09:55:44



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Messenger Petroleum Inc.

23-28s-12w Pratt, KS

525 S. Main
Kingman KS 67068

Hayes #1

Job Ticket: 45797

DST#: 5

ATTN: Frank Mize

Test Start: 2012.04.25 @ 08:35:20

GENERAL INFORMATION:

Formation: **Simpson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:29:50

Time Test Ended: 17:09:35

Test Type: Conventional Bottom Hole (Reset)

Tester: Gary Pevoteaux

Unit No: 56

Interval: 4424.00 ft (KB) To 4450.00 ft (KB) (TVD)

Reference Elevations: 1870.00 ft (KB)

Total Depth: 4450.00 ft (KB) (TVD)

1861.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

Serial #: 8352 Outside

Press @ Run Depth: 84.79 psig @ 4425.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.25

End Date:

2012.04.25

Last Calib.:

2012.04.25

Start Time:

08:35:25

End Time:

17:09:35

Time On Btm:

2012.04.25 @ 10:28:20

Time Off Btm:

2012.04.25 @ 15:05:35

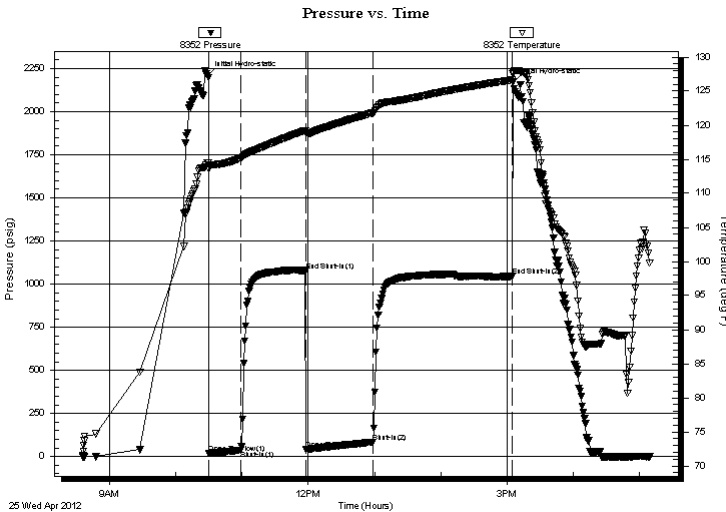
TEST COMMENT: IF: Weak blow . 1/2 - 1 1/2".

IS: No blow .

FF: Weak blow . 1/4 - 1 1/4".

FS: No blow .

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2209.54	114.41	Initial Hydro-static
2	18.65	113.55	Open To Flow (1)
31	38.96	115.16	Shut-In(1)
90	1078.01	119.25	End Shut-In(1)
90	42.57	118.90	Open To Flow (2)
150	84.79	121.79	Shut-In(2)
276	1044.42	126.63	End Shut-In(2)
278	2170.15	127.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
155.00	MW 18% m 82% w /Rw .07 ohms @ 94 deg	0.76

* 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.

23-28s-12w Pratt, KS

525 S. Main
Kingman KS 67068

Hayes #1

Job Ticket: 45797

DST#: 5

ATTN: Frank Mize

Test Start: 2012.04.25 @ 08:35:20

Tool Information

Drill Pipe:	Length: 4215.00 ft	Diameter: 3.80 inches	Volume: 59.13 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 210.00 ft	Diameter: 2.25 inches	Volume: 1.03 bbl	Weight to Pull Loose: 78000.00 lb
			<u>Total Volume: 60.16 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	4424.00 ft			Final 73000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	54.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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

C.O. Sub	1.00			4397.00	
Shut in tool	5.00			4402.00	
HMV	5.00			4407.00	
Jars	5.00			4412.00	
Safety Joint	3.00			4415.00	
Packer	4.00			4419.00	28.00 Bottom Of Top Packer
Packer	5.00			4424.00	
Stubb	1.00			4425.00	
Recorder	0.00	8370	Inside	4425.00	
Recorder	0.00	8352	Outside	4425.00	
Perforations	20.00			4445.00	
Bullnose	5.00			4450.00	26.00 Bottom Packers & Anchor

Total Tool Length: 54.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Messenger Petroleum Inc.

