



## DRILL STEM TEST REPORT

Prepared For: **Brinker Enterprises LLC**

216 S. Marshall St.  
Glen Elder KS 67446

ATTN: Richard Bell

**ChesneyHitschman16-1**

**16-10s-15w Osborne KS**

Start Date: 2012.05.16 @ 07:31:00

End Date: 2012.05.16 @ 11:47:45

Job Ticket #: 47179                      DST #: 1

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

Printed: 2012.05.25 @ 08:53:51

Brinker Enterprises LLC

16-10s-15w Osborne KS

ChesneyHitschman16-1

DST # 1

Topeka

2012.05.16



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Brinker Enterprises LLC

**16-10s-15w Osborne KS**

216 S. Marshall St.  
Glen Elder KS 67446

**ChesneyHitschman16-1**

ATTN: Richard Bell

Job Ticket: 47179

**DST#: 1**

Test Start: 2012.05.16 @ 07:31:00

## GENERAL INFORMATION:

Formation: **Topeka**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:43:45

Time Test Ended: 11:47:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Cody Bloedorn

Unit No: 54

**Interval: 2797.00 ft (KB) To 2815.00 ft (KB) (TVD)**

Reference Elevations: 1841.00 ft (KB)

Total Depth: 2815.00 ft (KB) (TVD)

1837.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 4.00 ft

**Serial #: 8366 Inside**

Press @ Run Depth: 14.88 psig @ 2798.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.05.16

End Date:

2012.05.16

Last Calib.:

2012.05.16

Start Time: 07:31:02

End Time:

11:47:45

Time On Btm:

2012.05.16 @ 08:43:30

Time Off Btm:

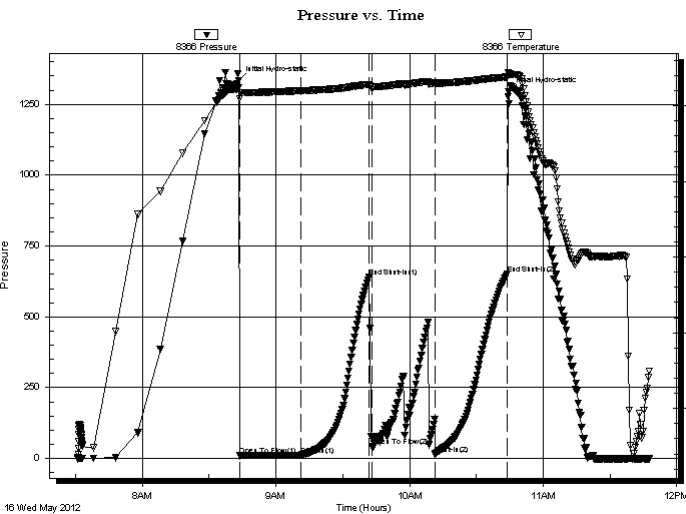
2012.05.16 @ 10:44:30

**TEST COMMENT:** 30 - IF-1/8" blow , died in 16 min.

30 - IS- No blow back

30 - FF- No blow back

30 - FS- No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1334.17	91.21	Initial Hydro-static
1	9.74	90.46	Open To Flow (1)
28	12.28	90.99	Shut-In(1)
59	640.82	91.42	End Shut-In(1)
60	42.63	91.23	Open To Flow (2)
88	14.88	91.43	Shut-In(2)
121	650.85	91.90	End Shut-In(2)
121	1296.29	92.13	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud, 100%M, Oil scum	0.02

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Brinker Enterprises LLC

**16-10s-15w Osborne KS**

216 S. Marshall St.  
Glen Elder KS 67446

**ChesneyHitschman16-1**

Job Ticket: 47179

**DST#: 1**

ATTN: Richard Bell

Test Start: 2012.05.16 @ 07:31:00

## Tool Information

Drill Pipe:	Length: 2680.00 ft	Diameter: 3.80 inches	Volume: 37.59 bbl	Tool Weight: 2000.00 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 34000.00 lb
			<u>Total Volume: 38.20 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 30000.00 lb
Depth to Top Packer:	2797.00 ft			Final 30000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	18.00 ft			
Tool Length:	39.00 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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Change Over Sub	1.00			2777.00	
Shut In Tool	5.00			2782.00	
Hydraulic tool	5.00			2787.00	
Packer	5.00			2792.00	21.00 Bottom Of Top Packer
Packer	5.00			2797.00	
Stubb	1.00			2798.00	
Recorder	0.00	8366	Inside	2798.00	
Recorder	0.00	8289	Outside	2798.00	
Perforations	14.00			2812.00	
Bullnose	3.00			2815.00	18.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>39.00</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Brinker Enterprises LLC

**16-10s-15w Osborne KS**

216 S. Marshall St.  
Glen Elder KS 67446

**ChesneyHitschman16-1**

Job Ticket: 47179

**DST#: 1**

ATTN: Richard Bell

Test Start: 2012.05.16 @ 07:31:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 30.00 sec/qt

Cushion Volume:

bbbl

Water Loss: in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 60000.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud, 100%M, Oil scum	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbl

Num Fluid Samples: 0

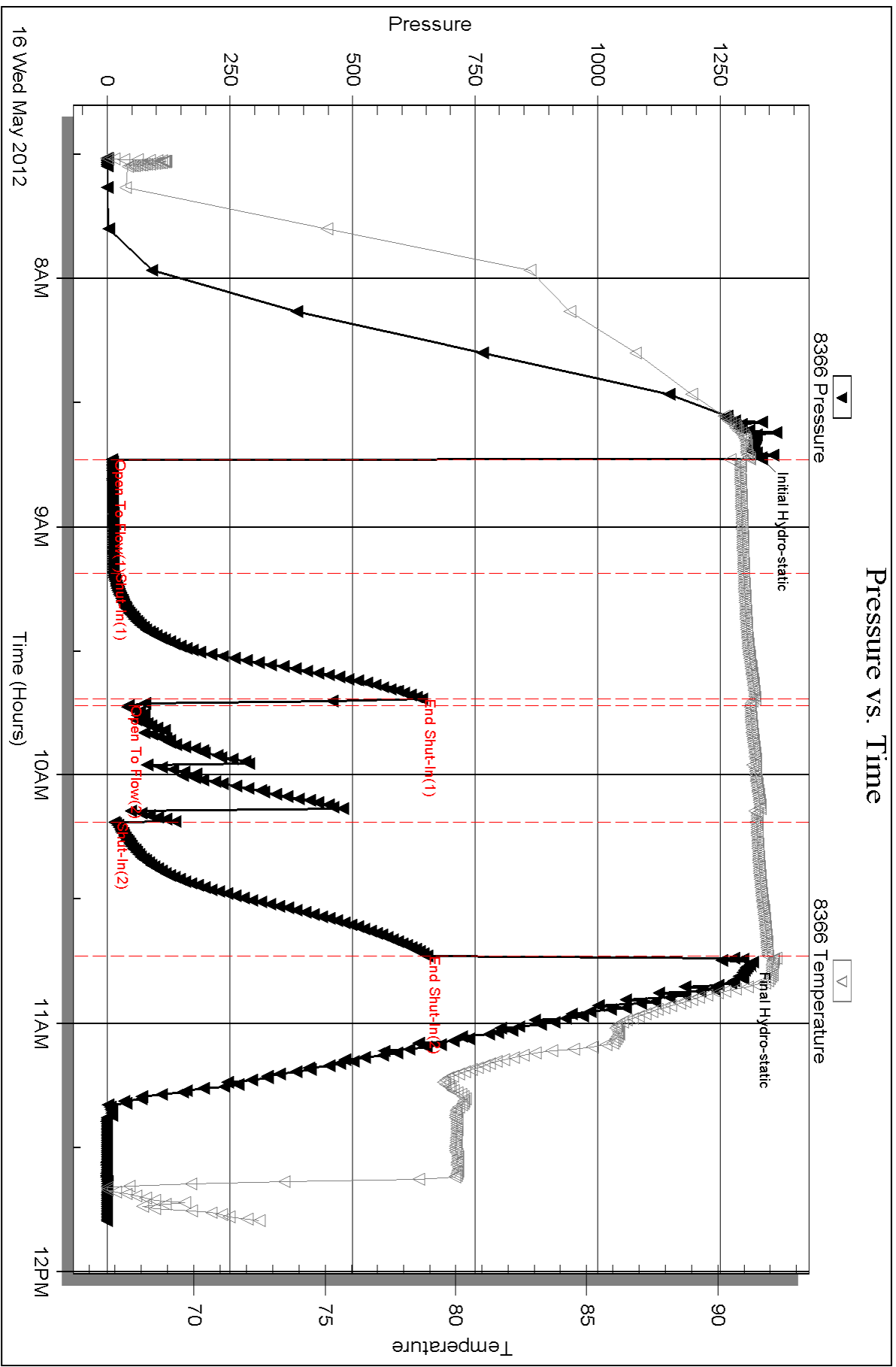
Num Gas Bombs: 0

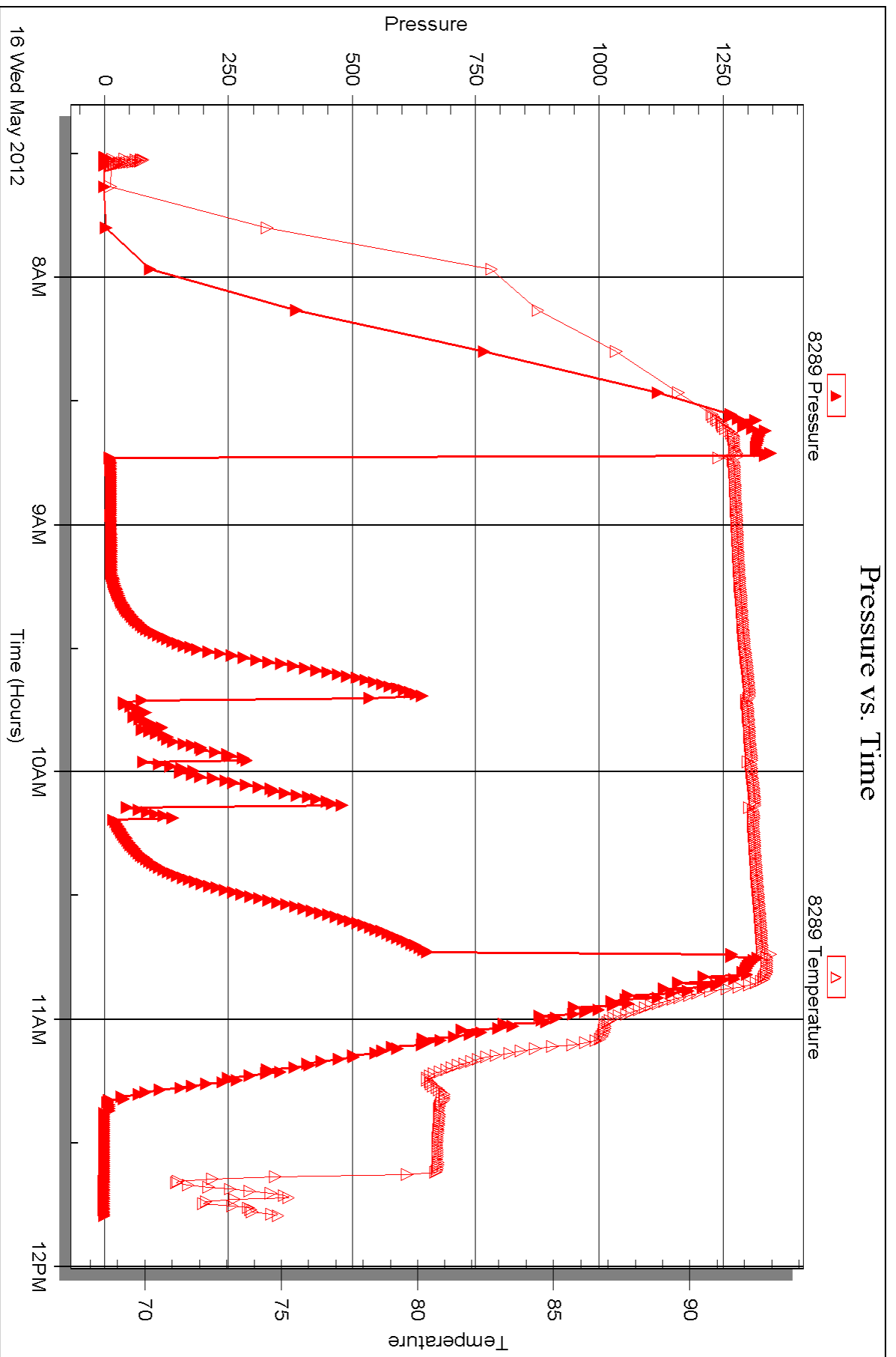
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







## DRILL STEM TEST REPORT

Prepared For: **Brinker Enterprises LLC**

216 S. Marshall St.  
Glen Elder KS 67446

ATTN: Richard Bell

**ChesneyHitschman16-1**

**16-10s-15w Osborne KS**

Start Date: 2012.05.17 @ 00:41:00

End Date: 2012.05.17 @ 04:46:45

Job Ticket #: 47180                      DST #: 2

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

Printed: 2012.05.25 @ 08:53:14

Brinker Enterprises LLC

16-10s-15w Osborne KS

ChesneyHitschman16-1

DST # 2

Toronto

2012.05.17





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Brinker Enterprises LLC

**16-10s-15w Osborne KS**

216 S. Marshall St.  
Glen Elder KS 67446

**ChesneyHitschman16-1**

ATTN: Richard Bell

Job Ticket: 47180

**DST#: 2**

Test Start: 2012.05.17 @ 00:41:00

## GENERAL INFORMATION:

Formation: **Toronto**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:44:30

Time Test Ended: 04:46:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Cody Bloedorn

Unit No: 54

**Interval: 3013.00 ft (KB) To 3048.00 ft (KB) (TVD)**

Reference Elevations: 1841.00 ft (KB)

Total Depth: 3048.00 ft (KB) (TVD)

1837.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 4.00 ft

**Serial #: 8366**

**Inside**

Press @ Run Depth: 23.75 psig @ 3014.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.05.17

