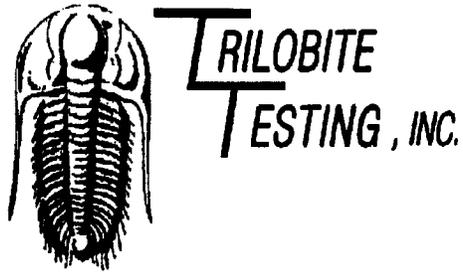


*Good*



## DRILL STEM TEST REPORT

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

2400 N Woodlawn STE 115 Wichita, KS  
67220

ATTN: Wes Hansen

**31 29 31 Haskell KS**

**Elisaesser # 1**

Start Date: 2009.11.12 @ 08:11:52

End Date: 2009.11.12 @ 17:08:01

Job Ticket #: 30887                      DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

White Exploration, Inc.

Elisaesser # 1

31 29 31 Haskell KS

DST # 1

Swope Limestone

2009.11.12



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

White Exploration, Inc.

Ellsaesser # 1

2400 N Woodlawn STE 115 Wichita, KS 67220

31 29 31 Haskell KS

ATTN: Wes Hansen

Job Ticket: 30887

DST#: 1

Test Start: 2009.11.12 @ 08:11:52

## GENERAL INFORMATION:

Formation: **Swope Limestone**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:29:11

Time Test Ended: 17:08:01

Test Type: Conventional Bottom Hole

Tester: Chris Hagman

Unit No: 34

Interval: **4634.00 ft (KB) To 4674.00 ft (KB) (TVD)**

Total Depth: 4674.00 ft (KB) (TVD)

Hole Diameter: 7.78 inches Hole Condition: Good

Reference Elevations: 2887.00 ft (KB)

2877.00 ft (CF)

KB to GR/CF: 10.00 ft

**Serial #: 6753**

**Inside**

Press@RunDepth: 469.81 psig @ 4639.00 ft (KB)

Start Date: 2009.11.12

End Date:

2009.11.12

Start Time: 08:11:52

End Time:

17:08:01

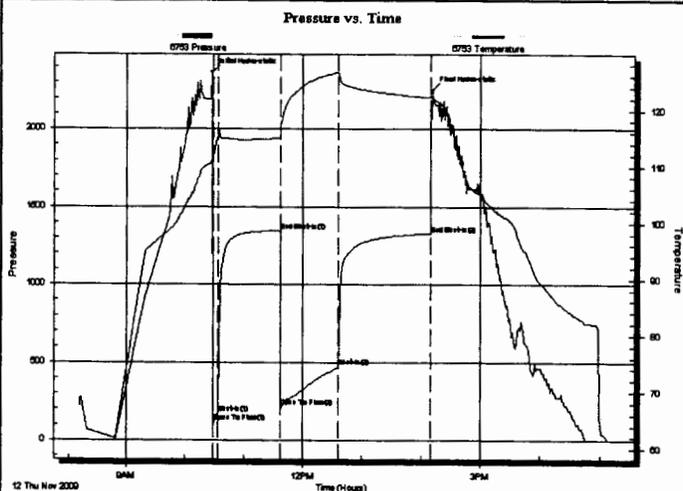
Capacity: 8000.00 psig

Last Calib.: 2009.11.12

Time On Btrn: 2009.11.12 @ 10:27:41

Time Off Btrn: 2009.11.12 @ 14:11:41

**TEST COMMENT:** IF: BOB 2 min., strong building blow  
 IS: No blow back  
 FF: BOB 2 min., strong steady blow  
 IS: Blow back 30 sec., BOB 10 min.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2364.14	111.36	Initial Hydro-static
2	113.96	112.01	Open To Flow (1)
6	170.28	115.22	Shut-In(1)
70	1346.90	115.04	End Shut-In(1)
70	212.55	117.53	Open To Flow (2)
129	469.81	126.71	Shut-In(2)
223	1327.54	122.27	End Shut-In(2)
225	2251.06	122.53	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
682.00	gassy water 10%G,90%W	4.59
186.00	oily gasy muddy water 20%G,10%O,50%W,2.61%M	
186.00	gasy muddy watery oil 40%G,30%O,10%W,2.61%M	