23-28s-12w Pratt,KS

525 S.Main
Kingman KS 67068

Hayes #1

Job Ticket: 45797

DST#: 5

ATTN: Frank Mize

Test Start: 2012.04.25 @ 08:35:20

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:

84000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 12.39 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 8500.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
155.00	MW 18% _m 82% _w /Rw .07ohms @94deg	0.762

Total Length: 155.00 ft

Total Volume: 0.762 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

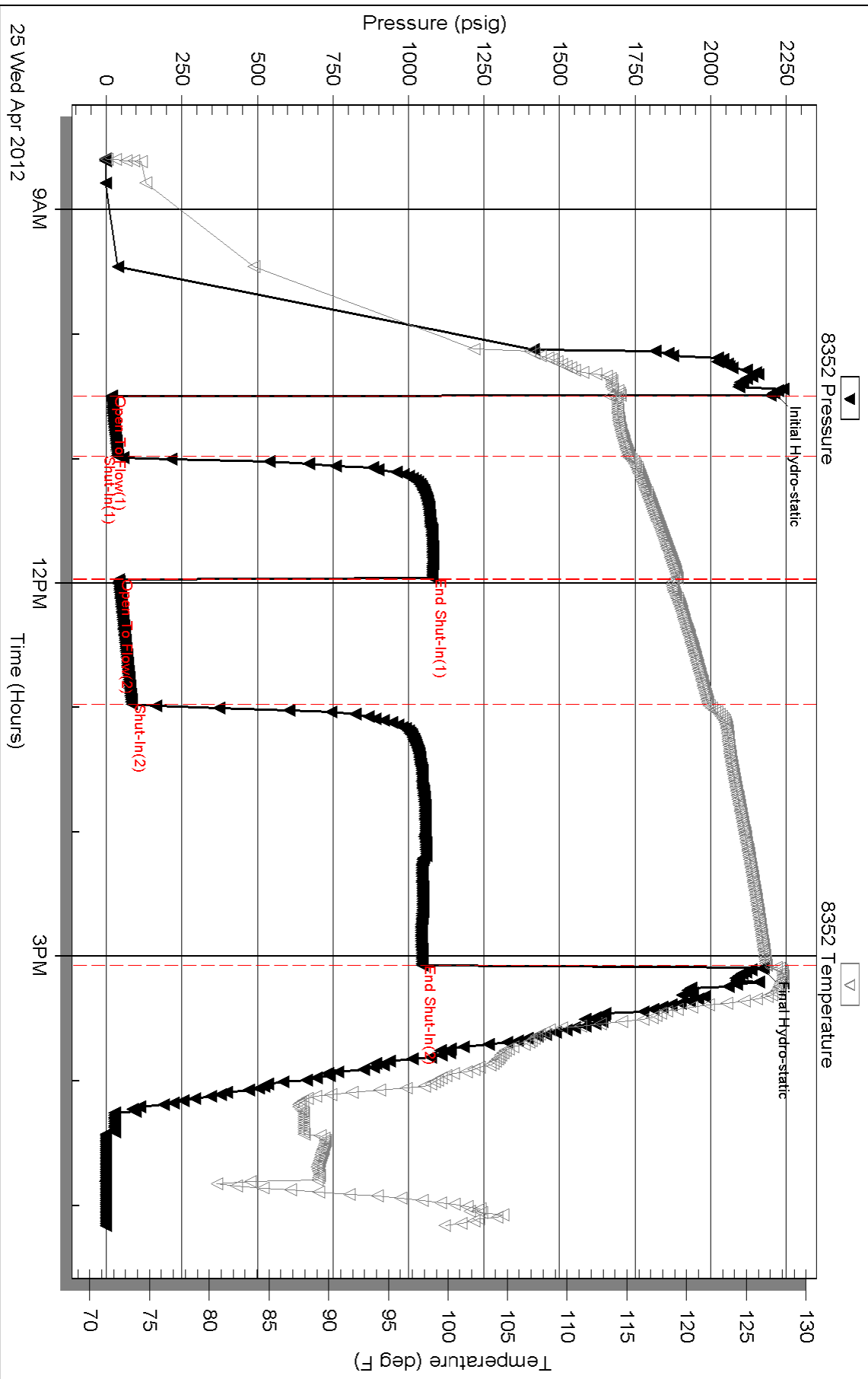
Serial #: 8352

Outside Messenger Petroleum Inc.