End Date: 2012.05.17

Last Calib.: 2012.05.17

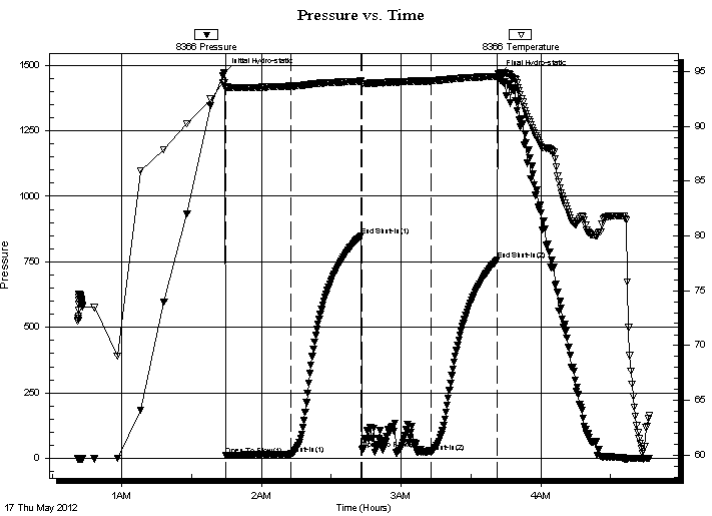
Start Time: 00:41:02

End Time: 04:46:45

Time On Btm: 2012.05.17 @ 01:44:15

Time Off Btm: 2012.05.17 @ 03:42:00

**TEST COMMENT:** 30 - IF- 1/4" blow  
30 - IS- No blow back  
30 - FF- No blow back  
30 - FS- No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1472.45	94.02	Initial Hydro-static
1	11.49	93.39	Open To Flow (1)
29	17.63	93.66	Shut-In(1)
59	850.26	94.11	End Shut-In(1)
59	34.35	93.80	Open To Flow (2)
89	23.75	94.13	Shut-In(2)
117	758.21	94.56	End Shut-In(2)
118	1462.74	94.82	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud - Oil Scum, 100%Mud	0.07

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Brinker Enterprises LLC

**16-10s-15w Osborne KS**

216 S. Marshall St.  
Glen Elder KS 67446

**ChesneyHitschman16-1**

Job Ticket: 47180

**DST#: 2**

ATTN: Richard Bell

Test Start: 2012.05.17 @ 00:41:00

## Tool Information

Drill Pipe:	Length: 2897.00 ft	Diameter: 3.80 inches	Volume: 40.64 bbl	Tool Weight: 2000.00 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 34000.00 lb
			<u>Total Volume: 41.25 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 30000.00 lb
Depth to Top Packer:	3013.00 ft			Final 30000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.00 ft			
Tool Length:	56.00 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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Change Over Sub	1.00			2993.00	
Shut In Tool	5.00			2998.00	
Hydraulic tool	5.00			3003.00	
Packer	5.00			3008.00	21.00 Bottom Of Top Packer
Packer	5.00			3013.00	
Stubb	1.00			3014.00	
Recorder	0.00	8366	Inside	3014.00	
Recorder	0.00	8289	Outside	3014.00	
Perforations	31.00			3045.00	
Bullnose	3.00			3048.00	35.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>56.00</b>				



**TRILOBITE  
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# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Brinker Enterprises LLC

**16-10s-15w Osborne KS**

216 S. Marshall St.  
Glen Elder KS 67446

**ChesneyHitschman16-1**

Job Ticket: 47180

**DST#: 2**

ATTN: Richard Bell

Test Start: 2012.05.17 @ 00:41:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 30.00 sec/qt

Cushion Volume:

bbbl

Water Loss: in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 60000.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Mud - Oil Scum, 100%Mud	0.074

Total Length: 15.00 ft      Total Volume: 0.074 bbl

Num Fluid Samples: 0

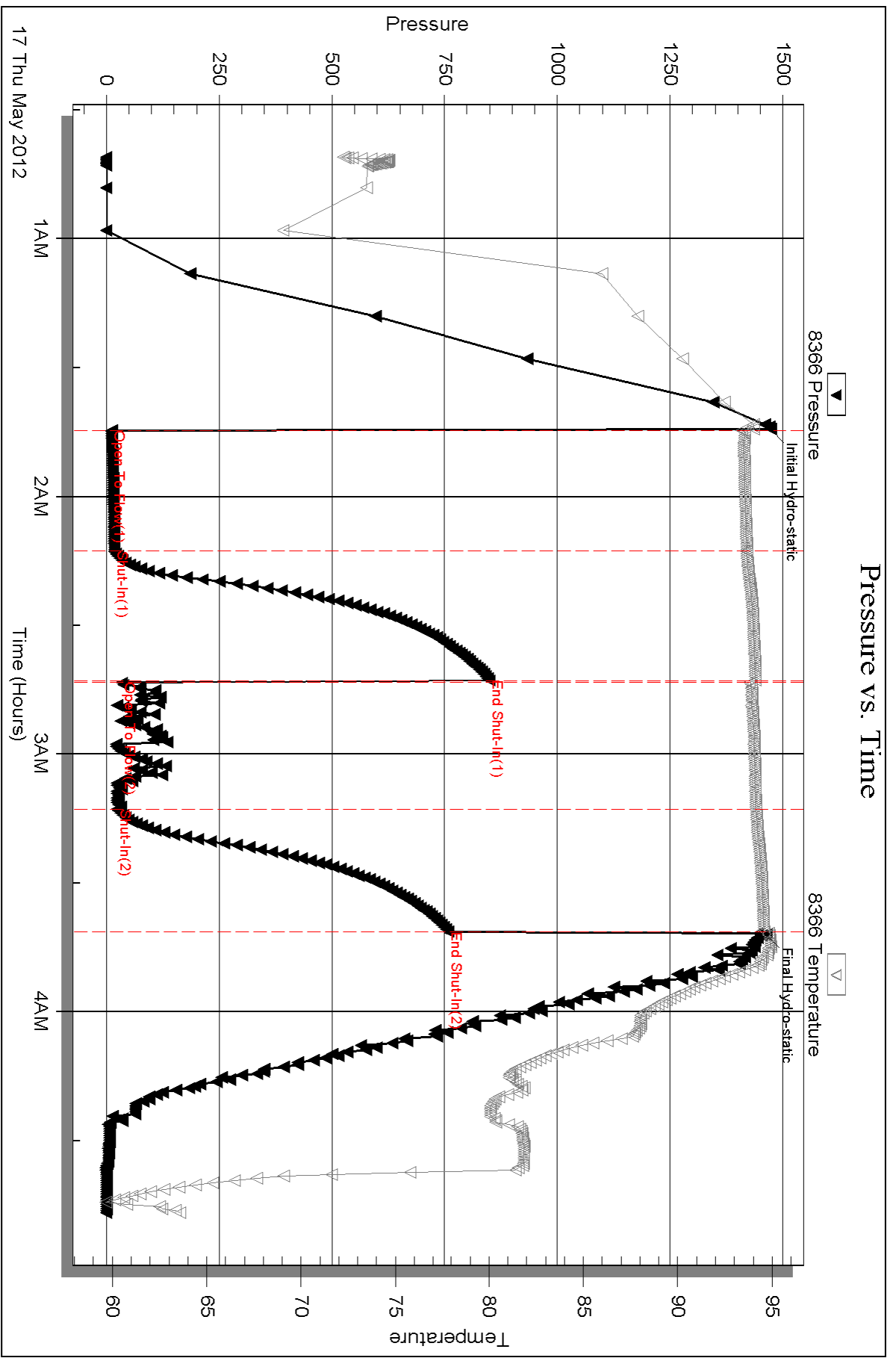
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