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

White Exploration, Inc.  
2400 N Woodlawn STE 115 Wichita, KS 67220  
ATTN: Wes Hansen

**Ellsaesser # 1**  
**31 29 31 Haskell KS**  
Job Ticket: 30887      DST#: 1  
Test Start: 2009.11.12 @ 08:11:52

**Tool Information**

Drill Pipe:	Length: 4081.00 ft	Diameter: 3.80 inches	Volume: 57.25 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: 20000.00 lb
Drill Collar:	Length: 546.00 ft	Diameter: 2.25 inches	Volume: 2.69 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 59.94 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 85000.00 lb
Depth to Top Packer:	4634.00 ft			Final 90000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	71.00 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			4604.00	
Shut In Tool	5.00			4609.00	
Sampler	3.00			4612.00	
Hydraulic tool	5.00			4617.00	
Jars	5.00			4622.00	
Safety Joint	3.00			4625.00	
Packer	5.00			4630.00	31.00 Bottom Of Top Packer
Packer	4.00			4634.00	
Stubb	1.00			4635.00	
Perforations	3.00			4638.00	
Change Over Sub	1.00			4639.00	
Recorder	0.00	8374	inside	4639.00	
Recorder	0.00	6753	inside	4639.00	
Drill Pipe	31.00			4670.00	
Change Over Sub	1.00			4671.00	
Bullnose	3.00			4674.00	40.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>71.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

White Exploration, Inc.

**Ellsaesser # 1**

2400 N Woodlaw n STE 115 Wichita, KS 67220

**31 29 31 Haskell KS**

Job Ticket: 30887

**DST#: 1**

ATTN: Wes Hansen

Test Start: 2009.11.12 @ 08:11:52

## 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: 160000 ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.94 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2300.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
682.00	gassy water 10%G,90%W	4.593
186.00	oily gasy muddy water 20%G,10%O,50%W,20%G	2.609
186.00	gasy muddy watery oil 40%G,30%O,10%W,20%G	2.609

Total Length: 1054.00 ft      Total Volume: 9.811 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW=.053@75F=160,000ppm