Hayes #1

DST Test Number: 5

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 45797

Printed: 2012.05.03 @ 09:55:46

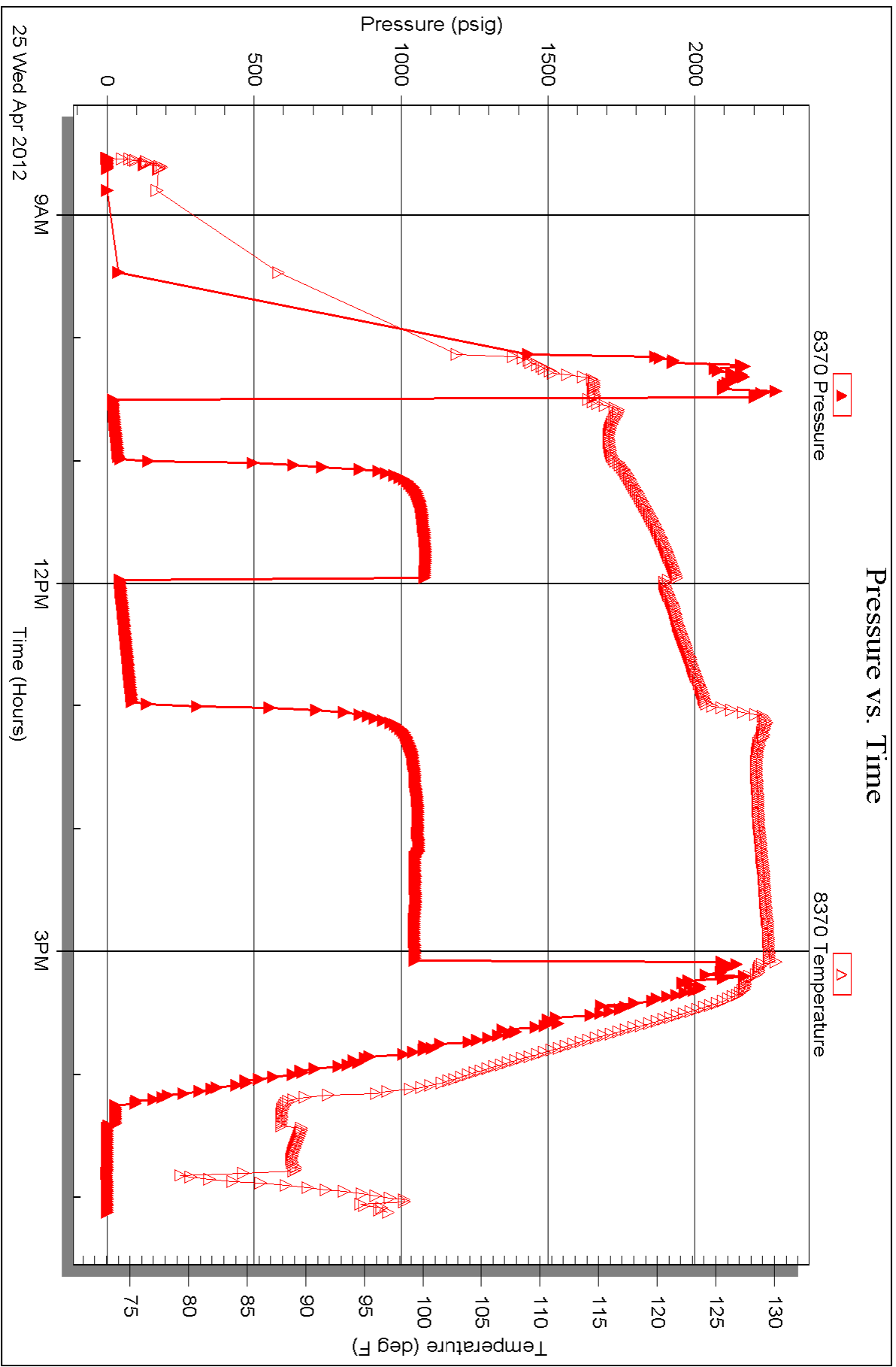
Serial #: 8370

Inside

Messenger Petroleum Inc.

