



## DRILL STEM TEST REPORT

Prepared For: **White Exploration, Inc.**

1635 N. Waterfront Pkwy. Suite 100  
Wichita, KS 67206

ATTN: Andy White

### **Harting #1**

#### **7-4s-22w Norton, KS**

Start Date: 2015.05.29 @ 19:32:57

End Date: 2015.05.30 @ 03:42:57

Job Ticket #: 61173                      DST #: 1

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.06.01 @ 10:27:24



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

White Exploration, Inc.

**7-4s-22w Norton, KS**

1635 N. Waterfront Pkwy. Suite 100  
Wichita, KS 67206

**Harting #1**

Job Ticket: 61173

**DST#: 1**

ATTN: Andy White

Test Start: 2015.05.29 @ 19:32:57

## GENERAL INFORMATION:

Formation: **Lansing A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:31:57

Time Test Ended: 03:42:57

Test Type: Conventional Bottom Hole (Initial)

Tester: Brannan Lonsdale

Unit No: 62

**Interval: 3420.00 ft (KB) To 3494.00 ft (KB) (TVD)**

Reference Elevations: 2307.00 ft (KB)

Total Depth: 3494.00 ft (KB) (TVD)

2302.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 5.00 ft

**Serial #: 8655 Outside**

Press@RunDepth: 72.26 psig @ 3428.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.05.29

End Date:

2015.05.30

Last Calib.:

2015.05.30

Start Time: 19:32:58

End Time:

03:42:57

Time On Btm:

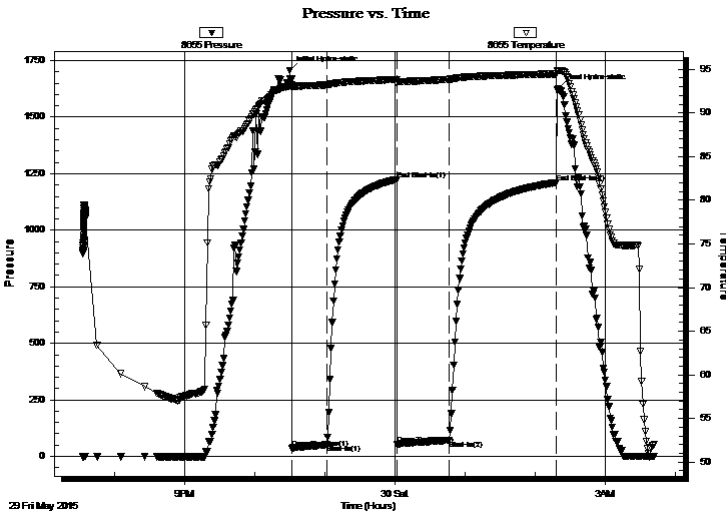
2015.05.29 @ 22:29:57

Time Off Btm:

2015.05.30 @ 02:19:57

**TEST COMMENT:** 30- IF- Surface blow built very slowly to .5"  
60- IS- No blow  
45- FF- Surface blow  
90- FSI- No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1706.82	93.13	Initial Hydro-static
2	37.30	92.94	Open To Flow (1)
32	51.78	93.22	Shut-In(1)
92	1224.53	93.83	End Shut-In(1)
92	54.58	93.34	Open To Flow (2)
137	72.26	93.84	Shut-In(2)
229	1210.62	94.47	End Shut-In(2)
230	1626.11	94.83	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
75.00	M	0.37

## Gas Rates

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



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TESTING, INC.**

# DRILL STEM TEST REPORT

White Exploration, Inc.

7-4s-22w Norton, KS

1635 N. Waterfront Pkwy. Suite 100  
Wichita, KS 67206

**Harting #1**

Job Ticket: 61173

**DST#: 1**

ATTN: Andy White

Test Start: 2015.05.29 @ 19:32:57

## GENERAL INFORMATION:

Formation: **Lansing A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:31:57

Time Test Ended: 03:42:57

Test Type: Conventional Bottom Hole (Initial)

Tester: Brannan Lonsdale

Unit No: 62

Interval: **3420.00 ft (KB) To 3494.00 ft (KB) (TVD)**

Reference Elevations: 2307.00 ft (KB)

Total Depth: 3494.00 ft (KB) (TVD)

2302.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 5.00 ft

**Serial #: 8651 Inside**

Press@RunDepth: psig @ 3428.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.05.29

End Date:

2015.05.30

Last Calib.:

2015.05.30

Start Time: 19:33:00

End Time:

03:44:59

Time On Btm:

Time Off Btm:

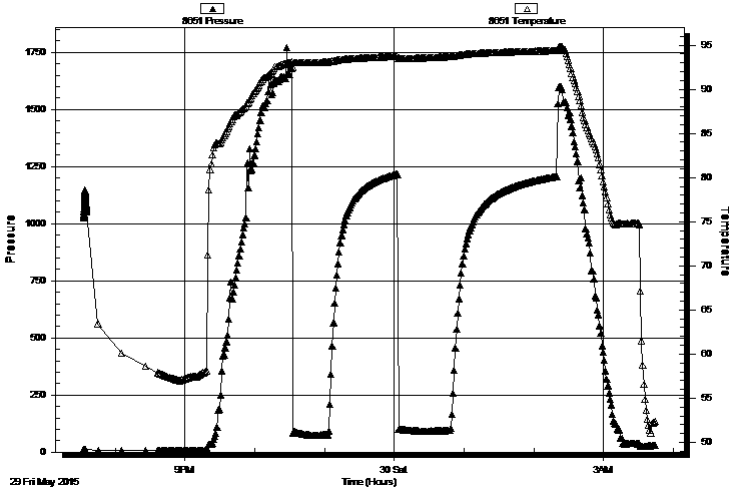
TEST COMMENT: 30- IF- Surface blow built very slowly to .5"

60- IS- No blow

45- FF- Surface blow

90- FS- No blow

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
75.00	M	0.37

Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

White Exploration, Inc.

**7-4s-22w Norton, KS**

1635 N. Waterfront Pkwy. Suite 100  
Wichita, KS 67206

**Harting #1**

Job Ticket: 61173

**DST#: 1**

ATTN: Andy White

Test Start: 2015.05.29 @ 19:32:57

## Tool Information

Drill Pipe:	Length: 3290.00 ft	Diameter: 3.82 inches	Volume: 46.64 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 5.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 57000.00 lb
Depth to Top Packer:	3420.00 ft			Final 57000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	74.00 ft			
Tool Length:	94.00 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			3401.00	
Shut In Tool	5.00			3406.00	
Hydraulic tool	5.00			3411.00	
Packer	5.00			3416.00	20.00 Bottom Of Top Packer
Packer	4.00			3420.00	
Stubb	1.00			3421.00	
Perforations	6.00			3427.00	
Change Over Sub	1.00			3428.00	
Recorder	0.00	8651	Inside	3428.00	
Recorder	0.00	8655	Outside	3428.00	
Drill Pipe	62.00			3490.00	
Change Over Sub	1.00			3491.00	
Bullnose	3.00			3494.00	74.00 Bottom Packers & Anchor

**Total Tool Length: 94.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

White Exploration, Inc.

