

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

O'Brien Resources

P.O. Box 6149
Shreveport La, 71136

ATTN: Kurt T.

28-14s-30w Logan County

MSJ Penner 28 #2

Job Ticket: 57492

DST#: 1

Test Start: 2014.10.31 @ 04:52:00

GENERAL INFORMATION:

Formation: **Lansing C-G**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 12:55:00

Time Test Ended: 17:22:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Justin Harris

Unit No: 58

Interval: 3899.00 ft (KB) To 3985.00 ft (KB) (TVD)

Total Depth: 3985.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2777.00 ft (KB)

2763.00 ft (CF)

KB to GR/CF: 14.00 ft

Serial #: 6625

Press@RunDepth: 20.88 psig @ ft (KB)

Start Date: 2014.10.31

End Date:

2014.10.31

Start Time: 04:52:01

End Time:

17:22:00

Capacity: 8000.00 psig

Last Calib.: 2014.10.31

Time On Btm: 2014.10.31 @ 12:54:30

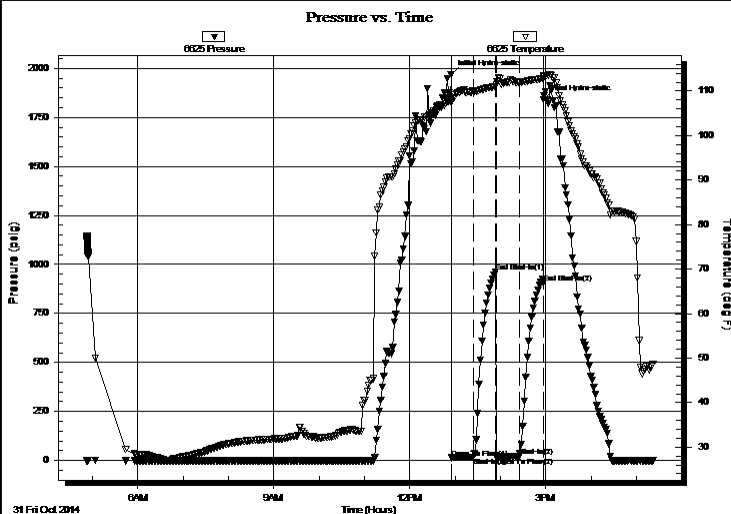
Time Off Btm: 2014.10.31 @ 14:57:00

TEST COMMENT: 30: Weak surface blow.

30: No Return.

30: No Blow.

30: No Return.



PRESSURE SUMMARY

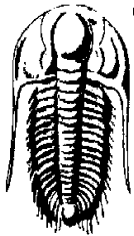
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1969.34	107.73	Initial Hydro-static
1	13.61	107.68	Open To Flow (1)
30	16.71	109.94	Shut-In(1)
59	960.37	111.02	End Shut-In(1)
60	17.66	111.41	Open To Flow (2)
90	20.88	111.89	Shut-In(2)
122	903.75	112.77	End Shut-In(2)
123	1839.08	113.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud	0.14

Gas Rates

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

O'Brien Resources

28-14s-30w Logan County

P.O. Box 6149
Shreveport La, 71136

MSJ Penner 28 #2

Job Ticket: 57492

DST#: 1

ATTN: Kurt T.

Test Start: 2014.10.31 @ 04:52:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud	0.140