Hayes #1

DST Test Number: 5





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
APR 27 2012
BY:

Test Ticket

NO. 45793

Well Name & No. HAYS #1 Test No. 1 Date 4-21-12
 Company MESSENGER PETROLEUM INC. Elevation 1870 KB 1861 GL
 Address 525 S. MAIN, KANGMAN KS. 67068
 Co. Rep / Geo. FRANK MIZE Rig STERLING DRILL #4
 Location: Sec. 23 Twp. 28S Rge. 12W Co. PRATT State Ks.

Interval Tested 3887 - 3909 Zone Tested _____
 Anchor Length 221 Drill Pipe Run 3672' Mud Wt. 9.3
 Top Packer Depth 3882' Drill Collars Run 210' Vis 53
 Bottom Packer Depth 3887' Wt. Pipe Run 0 WL 9.0cc
 Total Depth 3909' Chlorides 3,000 ppm System LCM 0

Blow Description IF: Strong below, B.O.B. in 2 1/2 mins.
IST: Weak blow, 1/4 - 1/2"

FF: Fair to strong blow, B.O.B. in 12 mins. FST: Weak below, 1/4 - 1/2"

Rec	Feet of	%gas	%oil	%water	%mud
<u>860</u>	<u>Gas in pipe</u>	<u>33</u>	<u>27</u>	<u>17</u>	<u>28</u>
<u>100</u>	<u>GDCMW</u>	<u>33</u>	<u>27</u>	<u>17</u>	<u>28</u>
<u>120</u>	<u>MW/wapped</u>			<u>94</u>	<u>6</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 220 Fluid BHT 1210 Gravity N/A API RW 11 @ 49 °F Chlorides 111,000 ppm

(A) Initial Hydrostatic 1920 Test 1150 T-On Location 0016
 (B) First Initial Flow 24 Jars 250 T-Started 0211
 (C) First Final Flow 73 Safety Joint 75' T-Open 0410
 (D) Initial Shut-In 1248 Circ Sub _____ T-Pulled 0658
 (E) Second Initial Flow 77 Hourly Standby _____ T-Out 0901
 (F) Second Final Flow 113 Mileage 309 46.50 Comments _____
 (G) Final Shut-In 1272 Sampler _____
 (H) Final Hydrostatic 1899 Straddle _____
 Shale Packer _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Packer _____
 Extra Copies _____

Initial Open 30
 Initial Shut-In 30
 Final Flow 45
 Final Shut-In 60
 Sub Total 0
 Total 1521.50
 MP/DST Disc't _____
 Sub Total 1621.50

Approved By _____ Our Representative Cory Swartz
 Trilobite Testing Inc. shall not be liable for damaged or lost 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
APR 27 2012
BY: _____

Test Ticket

NO. 45794

Well Name & No. HAYES # Test No. 2 Date 4-23-12
 Company MESSENGER PETROLEUM INC Elevation 1870 KB 1861 GL
 Address 525 S. MAIN, KINGMAN KS. 67068
 Co. Rep / Geo. FRANK MAZE Rig STERLING DRILL #4
 Location: Sec. 23 Twp. 28^S Rge. 12^W Co. FRANK State KS

Interval Tested 4297 - 4380' Zone Tested VIOLA
 Anchor Length 83' Drill Pipe Run 4087' Mud Wt. 9.3
 Top Packer Depth 4292' Drill Collars Run 210' Vis 53
 Bottom Packer Depth 4297' Wt. Pipe Run 0 WL 8-8cc
 Total Depth 4380' Chlorides 4500 ppm System LCM 2#
 Blow Description Strong blow. B.O.B. in 95 sec. F&I; No blow.