**7-4s-22w Norton, KS**

1635 N. Waterfront Pkwy. Suite 100  
Wichita, KS 67206

**Harting #1**

Job Ticket: 61173

**DST#: 1**

ATTN: Andy White

Test Start: 2015.05.29 @ 19:32:57

## 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: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
75.00	M	0.369

Total Length: 75.00 ft      Total Volume: 0.369 bbl

Num Fluid Samples: 0

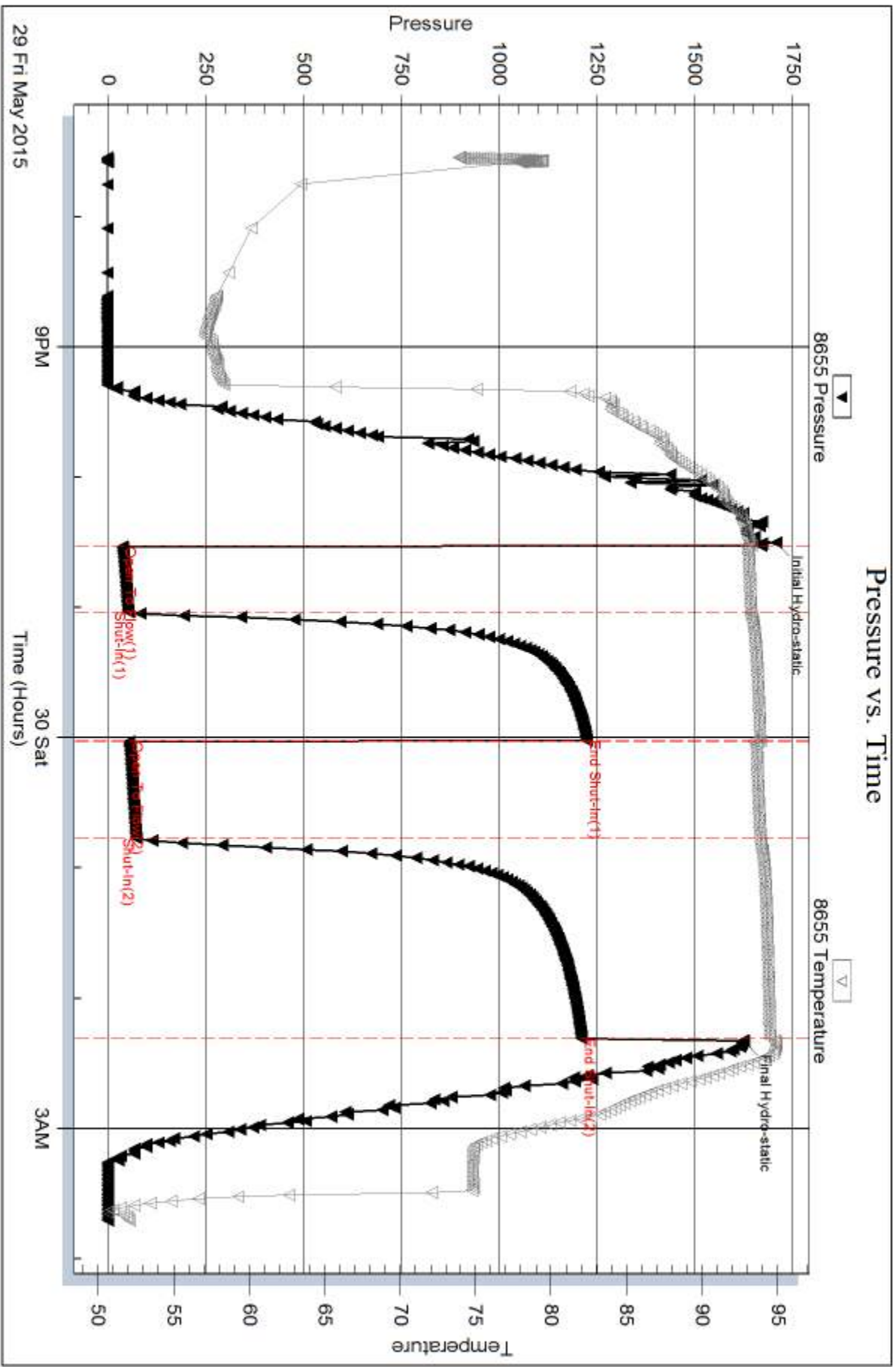
Num Gas Bombs: 0

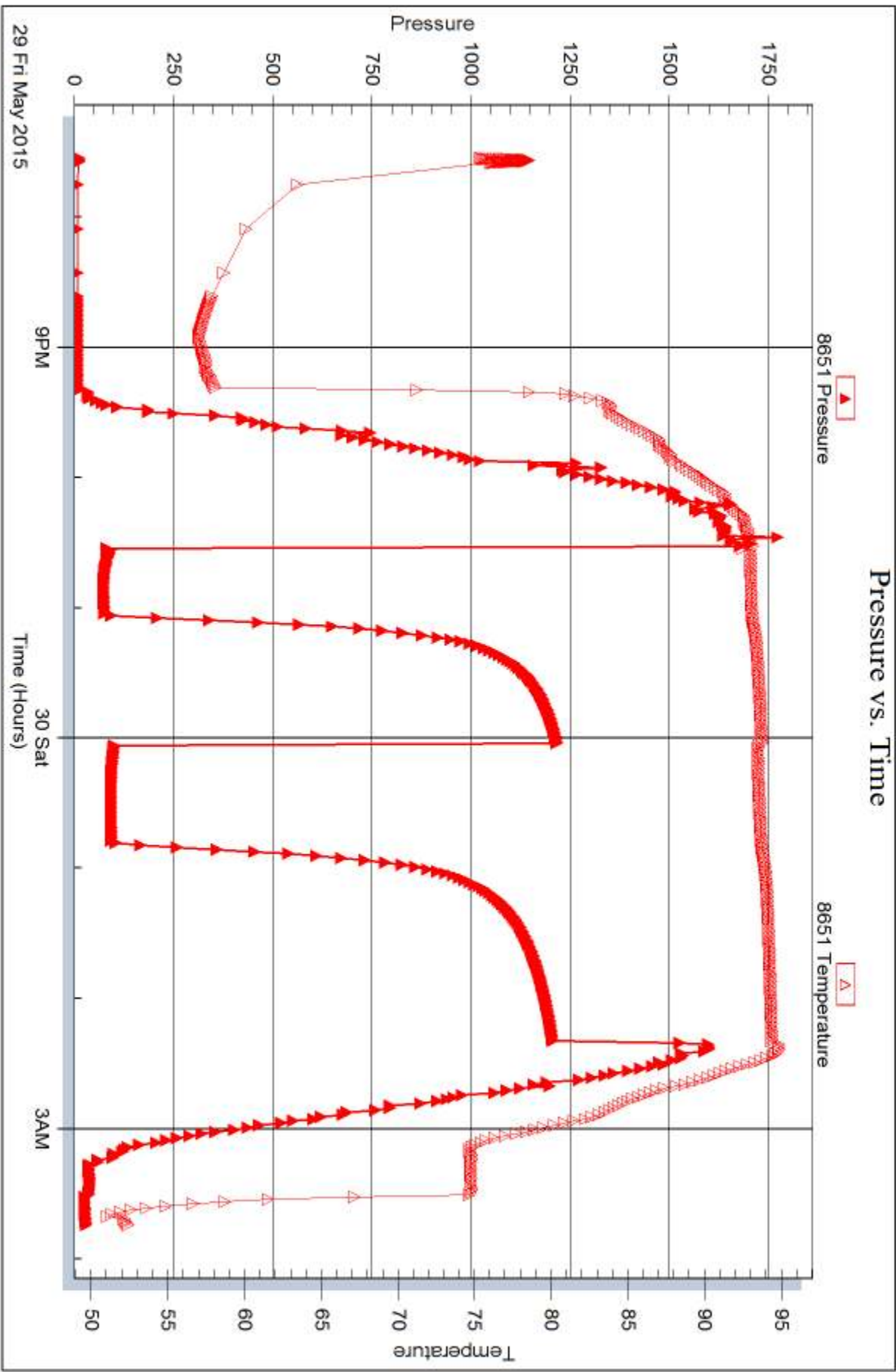
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







## DRILL STEM TEST REPORT

Prepared For: **White Exploration, Inc.**

1635 N. Waterfront Pkwy. Suite 100  
Wichita, KS 67206

ATTN: Andy White

### **Harting #1**

#### **7-4s-22w Norton, KS**

Start Date: 2015.05.30 @ 18:10:56

End Date: 2015.05.31 @ 01:35:56

Job Ticket #: 61174                      DST #: 2

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.06.01 @ 10:24:09

White Exploration, Inc. 7-4s-22w Norton, KS Harting #1 DST # 2 LKC "H-J" 2015.05.30





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

White Exploration, Inc.

**7-4s-22w Norton, KS**

1635 N. Waterfront Pkwy. Suite 100  
Wichita, KS 67206

**Harting #1**

Job Ticket: 61174

**DST#: 2**

ATTN: Andy White

Test Start: 2015.05.30 @ 18:10:56

## GENERAL INFORMATION:

Formation: **LKC "H-J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:52:56

