



DRILL STEM TEST REPORT

Prepared For: **Suemaaur Expl. & Prod. LLC**

802 N. Carancahua
Corpus Christi TX 78401

ATTN: Bob Peterson

Campbell #1

3-7s-28w Sheridan KS

Start Date: 2015.12.04 @ 07:00:00

End Date: 2015.12.04 @ 15:52:19

Job Ticket #: 65253 DST #: 1

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

Printed: 2015.12.08 @ 14:38:59

Suemaaur Expl. & Prod. LLC
3-7s-28w Sheridan KS
Campbell #1
DST # 1
LKC " C "
2015.12.04



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Suemaour Expl. & Prod. LLC

3-7s-28w Sheridan KS

802 N. Carancahua
Corpus Christi TX 78401

Campbell #1

Job Ticket: 65253

DST#: 1

ATTN: Bob Peterson

Test Start: 2015.12.04 @ 07:00:00

GENERAL INFORMATION:

Formation: **LKC " C "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:25:40

Time Test Ended: 15:52:19

Test Type: Conventional Bottom Hole (Initial)

Tester: Ryan Nichols

Unit No: 78

Interval: 3955.00 ft (KB) To 3980.00 ft (KB) (TVD)

Reference Elevations: 2772.00 ft (KB)

Total Depth: 3980.00 ft (KB) (TVD)

2767.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6752

Inside

Press@RunDepth: 221.99 psig @ 3956.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.12.04

End Date:

2015.12.04

Last Calib.:

2015.12.04

Start Time: 07:00:01

End Time:

15:52:19

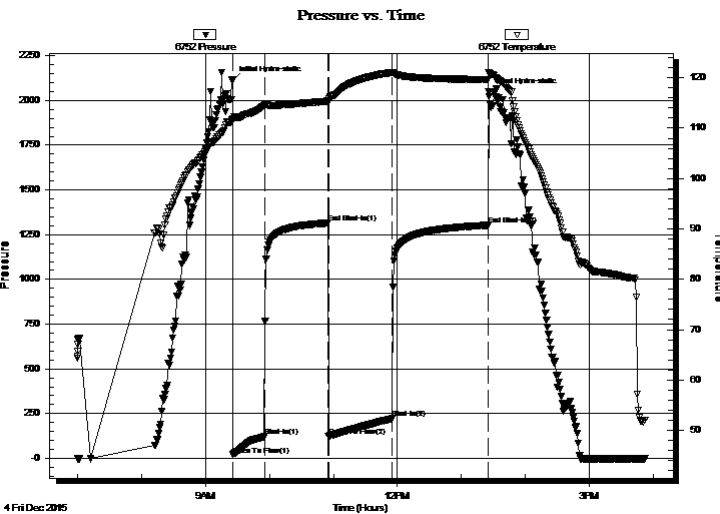
Time On Btm:

2015.12.04 @ 09:25:30

Time Off Btm:

2015.12.04 @ 13:25:39

TEST COMMENT: 30 IF - Surface blow built to BoB @ 24 mins
60 ISI - No return
60 FF - Surface blow started @ 1 min built to BoB @ 27 mins
90 FSI - No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2110.73	111.92	Initial Hydro-static
1	19.36	111.54	Open To Flow (1)
30	121.74	114.56	Shut-In(1)
90	1315.08	115.35	End Shut-In(1)
90	124.54	115.23	Open To Flow (2)
150	221.99	121.07	Shut-In(2)
240	1302.18	119.67	End Shut-In(2)
241	2045.58	120.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	MCW - 25%M - 75%W	0.30
313.00	MCW - 5%M - 95%W	3.26
70.00	MCW - 20%M - 80%W w / oil odor	0.98

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Suemaaur Expl. & Prod. LLC

3-7s-28w Sheridan KS

802 N. Carancahua
Corpus Christi TX 78401

Campbell #1

Job Ticket: 65253

DST#: 1

ATTN: Bob Peterson

Test Start: 2015.12.04 @ 07:00:00

Tool Information

Drill Pipe:	Length: 3772.00 ft	Diameter: 3.80 inches	Volume: 52.91 bbl	Tool Weight: 2500.00 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: 186.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 53.82 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3955.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	52.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3929.00	
Shut In Tool	5.00			3934.00	
Hydraulic tool	5.00			3939.00	
Jars	5.00			3944.00	
Safety Joint	2.00			3946.00	
Packer	5.00			3951.00	27.00 Bottom Of Top Packer
Packer	4.00			3955.00	
Stubb	1.00			3956.00	
Recorder	0.00	6752	Inside	3956.00	
Recorder	0.00	8322	Outside	3956.00	
Perforations	21.00			3977.00	
Bullnose	3.00			3980.00	25.00 Bottom Packers & Anchor

Total Tool Length: 52.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Suemaur Expl. & Prod. LLC

3-7s-28w Sheridan KS

802 N. Carancahua
Corpus Christi TX 78401

Campbell #1

Job Ticket: 65253

DST#: 1

ATTN: Bob Peterson

Test Start: 2015.12.04 @ 07:00:00

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:

13000 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
62.00	MCW - 25%M - 75%W	0.305
313.00	MCW - 5%M - 95%W	3.261
70.00	MCW - 20%M - 80%W w / oil odor	0.982

Total Length: 445.00 ft Total Volume: 4.548 bbl

Num Fluid Samples: 0

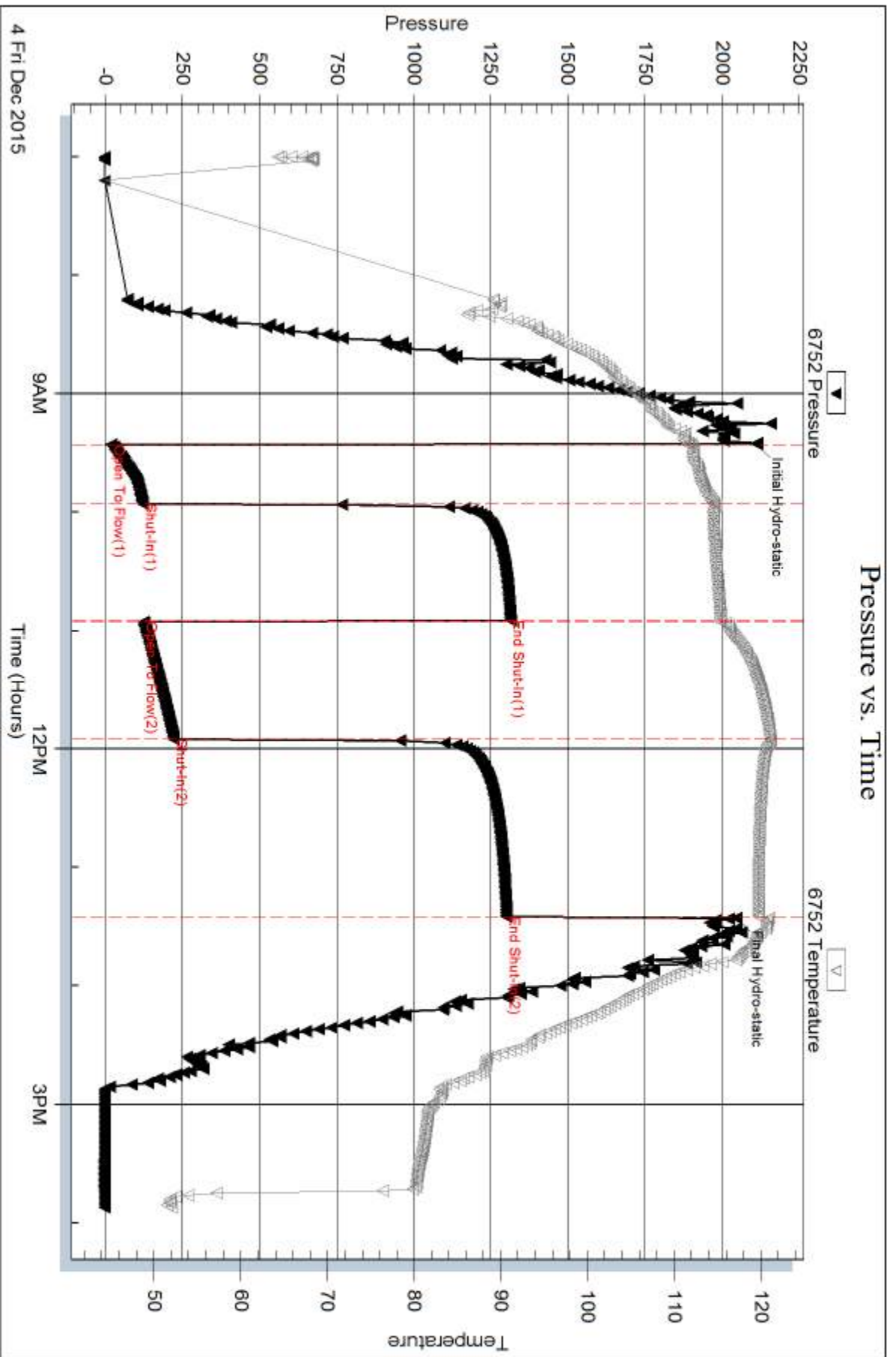
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW = .670 @ 54 DEG F