FF: Fair to strong blow - B.O.B. in 33 mins. F&I; No blow.

Rec	Feet of	%gas	%oil	%water	%mud
130	WM			32	68
305	SW				
Rec Total	435'				

BHT 130° Gravity N/A API RW 13 @ 47 °F Chlorides 91,000 ppm
 (A) Initial Hydrostatic 2145 Test 1250' T-On Location 0040
 (B) First Initial Flow 51 Jars 250' T-Started 0112
 (C) First Final Flow 148 Safety Joint 75' T-Open 0329
 (D) Initial Shut-In 995 Circ Sub _____ T-Pulled 0615
 (E) Second Initial Flow 157 Hourly Standby _____ T-Out 0846
 (F) Second Final Flow 229 Mileage (307) 46.50 Comments _____
 (G) Final Shut-In 1011 Sampler _____
 (H) Final Hydrostatic 2106 Straddle _____
 Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 30 Day Standby _____ Total 1621.50
 Final Flow 45 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 60 Sub Total 1621.50

Approved By Frank S. Maze

Our Representative Cory P. Wolcott

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
APR 27 2012

Test Ticket

NO. 45795

Well Name & No. HAYES #1 Test No. 3 Date 4-23-12
 Company MESSENGER PETROLEUM INC. Elevation 1870 KB 1861 GL
 Address 525 S. MAIN, KINGMAN KS 67068
 Co. Rep / Geo. FRANK MEZZE Rig STERLING DRILLING
 Location: Sec. 23 Twp. 28^S Rge. 12^W Co. PRATT State KS

Interval Tested 4381 - 4406' Zone Tested SIMPSON
 Anchor Length 25' Drill Pipe Run 4151' Mud Wt. 9.2
 Top Packer Depth 4376' Drill Collars Run 210' Vis 54
 Bottom Packer Depth 4381' Wt. Pipe Run 0 WL 8.8cc
 Total Depth 4406' Chlorides 4,000 ppm System LCM 2nd

Blow Description IF: Strong blow B.O.B. in 3 1/2 mins. FSI: weak blow. 1/4 - 1/2".
FF: Strong blow B.O.B. in 4 1/2 mins. FSI: weak blow. 1/4" or less.

Rec	Feet of	%gas	%oil	%water	%mud
<u>165</u>	<u>Gas in pipe</u>				
<u>5</u>	<u>Clean oil</u>				
<u>260</u>	<u>GCW / w oil specs</u>	<u>4</u>	<u>78</u>	<u>18</u>	
<u>1270</u>	<u>GCW / w oil specs</u>	<u>4</u>	<u>96</u>		

Rec Total 1535 Flow 20 BHT 134° Gravity 39.8 API RW 11 @ 57 °F Chlorides 90,500 ppm
 (A) Initial Hydrostatic 2151 Test 1250 T-On Location 2037
 (B) First Initial Flow 81 Jars 250 T-Started 2055
 (C) First Final Flow 454 Safety Joint 75 T-Open 2242
 (D) Initial Shut-In 1054 Circ Sub _____ T-Pulled 0131
 (E) Second Initial Flow 466 Hourly Standby _____ T-Out 0445
 (F) Second Final Flow 769 Mileage 4650 Comments _____
 (G) Final Shut-In 1060 Sampler _____
 (H) Final Hydrostatic 2101 Straddle _____
 Ruined Shale Packer _____
 Shale Packer _____
 Ruined Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 11621.50

Initial Open 30
 Initial Shut-In 30
 Final Flow 45
 Final Shut-In 60

Approved By _____ Our Representative Cory Rowland

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
APR 27 2012

Test Ticket

No. 45796

Well Name & No. HAYES #1 Test No. 4 Date 4-24-12
 Company MESSENGER PETROLEUM INC. Elevation 1870 KB 1861 GL
 Address 525 S. MAIN, KEWMAN KS. 67068
 Co. Rep / Geo. FRANK MIZE Rig STERLING DRUG #4
 Location: Sec. 23 Twp. 28S Rge. 12W Co. PRATT State Ks.

