



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

O'Brien Resources LLC

1-18s-29w Lane Co. KS

P.o Box 6149
Shreveport LA. 71136

Redburn 1 #1

ATTN: Kurt Talbott

Job Ticket: 54966

DST#: 6

Test Start: 2013.11.07 @ 04:02:12

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:01:12

Time Test Ended: 11:06:42

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 60

Interval: 4500.00 ft (KB) To 4562.00 ft (KB) (TVD)

Reference Elevations: 2777.00 ft (KB)

Total Depth: 4562.00 ft (KB) (TVD)

2767.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8373 Inside

Press @ Run Depth: 123.68 psig @ 4501.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.11.07 End Date: 2013.11.07

Last Calib.: 2013.11.07

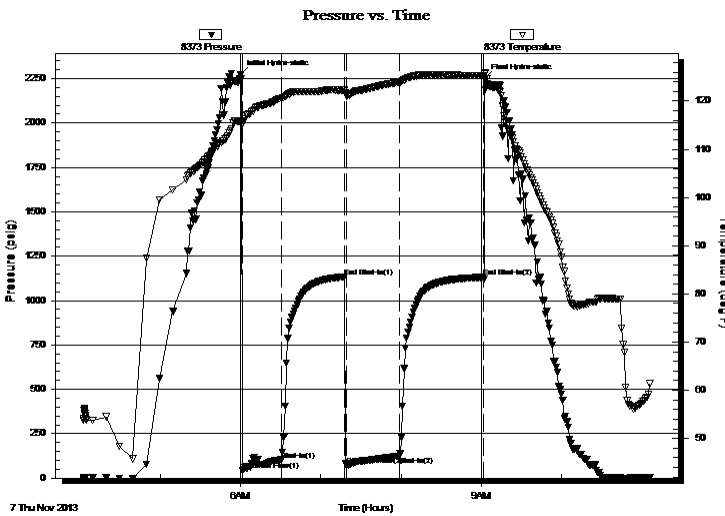
Start Time: 04:02:17 End Time: 11:06:41

Time On Btm: 2013.11.07 @ 05:59:42

Time Off Btm: 2013.11.07 @ 09:02:42

TEST COMMENT: IF: 1/4 blow BOB in 14 min.
IS: Surface blow built to 1/2.
FF: BOB in 10 min.
FS: Surface blow built to 4.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2271.00	115.66	Initial Hydro-static
2	44.00	115.24	Open To Flow (1)
31	102.65	120.54	Shut-In(1)
78	1134.29	122.27	End Shut-In(1)
80	74.18	121.02	Open To Flow (2)
119	123.68	123.90	Shut-In(2)
182	1131.53	125.27	End Shut-In(2)
183	2249.04	125.60	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	mco 40%g 40%o 20%m	0.87
124.00	mco 30%g 60%o 10%m	1.74
93.00	mco 60%o 40%m	1.30
0.00	527 GIP	0.00

Gas Rates

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

* Recovery from multiple tests



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FLUID SUMMARY

O'Brien Resources LLC

1-18s-29w Lane Co. KS

P.o Box 6149
Shreveport LA. 71136

Redburn 1 #1

Job Ticket: 54966

DST#: 6

ATTN: Kurt Talbott

Test Start: 2013.11.07 @ 04:02:12

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: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.60 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
62.00	mcgo 40%g 40%o 20%m	0.870
124.00	mcgo 30%g 60%o 10%m	1.739
93.00	mco 60%o 40%m	1.305
0.00	527 GIP	0.000