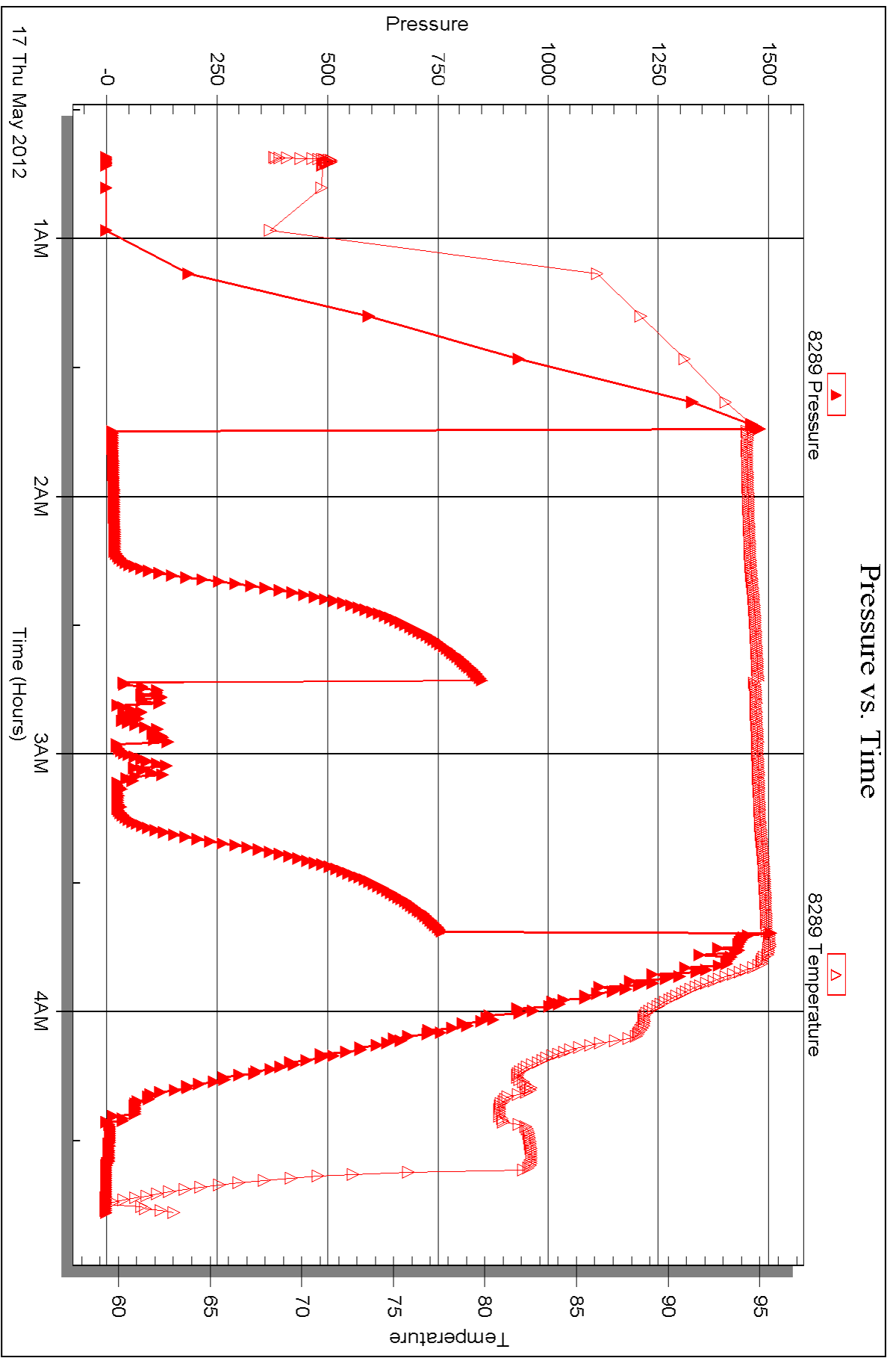


Serial #: 8289

Outside Brinker Enterprises LLC

Chesney/Hitschman 16-1

DST Test Number: 2





## DRILL STEM TEST REPORT

Prepared For: **Brinker Enterprises LLC**

216 S. Marshall St.  
Glen Elder KS 67446

ATTN: Richard Bell

**ChesneyHitschman16-1**

**16-10s-15w Osborne KS**

Start Date: 2012.05.17 @ 23:45:13

End Date: 2012.05.18 @ 04:34:28

Job Ticket #: 47291                      DST #: 3

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

Printed: 2012.05.25 @ 08:52:38



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Brinker Enterprises LLC

**16-10s-15w Osborne KS**

216 S. Marshall St.  
Glen Elder KS 67446

**ChesneyHitschman16-1**

ATTN: Richard Bell

Job Ticket: 47291

**DST#: 3**

Test Start: 2012.05.17 @ 23:45:13

## GENERAL INFORMATION:

Formation: **H-L**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 01:03:28  
 Tester: Jason McLemore  
 Time Test Ended: 04:34:28  
 Unit No: 54  
 Interval: **3190.00 ft (KB) To 3326.00 ft (KB) (TVD)**  
 Reference Elevations: 1841.00 ft (KB)  
 Total Depth: 2815.00 ft (KB) (TVD)  
 1837.00 ft (CF)  
 Hole Diameter: 7.88 inches  
 Hole Condition: Fair  
 KB to GR/CF: 4.00 ft

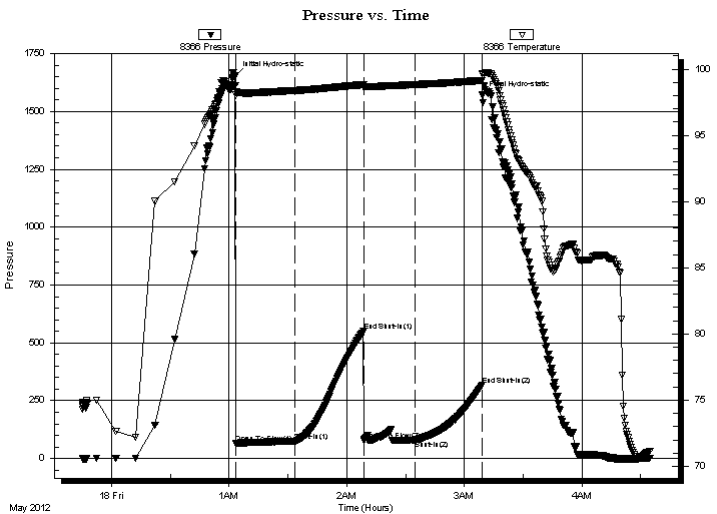
## Serial #: 8366

Inside

Press @ Run Depth: 78.78 psig @ 3289.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2012.05.17 End Date: 2012.05.18 Last Calib.: 2012.05.18  
 Start Time: 23:45:15 End Time: 04:34:28 Time On Btm: 2012.05.18 @ 01:03:13  
 Time Off Btm: 2012.05.18 @ 03:09:13

TEST COMMENT: IFP-Weak Surface Blow, Dead in 5 min.  
 ISI-Dead  
 FFP-Dead  
 FSI-Dead

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1654.24	98.74	Initial Hydro-static
1	64.05	98.04	Open To Flow (1)
31	73.44	98.38	Shut-In(1)
66	549.64	98.83	End Shut-In(1)
66	78.17	98.56	Open To Flow (2)
92	78.78	98.83	Shut-In(2)
126	316.86	99.15	End Shut-In(2)
126	1570.39	99.69	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	V SOCM-2%O-98%M	0.05