Time Test Ended: 01:35:56

Test Type: Conventional Bottom Hole (Reset)

Tester: Brannan Lonsdale

Unit No: 62

**Interval: 3560.00 ft (KB) To 3630.00 ft (KB) (TVD)**

Reference Elevations: 2307.00 ft (KB)

Total Depth: 3630.00 ft (KB) (TVD)

2302.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8655 Outside**

Press@RunDepth: 139.42 psig @ 3564.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.05.30

End Date:

2015.05.31

Last Calib.:

2015.05.31

Start Time:

18:10:57

End Time:

01:35:56

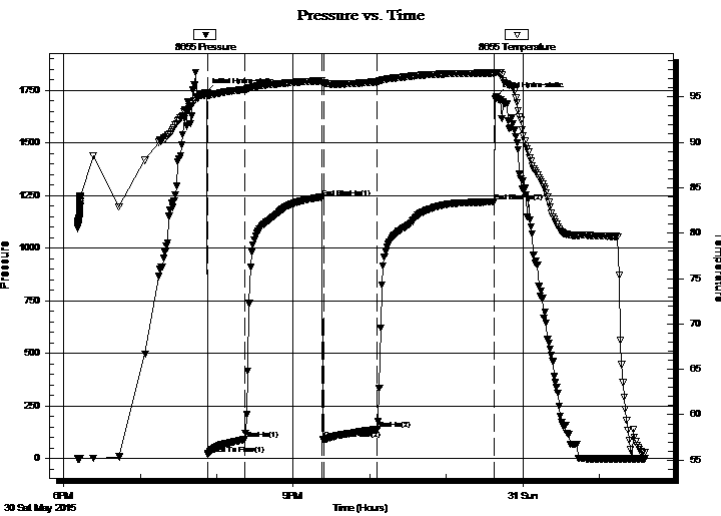
Time On Btm:

2015.05.30 @ 19:51:26

Time Off Btm:

2015.05.30 @ 23:38:56

**TEST COMMENT:** 30- IF- BOB 18 mins  
60- IS- No blow  
45- FF- BOB 14 mins  
90- FSI- Slowly built to 1" in 16 mins, then slowly died after 77 mins



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1736.97	95.46	Initial Hydro-static
2	20.49	95.15	Open To Flow (1)
31	91.64	95.83	Shut-In(1)
91	1240.37	96.78	End Shut-In(1)
93	90.52	96.56	Open To Flow (2)
135	139.42	96.68	Shut-In(2)
226	1220.98	97.63	End Shut-In(2)
228	1721.22	97.71	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
320.00	GMCO, 10%G 35%M 55%O	3.43
0.00	495' GIP	0.00

\* Recovery from multiple tests

## Gas Rates

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



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# DRILL STEM TEST REPORT

White Exploration, Inc.