Interval Tested 4406 - 4426' Zone Tested SIMPSON
 Anchor Length 20' Drill Pipe Run 4183' Mud Wt. 9.1
 Top Packer Depth 4401' Drill Collars Run 210' Vis 49
 Bottom Packer Depth 4406' Wt. Pipe Run 0 WL 10.0 cc
 Total Depth 4426' Chlorides 6,000 ppm System LCM 2⁺⁺
 Blow Description IF: Strong blow. B.O.B. in 95 sec. I.S.I. No blow.

IF: Strong blow. B.O.B. in 4 mins. F.S.I. No blow.

Rec	Feet of	%gas	%oil	%water	%mud
110	MW / w specs		61	39	
190	SGC, MW / w specs	3	81	16	
1695	GCW	4	96		

Rec Total 1995 Flow BHT 136° Gravity N/A API RW .09 @ 68° F Chlorides 91,000 ppm

(A) Initial Hydrostatic 2183 Test 1250' T-On Location 1523
 (B) First Initial Flow 147 Jars 250 T-Started 1542
 (C) First Final Flow 696 Safety Joint 75' T-Open 1826
 (D) Initial Shut-In 1058 Circ Sub _____ T-Pulled 2113
 (E) Second Initial Flow 712 Hourly Standby _____ T-Out 0043
 (F) Second Final Flow 980 Mileage 30 RT 46.50 Comments _____
 (G) Final Shut-In 1068 Sampler _____
 (H) Final Hydrostatic 2095 Straddle _____ Ruined Shale Packer _____

Initial Open 30 Shale Packer _____ Ruined Packer _____
 Initial Shut-In 30 Extra Packer _____ Extra Copies _____
 Final Flow 45 Extra Recorder _____ Sub Total 0
 Final Shut-In 60 Day Standby _____ Total 11621.50
 Accessibility _____ MP/DST Disc't _____

Approved By Frank S. Mize Sub Total 11621.50
 Our Representative Cory [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
APR 27 2012
BY:

Test Ticket

NO. 45797

Well Name & No. HAYES #1 Test No. S Date 4-25-12
 Company MESSENGER PETROLEUM INC. Elevation 1870 KB 1861 GL
 Address 525 S. MAIN, KINGMAN KS. 67068
 Co. Rep / Geo. FRANK MIZZ Rig STERLING DIRIG #4
 Location: Sec. 23 Twp. 28^S Rge. 12^W Co. PRATT State KS.

Interval Tested 4424-4450' Zone Tested SIMPSON
 Anchor Length 26' Drill Pipe Run 4215' Mud Wt. 9.3
 Top Packer Depth 4419' Drill Collars Run 210' Vis 49
 Bottom Packer Depth 4424' Wt. Pipe Run 0 WL 12.4cc
 Total Depth 4450' Chlorides 8500 ppm System LCM 2^{II}
 Blow Description IF; W. below. 1/2 - 1/2". ISI; No blow.
FF; W. below. 1/4 - 1/4". FSI; No blow.

Rec	Feet of	%gas	%oil	%water	%mud
155	MW			82	18

Rec Total 155 BHT 127° Gravity N/A API RW .07 @ 94 °F Chlorides 84,000 ppm
 (A) Initial Hydrostatic 2210 Test 1250' T-On Location 0819
 (B) First Initial Flow 19 Jars 250' T-Started 0835
 (C) First Final Flow 39 Safety Joint 75' T-Open 1029
 (D) Initial Shut-In 1078 Circ Sub T-Pulled 1504
 (E) Second Initial Flow 43 Hourly Standby T-Out 1709
 (F) Second Final Flow 85 Mileage (30) 40.50 Comments
 (G) Final Shut-In 1044 Sampler
 (H) Final Hydrostatic 2120 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies
 Extra Recorder Sub Total 0
 Day Standby Total 1621.50
 Accessibility MP/DST Disc't
 Sub Total 1621.50

Approved By Frank Mizz Our Representative Conroy Watson
 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.

QUALITY WELL SERVICE, INC.