Total Length: 279.00 ft

Total Volume: 3.914 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

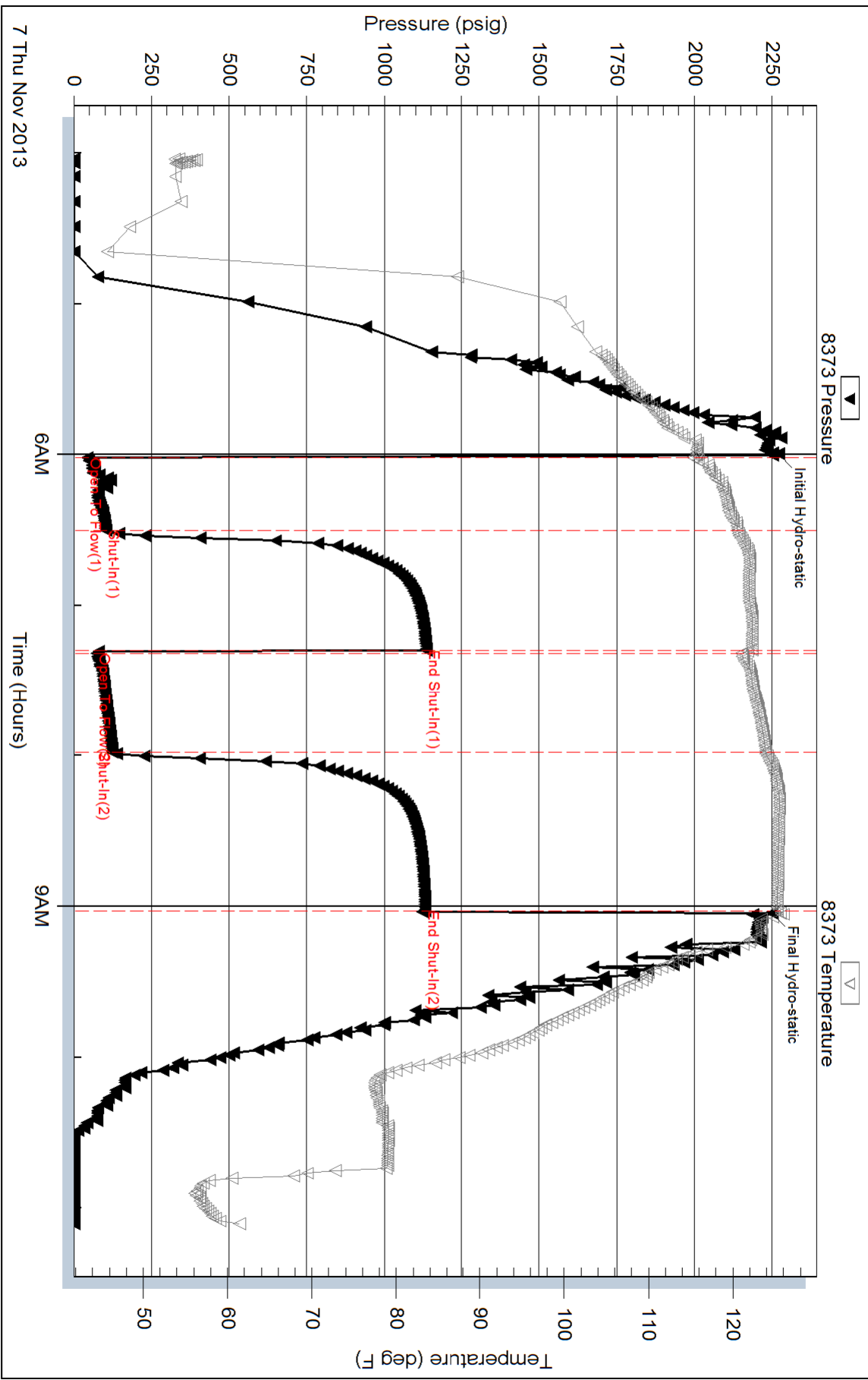
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

O'Brien Resources LLC

1-18s-29w Lane Co. KS

P.o Box 6149
Shreveport LA. 71136

Redburn 1 #1

ATTN: Kurt Talbott

Job Ticket: 54965

DST#: 5

Test Start: 2013.11.05 @ 20:47:03

GENERAL INFORMATION:

Formation:

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:53:03

Time Test Ended: 03:02:03

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 60

Interval: 4308.00 ft (KB) To 4370.00 ft (KB) (TVD)

Reference Elevations: 2777.00 ft (KB)

Total Depth: 4370.00 ft (KB) (TVD)

2767.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8373

Inside

Press @ Run Depth: 21.56 psig @ 4309.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.11.05

End Date:

2013.11.06

Last Calib.:

2013.11.06

Start Time: 20:47:08

End Time:

03:02:02

Time On Btm:

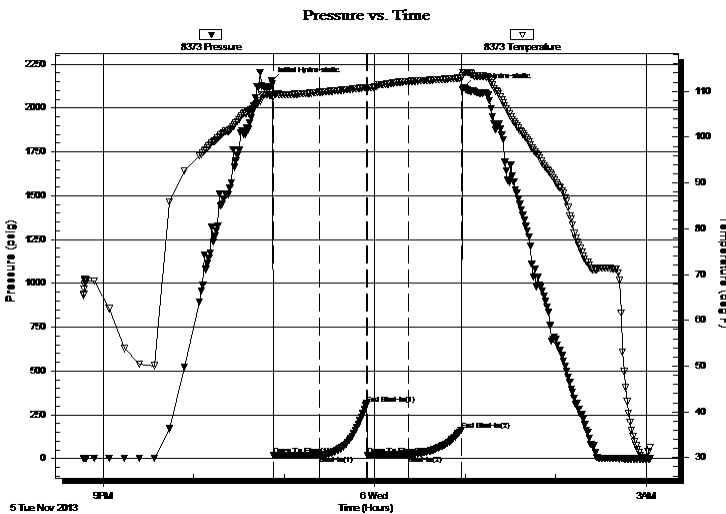
2013.11.05 @ 22:51:33

Time Off Btm:

2013.11.06 @ 00:58:33

TEST COMMENT: IF: Surface blow died in 10 min.
IS: No return.
FF: No blow. Flushed tool surface blow died in 1 min.
FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2153.67	109.15	Initial Hydro-static
2	18.09	108.98	Open To Flow (1)
32	18.96	109.81	Shut-In(1)
63	312.80	110.90	End Shut-In(1)
64	19.62	110.74	Open To Flow (2)
91	21.56	112.15	Shut-In(2)
126	161.38	112.94	End Shut-In(2)
127	2115.94	114.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud 100%m	0.14