Sampler=500ml Oil, 3000ml water, @1200psi, 3.7CF Gas

Serial #: 6753

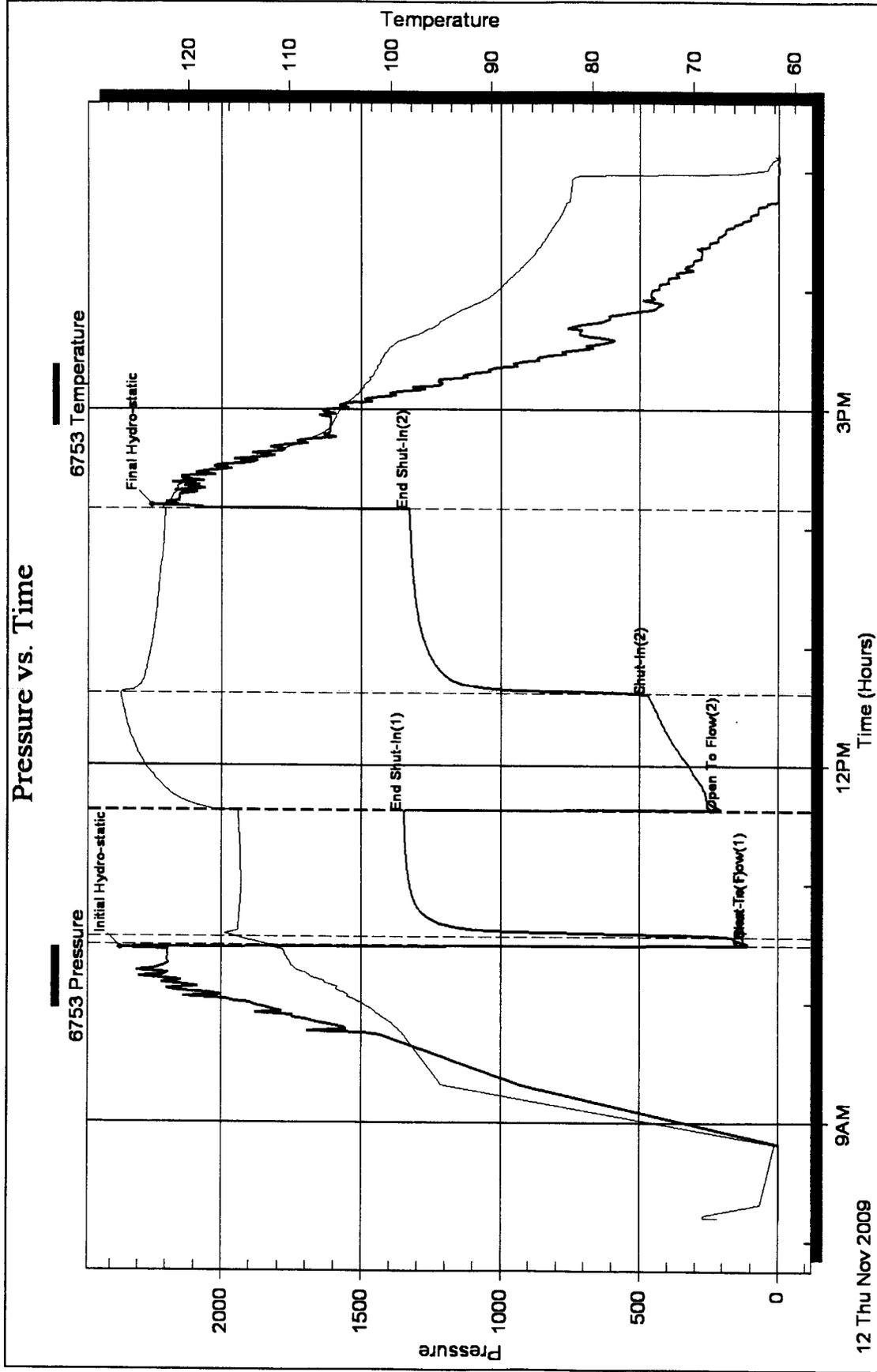
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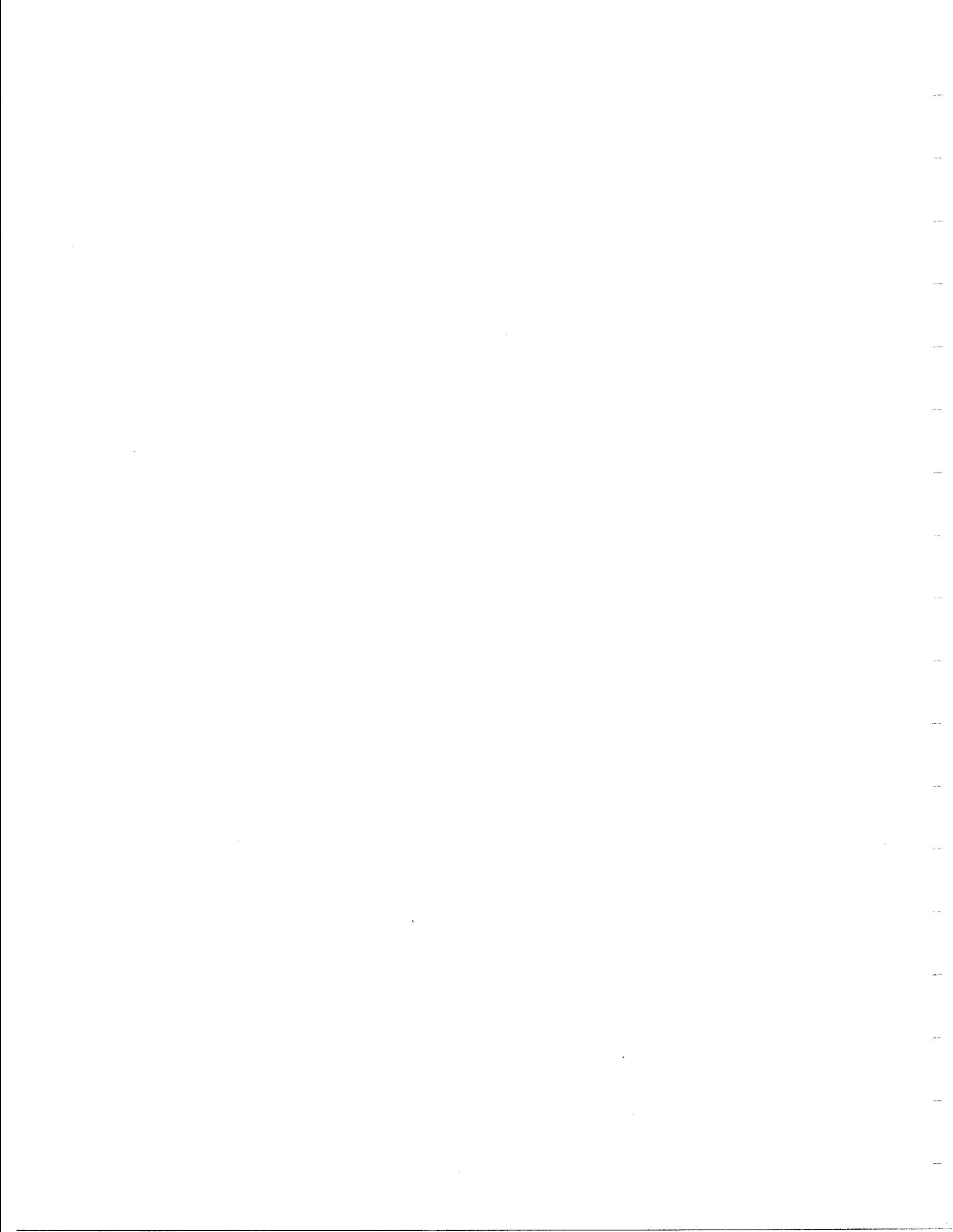
White Exploration, Inc.