5515

Federal Tax I.D. # 481187368

Home Office 324 Simpson St., Pratt, KS 67124

Heath's Cell 620-727-3410
Office / Fax 620-672-3663

Rich's Cell 620-727-3409
Brady's Cell 620-727-6964

Date	4-16-12	Sec.	23	Twp.	28	Range	12	County	Pratt	State	KS	On Location		Finish	3:45pm
Lease	16 yrs	Well No.	1		Location 6 E of Pratt 4 S 1/2 E 1/2 NW 1/4										
Contractor	Kohn Drilling							Owner							
Type Job	Surf Cell							To Quality Well Service, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Hole Size	12 1/4		T.D.		305		Charge To								
Csg.	8 5/8		Depth		301		Messenger P-110								
Tbg. Size			Depth				Street								
Tool			Depth				City State								
Cement Left in Csg.	150+		Shoe Joint				The above was done to satisfaction and supervision of owner agent or contractor.								
Meas Line			Displace		18 1/4		Cement Amount Ordered 320 @ 2% oil 3% cc								
EQUIPMENT							1/4" # F10								
Pumptrk	No.	6		1001		Common 192									
Bulktrk	No.	1		1100		Poz. Mix 128									
Bulktrk	No.			Richard		Gel. 6									
Pickup	No.					Calcium 11									
JOB SERVICES & REMARKS							Hulls								
Rat Hole							Salt								
Mouse Hole							Flowseal 80								
Centralizers							Kol-Seal								
Baskets							Mud CLR 48								
D/V or Port Collar							CFL-117 or CD110 CAF 38								
Run 2 1/2" of 8 5/8 casing and 1/2" of 11"							Sand								
1st circulation							Handling 337								
							Mileage 10								
							FLOAT EQUIPMENT								
mixed 320 @ 2% oil down							Guide Shoe								
released plug and d.s.p 18 1/4 bbl							Centralizer								
1120 - spill @ 300 psi							Baskets								
							AFU Inserts								
							Float Shoe								
							Latch Down								
Cement Did Circulate!							8 5/8 Wooden Plug.								
							Pumptrk Charge Surface.								
Thank YOU							Mileage 10								
							Tax								
							Discount								
							Total Charge								
X Signature	[Signature]														



PAGE 1 of 1	CUST NO 1002124	INVOICE DATE 04/30/2012
INVOICE NUMBER 1718 - 90892904		

Pratt (620) 672-1201
 B MESSENGER PETROLEUM
 I 525 S MAIN ST
 L KINGMAN
 L KS US 67068
 T
 O ATTN: ACCOUNTS PAYABLE

J LEASE NAME Hayes 1
 O LOCATION
 B COUNTY Pratt
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T JOB CONTACT
 E

JOB #	EQUIPMENT #	PURCHASE ORDER NO.		TERMS	DUE DATE
40457891	19843			Net - 30 days	05/30/2012
		QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 04/27/2012 to 04/27/2012</i>					
0040457891					
171806133A Cement-New Well Casing/Pi 04/27/2012 Cement 5 1/2" Longstring					
AA2 Cement		150.00	EA	13.60	2,040.00 T
60/40 POZ		75.00	EA	9.60	720.00 T
Celloflake		38.00	EA	2.96	112.48 T
Salt		685.00	EA	0.40	274.00 T
Cement Friction Reducer		43.00	EA	4.80	206.40 T
C-44		106.00	EA	4.12	436.72 T
FLA-322		71.00	EA	6.00	426.00 T
Gilsonite		750.00	EA	0.54	402.00 T
Mud Flush		500.00	EA	0.69	344.00 T
Claymax KCL Substitute		5.00	EA	28.00	140.00 T
"Unit Mileage Chg (PU, cars one way)"		10.00	MI	3.40	34.00
Heavy Equipment Mileage		20.00	MI	5.60	112.00
"Proppant & Bulk Del. Chgs., per ton mil		103.00	EA	1.28	131.84
Depth Charge; 4001'-5000'		1.00	EA	2,016.00	2,016.00
Blending & Mixing Service Charge		225.00	BAG	1.12	252.00
Casing Swivel Rental		1.00	EA	160.00	160.00
Plug Container Util. Chg.		1.00	EA	200.00	200.00
"Latch Down Plug & Baffle, 5 1/2"" (Blu		1.00	EA	320.00	320.00
"Cmt. Shoe Packer Type, 5 1/2"" (Blue) "		1.00	EA	2,960.00	2,960.00
"Turbolizer, 5 1/2"" (Blue)"		9.00	EA	88.00	792.00
"5 1/2"" Basket (Blue)"		1.00	EA	232.00	232.00
"Service Supervisor, first 8 hrs on loc.		1.00	EA	140.00	140.00
PLEASE REMIT TO:		SEND OTHER CORRESPONDENCE TO:		SUB TOTAL	12,451.44
BASIC ENERGY SERVICES, LP		BASIC ENERGY SERVICES, LP		TAX	372.42
PO BOX 841903		PO BOX 10460		INVOICE TOTAL	12,823.86
DALLAS, TX 75284-1903		MIDLAND, TX 79702			