**7-4s-22w Norton, KS**

1635 N. Waterfront Pkwy. Suite 100  
Wichita, KS 67206

**Harting #1**

Job Ticket: 61174

**DST#: 2**

ATTN: Andy White

Test Start: 2015.05.30 @ 18:10:56

## GENERAL INFORMATION:

Formation: **LKC "H-J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:52:56

Time Test Ended: 01:35:56

Test Type: Conventional Bottom Hole (Reset)

Tester: Brannan Lonsdale

Unit No: 62

**Interval: 3560.00 ft (KB) To 3630.00 ft (KB) (TVD)**

Total Depth: 3630.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2307.00 ft (KB)

2302.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 8651 Inside**

Press@RunDepth: psig @ 3564.00 ft (KB)

Start Date: 2015.05.30

End Date:

2015.05.31

Start Time: 18:11:10

End Time:

01:37:39

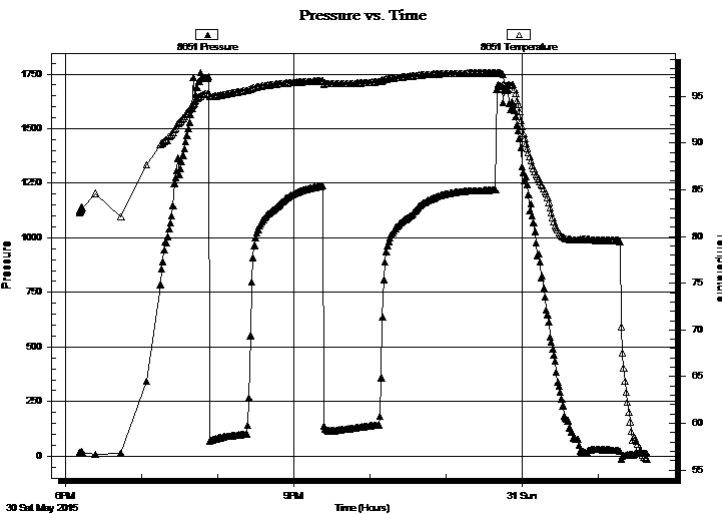
Capacity: 8000.00 psig

Last Calib.: 2015.05.31

Time On Btm:

Time Off Btm:

**TEST COMMENT:** 30- IF- BOB 18 mins  
60- IS- No blow  
45- FF- BOB 14 mins  
90- FS- Slowly built to 1" in 16 mins, then slowly died after 77 mins



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
320.00	GMCO, 10%G 35%M 55%O	3.43
0.00	495' 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**

White Exploration, Inc.

**7-4s-22w Norton, KS**

1635 N. Waterfront Pkwy. Suite 100  
Wichita, KS 67206

**Harting #1**

Job Ticket: 61174

**DST#: 2**

ATTN: Andy White

Test Start: 2015.05.30 @ 18:10:56

## Tool Information

Drill Pipe:	Length: 3448.00 ft	Diameter: 3.82 inches	Volume: 48.88 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 77000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3560.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	70.00 ft			
Tool Length:	90.00 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			3541.00	
Shut In Tool	5.00			3546.00	
Hydraulic tool	5.00			3551.00	
Packer	5.00			3556.00	20.00 Bottom Of Top Packer
Packer	4.00			3560.00	
Stubb	1.00			3561.00	
Perforations	2.00			3563.00	
Change Over Sub	1.00			3564.00	
Recorder	0.00	8651	Inside	3564.00	
Recorder	0.00	8655	Outside	3564.00	
Drill Pipe	62.00			3626.00	
Change Over Sub	1.00			3627.00	
Bullnose	3.00			3630.00	70.00 Bottom Packers & Anchor

**Total Tool Length: 90.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

White Exploration, Inc.

**7-4s-22w Norton, KS**

1635 N. Waterfront Pkwy. Suite 100  
Wichita, KS 67206

**Harting #1**

Job Ticket: 61174

**DST#: 2**

ATTN: Andy White

Test Start: 2015.05.30 @ 18:10:56

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
320.00	GMCO, 10%G 35%M 55%O	3.425
0.00	495' GIP	0.000

Total Length: 320.00 ft      Total Volume: 3.425 bbl

Num Fluid Samples: 0

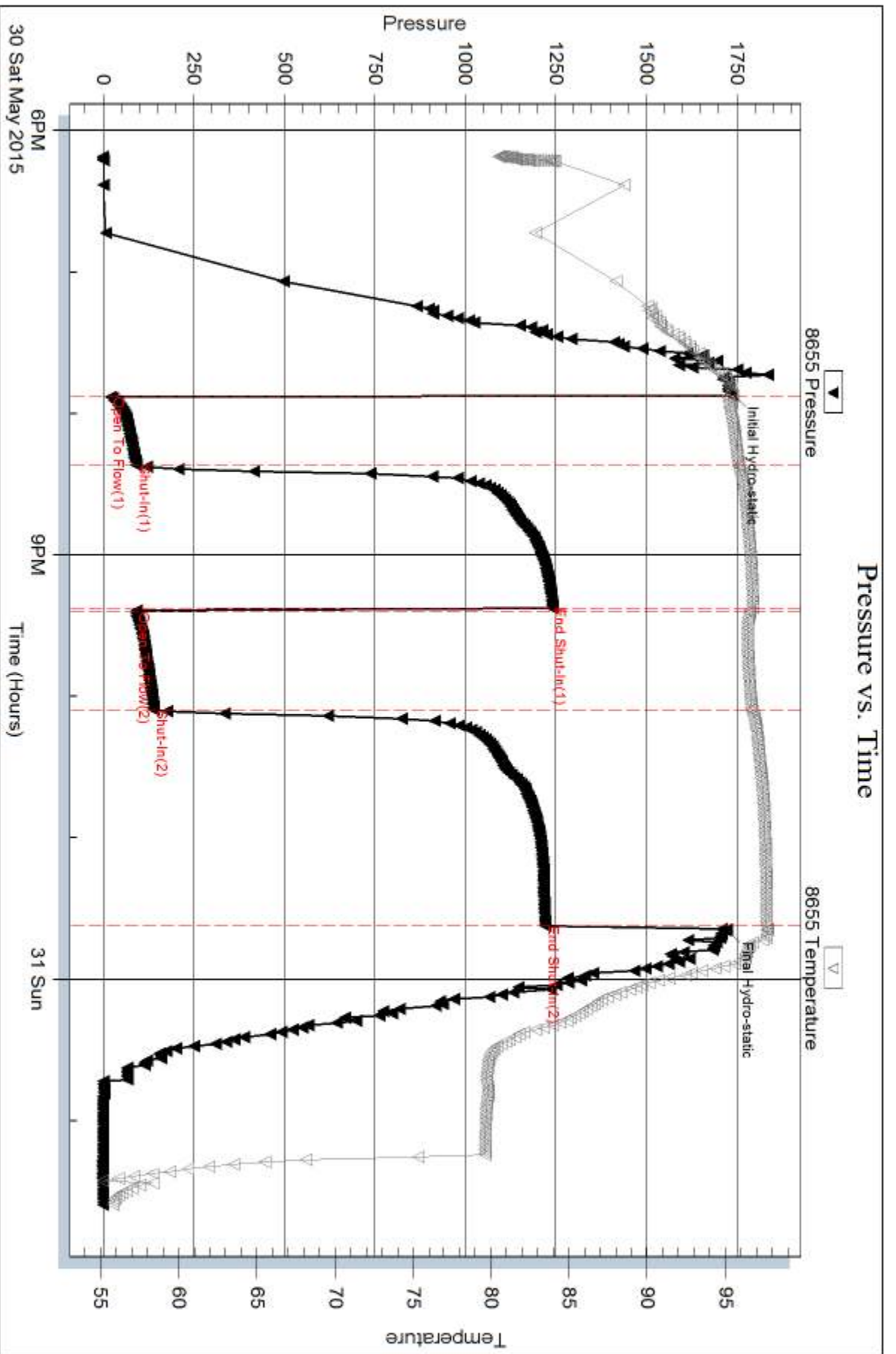
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