Gas Rates

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

* Recovery from multiple tests



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DRILL STEM TEST REPORT

FLUID SUMMARY

O'Brien Resources LLC

1-18s-29w Lane Co. KS

P.o Box 6149
Shreveport LA. 71136

Redburn 1 #1

Job Ticket: 54965

DST#: 5

ATTN: Kurt Talbott

Test Start: 2013.11.05 @ 20:47:03

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: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.60 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
10.00	mud 100%m	0.140

Total Length: 10.00 ft Total Volume: 0.140 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

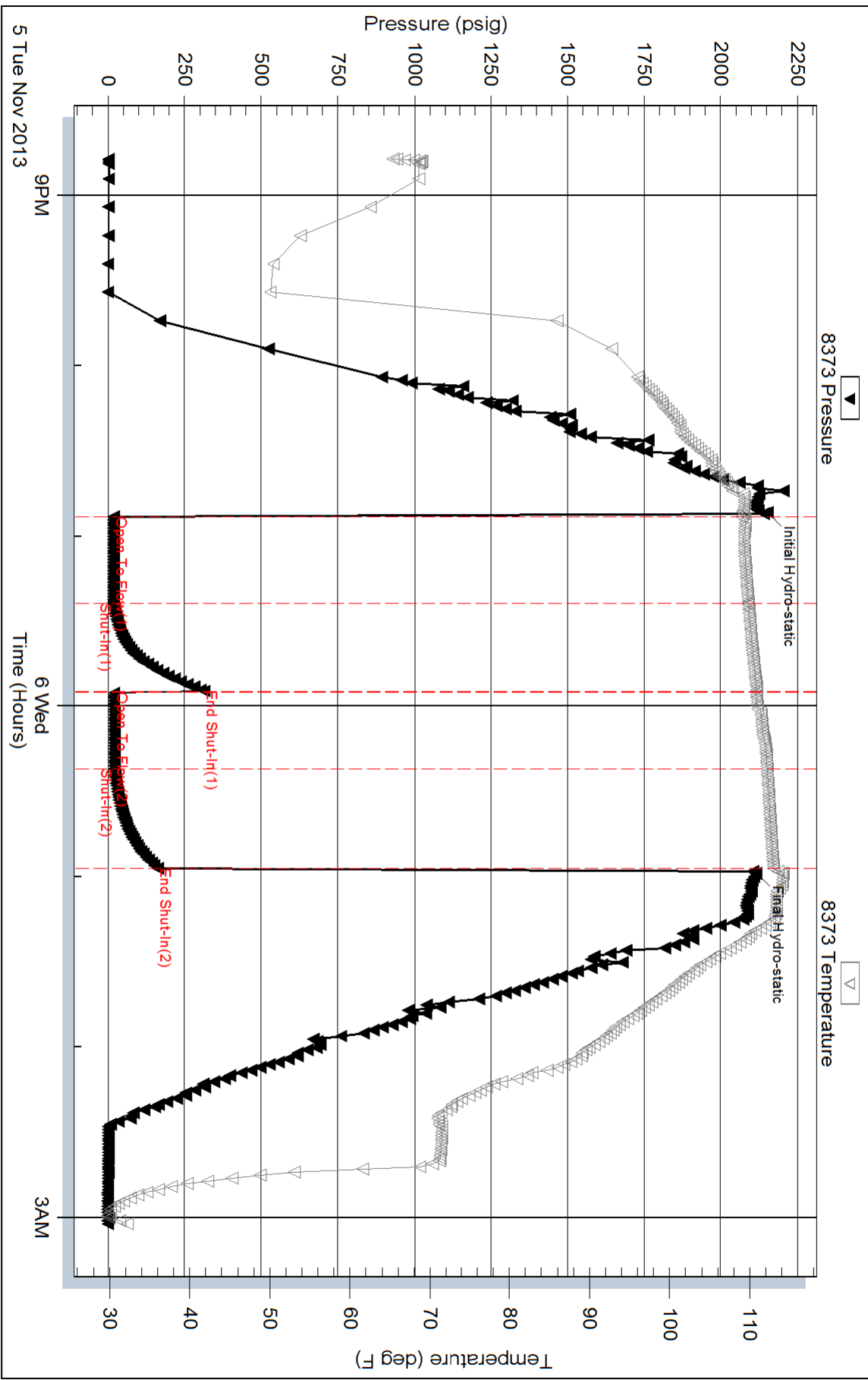
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





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DRILL STEM TEST REPORT

O'Brien Resources LLC

1-18s-29w Lane Co. KS

P.o Box 6149
Shreveport LA. 71136

Redburn 1 #1

ATTN: Kurt Talbott

Job Ticket: 54964

DST#: 4

Test Start: 2013.11.05 @ 04:54:48

GENERAL INFORMATION:

Formation: **Pleasanton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:33:48

Time Test Ended: 11:00:48

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 60

Interval: 4309.00 ft (KB) To 4330.00 ft (KB) (TVD)

Reference Elevations: 2777.00 ft (KB)

Total Depth: 4330.00 ft (KB) (TVD)

2767.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8373

Inside

Press @ Run Depth: 18.37 psig @ 4310.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.11.05

End Date:

2013.11.05

Last Calib.: 2013.11.05

Start Time: 04:54:53

End Time:

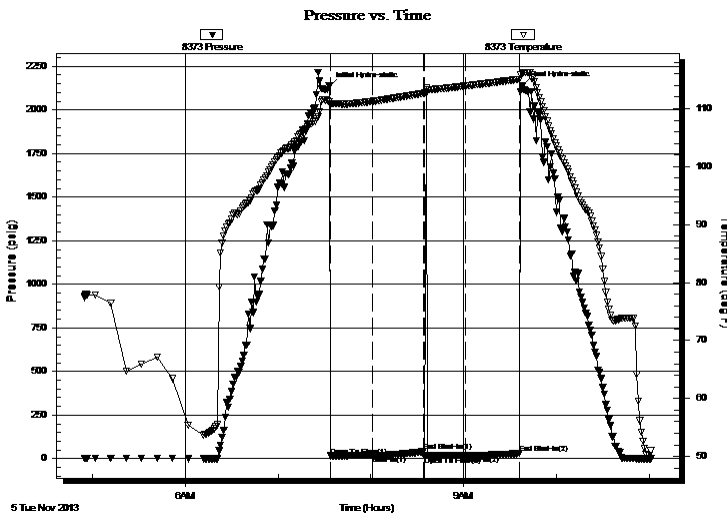
11:00:47

Time On Btm: 2013.11.05 @ 07:32:48

Time Off Btm: 2013.11.05 @ 09:37:48

TEST COMMENT: IF: Surface blow died in 7 min.
IS: No return.
FF: No blow. Flushed tool no blow.
FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2136.35	111.24	Initial Hydro-static
1	15.86	110.62	Open To Flow (1)
28	17.72	111.23	Shut-In(1)
61	40.59	112.63	End Shut-In(1)
62	16.77	112.63	Open To Flow (2)
89	18.37	113.90	Shut-In(2)
123	29.72	115.04	End Shut-In(2)
125	2137.64	116.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud 100% m	0.14

Gas Rates

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

* Recovery from multiple tests



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FLUID SUMMARY

O'Brien Resources LLC

1-18s-29w Lane Co. KS

P.o Box 6149
Shreveport LA. 71136

Redburn 1 #1

Job Ticket: 54964

DST#: 4

ATTN: Kurt Talbott

Test Start: 2013.11.05 @ 04:54:48

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: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.00 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud 100%m	0.140

Total Length: 10.00 ft Total Volume: 0.140 bbl

Num Fluid Samples: 0

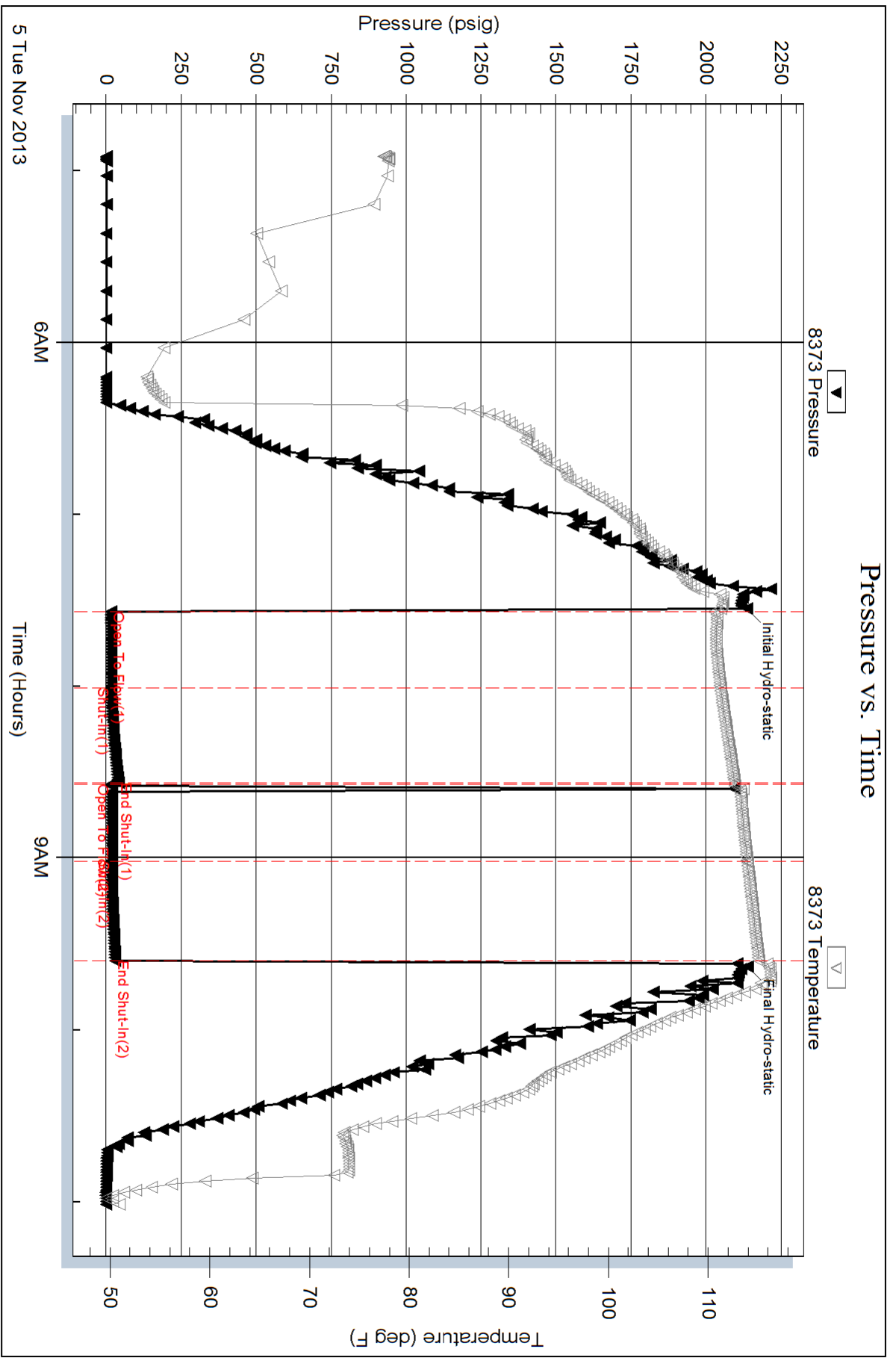
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