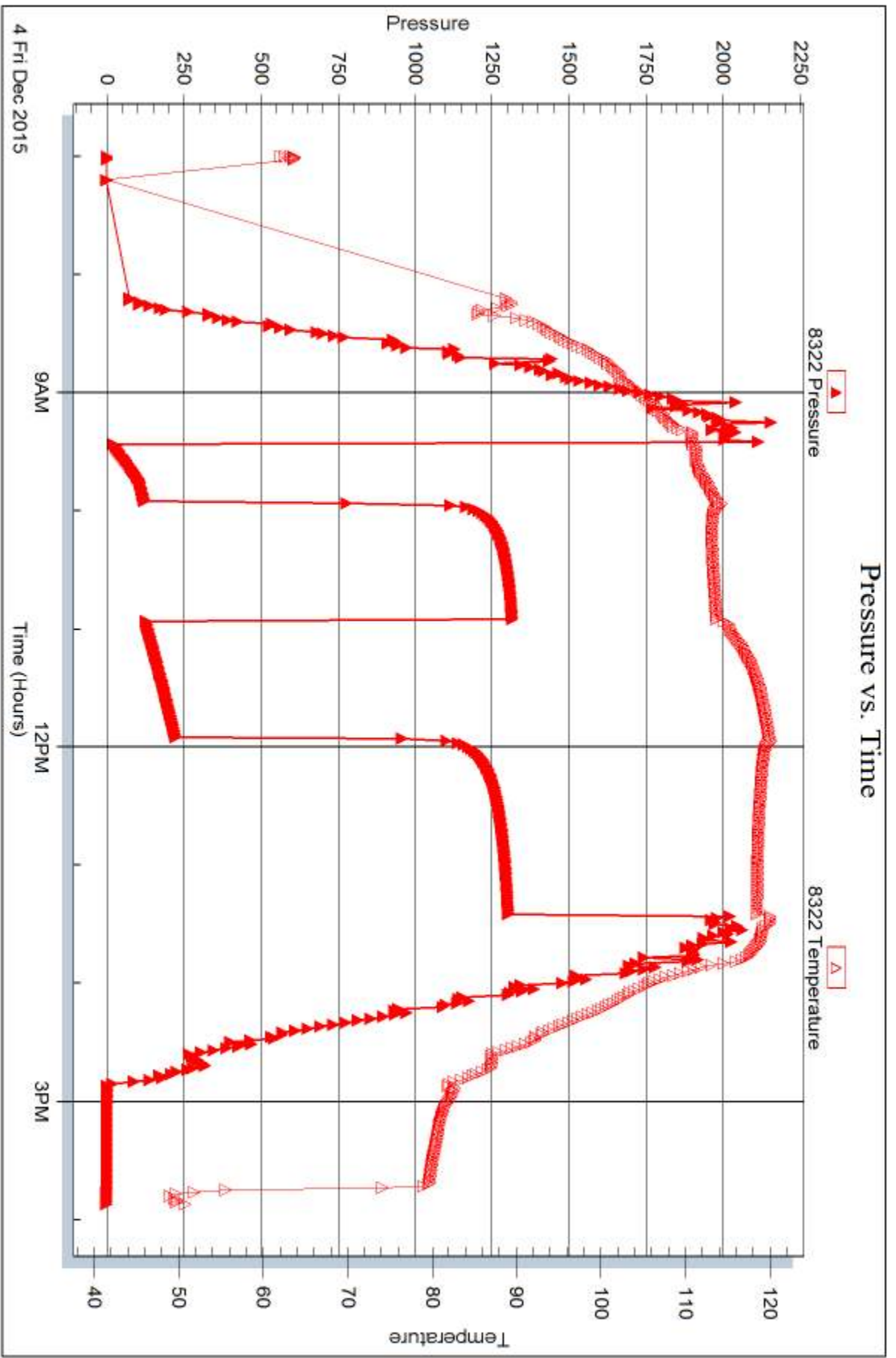


Serial #: 8322

Outside Suenor Expl. & Prod. LLC

Campbell #1

DST Test Number: 1



Tribble Testing, Inc

Ref. No: 65253

Printed: 2015.12.08 @ 14:39:01



DRILL STEM TEST REPORT

Prepared For: **Suemaaur Expl. & Prod. LLC**

802 N. Carancahua
Corpus Christi TX 78401

ATTN: Bob Peterson

Campbell #1

3-7s-28w Sheridan KS

Start Date: 2015.12.05 @ 10:12:00

End Date: 2015.12.05 @ 17:58:00

Job Ticket #: 65254 DST #: 2

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

Printed: 2015.12.08 @ 14:38:35

Suemaaur Expl. & Prod. LLC
3-7s-28w Sheridan KS
Campbell #1
DST # 2
LKC " J "
2015.12.05



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Suemaour Expl. & Prod. LLC

3-7s-28w Sheridan KS

802 N. Carancahua
Corpus Christi TX 78401

Campbell #1

Job Ticket: 65254

DST#: 2

ATTN: Bob Peterson

Test Start: 2015.12.05 @ 10:12:00

GENERAL INFORMATION:

Formation: **LKC " J "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:16:40

Time Test Ended: 17:58:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Ryan Nichols

Unit No: 78

Interval: 4074.00 ft (KB) To 4110.00 ft (KB) (TVD)

Reference Elevations: 2772.00 ft (KB)

Total Depth: 4110.00 ft (KB) (TVD)

2767.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6752

Inside

Press@RunDepth: 24.42 psig @ 4075.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.12.05

End Date:

2015.12.05

Last Calib.: 2015.12.05

Start Time: 10:12:01

End Time:

17:58:00

Time On Btm: 2015.12.05 @ 12:16:30

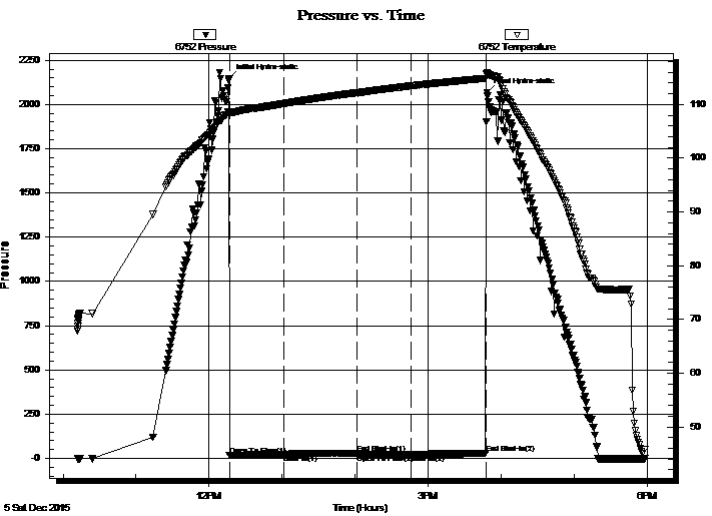
Time Off Btm: 2015.12.05 @ 15:48:20

TEST COMMENT: 45 IF - Surface blow built to 1"