Total Length: 10.00 ft

Total Volume: 0.140 bbl

Num Fluid Samples: 0

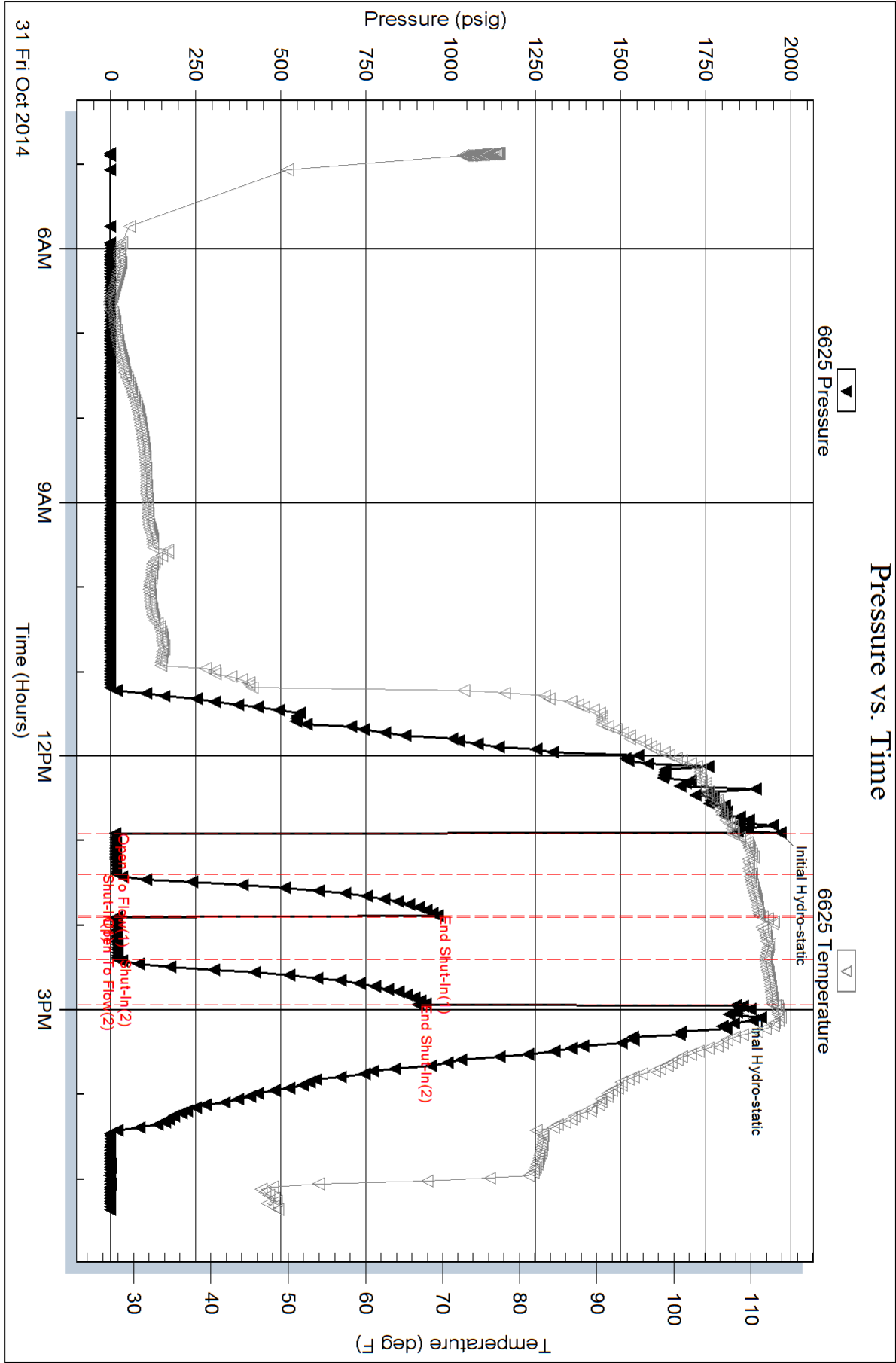
Num Gas Bombs: 0

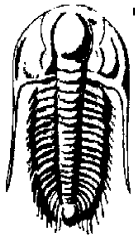
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





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O'Brien Resources

P.O. Box 6149
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ATTN: Kurt T.

28-14s-30w Logan County

MSJ Penner 28 #2

Job Ticket: 57493

DST#: 2

Test Start: 2014.11.02 @ 04:38:00

GENERAL INFORMATION:

Formation: **Lansing H-I-J**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 08:39:00

Time Test Ended: 12:45:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Justin Harris

Unit No: 58

Interval: 4036.00 ft (KB) To 4114.00 ft (KB) (TVD)

Total Depth: 4114.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2777.00 ft (KB)

2763.00 ft (CF)

KB to GR/CF: 14.00 ft

Serial #: 6625

Press@RunDepth: 15.25 psig @ ft (KB)

Start Date: 2014.11.02

End Date:

2014.11.02

Start Time: 04:38:01

End Time:

12:45:00

Capacity: 8000.00 psig

Last Calib.: 2014.11.02

Time On Btm: 2014.11.02 @ 08:38:30

Time Off Btm: 2014.11.02 @ 10:38:30

TEST COMMENT: 30: Weak surface Blow died in 16 mins.