\* Recovery from multiple tests

## Gas Rates

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







**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Brinker Enterprises LLC

**16-10s-15w Osborne KS**

216 S. Marshall St.  
Glen Elder KS 67446

**ChesneyHitschman16-1**

Job Ticket: 47291

**DST#: 3**

ATTN: Richard Bell

Test Start: 2012.05.17 @ 23:45:13

## Tool Information

Drill Pipe:	Length: 3050.00 ft	Diameter: 3.80 inches	Volume: 42.78 bbl	Tool Weight: 2000.00 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 35000.00 lb
			Total Volume: 43.39 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 32000.00 lb
Depth to Top Packer:	3190.00 ft			Final 32000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	136.00 ft			
Tool Length:	157.00 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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Change Over Sub	1.00			3170.00	
Shut In Tool	5.00			3175.00	
Hydraulic tool	5.00			3180.00	
Packer	5.00			3185.00	21.00 Bottom Of Top Packer
Packer	5.00			3190.00	
Stubb	1.00			3191.00	
Perforations	4.00			3195.00	
Blank Spacing	94.00			3289.00	
Recorder	0.00	8366	Inside	3289.00	
Recorder	0.00	8289	Outside	3289.00	
Perforations	34.00			3323.00	
Bullnose	3.00			3326.00	136.00 Bottom Packers & Anchor

**Total Tool Length: 157.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Brinker Enterprises LLC

**16-10s-15w Osborne KS**

216 S. Marshall St.  
Glen Elder KS 67446

**ChesneyHitschman16-1**

Job Ticket: 47291

**DST#: 3**

ATTN: Richard Bell

Test Start: 2012.05.17 @ 23:45:13

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 30.00 sec/qt

Cushion Volume:

bbbl

Water Loss: in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 60000.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	VSOCM-2%O-98%M	0.049

Total Length: 10.00 ft      Total Volume: 0.049 bbl

Num Fluid Samples: 0

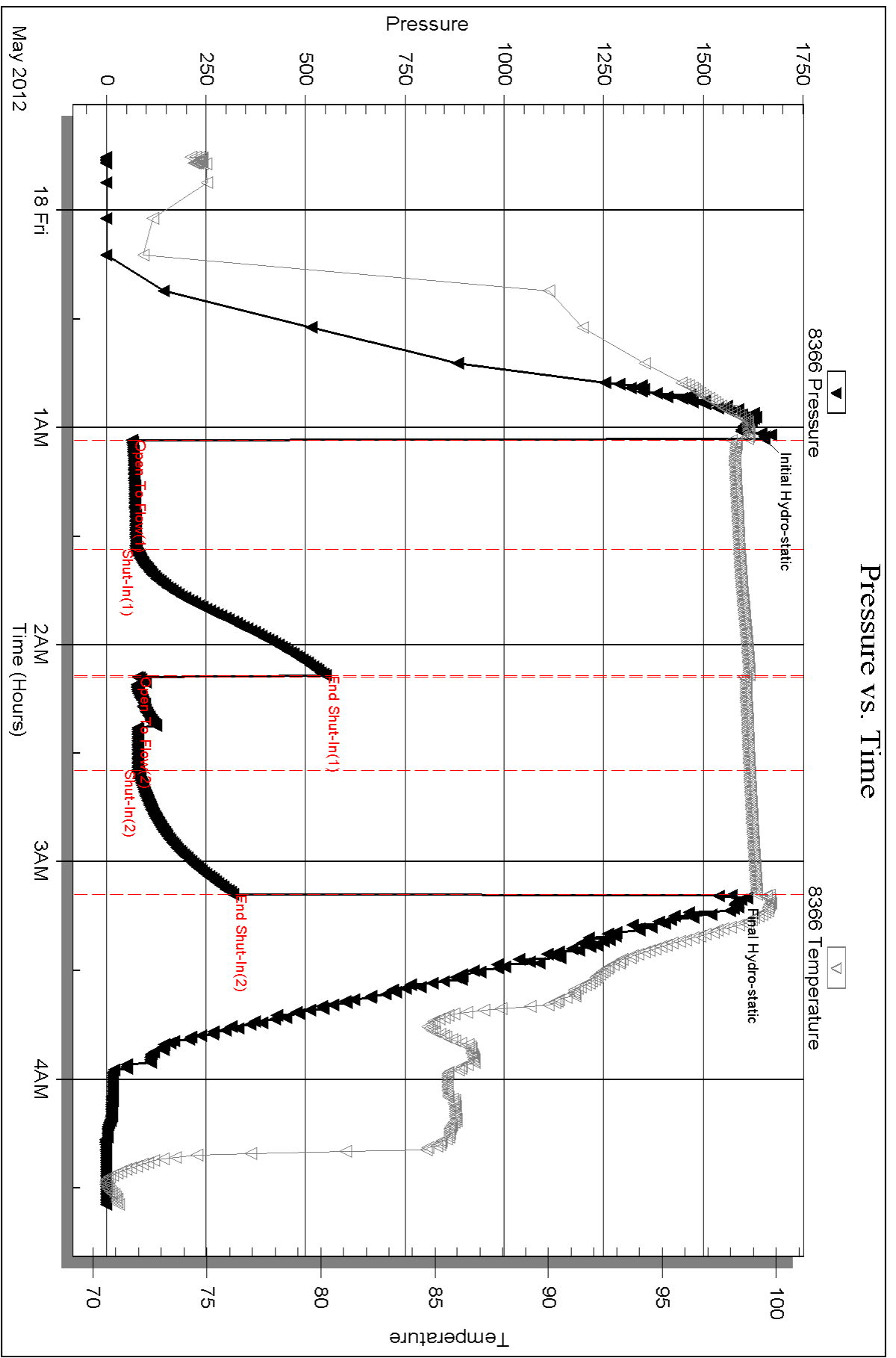
Num Gas Bombs: 0

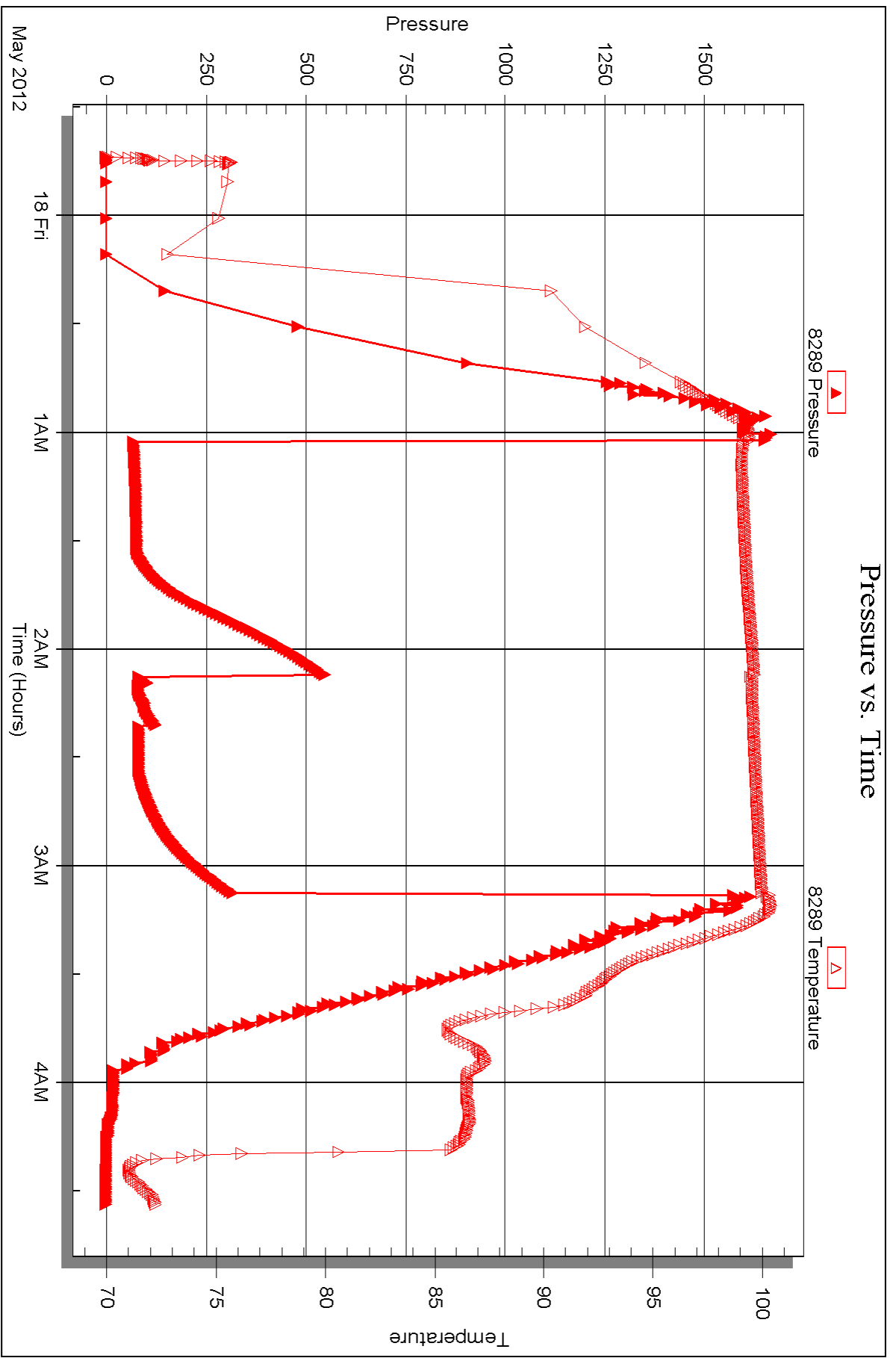
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