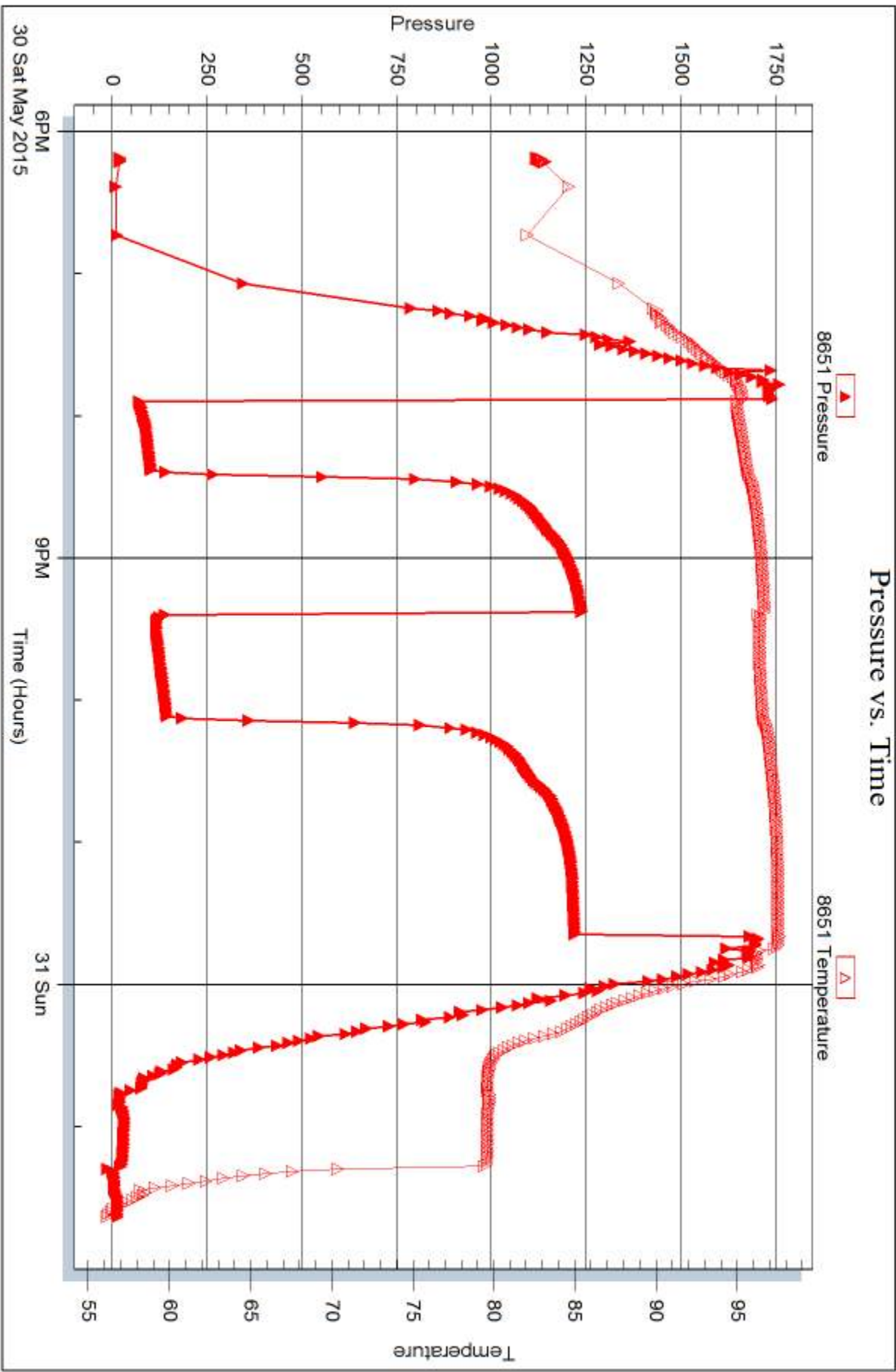
Serial #: 8651

Inside

White Exploration, Inc.

Hearing #1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 61174

Printed: 2015.06.01 @ 10:24:10



## DRILL STEM TEST REPORT

Prepared For: **White Exploration, Inc.**

1635 N. Waterfront Pkwy. Suite 100  
Wichita, KS 67206

ATTN: Andy White

### **Harting #1**

#### **7-4s-22w Norton, KS**

Start Date: 2015.05.31 @ 11:49:02

End Date: 2015.05.31 @ 18:47:32

Job Ticket #: 61175                      DST #: 3

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.06.01 @ 10:05:12



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

White Exploration, Inc.

**7-4s-22w Norton, KS**

1635 N. Waterfront Pkwy. Suite 100  
Wichita, KS 67206

**Harting #1**

Job Ticket: 61175

**DST#: 3**

ATTN: Andy White

Test Start: 2015.05.31 @ 11:49:02

## GENERAL INFORMATION:

Formation: **Reagan Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:23:32

Time Test Ended: 18:47:32

Test Type: Conventional Bottom Hole (Reset)

Tester: Brannan Lonsdale

Unit No: 62

**Interval: 3656.00 ft (KB) To 3740.00 ft (KB) (TVD)**

Reference Elevations: 2307.00 ft (KB)

Total Depth: 3740.00 ft (KB) (TVD)

2302.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8655 Outside**

Press@RunDepth: 105.09 psig @ 3673.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.05.31

End Date:

2015.05.31

Last Calib.:

2015.05.31

Start Time: 11:49:03

End Time:

18:47:32

Time On Btm:

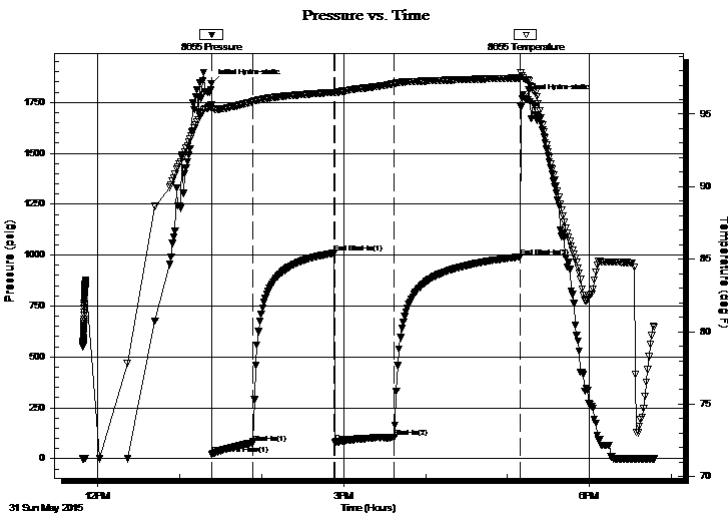
2015.05.31 @ 13:23:02

Time Off Btm:

2015.05.31 @ 17:10:32

TEST COMMENT: 30- IF- Built very slow ly to 1 1/2"  
60- IS- No blow  
45- FF- Built very slow ly to 2 1/4"  
90- FS- No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1843.28	95.63	Initial Hydro-static
1	21.83	95.40	Open To Flow (1)
30	75.84	95.84	Shut-In(1)
90	1008.66	96.50	End Shut-In(1)
91	78.30	96.49	Open To Flow (2)
134	105.09	97.10	Shut-In(2)
226	991.78	97.49	End Shut-In(2)
228	1767.48	97.64	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
150.00	M	1.02

## Gas Rates

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

\* Recovery from multiple tests





**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

White Exploration, Inc.

**7-4s-22w Norton, KS**

1635 N. Waterfront Pkwy. Suite 100  
Wichita, KS 67206

**Harting #1**

Job Ticket: 61175

**DST#: 3**

ATTN: Andy White

Test Start: 2015.05.31 @ 11:49:02

### GENERAL INFORMATION:

Formation: **Reagan Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:23:32

Time Test Ended: 18:47:32

Test Type: Conventional Bottom Hole (Reset)

Tester: Brannan Lonsdale

Unit No: 62

**Interval: 3656.00 ft (KB) To 3740.00 ft (KB) (TVD)**

Total Depth: 3740.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2307.00 ft (KB)

2302.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 8651** Inside

Press@RunDepth: psig @ 3673.00 ft (KB)

Start Date: 2015.05.31

End Date:

2015.05.31

Capacity: 8000.00 psig

Last Calib.:

2015.05.31

Start Time: 11:48:54

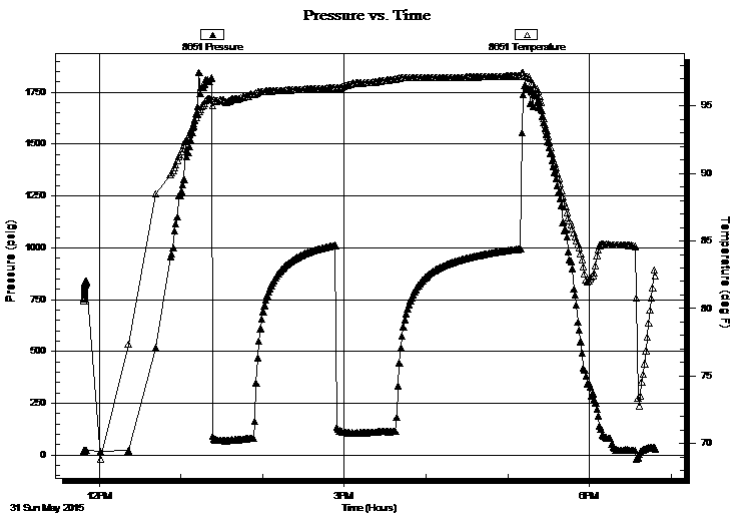
End Time:

18:48:23

Time On Btm:

Time Off Btm:

TEST COMMENT: 30- IF- Built very slow ly to 1 1/2"  
60- IS- No blow  
45- FF- Built very slow ly to 2 1/4"  
90- FS- No blow



### PRESSURE SUMMARY

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

### Recovery

Length (ft)	Description	Volume (bbl)
150.00	M	1.02

\* Recovery from multiple tests

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

White Exploration, Inc.

**7-4s-22w Norton, KS**

1635 N. Waterfront Pkwy. Suite 100  
Wichita, KS 67206

**Harting #1**

Job Ticket: 61175

**DST#: 3**

ATTN: Andy White

Test Start: 2015.05.31 @ 11:49:02

## Tool Information

Drill Pipe:	Length: 3542.00 ft	Diameter: 3.82 inches	Volume: 50.21 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 68000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	3656.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	84.00 ft			
Tool Length:	104.00 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			3637.00	
Shut In Tool	5.00			3642.00	
Hydraulic tool	5.00			3647.00	
Packer	5.00			3652.00	20.00 Bottom Of Top Packer
Packer	4.00			3656.00	
Stubb	1.00			3657.00	
Perforations	15.00			3672.00	
Change Over Sub	1.00			3673.00	
Recorder	0.00	8651	Inside	3673.00	
Recorder	0.00	8655	Outside	3673.00	
Drill Pipe	63.00			3736.00	
Change Over Sub	1.00			3737.00	
Bullnose	3.00			3740.00	84.00 Bottom Packers & Anchor

**Total Tool Length: 104.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

White Exploration, Inc.

**7-4s-22w Norton, KS**

1635 N. Waterfront Pkwy. Suite 100  
Wichita, KS 67206

**Harting #1**

Job Ticket: 61175

**DST#: 3**

ATTN: Andy White

Test Start: 2015.05.31 @ 11:49:02

## Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 54.00 sec/qt

Water Loss: 6.39 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 1500.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
150.00	M	1.015