60 ISI - No return

45 FF - No blow

60 FSI - No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2146.58	108.73	Initial Hydro-static
1	15.83	108.37	Open To Flow (1)
45	24.23	110.19	Shut-In(1)
105	30.31	112.19	End Shut-In(1)
105	25.59	112.20	Open To Flow (2)
150	24.42	113.46	Shut-In(2)
211	27.81	114.88	End Shut-In(2)
212	2066.20	115.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
4.00	Mud 100%	0.02

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Suemaaur Expl. & Prod. LLC

3-7s-28w Sheridan KS

802 N. Carancahua
Corpus Christi TX 78401

Campbell #1

Job Ticket: 65254

DST#: 2

ATTN: Bob Peterson

Test Start: 2015.12.05 @ 10:12:00

Tool Information

Drill Pipe:	Length: 3867.00 ft	Diameter: 3.80 inches	Volume: 54.24 bbl	Tool Weight: 2500.00 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: 186.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 55.15 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4074.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	36.00 ft			
Tool Length:	63.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4048.00	
Shut In Tool	5.00			4053.00	
Hydraulic tool	5.00			4058.00	
Jars	5.00			4063.00	
Safety Joint	2.00			4065.00	
Packer	5.00			4070.00	27.00 Bottom Of Top Packer
Packer	4.00			4074.00	
Stubb	1.00			4075.00	
Recorder	0.00	6752	Inside	4075.00	
Recorder	0.00	8322	Outside	4075.00	
Perforations	32.00			4107.00	
Bullnose	3.00			4110.00	36.00 Bottom Packers & Anchor

Total Tool Length: 63.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Suemaur Expl. & Prod. LLC

3-7s-28w Sheridan KS

802 N. Carancahua
Corpus Christi TX 78401

Campbell #1

Job Ticket: 65254

DST#: 2

ATTN: Bob Peterson

Test Start: 2015.12.05 @ 10:12:00

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: 68.00 sec/qt

Cushion Volume:

bbl

Water Loss: 5.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1400.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
4.00	Mud 100%	0.020

Total Length: 4.00 ft Total Volume: 0.020 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

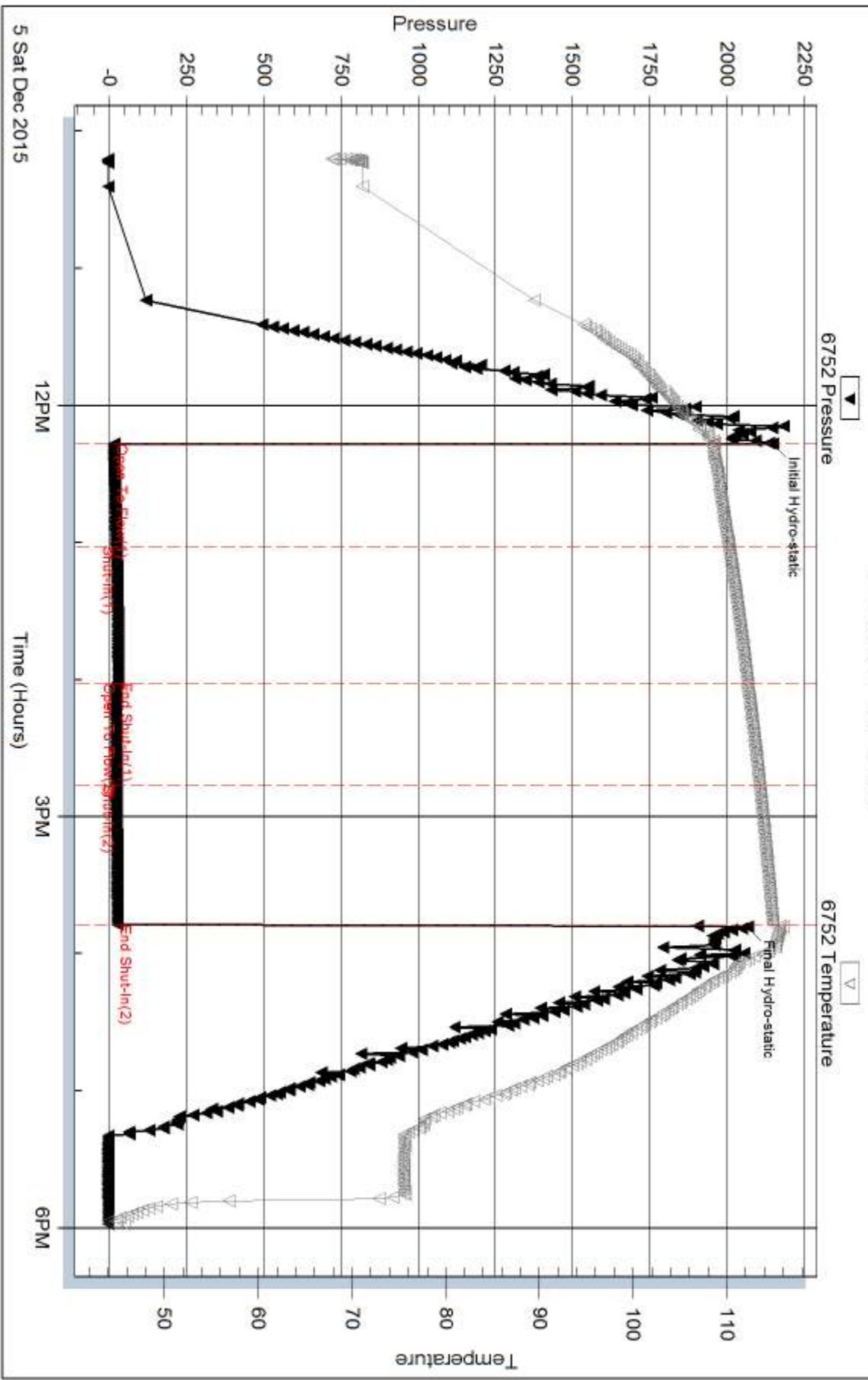
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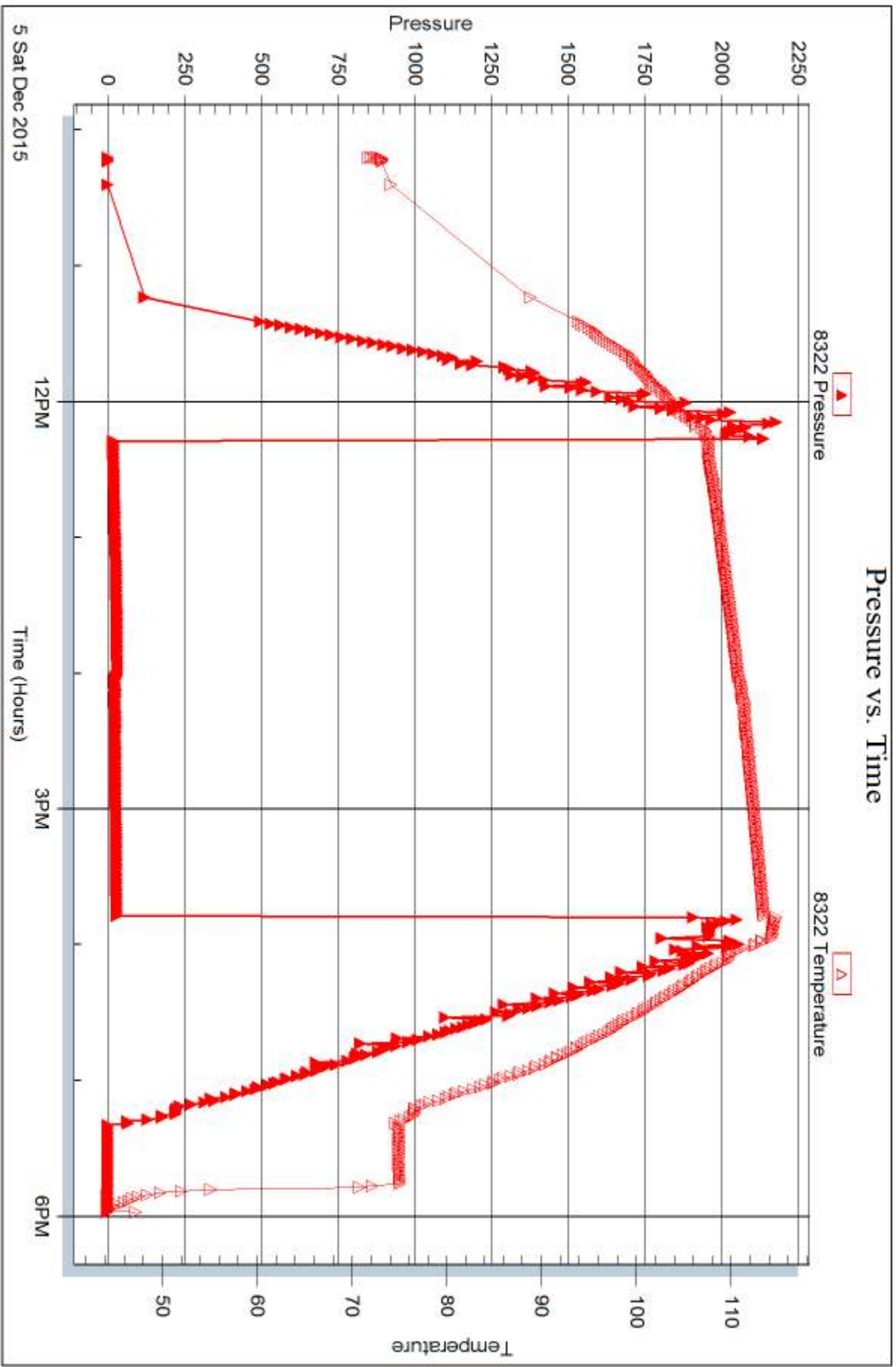
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **Suemaaur Expl. & Prod. LLC**