## DRILL STEM TEST REPORT

Prepared For: **Brinker Enterprises LLC**

216 S. Marshall St.  
Glen Elder KS 67446

ATTN: Richard Bell

**ChesneyHitschman16-1**

**16-10s-15w Osborne KS**

Start Date: 2012.05.18 @ 13:54:49

End Date: 2012.05.18 @ 21:02:34

Job Ticket #: 47292                      DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.05.25 @ 08:51:54



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Brinker Enterprises LLC  
 216 S. Marshall St.  
 Glen Elder KS 67446  
 ATTN: Richard Bell

**16-10s-15w Osborne KS**  
**ChesneyHitschman16-1**  
 Job Ticket: 47292 **DST#: 4**  
 Test Start: 2012.05.18 @ 13:54:49

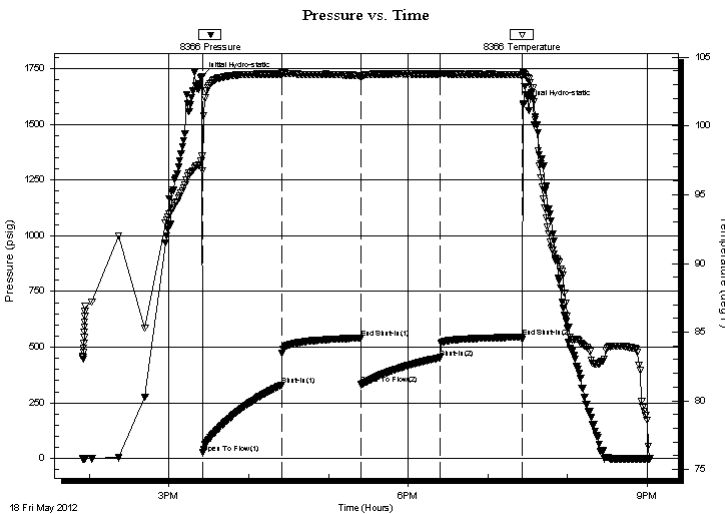
## GENERAL INFORMATION:

Formation: **Conglomerate Sand**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 15:25:04  
 Time Test Ended: 21:02:34  
 Interval: **3439.00 ft (KB) To 3445.00 ft (KB) (TVD)**  
 Total Depth: 3445.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Cody Bloedorn  
 Unit No: 54  
 Reference Elevations: 1841.00 ft (KB)  
 1837.00 ft (CF)  
 KB to GR/CF: 4.00 ft

**Serial #: 8366 Inside**  
 Press @ Run Depth: 452.77 psig @ 3440.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2012.05.18 End Date: 2012.05.18 Last Calib.: 2012.05.18  
 Start Time: 13:54:51 End Time: 21:02:34 Time On Btm: 2012.05.18 @ 15:24:49  
 Time Off Btm: 2012.05.18 @ 19:26:34

**TEST COMMENT:** IFP-Strong, BOB in 5 min.  
 ISI-Dead  
 FFP-Good Blow, BOB in 12 min.  
 FSI-Dead

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1714.50	97.80	Initial Hydro-static
1	25.80	96.76	Open To Flow (1)
60	329.55	103.78	Shut-In(1)
120	541.34	103.65	End Shut-In(1)
120	331.96	103.54	Open To Flow (2)
180	452.77	103.78	Shut-In(2)
241	545.24	103.71	End Shut-In(2)
242	1590.64	103.90	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1080.00	Muddy Water-95%W-5%M	14.02

\* Recovery from multiple tests

## Gas Rates

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







**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Brinker Enterprises LLC

**16-10s-15w Osborne KS**

216 S. Marshall St.  
Glen Elder KS 67446

**ChesneyHitschman16-1**

Job Ticket: 47292

**DST#: 4**

ATTN: Richard Bell

Test Start: 2012.05.18 @ 13:54:49

## Tool Information

Drill Pipe:	Length: 3300.00 ft	Diameter: 3.80 inches	Volume: 46.29 bbl	Tool Weight: 2000.00 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 46.90 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 37000.00 lb
Depth to Top Packer:	3439.00 ft			Final 41000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	6.00 ft			
Tool Length:	27.00 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			3419.00	
Shut In Tool	5.00			3424.00	
Hydraulic tool	5.00			3429.00	
Packer	5.00			3434.00	21.00 Bottom Of Top Packer
Packer	5.00			3439.00	
Stubb	1.00			3440.00	
Recorder	0.00	8366	Inside	3440.00	
Recorder	0.00	8289	Outside	3440.00	
Perforations	2.00			3442.00	
Bullnose	3.00			3445.00	6.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>27.00</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Brinker Enterprises LLC

**16-10s-15w Osborne KS**

216 S. Marshall St.  
Glen Elder KS 67446

**ChesneyHitschman16-1**

Job Ticket: 47292

**DST#: 4**

ATTN: Richard Bell

Test Start: 2012.05.18 @ 13:54:49

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

22000 ppm

Viscosity: 30.00 sec/qt

Cushion Volume:

bbbl

Water Loss: in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 60000.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1080.00	Muddy Water-95%W-5%M	14.020