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DRILL STEM TEST REPORT

O'Brien Resources LLC

1-18s-29w Lane Co. KS

P.o Box 6149
Shreveport LA. 71136

Redburn 1 #1

ATTN: Kurt Talbott

Job Ticket: 53279

DST#: 3

Test Start: 2013.11.04 @ 12:44:00

GENERAL INFORMATION:

Formation: **LKC 220**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:16:25

Time Test Ended: 20:35:09

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 58

Interval: 4260.00 ft (KB) To 4310.00 ft (KB) (TVD)

Reference Elevations: 2777.00 ft (KB)

Total Depth: 4223.00 ft (KB) (TVD)

2767.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8674

Inside

Press @ Run Depth: 801.96 psig @ 4262.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.11.04

End Date:

2013.11.04

Last Calib.:

2013.11.04

Start Time:

12:44:00

End Time:

20:35:09

Time On Btm:

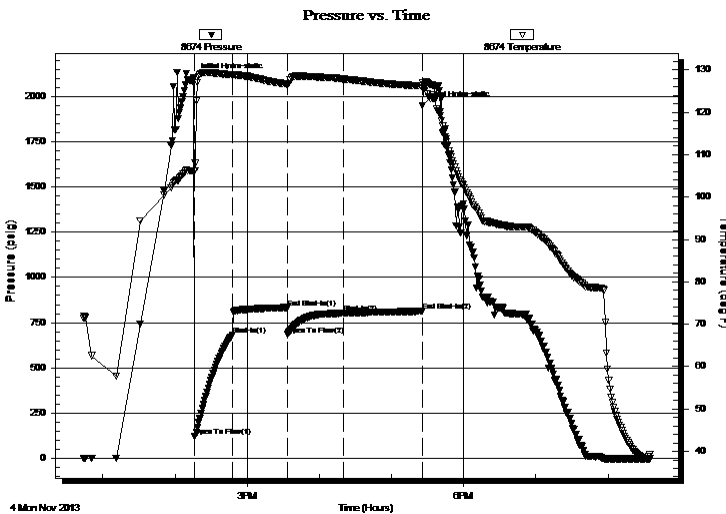
2013.11.04 @ 14:15:55

Time Off Btm:

2013.11.04 @ 17:25:54

TEST COMMENT: IF- Surface Blow Built to BOB in 1 1/2min
IS- No Blow
FF- Surface Blow Built to BOB in 4 3/4min Died Back to 10"
FS- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2104.74	106.34	Initial Hydro-static
1	121.36	106.15	Open To Flow (1)
32	681.41	128.78	Shut-In(1)
78	833.54	126.63	End Shut-In(1)
78	684.05	126.53	Open To Flow (2)
124	801.96	127.82	Shut-In(2)
190	813.08	126.16	End Shut-In(2)
190	1948.76	126.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1612.00	MCW 3% <i>m</i> 97% <i>w</i>	22.61
124.00	GOCW 3% <i>g</i> 5% <i>oil</i> 92% <i>w</i>	1.74
10.00	GMCO 4% <i>g</i> 15% <i>m</i> 81% <i>oil</i>	0.14

* Recovery from multiple tests

Gas Rates

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



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O'Brien Resources LLC

1-18s-29w Lane Co. KS

P.o Box 6149
Shreveport LA. 71136

Redburn 1 #1

Job Ticket: 53279

DST#: 3

ATTN: Kurt Talbott

Test Start: 2013.11.04 @ 12:44:00

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:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.00 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1612.00	MCW 3%m 97%w	22.612
124.00	GOCW 3%g 5%oil 92%w	1.739
10.00	GMCO 4%g 15%m 81%oil	0.140

Total Length: 1746.00 ft Total Volume: 24.491 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