Total Length: 150.00 ft      Total Volume: 1.015 bbl

Num Fluid Samples: 0

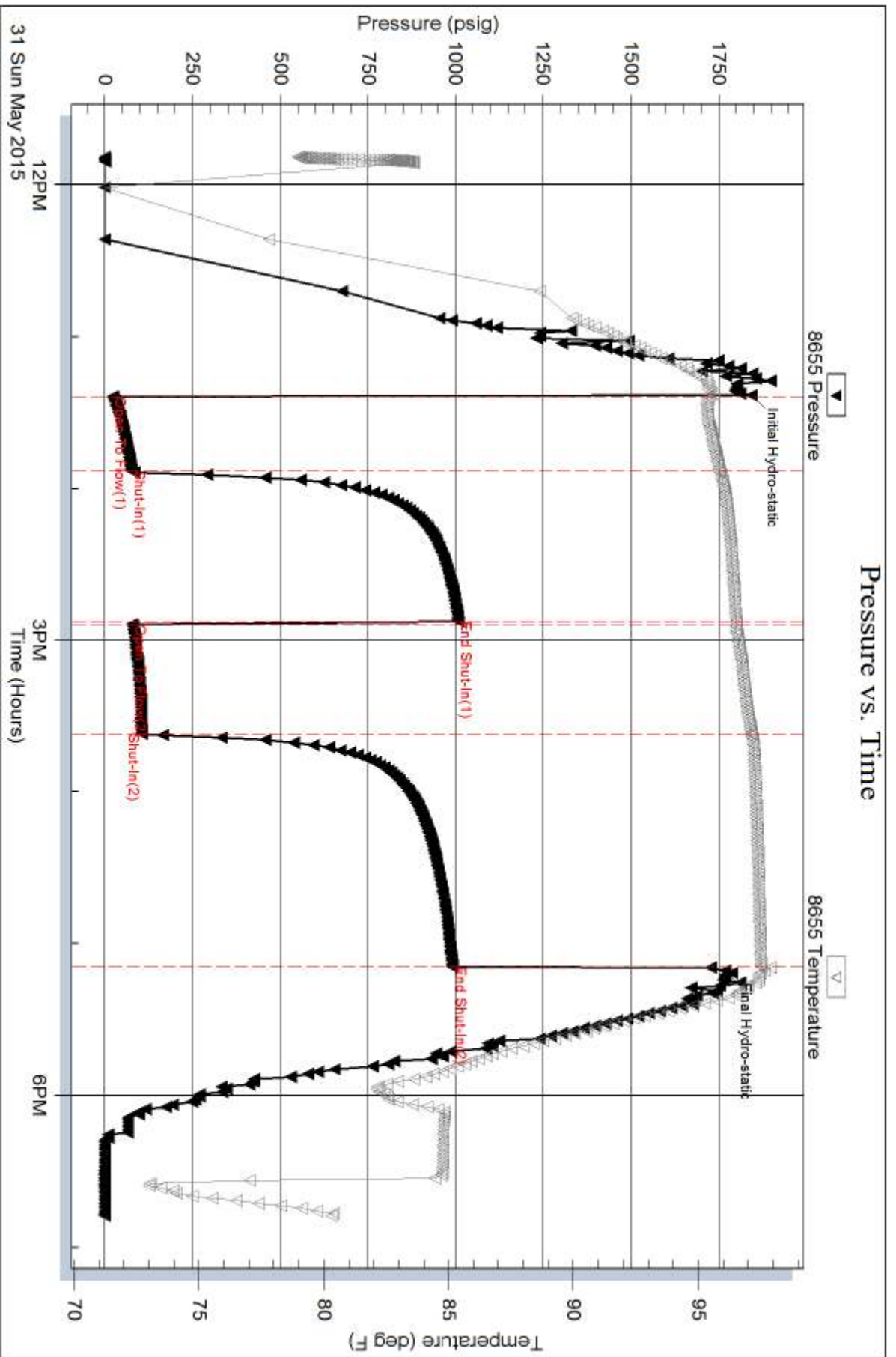
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



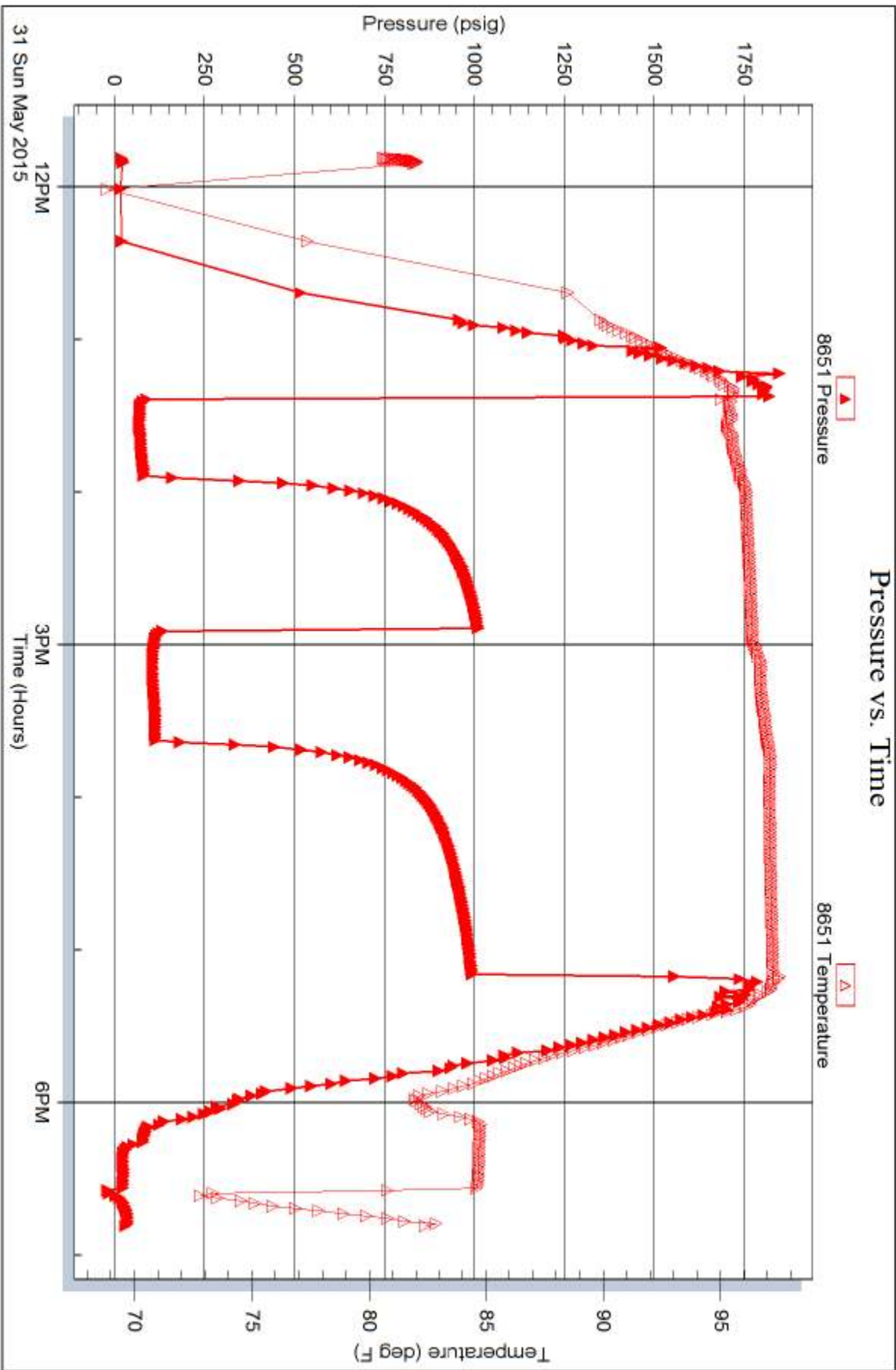
Serial #: 8651

Inside

White Exploration, Inc.