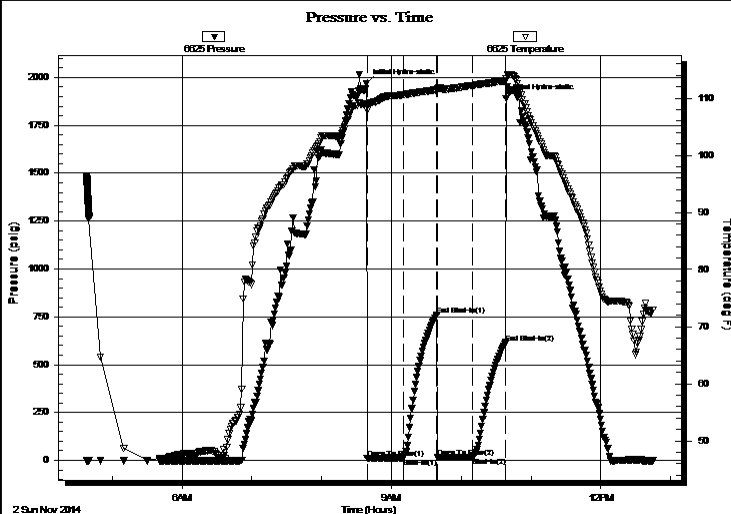
30: No Return.

30: No Blow.

30: No Return.

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1968.70	108.85	Initial Hydro-static
1	11.18	107.92	Open To Flow (1)
32	13.05	110.59	Shut-In(1)
61	759.97	111.46	End Shut-In(1)
61	14.74	111.57	Open To Flow (2)
91	15.25	112.19	Shut-In(2)
120	615.01	113.01	End Shut-In(2)
120	1890.18	113.46	Final Hydro-static



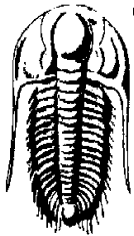
Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud	0.14

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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* Recovery from multiple tests



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P.O. Box 6149
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ATTN: Kurt T.

28-14s-30w Logan County

MSJ Penner 28 #2

Job Ticket: 57493

DST#: 2

Test Start: 2014.11.02 @ 04:38:00

GENERAL INFORMATION:

Formation: **Lansing H-I-J**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 08:39:00

Time Test Ended: 12:45:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Justin Harris

Unit No: 58

Interval: 4036.00 ft (KB) To 4114.00 ft (KB) (TVD)

Total Depth: 4114.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2777.00 ft (KB)

2763.00 ft (CF)

KB to GR/CF: 14.00 ft

Serial #: 8319 Outside

Press@RunDepth: psig @ 4037.00 ft (KB)

Start Date: 2014.11.02

End Date:

2014.11.02

Start Time: 04:38:01

End Time:

12:45:30

Capacity: 8000.00 psig

Last Calib.:

2014.11.02

Time On Btm:

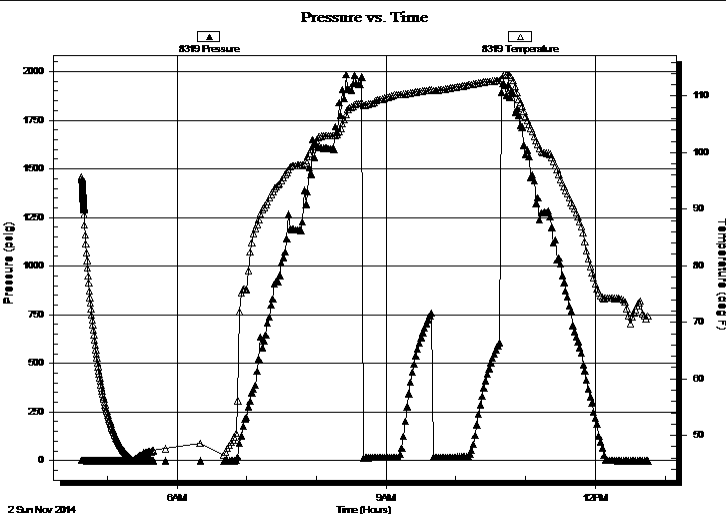
Time Off Btm:

TEST COMMENT: 30: Weak surface Blow died in 16 mins.