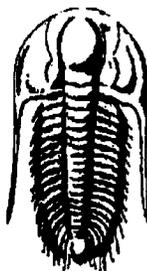
31 29 31 Haskell KS

DST Test Number: 1

### Pressure vs. Time







**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

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

2400 N Woodlawn STE 115 Wichita, KS  
67220

ATTN: Wes Hansen

**31 29 31 Haskell KS**

**Ellesaesser # 1**

Start Date: 2009.11.14 @ 11:10:25

End Date: 2009.11.14 @ 20:09:34

Job Ticket #: 30888                      DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

White Exploration, Inc.

Ellesaesser # 1

31 29 31 Haskell KS

DST # 2

Morrow

2009.11.14



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

White Exploration, Inc.

Ellsaesser # 1

2400 N Woodlawn STE 115 Wichita, KS 67220

31 29 31 Haskell KS

ATTN: Wes Hansen

Job Ticket: 30888

DST#: 2

Test Start: 2009.11.14 @ 11:10:25

### GENERAL INFORMATION:

Formation: **Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:35:34

Time Test Ended: 20:09:34

Test Type: Conventional Bottom Hole

Tester: Chris Hagman

Unit No: 34

Interval: **5164.00 ft (KB) To 5280.00 ft (KB) (TVD)**

Total Depth: 5280.00 ft (KB) (TVD)

Hole Diameter: 7.78 inches Hole Condition: Good

Reference Elevations: 2887.00 ft (KB)

2877.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: **6753**

Inside

Press@RunDepth: 1578.35 psig @ 5167.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2009.11.14