Total Length: 1080.00 ft

Total Volume: 14.020 bbl

Num Fluid Samples: 0

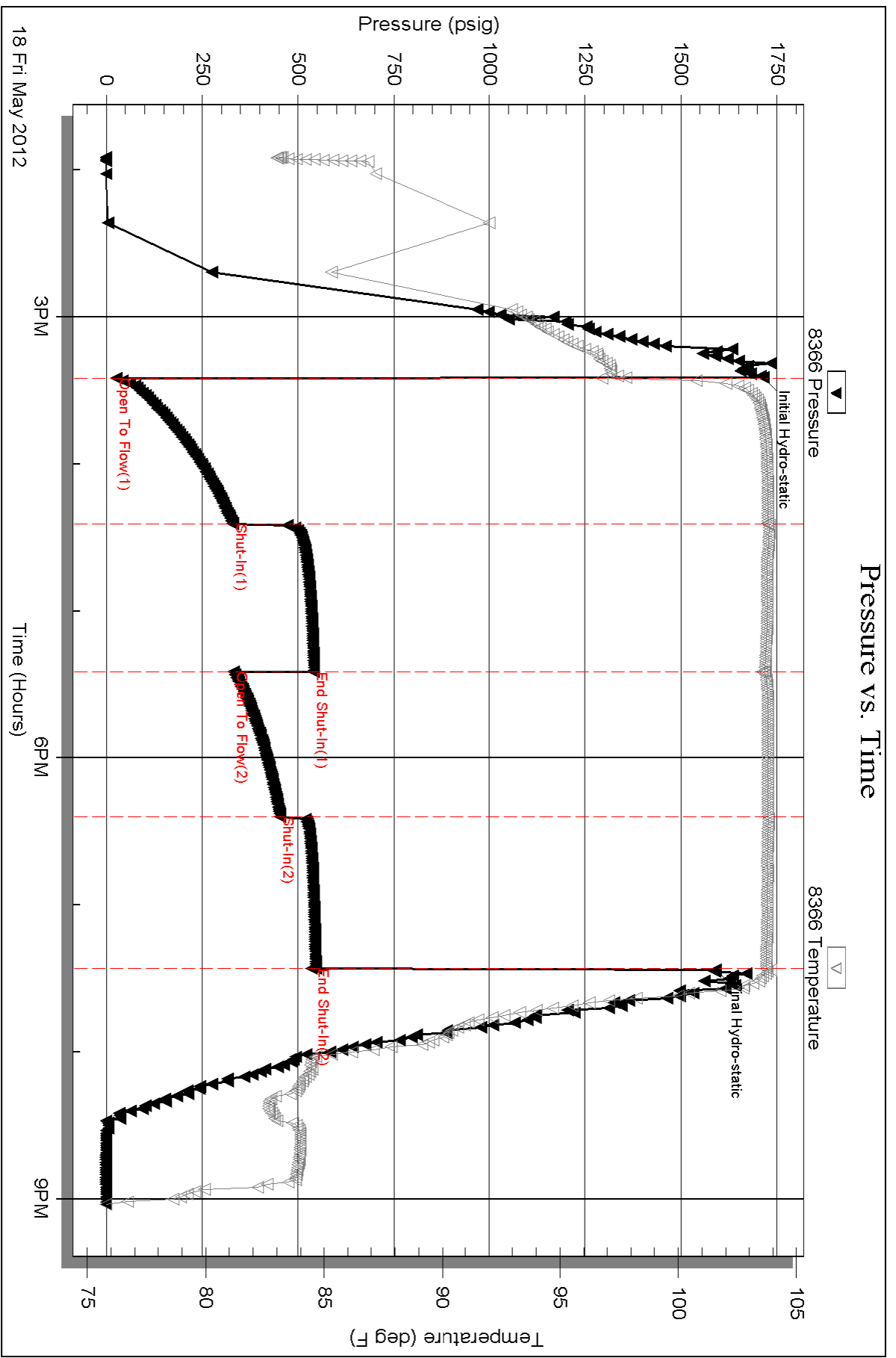
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

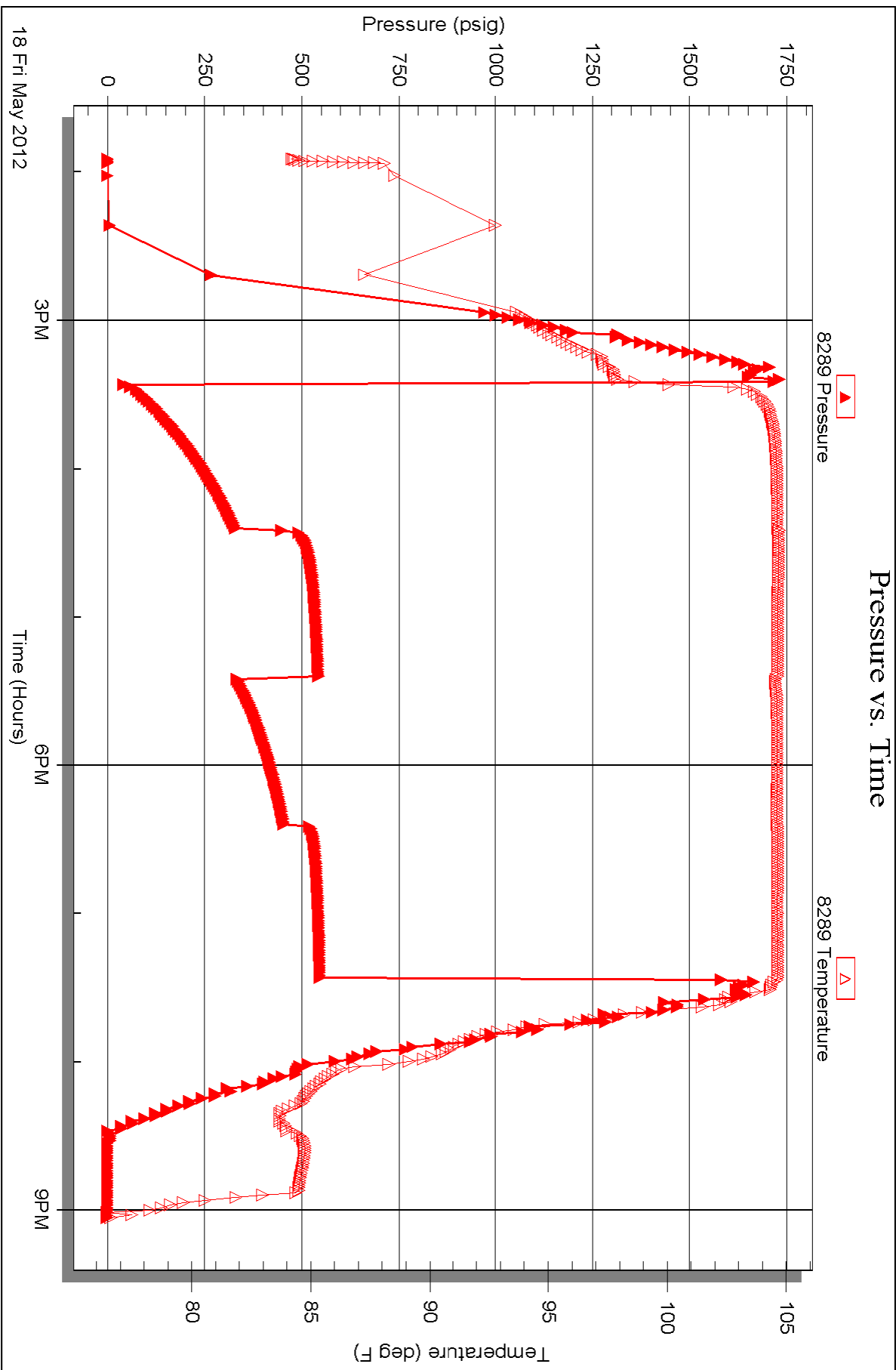


Serial #: 8289

Outside Brinker Enterprises LLC

Chesney/Hitschman 16-1

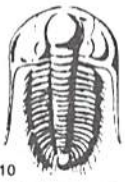
DST Test Number: 4



Triobite Testing, Inc

Ref. No: 47292

Printed: 2012.05.25 @ 08:51:57



# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 47179

Well Name & No. Brinker Enterprises LLC Test No. 1 Date 5-16-12  
 Company Chesney Hirschman #16-1 Elevation 1841 KB 1837 GL  
 Address 216 S. Marshall ST. Glen Elder KS, 67446  
 Co. Rep / Geo. Rich Bell Rig WW6  
 Location: Sec. 16 Twp. 10s Rge. 15w Co. osborne State KS