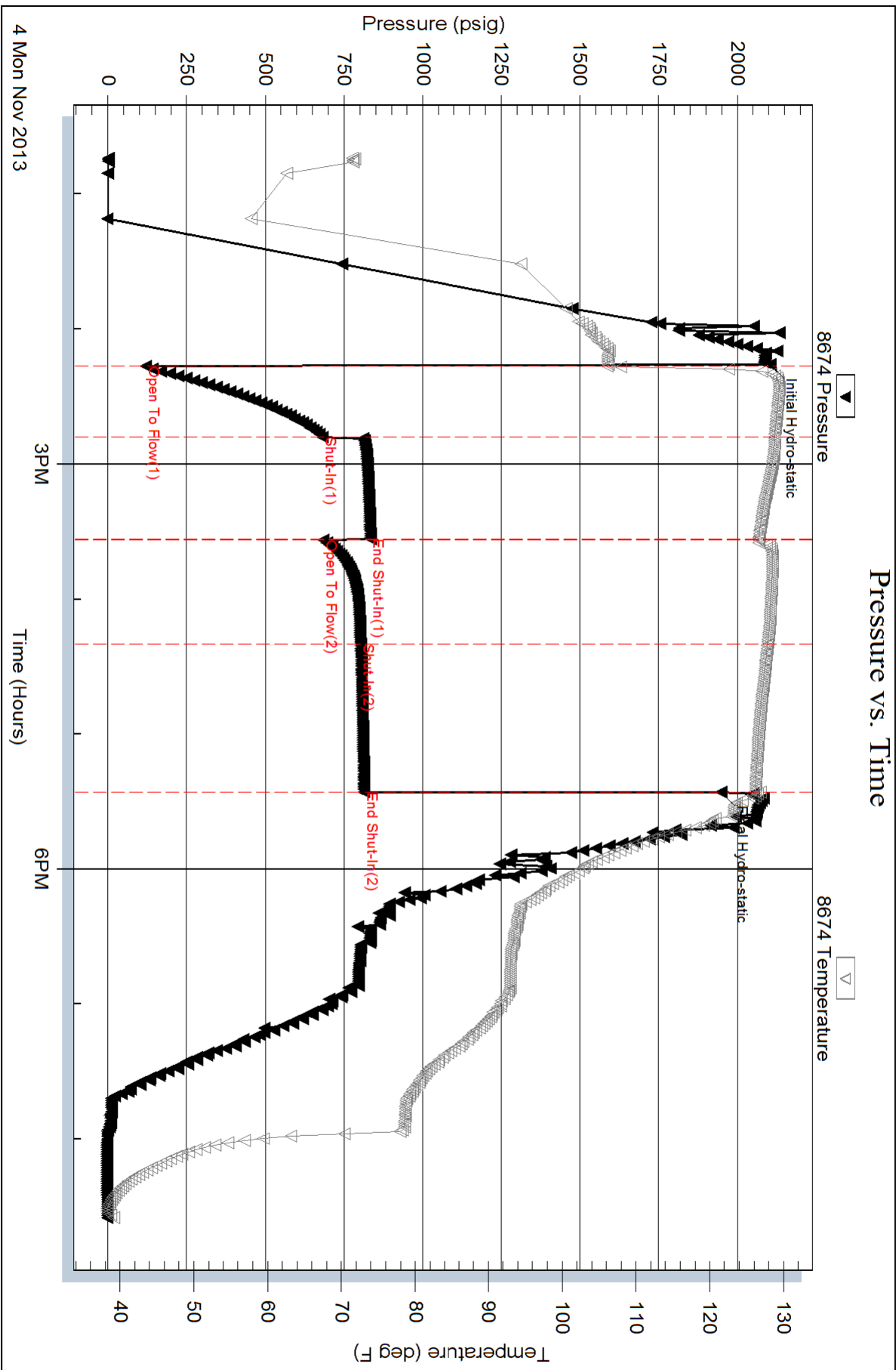
Serial #: 8674

Inside

0'Brien Resources LLC

Redburn 1 #1

DST Test Number: 3





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

O'Brien Resources LLC

1-18s-29w Lane Co. KS

P.o Box 6149
Shreveport LA. 71136

Redburn 1 #1

Job Ticket: 53278

DST#: 2

ATTN: Kurt Talbott

Test Start: 2013.11.03 @ 19:30:00

GENERAL INFORMATION:

Formation: **LKC 200**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:29:40
 Time Test Ended: 02:36:39
 Interval: **4225.00 ft (KB) To 4260.00 ft (KB) (TVD)**
 Total Depth: 4260.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Will MacLean
 Unit No: 58
 Reference Elevations: 2777.00 ft (KB)
 2767.00 ft (CF)
 KB to GR/CF: 10.00 ft