802 N. Carancahua
Corpus Christi TX 78401

ATTN: Bob Peterson

Campbell #1

3-7s-28w Sheridan KS

Start Date: 2015.12.06 @ 04:13:00

End Date: 2015.12.06 @ 12:06:20

Job Ticket #: 65255 DST #: 3

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

Printed: 2015.12.08 @ 14:38:06



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Suemaour Expl. & Prod. LLC

3-7s-28w Sheridan KS

802 N. Carancahua
Corpus Christi TX 78401

Campbell #1

Job Ticket: 65255

DST#: 3

ATTN: Bob Peterson

Test Start: 2015.12.06 @ 04:13:00

GENERAL INFORMATION:

Formation: **LKC " K - L "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:25:10

Time Test Ended: 12:06:20

Test Type: Conventional Bottom Hole (Reset)

Tester: Ryan Nichols

Unit No: 78

Interval: 4110.00 ft (KB) To 4152.00 ft (KB) (TVD)

Reference Elevations: 2772.00 ft (KB)

Total Depth: 4152.00 ft (KB) (TVD)

2767.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6752

Inside

Press@RunDepth: 18.29 psig @ 4111.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.12.06

End Date:

2015.12.06

Last Calib.:

2015.12.06

Start Time: 04:13:01

End Time:

12:06:20

Time On Btm:

2015.12.06 @ 06:24:40

Time Off Btm:

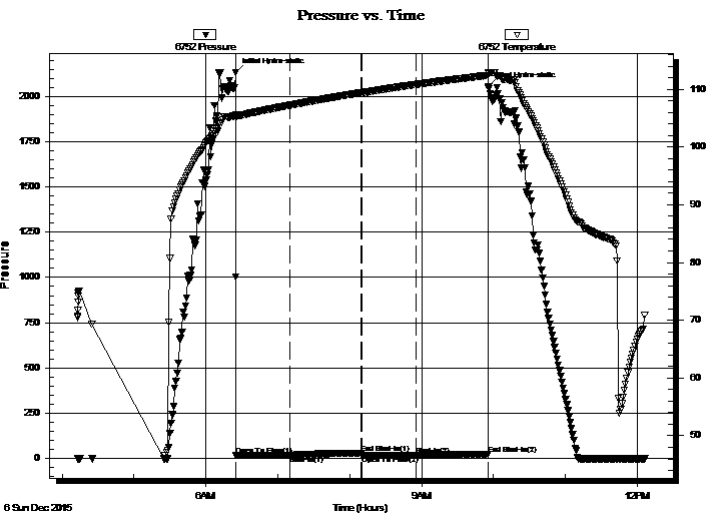
2015.12.06 @ 09:55:39

TEST COMMENT: 45 IF - Surface blow built to 1/2" died back to 1/4"

60 ISI - No return

45 FF - No blow

60 FSI - No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2133.41	105.50	Initial Hydro-static
1	15.13	105.22	Open To Flow (1)
46	16.97	107.24	Shut-In(1)
105	28.82	109.40	End Shut-In(1)
106	17.12	109.40	Open To Flow (2)
151	18.29	110.81	Shut-In(2)
211	21.40	112.40	End Shut-In(2)
211	2056.73	112.79	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Mud w / oil spots 100%M	0.01

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Suemaaur Expl. & Prod. LLC

3-7s-28w Sheridan KS

802 N. Carancahua
Corpus Christi TX 78401

Campbell #1

Job Ticket: 65255

DST#: 3

ATTN: Bob Peterson

Test Start: 2015.12.06 @ 04:13:00

Tool Information

Drill Pipe:	Length: 3928.00 ft	Diameter: 3.80 inches	Volume: 55.10 bbl	Tool Weight:	2500.00 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: 186.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose:	68000.00 lb
			<u>Total Volume: 56.01 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	4110.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	42.00 ft				
Tool Length:	69.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4084.00	
Shut In Tool	5.00			4089.00	
Hydraulic tool	5.00			4094.00	
Jars	5.00			4099.00	
Safety Joint	2.00			4101.00	
Packer	5.00			4106.00	27.00 Bottom Of Top Packer
Packer	4.00			4110.00	
Stubb	1.00			4111.00	
Recorder	0.00	6752	Inside	4111.00	
Recorder	0.00	8322	Outside	4111.00	
Perforations	38.00			4149.00	
Bullnose	3.00			4152.00	42.00 Bottom Packers & Anchor

Total Tool Length: 69.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Suemaour Expl. & Prod. LLC

3-7s-28w Sheridan KS

802 N. Carancahua
Corpus Christi TX 78401

Campbell #1

Job Ticket: 65255

DST#: 3

ATTN: Bob Peterson

Test Start: 2015.12.06 @ 04:13:00

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: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1400.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	Mud w / oil spots 100%M	0.010

Total Length: 2.00 ft Total Volume: 0.010 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