30: No Return.

30: No Blow.

30: No Return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
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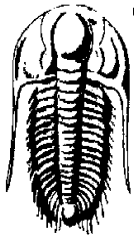
Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud	0.14

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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* Recovery from multiple tests



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DRILL STEM TEST REPORT

FLUID SUMMARY

O'Brien Resources

28-14s-30w Logan County

P.O. Box 6149
Shreveport La, 71136

MSJ Penner 28 #2

Job Ticket: 57493

DST#: 2

ATTN: Kurt T.

Test Start: 2014.11.02 @ 04:38:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud	0.140

Total Length: 10.00 ft

Total Volume: 0.140 bbl

Num Fluid Samples: 0

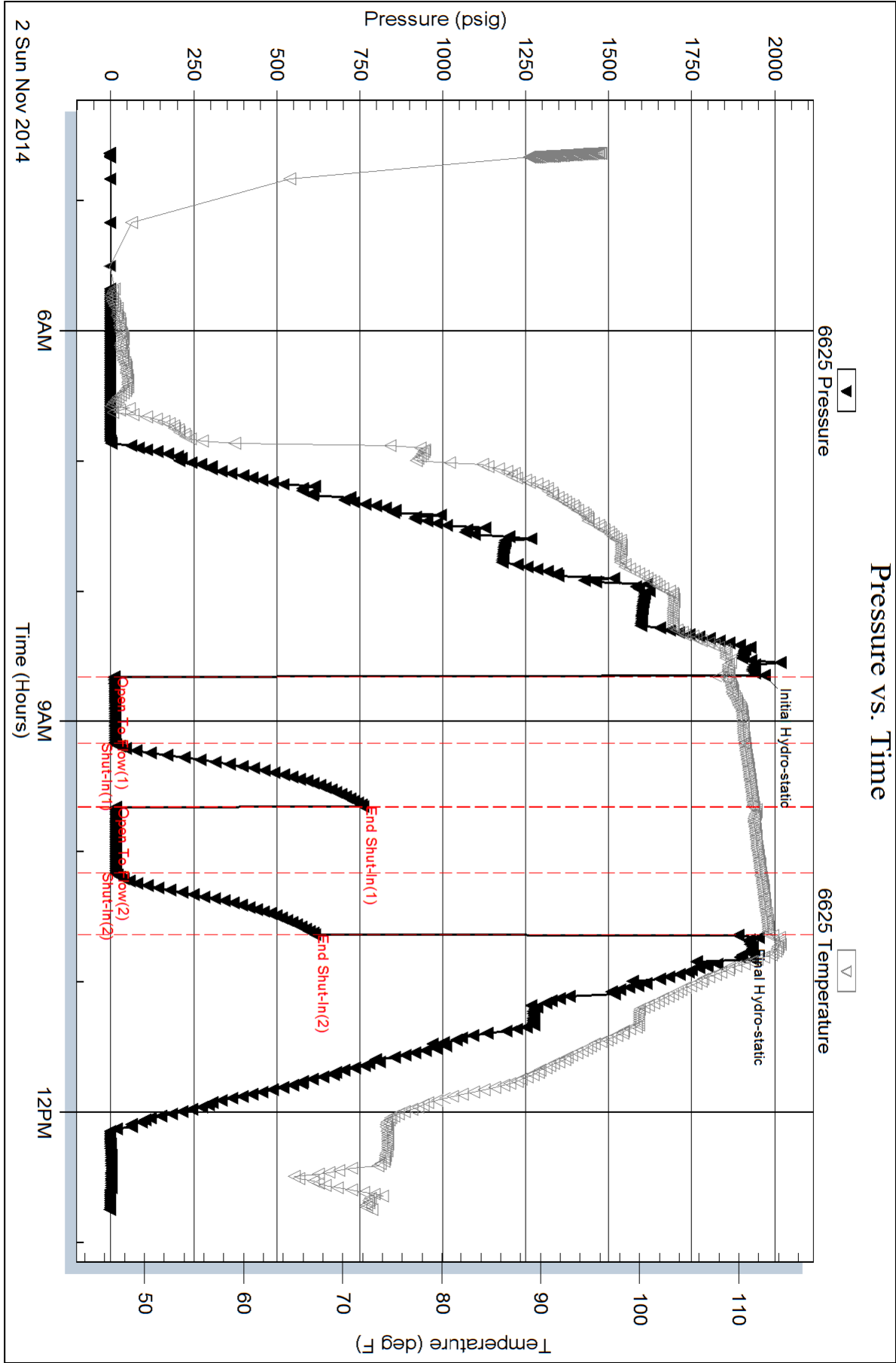
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