Hearing #1

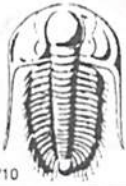
DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 61175

Printed: 2015.06.01 @ 10:05:14



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 61173

4/10

Well Name & No. Harding #1 Test No. 1 Date 5/29/15  
 Company White Exploration, Inc. Elevation 2307KB 2302GL  
 Address 1635 N. Waterfront Pkwy. Suite 100 Wichita, KS 67206  
 Co. Rep / Geo. Andy White Rig WW #8  
 Location: Sec. 7 Twp. 4 S Rge. 22 W Co. Norton State KS

Interval Tested 3420-3494 Zone Tested Lansing "A"  
 Anchor Length 74' Drill Pipe Run 3290 Mud Wt. 8.9  
 Top Packer Depth 3415 Drill Collars Run 120 Vis 60+  
 Bottom Packer Depth 3420 Wt. Pipe Run — WL 5.8  
 Total Depth 3494 Chlorides 1200ppm System LCM 2#

Blow Description IF - Surface blow built very slowly to 1/2"  
IST - No blow  
FP - Surface blow  
PSI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>25</u>	<u>M</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 25' BHT 95° Gravity — API RW — @ — °F Chlorides — ppm

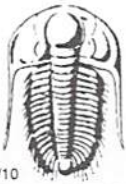
(A) Initial Hydrostatic 1707  Test 1050 T-On Location 1915  
 (B) First Initial Flow 37  Jars — T-Started 1933  
 (C) First Final Flow 52  Safety Joint — T-Open 2232  
 (D) Initial Shut-In 1225  Circ Sub — T-Pulled 0217 5/30  
 (E) Second Initial Flow 55  Hourly Standby — T-Out 0345  
 (F) Second Final Flow 72  Mileage 190 RT 95 Comments —  
 (G) Final Shut-In 1211  Sampler —  
 (H) Final Hydrostatic 1626  Straddle —  Ruined Shale Packer —  
 Shale Packer —  Ruined Packer —

Initial Open 30  Extra Packer —  Extra Copies —  
 Initial Shut-In 60  Extra Recorder — Sub Total 0  
 Final Flow 45  Day Standby — Total 1145  
 Final Shut-In 90  Accessibility — MP/DST Disc't —  
 Sub Total 1145

Approved By \_\_\_\_\_ Our Representative Brannan Lonsdale

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. 61174

Well Name & No. Harding #1 Test No. 2 Date 5/30/15  
 Company White Exploration, Inc. Elevation 2307 KB 2302 GL  
 Address 1635 N. Waterfront Pkwy, Suite 100 Wichita, KS 67206  
 Co. Rep / Geo. Andy White Rig WW #8  
 Location: Sec. 7 Twp. 4 S Rge. 22 W Co. Norton State KS

Interval Tested 3560-3630 Zone Tested LKC "H-J"  
 Anchor Length 20' Drill Pipe Run 3448 Mud Wt. 9.0  
 Top Packer Depth 3555 Drill Collars Run 120 Vis 50  
 Bottom Packer Depth 3560 Wt. Pipe Run — WL 6.8  
 Total Depth 3630 Chlorides 1500 ppm System LCM 2#

Blow Description IF-DOB 18mins  
PSI - No flow  
PP-DOB 14mins  
PSI - slowly built to 1" in 16mins, then slowly died after 77mins

Rec	Feet of	%gas	%oil	%water	%mud
<u>320</u>	<u>6MCO</u>	<u>10</u>	<u>55</u>	<u>—</u>	<u>35</u>
Rec	Feet of <u>495' GIP</u>	%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 320' BHT 98° Gravity 35 API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>1737</u>	<input checked="" type="checkbox"/> Test <u>1050</u>	T-On Location <u>1750</u>
(B) First Initial Flow <u>20</u>	<input type="checkbox"/> Jars	T-Started <u>1811</u>
(C) First Final Flow <u>92</u>	<input type="checkbox"/> Safety Joint	T-Open <u>1953</u>
(D) Initial Shut-In <u>1240</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>2338</u>
(E) Second Initial Flow <u>91</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>0138</u> <u>5/31</u>
(F) Second Final Flow <u>139</u>	<input checked="" type="checkbox"/> Mileage <u>190 RT</u> <u>95</u>	Comments
(G) Final Shut-In <u>1221</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1721</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 30  
 Initial Shut-In 60  
 Final Flow 48  
 Final Shut-In 90

Sub Total 0  
 Total 1145  
 MP/DST Disc't —

Sub Total 1145

Approved By \_\_\_\_\_ Our Representative Brennan Lonsdale

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 61175

4/10

Well Name & No. Hasting #1 Test No. 3 Date 5/31/15  
 Company White Expiration Inc. Elevation 2307 KB 2302 GL  
 Address 1635 N. Waterfront Pkwy, Suite 100 Wichita, KS 67206  
 Co. Rep / Geo. Andy White Rig WW #8  
 Location: Sec. 7 Twp. 4 S Rge. 22 W Co. Norton State KS

Interval Tested 3656-3740 Zone Tested Raegen Sand  
 Anchor Length 84' Drill Pipe Run 3542 Mud Wt. 9.3  
 Top Packer Depth 3651 Drill Collars Run 120 Vis 54  
 Bottom Packer Depth 3656 Wt. Pipe Run --- WL 6.4  
 Total Depth 3740 Chlorides 1500 ppm System LCM 2<sup>+</sup>

Blow Description IF - Built very slowly to 1 1/2"  
ISF - No blow  
FF - Built very slowly to 2 1/4"  
PSI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>150</u>	<u>M</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 150 BHT 98° Gravity --- API RW --- @ --- °F Chlorides --- ppm

- (A) Initial Hydrostatic 1843
- (B) First Initial Flow 22
- (C) First Final Flow 76
- (D) Initial Shut-In 1009
- (E) Second Initial Flow 78
- (F) Second Final Flow 105
- (G) Final Shut-In 992
- (H) Final Hydrostatic 1767

- Test 1050
- Jars
- Safety Joint
- Circ Sub
- Hourly Standby
- Mileage 190 RT 95
- Sampler
- Straddle
- Shale Packer
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility
- Sub Total 1145

T-On Location 1146  
 T-Started 1149  
 T-Open 1324  
 T-Pulled 1709  
 T-Out 1849  
 Comments \_\_\_\_\_  
 Ruined Shale Packer  
 Ruined Packer  
 Extra Copies  
 Sub Total 0  
 Total 1145  
 MP/DST Disc't \_\_\_\_\_

Initial Open 30  
 Initial Shut-In 60  
 Final Flow 45  
 Final Shut-In 90

Approved By \_\_\_\_\_ Our Representative Brannan Lonsdale

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