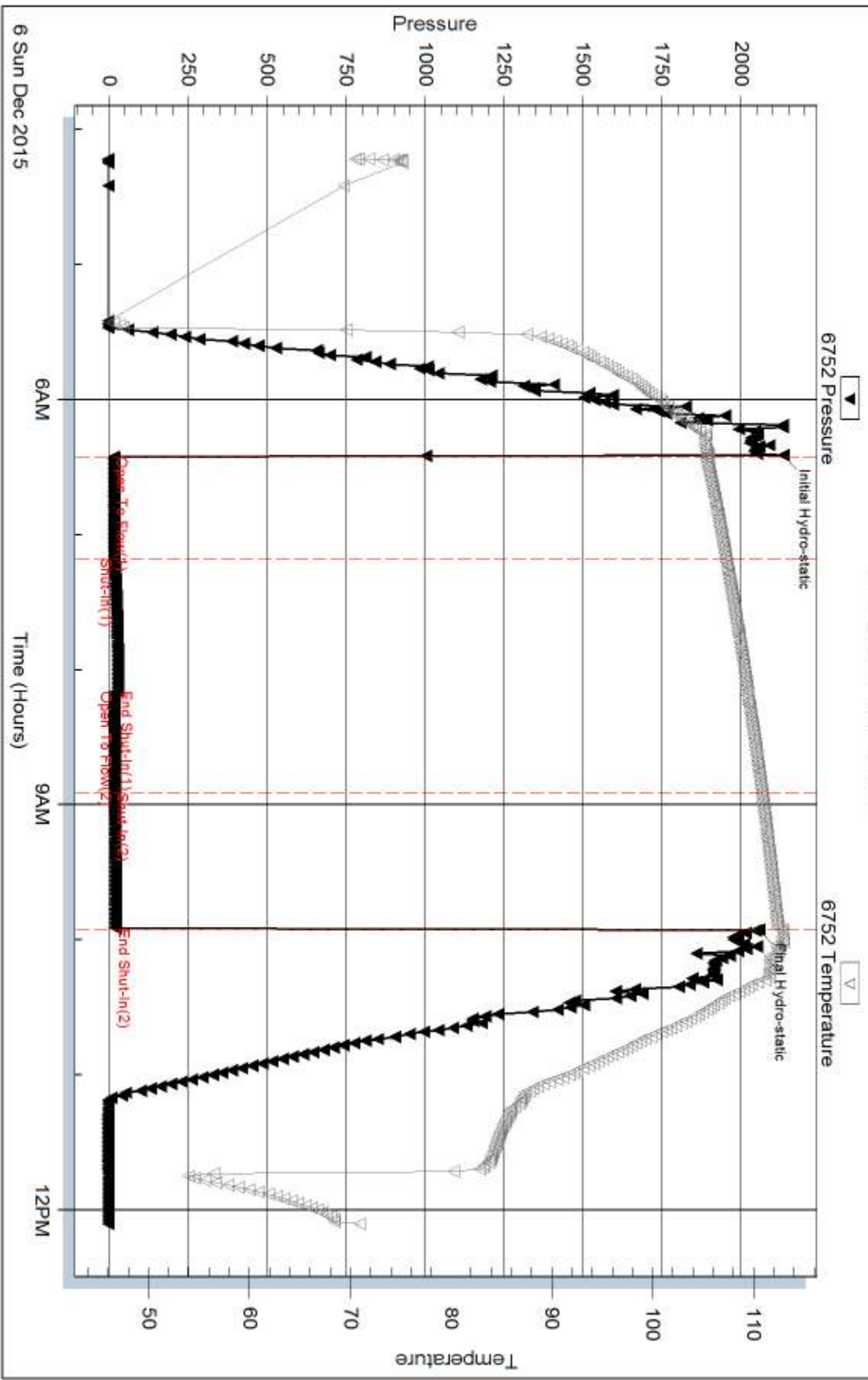
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

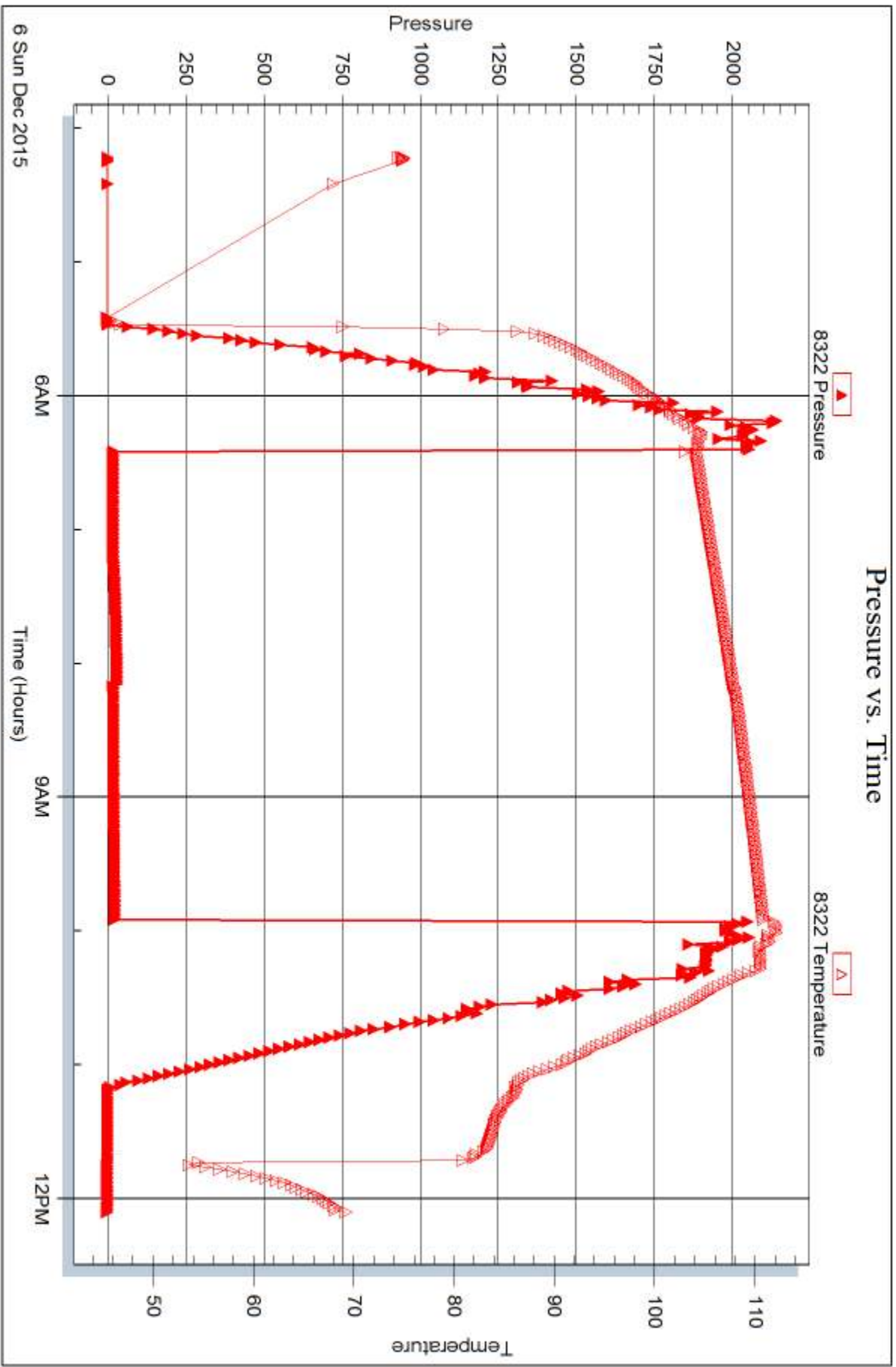


Serial #: 8322

Outside Suenor Expl. & Prod. LLC

Campbell #1

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Suemaaur Expl. & Prod. LLC**

802 N. Carancahua
Corpus Christi TX 78401

ATTN: Bob Peterson

Campbell #1

3-7s-28w Sheridan,KS

Start Date: 2015.12.08 @ 03:30:00

End Date: 2015.12.08 @ 10:43:09

Job Ticket #: 65256 DST #: 4

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

Printed: 2015.12.11 @ 11:01:58

Suemaaur Expl. & Prod. LLC
3-7s-28w Sheridan,KS
Campbell #1
DST # 4
LKC " G "
2015.12.08



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Suemaaur Expl. & Prod. LLC

3-7s-28w Sheridan,KS

802 N. Carancahua
Corpus Christi TX 78401

Campbell #1

Job Ticket: 65256

DST#: 4

ATTN: Bob Peterson

Test Start: 2015.12.08 @ 03:30:00

GENERAL INFORMATION:

Formation: **LKC " G "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:45:20

Time Test Ended: 10:43:09

Test Type: Conventional Straddle (Reset)

Tester: Ryan Nichols

Unit No: 78

Interval: 4015.00 ft (KB) To 4064.00 ft (KB) (TVD)

Reference Elevations: 2772.00 ft (KB)

Total Depth: 4511.00 ft (KB) (TVD)

2767.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6752

Inside

Press@RunDepth: 567.57 psig @ 4016.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.12.08

End Date:

2015.12.08

Last Calib.:

2015.12.08

Start Time: 03:30:01

End Time:

10:43:10

Time On Btm:

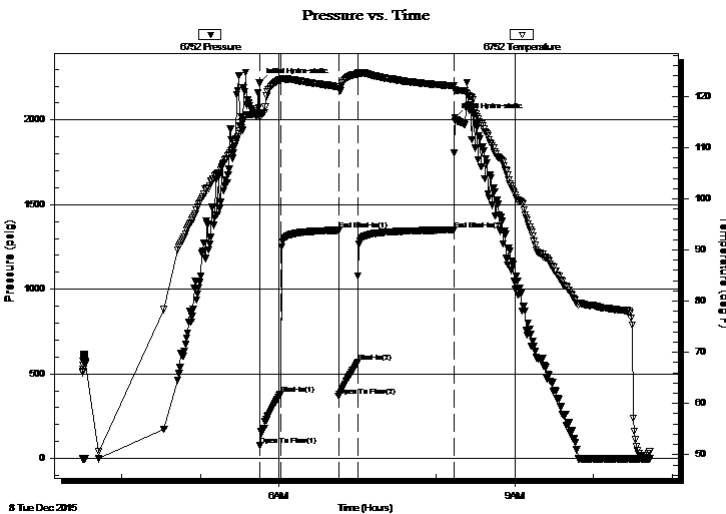
2015.12.08 @ 05:45:00

Time Off Btm:

2015.12.08 @ 08:14:00

TEST COMMENT: 15 IF - 1" blow built to BoB @ 2 1/2 mins
45 ISI - No return
15 FF - Surface blow built to BoB @ 2 1/2 mins
60 FSI - No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2218.31	116.57	Initial Hydro-static
1	74.87	115.77	Open To Flow (1)
16	380.10	123.27	Shut-In(1)
61	1348.47	121.88	End Shut-In(1)
61	368.78	121.51	Open To Flow (2)
75	567.57	124.42	Shut-In(2)
149	1349.93	122.05	End Shut-In(2)
149	2012.63	121.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	MCW - 20%M - 80%W	0.61
1120.00	MCW - 5%M - 95%W	15.15
189.00	MCW - 30%M - 70%W	2.65
267.00	MCW - 40%M - 60%W	3.75

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Suemaaur Expl. & Prod. LLC

3-7s-28w Sheridan,KS

802 N. Carancahua
Corpus Christi TX 78401

Campbell #1

Job Ticket: 65256

DST#: 4

ATTN: Bob Peterson

Test Start: 2015.12.08 @ 03:30:00

Tool Information

Drill Pipe:	Length: 3834.00 ft	Diameter: 3.80 inches	Volume: 53.78 bbl	Tool Weight: 2500.00 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: 186.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 54.69 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4015.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	4064.00 ft			
Interval between Packers:	49.00 ft			
Tool Length:	528.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Change Over Sub	1.00			3988.00	
Shut In Tool	5.00			3993.00	
Hydraulic tool	5.00			3998.00	
Jars	5.00			4003.00	
Safety Joint	3.00			4006.00	
Packer	5.00			4011.00	28.00 Bottom Of Top Packer
Packer	4.00			4015.00	
Packer - Shale	0.00			4015.00	
Stubb	1.00			4016.00	
Recorder	0.00	6752	Inside	4016.00	
Recorder	0.00	8322	Outside	4016.00	
Perforations	9.00			4025.00	
Blank Spacing	33.00			4058.00	
Perforations	1.00			4059.00	
Blank Off Sub	1.00			4060.00	
Blank spacing	4.00			4064.00	49.00 Tool Interval
Packer	4.00			4068.00	
Stubb	1.00			4069.00	
Recorder	0.00	8734	Below	4069.00	
Perforations	2.00			4071.00	
Change Over Sub	1.00			4072.00	
Drill Pipe	443.00			4515.00	451.00 Bottom Packers & Anchor

Total Tool Length: 528.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Suemaaur Expl. & Prod. LLC

3-7s-28w Sheridan,KS

802 N. Carancahua
Corpus Christi TX 78401

Campbell #1

Job Ticket: 65256

DST#: 4

ATTN: Bob Peterson

Test Start: 2015.12.08 @ 03:30:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 55.00 sec/qt
Water Loss: 6.79 in³
Resistivity: ohm.m
Salinity: 2100.00 ppm
Filter Cake: 2.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: 15000 ppm

Recovery Information

Recovery Table

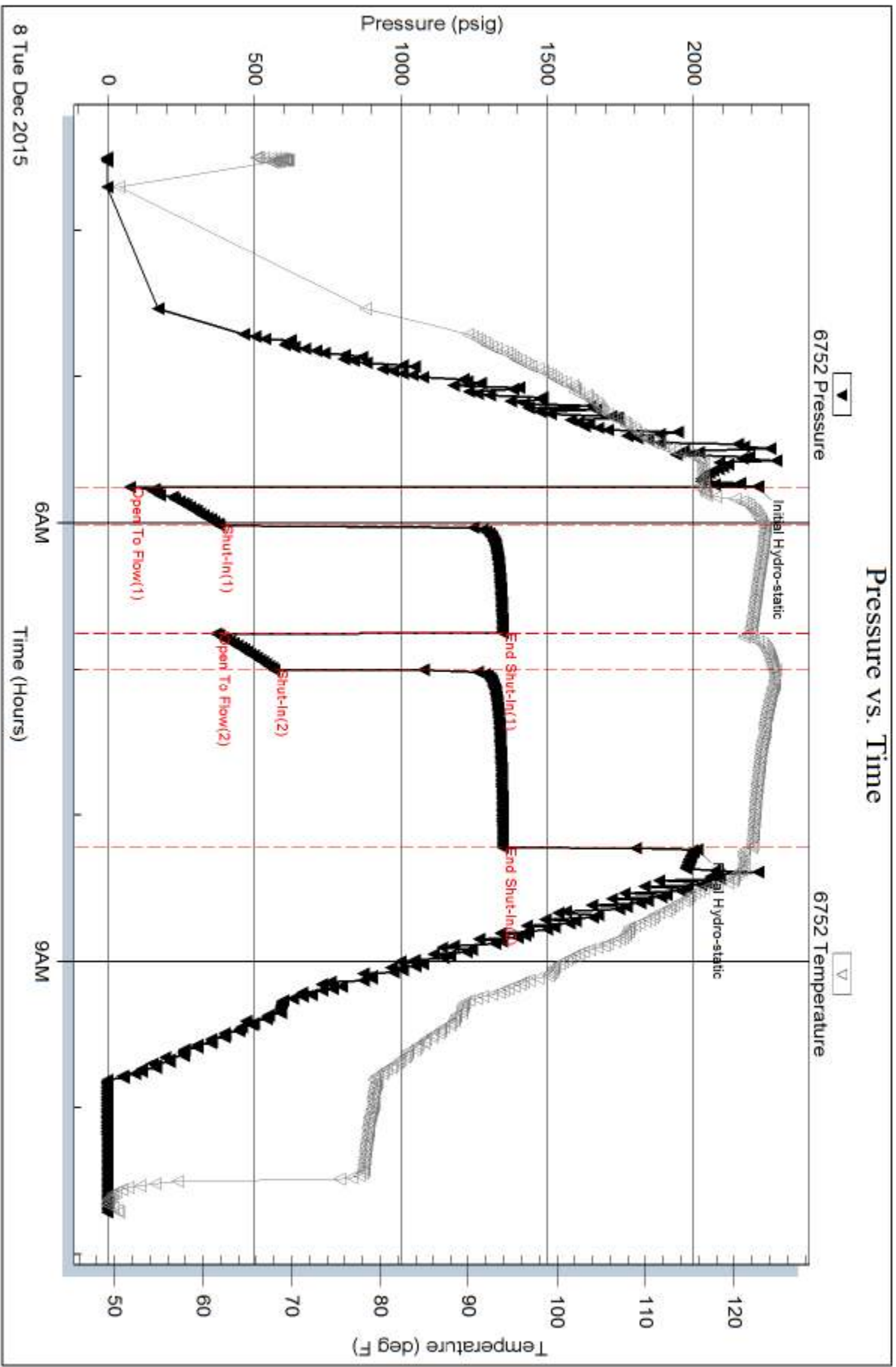
Length ft	Description	Volume bbl
124.00	MCW - 20%M - 80%W	0.610
1120.00	MCW - 5%M - 95%W	15.146
189.00	MCW - 30%M - 70%W	2.651
267.00	MCW - 40%M - 60%W	3.745

Total Length: 1700.00 ft Total Volume: 22.152 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: RW = .622 @ 50 DEG F