Interval Tested 2797-2815 Zone Tested Topeka  
 Anchor Length 18' Drill Pipe Run 2680 Mud Wt. 9.5  
 Top Packer Depth 2792 Drill Collars Run 124 Vis 30  
 Bottom Packer Depth 2797 Wt. Pipe Run — WL NC  
 Total Depth 2815 Chlorides 60,000 ppm System LCM —

Blow Description IF- 1/8" blow, died in 16 Min.  
ISI- No blow back  
FF- No blow back  
FSI- No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Mud-oil scum</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 5 BHT 91° Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>1334</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>6:53 am</u>
(B) First Initial Flow <u>9</u>	<input type="checkbox"/> Jars	T-Started <u>7:31 am</u>
(C) First Final Flow <u>12</u>	<input type="checkbox"/> Safety Joint	T-Open <u>8:42 am</u>
(D) Initial Shut-In <u>640</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>10:42 am</u>
(E) Second Initial Flow <u>42</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>11:46 am</u>
(F) Second Final Flow <u>14</u>	<input checked="" type="checkbox"/> Mileage <u>51 X 2</u> 158.10	Comments
(G) Final Shut-In <u>650</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1296</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>1308.10</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1308.1</u>	

Approved By \_\_\_\_\_ Our Representative Cody Black

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

## Test Ticket

NO. 47180

Well Name & No. Brinker Enterprises Test No. 2 Date 5-17-12  
 Company Chesney Hitschen #16-1 Elevation 1841 KB 1837 GL  
 Address 216 S. Marshall ST. Glen Elder KS, 67446  
 Co. Rep / Geo. Richard Bell Rig WW6  
 Location: Sec. 16 Twp. 10S Rge. 15W Co. Osborne State KS

Interval Tested 3043 - 3048 Zone Tested Toronto  
 Anchor Length 35 Drill Pipe Run 2897 Mud Wt. 9.5  
 Top Packer Depth 3098 Drill Collars Run 124 Vis 30  
 Bottom Packer Depth 3043 Wt. Pipe Run — WL NC  
 Total Depth 3048 Chlorides 60,000 ppm System LCM —

Blow Description IF - 1/4" blow  
ISI - No blow back  
FF - No blow back  
FSI - No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>Mud-oil seum</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 15' BHT 940 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>1472</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>12:17am</u>
(B) First Initial Flow <u>11</u>	<input type="checkbox"/> Jars	T-Started <u>12:41am</u>
(C) First Final Flow <u>17</u>	<input type="checkbox"/> Safety Joint	T-Open <u>1:45am</u>
(D) Initial Shut-In <u>850</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>3:45am</u>
(E) Second Initial Flow <u>34</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>4:48am</u>
(F) Second Final Flow <u>23</u>	<input checked="" type="checkbox"/> Mileage <u>5182</u> 158.10	Comments
(G) Final Shut-In <u>758</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1462</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>1308.10</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1308.10</u>	

Approved By \_\_\_\_\_ Our Representative Cody Bell

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# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 47291

4/10

Well Name & No. Chesney - Hitschman 16-1 Test No. 3 Date 5-17-12  
 Company Brinker Enterprises, LLC Elevation 1841 KB 1837 GL  
 Address 216 S. Marshall St., Glen Elder, KS. 67446  
 Co. Rep / Geo. Richard Bell Rig WW #6  
 Location: Sec. 16 Twp. 10s Rge. 15w Co. Osborne State KS

Interval Tested 3190-3326 Zone Tested H I J K L  
 Anchor Length 136' Drill Pipe Run 3050 Mud Wt. 9.0  
 Top Packer Depth 3185 Drill Collars Run 124 Vis 57  
 Bottom Packer Depth 3190 Wt. Pipe Run 0 WL 6.8  
 Total Depth 3326 Chlorides 3,800 ppm System LCM 2#  
 Blow Description IFP - Weak Blow, Died in 5 min.  
ISI - Dead  
FFP - Dead  
FSI - Dead

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>Very Slightly OCM</u>	<u>2</u>		<u>98</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 10 BHT \_\_\_\_\_ Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic <u>1654</u>	<input checked="" type="checkbox"/> Test 1150	T-On Location <u>22:39</u>
(B) First Initial Flow <u>64</u>	<input type="checkbox"/> Jars _____	T-Started <u>23:43</u>
(C) First Final Flow <u>73</u>	<input type="checkbox"/> Safety Joint _____	T-Open <u>1:03</u>
(D) Initial Shut-In <u>550</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>3:03</u>
(E) Second Initial Flow <u>78</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>4:33</u>
(F) Second Final Flow <u>79</u>	<input checked="" type="checkbox"/> Mileage <u>158.10</u>	Comments _____
(G) Final Shut-In <u>317</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1570</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby _____	Total <u>1308.10</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1308.10</u>	

Approved By \_\_\_\_\_ Our Representative Jason Mc Lamon Thank You

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# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 47292

Well Name & No. Chesney-Hitschman 16-1 Test No. 4 Date 5-18-12  
 Company Brinker Enterprises, LLC Elevation 1841 KB 1837 GL  
 Address 216 S. Marshal Street, Colen Elder, KS. 67446  
 Co. Rep / Geo. Richard Bell Rig WW #6  
 Location: Sec. 16 Twp. 10s Rge. 15w Co. Osborne State KS

Interval Tested 3439-3445 Zone Tested ~~Shale~~ Conglomerate Sand  
 Anchor Length 6' Drill Pipe Run 3300 Mud Wt. 9.0  
 Top Packer Depth 3434 Drill Collars Run 124 Vis 57  
 Bottom Packer Depth 3439 Wt. Pipe Run 0 WL 6.8  
 Total Depth 3445 Chlorides 3800 ppm System LCM 2#  
 Blow Description IFP- strong, BOB in 5 min.  
TSI- Dead  
FFP- Good Blow, BOB in 12 min  
FSI- Dead

Rec	Feet of	%gas	%oil	%water	%mud
<u>1080</u>	<u>Muddy Water</u>		<u>95</u>	<u>5</u>	
	<u>(Oil Scum on Top)</u>				

Rec Total 1080 BHT \_\_\_\_\_ Gravity \_\_\_\_\_ API RW 232 @ 91 °F Chlorides 22,000 ppm

(A) Initial Hydrostatic \_\_\_\_\_  Test 1150 \_\_\_\_\_ T-On Location 13:43  
 (B) First Initial Flow \_\_\_\_\_  Jars \_\_\_\_\_ T-Started 13:52  
 (C) First Final Flow \_\_\_\_\_  Safety Joint \_\_\_\_\_ T-Open 15:25  
 (D) Initial Shut-In \_\_\_\_\_  Circ Sub \_\_\_\_\_ T-Pulled 19:25  
 (E) Second Initial Flow \_\_\_\_\_  Hourly Standby \_\_\_\_\_ T-Out 21:01  
 (F) Second Final Flow \_\_\_\_\_  Mileage 158.10 \_\_\_\_\_ Comments \_\_\_\_\_  
 (G) Final Shut-In \_\_\_\_\_  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic \_\_\_\_\_  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_ Sub Total 0  
 Day Standby \_\_\_\_\_ Total 1308.10  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1308.10

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

Our Representative

Jason McLean Thank You