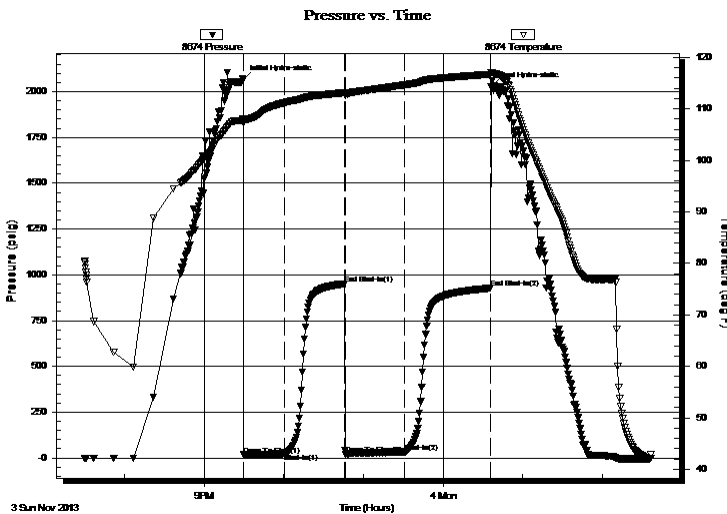
Serial #: 8674

Inside

Press @ Run Depth: 31.82 psig @ 4226.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.11.03 End Date: 2013.11.04 Last Calib.: 2013.11.04
 Start Time: 19:30:00 End Time: 02:36:39 Time On Btm: 2013.11.03 @ 21:29:25
 Time Off Btm: 2013.11.04 @ 00:36:09

TEST COMMENT: IF- Weak Surface Blow Built to 2 1/2"
 IS- No Blow
 FF- Weak Surface Blow Built to 3 3/4"
 FS- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2065.50	108.03	Initial Hydro-static
1	17.33	107.24	Open To Flow (1)
31	22.89	111.18	Shut-In(1)
77	951.45	113.14	End Shut-In(1)
78	20.61	112.79	Open To Flow (2)
122	31.82	114.62	Shut-In(2)
187	926.67	116.69	End Shut-In(2)
187	2027.99	117.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
51.00	GMCO 7%g 37%m	0.72
1.00	100%oil	0.01
0.00	72' of GIP	0.00

Gas Rates

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

* Recovery from multiple tests



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DRILL STEM TEST REPORT

FLUID SUMMARY

O'Brien Resources LLC

1-18s-29w Lane Co. KS

P.o Box 6149
Shreveport LA. 71136

Redburn 1 #1

Job Ticket: 53278

DST#: 2

ATTN: Kurt Talbott

Test Start: 2013.11.03 @ 19:30:00

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:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
51.00	GMCO 7%g 37%m	0.715
1.00	100%oil	0.014
0.00	72' of GIP	0.000

Total Length: 52.00 ft Total Volume: 0.729 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

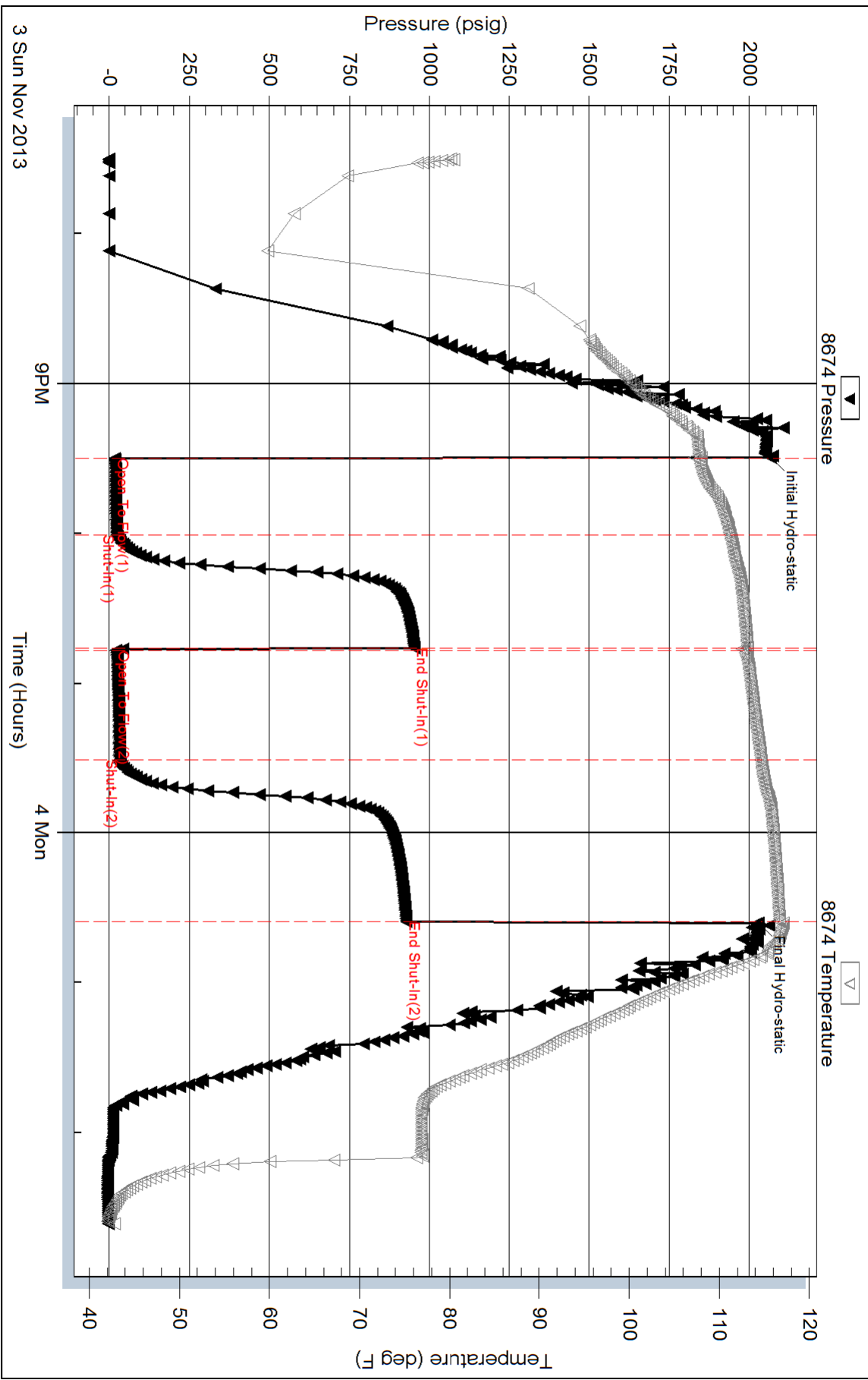
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