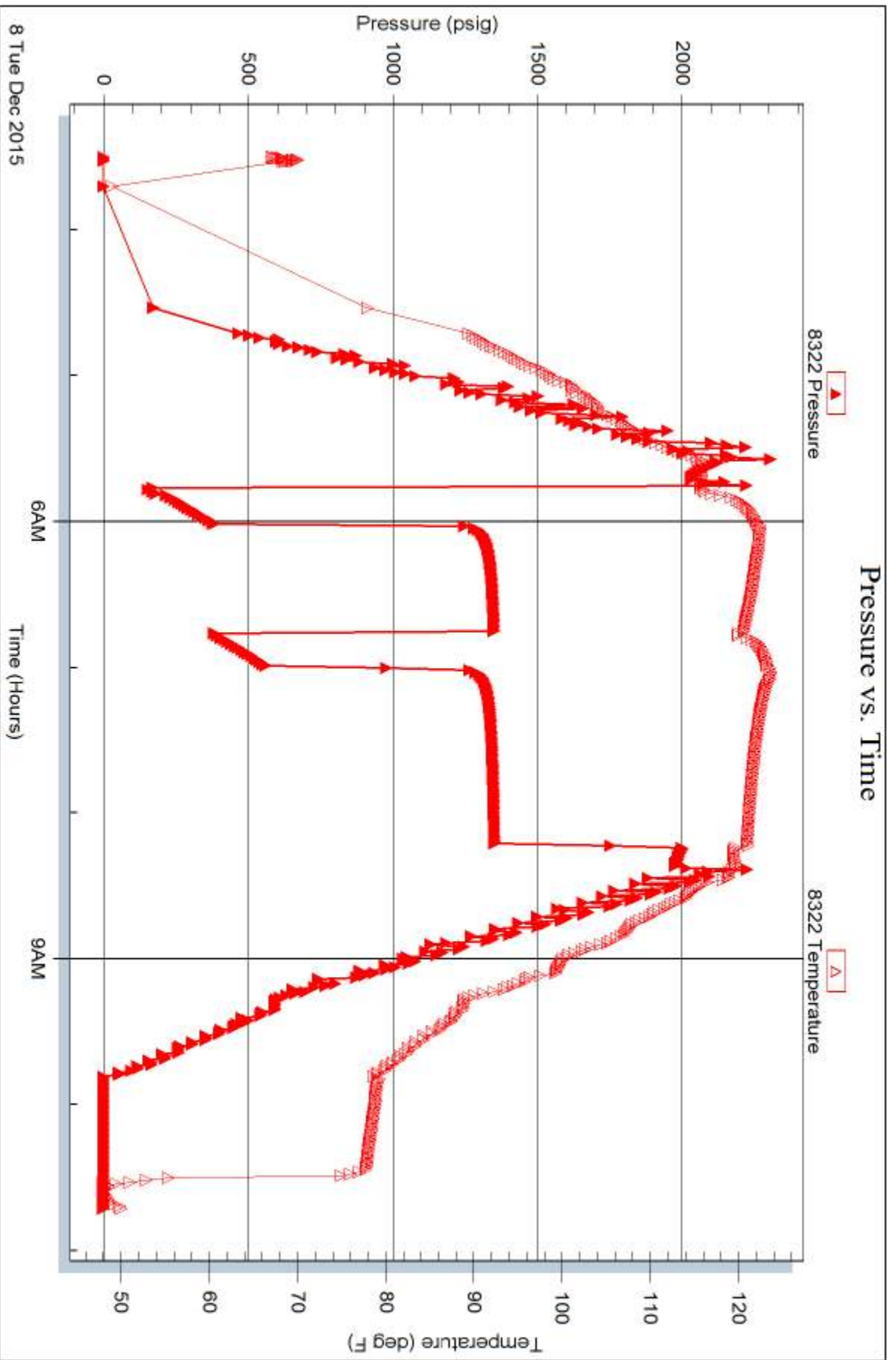


Serial #: 8322

Outside Suemaur Expl. & Prod. LLC

Campbell #1

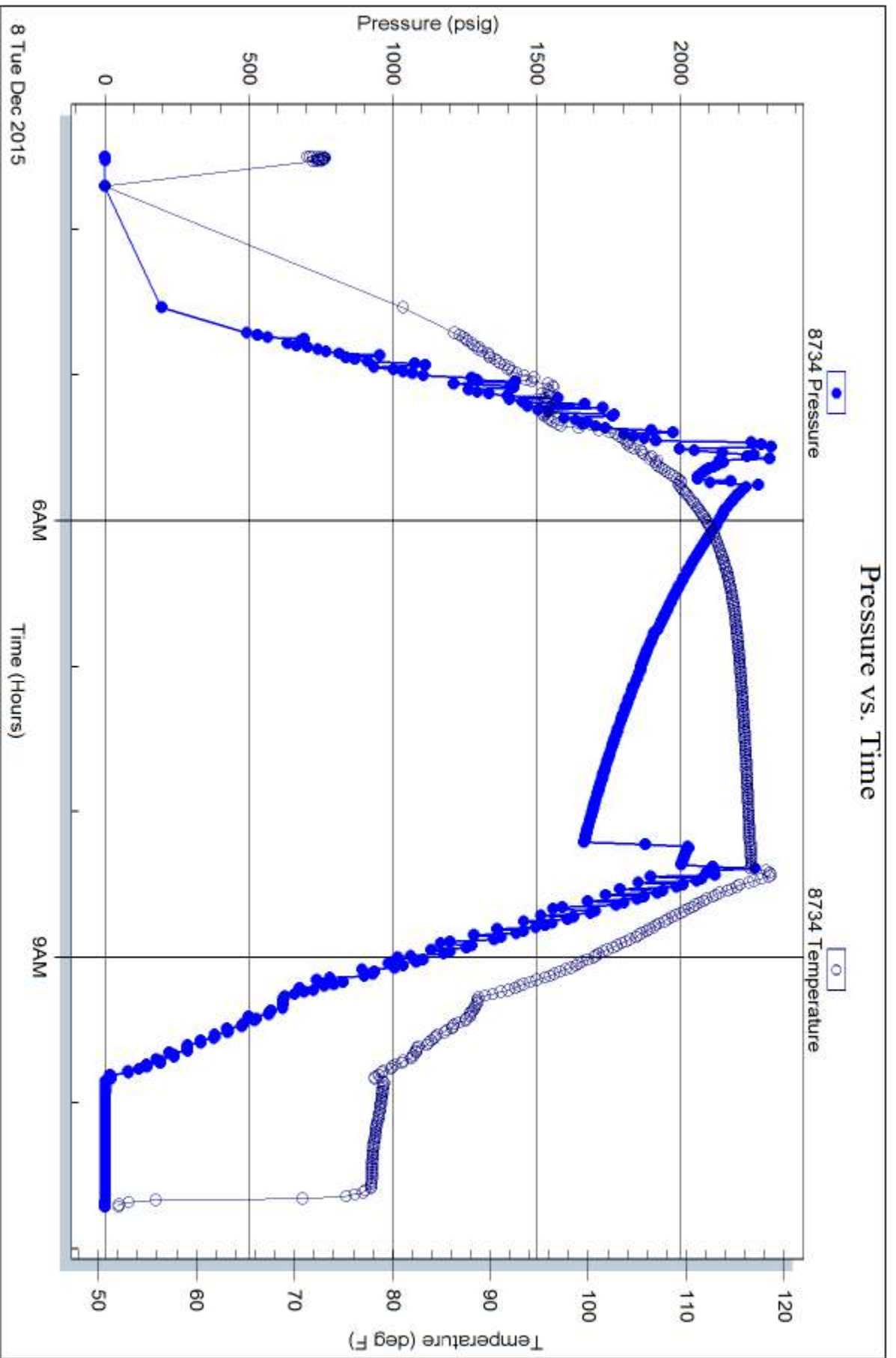
DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 65256