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET

1718 05133 A

DATE _____ TICKET NO. _____

DATE OF JOB		DISTRICT		NEW WELL <input type="checkbox"/>		OLD WELL <input type="checkbox"/>		PROD <input type="checkbox"/>		INJ <input type="checkbox"/>		WDW <input type="checkbox"/>		CUSTOMER ORDER NO.:	
CUSTOMER				LEASE				WELL NO.							
ADDRESS				COUNTY				STATE							
CITY				STATE				SERVICE CREW							
AUTHORIZED BY				JOB TYPE:											
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME					
						ARRIVED AT JOB									
						START OPERATION									
						FINISH OPERATION									
						RELEASED									
						MILES FROM STATION TO WELL									

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
					2550.00
					900.00
					140.60
					342.50
					258.00
					545.70
					532.50
					507.50
					400.00
					3700.00
					990.00
					290.00
			5		175.00
			500		4500.00

SUB TOTAL

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY:
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(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

Customer: <u>Messinger Petroleum</u>	Lease No.:	Date: <u>4-27-12</u>
Lease: <u>Hayes</u>	Well #: <u>1</u>	
Field Order #: <u>6133</u>	Station: <u>Pratt</u>	Casing: <u>5 7/8"</u>
		Depth: <u>1175'</u>
Type Job: <u>CNW 5 7/8" L.S.</u>	Formation:	County: <u>Pratt</u>
		State: <u>KS</u>
		Legal Description: <u>2328-12</u>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid- <u>AAJ</u>		RATE	PRESS	ISIP
Depth	Depth	From	To	Pre Pad	Max			5 Min.
Volume	Volume	From	To	Pad	Min			10 Min.
Max Press	Max Press	From	To	Frac	Avg			15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used			Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush	Gas Volume			Total Load

Customer Representative: John Messinger Station Manager: Drew Scott Treater: John Messinger

Service Units	<u>1738</u>	<u>1775</u>	<u>1785</u>	<u>1785</u>	<u>1786</u>				
Driver Names	<u>W. Messinger</u>	<u>W. Messinger</u>	<u>W. Messinger</u>	<u>W. Messinger</u>	<u>W. Messinger</u>				

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
7:15 AM					On location - 5:00 AM
					Run 107 5 7/8" 1555' Csg
					Casing 1-3-11-5-14-15-16-17-17
					Basrel #2 Packer Stop
12:00 AM					Casing on Bottom Break Circ w/11
					Drop Ball to 500 Packer Stop
1:00	300		5	5	Start 1120 H ₂ O
1:10	300		12	5	Mod flow
1:20	1300		5	5	H ₂ O Spurge 500 Packer Stop
1:28	300		7	5	Mod 2500 60/40 1 1/2" gal
1:40	250		36	5	Mod 1500 500 AAJ @ 15.5"/gal
					Clear pump all
					Roller Ball Down Plug
1:50	6		6	6	Start 1120 Displacement w/2000 CL
2:05	1100		80	5	Low pressure
2:15	700		95	4	Slow Rate
2:15 AM	1500		106	4	Plug Down - 1100' 1/2"
					Mod 2500 60/40 1 1/2" gal
					Job Complete
					Time 2:15 AM