O'Brien Resources LLC

1-18s-29w Lane Co. KS

P.o Box 6149
Shreveport LA. 71136

Redburn 1 #1

Job Ticket: 53277

DST#: 1

ATTN: Kurt Talbott

Test Start: 2013.11.02 @ 19:02:00

GENERAL INFORMATION:

Formation: **LKC " 140 , 160 , 1**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:24:55
 Time Test Ended: 12:33:24
 Interval: **4131.00 ft (KB) To 4223.00 ft (KB) (TVD)**
 Total Depth: 4223.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Will MacLean
 Unit No: 58
 Reference Elevations: 2777.00 ft (KB)
 2767.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8674

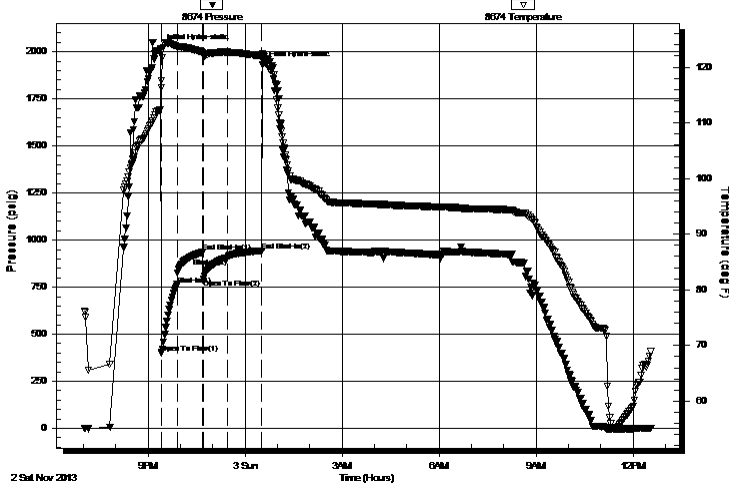
Inside

Press @ Run Depth: 906.85 psig @ 4134.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.11.02 End Date: 2013.11.03 Last Calib.: 2013.11.03
 Start Time: 19:02:00 End Time: 12:33:24 Time On Btm: 2013.11.02 @ 21:22:55
 Time Off Btm: 2013.11.03 @ 00:31:54

TEST COMMENT: IF- Strong Surface Blow Built to BOB in 25sec
 IS- Weak Surface Blow in 4min Built to 3 1/4"
 FF- Surface Blow Built to BOB in 1 1/2min
 FS- Weak Surface Blow

Ruined cap gaskets covered the testing pickup in oil
 Shut Down from 2 30am to 7 30am
 Broke my w wheels for the tool

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2015.53	112.44	Initial Hydro-static
2	401.30	117.59	Open To Flow (1)
31	763.53	123.72	Shut-In(1)
79	935.64	122.64	End Shut-In(1)
80	792.15	122.38	Open To Flow (2)
125	906.85	122.71	Shut-In(2)
188	943.99	122.01	End Shut-In(2)
189	1928.85	122.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
992.00	MGCO 10%m 20%g 70%oil	13.92
744.00	MOCG 14%m 45%g 41%oil	10.44
248.00	GMCO 30%g 30%m 40%oil	3.48
62.00	MGCO 22%m 26%g 52%oil	0.87
144.00	GO 14%g 86%oil	2.02
0.00	558 of Weak GIP	0.00

Gas Rates

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



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FLUID SUMMARY

O'Brien Resources LLC

1-18s-29w Lane Co. KS

P.o Box 6149
Shreveport LA. 71136

Redburn 1 #1

Job Ticket: 53277

DST#: 1

ATTN: Kurt Talbott

Test Start: 2013.11.02 @ 19:02:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

39 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.00 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
992.00	MGCO 10%m 20%g 70%oil	13.915
744.00	MOCG 14%m 45%g 41%oil	10.436
248.00	GMCO 30%g 30%m 40%oil	3.479
62.00	MGCO 22%m 26%g 52%oil	0.870
144.00	GO 14%g 86%oil	2.020
0.00	558 of Weak GIP	0.000

Total Length: 2190.00 ft Total Volume: 30.720 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API is 37 @ 40f = 39

Serial #: 8674

Inside

0'Brien Resources LLC

Redburn 1 #1

DST Test Number: 1