Printed: 2015.12.11 @ 11:02:00





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **65253**

Well Name & No. Campbell #1 Test No. 1 Date 12/4/15
 Company Suemar Exp. & Production LLC Elevation 2772 KB 2765 GL
 Address 802 N. Carancahua Corpus Christi Tx 78401
 Co. Rep / Geo. Bob Peterson Rig Martin #7
 Location: Sec. 3 Twp. 7S Rge. 28W Co. Shelby State KS

Interval Tested 3955 - 3980 Zone Tested LKC "c"
 Anchor Length 25' Drill Pipe Run 3772' Mud Wt. 9.2
 Top Packer Depth 3950 Drill Collars Run 186 Vis 58
 Bottom Packer Depth 3955 Wt. Pipe Run 0' WL 5.6
 Total Depth 3980 Chlorides 1000 ppm System LCM 2
 Blow Description IF - Surface blow built to BoB @ 24 min
ISI - No return
FF - Surface blow started @ 1 min built to BoB @ 27 mins
FSI - No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>70'</u>	<u>MCW w/oil obs</u>		<u>80</u>	<u>20</u>	
<u>313'</u>	<u>MCW</u>		<u>95</u>	<u>5</u>	
<u>62'</u>	<u>MCW</u>		<u>75</u>	<u>25</u>	

Rec Total 445' BHT 121° Gravity — API RW 672 @ 54 °F Chlorides 13000 ppm

(A) Initial Hydrostatic <u>2111</u>	<input checked="" type="checkbox"/> Test <u>1050</u>	T-On Location <u>06:15</u>
(B) First Initial Flow <u>19</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>07:00</u>
(C) First Final Flow <u>122</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>09:25</u>
(D) Initial Shut-In <u>1315</u>	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>13:25</u>
(E) Second Initial Flow <u>125 125</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>15:52</u>
(F) Second Final Flow <u>222</u>	<input checked="" type="checkbox"/> Mileage <u>62 RT 62</u>	Comments
(G) Final Shut-In <u>1302</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2046</u>	<input type="checkbox"/> Straddle	
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Initial Open <u>30</u>	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
Initial Shut-In <u>60</u>	<input type="checkbox"/> Accessibility	Total <u>1437</u>
Final Flow <u>60</u>		MP/DST Disc't
Final Shut-In <u>90</u>		

Sub Total 1437

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.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **65254**

Well Name & No. Campbell #1 Test No. 2 Date 12/5/15
 Company Suemar Exploration & Production LLC Elevation 2772 KB 2765 GL
 Address 802 N. Carancahua Corpus Christi Tx 78401
 Co. Rep / Geo. Bob Peterson Rig Martin #7
 Location: Sec. 3 Twp. 7S Rge. 28W Co. Sheridan State KS

Interval Tested 4074 - 4110 Zone Tested LKC ~~003~~ 5"
 Anchor Length 36' Drill Pipe Run 3867' Mud Wt. 9.0
 Top Packer Depth 4069 Drill Collars Run 186' Vis 68
 Bottom Packer Depth 4074 Wt. Pipe Run 0' WL 6.0
 Total Depth 4110 Chlorides 1400 ppm System LCM 4

Blow Description IF - Surface blow built to 1"
ISI - No return
FF - No blow
FBI - No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>4'</u>	<u>Mud</u>				<u>100%</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 4' BHT 115° Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2147</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>09:45</u>
(B) First Initial Flow <u>16</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>10:12</u>
(C) First Final Flow <u>24</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>12:16</u>
(D) Initial Shut-In <u>30</u>	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>15:46</u>
(E) Second Initial Flow <u>26</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>17:58</u>
(F) Second Final Flow <u>24</u>	<input checked="" type="checkbox"/> Mileage <u>62 RT 62</u>	Comments _____
(G) Final Shut-In <u>28</u>	<input type="checkbox"/> Sampler _____	_____
(H) Final Hydrostatic <u>2066</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____

Initial Open 45 Shale Packer _____
 Initial Shut-In 60 Ruined Packer _____
 Final Flow 45 Extra Packer _____
 Final Shut-In 60 Extra Recorder _____
 Sub Total 0
 Total 1537
 MP/DST Disc't _____
 Sub Total 1537

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **65255**

Well Name & No. Campbell #1 Test No. 3 Date 12/6/15
 Company Suomal Exploration & Production LLC Elevation 2772 KB 2785 GL
 Address 902 N. Carancahua Corpus Christi TX 78401
 Co. Rep / Geo. Bob Peterson Rig Murfin #7
 Location: Sec. 3 Twp. 7S Rge. 28W Co. Sheridan State KS

Interval Tested 4110 - 4152 Zone Tested LKC "K-L"
 Anchor Length 42' Drill Pipe Run 3928' Mud Wt. 9.2
 Top Packer Depth 4105 Drill Collars Run 186' Vis 54
 Bottom Packer Depth 4110 Wt. Pipe Run 0' WL 6.0
 Total Depth 4152 Chlorides 1400 ppm System LCM 4
 Blow Description IF - Surface blow built to 1/2" died back to 1/4"
ISI - No return
FF - No blow
FSI - No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>2'</u>	<u>Mud w/oil spots</u>			<u>100%</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 2' BHT 112° Gravity — API RW — @ — ° F Chlorides — ppm

(A) Initial Hydrostatic <u>2133</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>03:50</u>
(B) First Initial Flow <u>15</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>04:13</u>
(C) First Final Flow <u>17</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>06:25</u>
(D) Initial Shut-In <u>29</u>	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>09:55</u>
(E) Second Initial Flow <u>17</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>12:06</u>
(F) Second Final Flow <u>18</u>	<input checked="" type="checkbox"/> Mileage <u>62 RT 62</u>	Comments
(G) Final Shut-In <u>21</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2057</u>	<input type="checkbox"/> Straddle	
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Initial Open <u>45</u>	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
Initial Shut-In <u>60</u>	<input type="checkbox"/> Accessibility	Total <u>1537</u>
Final Flow <u>45</u>		MP/DST Disc't
Final Shut-In <u>60</u>		

Sub Total 1537

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **65256**

Well Name & No. Campbell #1 Test No. 4 Date 12/7/15
 Company Suemar Exploration & Production LLC Elevation 2772 KB 2765 GL
 Address 802 N. Zaranochua Corpus Christi Tx 78401
 Co. Rep / Geo. Bob Peterson Rig Martin #7
 Location: Sec. 3 Twp. 7S Rge. 28W Co. Sheridan State KS

Interval Tested 4015-4064 Zone Tested LKC "G"
 Anchor Length 49' Drill Pipe Run 3834' Mud Wt. 9.4
 Top Packer Depth 4010 4015 Drill Collars Run 186' Vis 55
 Bottom Packer Depth 4064 Wt. Pipe Run 0' WL 6.8
 Total Depth 4511 Chlorides 2100 ppm System LCM 4

Blow Description IF - 1" blow built to Bob @ 2 1/2 mins
ISI - No return
FF - Surface blow built to Bob @ 2 1/2 mins
FSI - No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>267</u>	<u>MCW</u>		<u>60</u>	<u>40</u>	
<u>189</u>	<u>MCW</u>		<u>70</u>	<u>30</u>	
<u>1120</u>	<u>MCW</u>		<u>95</u>	<u>5</u>	
<u>124</u>	<u>MCW</u>		<u>80</u>	<u>20</u>	
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 1700 BHT 122° Gravity — API RW .622 @ 50° F Chlorides 15,000 ppm

(A) Initial Hydrostatic <u>2218</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>023:00</u>
(B) First Initial Flow <u>75</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>03:30</u>
(C) First Final Flow <u>380</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>05:45</u>
(D) Initial Shut-In <u>1348</u>	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>08:00</u>
(E) Second Initial Flow <u>369</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>10:43</u>
(F) Second Final Flow <u>568</u>	<input checked="" type="checkbox"/> Mileage <u>62 RT 62</u>	Comments <u>waited on orders till 13:30</u>
(G) Final Shut-In <u>1350</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2013</u>	<input checked="" type="checkbox"/> Straddle <u>600</u>	<input type="checkbox"/> Ruined Shale Packer
	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Packer
Initial Open <u>15</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Flow <u>15</u>	<input checked="" type="checkbox"/> Day Standby	Total <u>2387</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>2387</u>	

Approved By _____ Our Representative _____

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