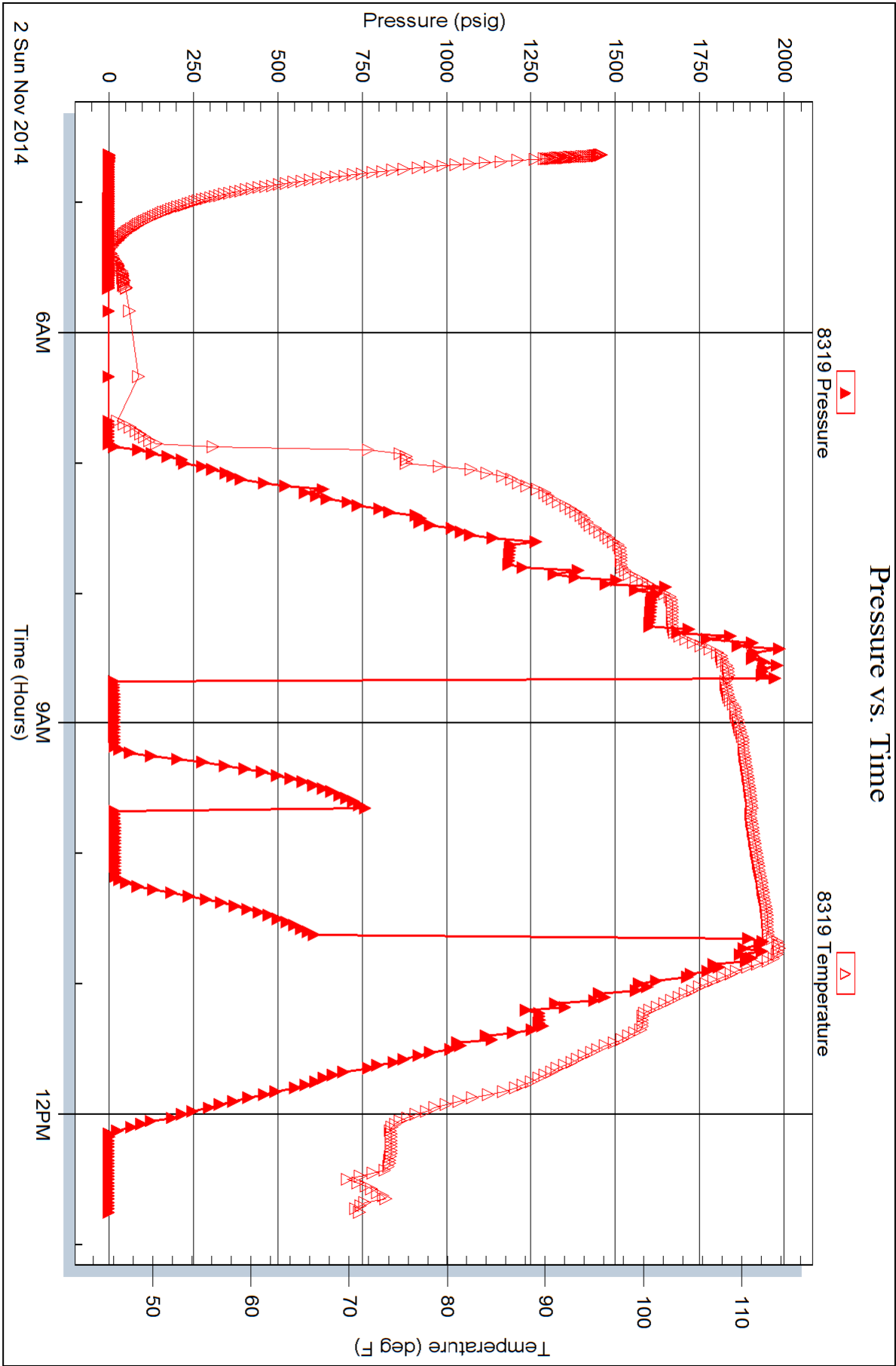


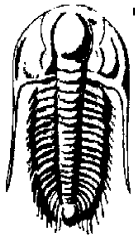
Serial #: 8319

Outside O' Brien Resources

MSJ Penner 28 #2

DST Test Number: 2





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O'Brien Resources

P.O. Box 6149
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ATTN: Kurt T.

28-14s-30w Logan County

MSJ Penner 28 #2

Job Ticket: 57494

DST#: 3

Test Start: 2014.11.03 @ 16:18:00

GENERAL INFORMATION:

Formation: **Myrick Station**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 20:38:00

Time Test Ended: 00:51:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Justin Harris

Unit No: 58

Interval: 4322.00 ft (KB) To 4367.00 ft (KB) (TVD)

Total Depth: 4367.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2777.00 ft (KB)

2763.00 ft (CF)

KB to GR/CF: 14.00 ft

Serial #: 6625

Press@RunDepth: 20.69 psig @ ft (KB)

Start Date: 2014.11.03

End Date:

2014.11.04

Start Time: 16:18:01

End Time:

00:51:00

Capacity: 8000.00 psig

Last Calib.: 2014.11.04

Time On Btm: 2014.11.03 @ 20:37:30

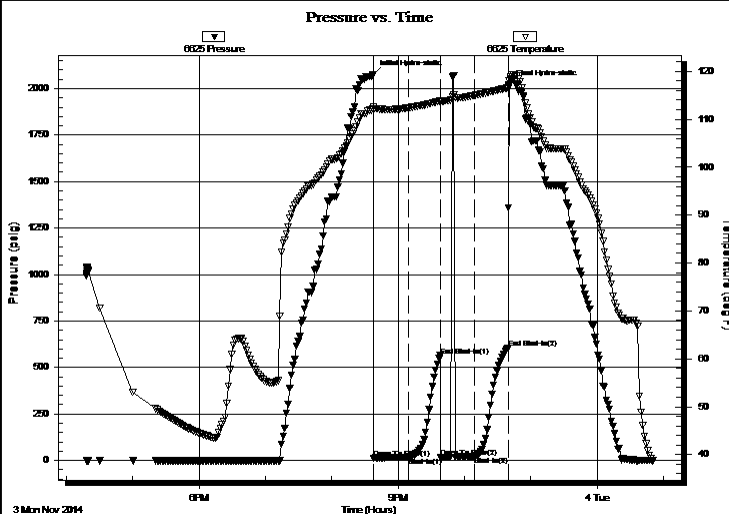
Time Off Btm: 2014.11.03 @ 22:40:30

TEST COMMENT: 30: Weak surface blow died in 18 mins.

30: No Return.

30: No Blow.

30: No Return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2076.52	112.52	Initial Hydro-static
1	12.71	112.02	Open To Flow (1)
32	16.86	112.38	Shut-In(1)
61	563.80	113.79	End Shut-In(1)
61	17.95	113.68	Open To Flow (2)
92	20.69	115.02	Shut-In(2)
122	605.81	116.53	End Shut-In(2)
123	2019.90	117.95	Final Hydro-static

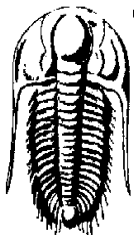
Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud w ith oil spots	0.14

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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* Recovery from multiple tests



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FLUID SUMMARY

O'Brien Resources

28-14s-30w Logan County

P.O. Box 6149
Shreveport La, 71136

MSJ Penner 28 #2

Job Ticket: 57494

DST#: 3

ATTN: Kurt T.

Test Start: 2014.11.03 @ 16:18:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud w ith oil spots	0.140

Total Length: 10.00 ft

Total Volume: 0.140 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