End Date:

2009.11.14

Last Calib.: 2009.11.14

Start Time: 11:10:25

End Time:

20:09:34

Time On Btm: 2009.11.14 @ 13:34:14

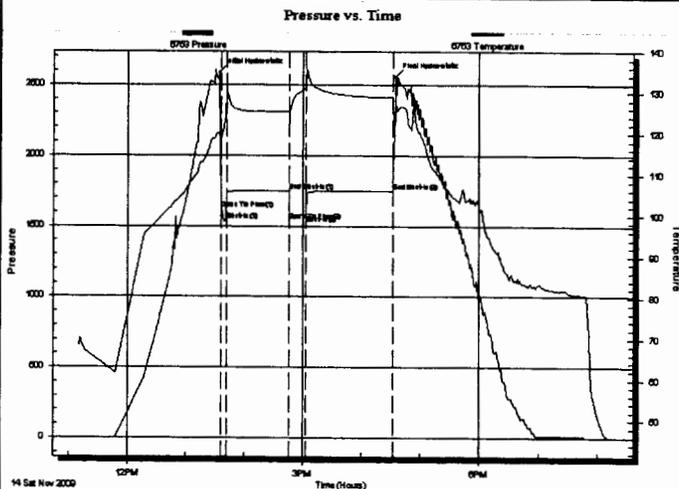
Time Off Btm: 2009.11.14 @ 16:34:54

TEST COMMENT: IF: BOB 15 sec., GTS 5 min., strong building blow

IS: No blow back

FF: BOB GTS ASAO, strong building blow, shut in @ 20 min., condensate blowing on rig

FS: No blow back



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2585.43	120.18	Initial Hydro-static
2	1622.05	117.77	Open To Flow (1)
7	1539.09	124.51	Shut-In (1)
71	1748.77	125.33	End Shut-In (1)
72	1536.50	119.39	Open To Flow (2)
89	1578.35	130.96	Shut-In (2)
179	1749.51	128.80	End Shut-In (2)
181	2559.37	127.91	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
248.00	100%M	1.22

### Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	1.00	200.00	6163.75
Last Gas Rate	1.00	200.00	6163.75



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

White Exploration, Inc.

**Ellsaesser # 1**

2400 N Woodlawn STE 115 Wichita, KS 67220

**31 29 31 Haskell KS**

Job Ticket: 30888

**DST#: 2**

ATTN: Wes Hansen

Test Start: 2009.11.14 @ 11:10:25

**Tool Information**

Drill Pipe:	Length: 4617.00 ft	Diameter: 3.80 inches	Volume: 64.76 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:	20000.00 lb
Drill Collar:	Length: 546.00 ft	Diameter: 2.25 inches	Volume: 2.69 bbl	Weight to Pull Loose:	120000.0 lb
			<u>Total Volume: 67.45 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	90000.00 lb
Depth to Top Packer:	5164.00 ft			Final	90000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	116.00 ft				
Tool Length:	147.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

**Tool Comments:**

Sampler had a plug that washed out, no recovery in sampler

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Change Over Sub	1.00			5134.00	
Shut In Tool	5.00			5139.00	
Sampler	3.00			5142.00	
Hydraulic tool	5.00			5147.00	
Jars	5.00			5152.00	
Safety Joint	3.00			5155.00	
Packer	5.00			5160.00	31.00 Bottom Of Top Packer
Packer	4.00			5164.00	
Stubb	1.00			5165.00	
Perforations	2.00			5167.00	
Recorder	0.00	8374	Inside	5167.00	
Recorder	0.00	6753	Inside	5167.00	
Perforations	15.00			5182.00	
Change Over Sub	1.00			5183.00	
Drill Pipe	93.00			5276.00	
Change Over Sub	1.00			5277.00	
Bullnose	3.00			5280.00	116.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>147.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

White Exploration, Inc.	<b>Ellsaesser # 1</b>
2400 N Woodlaw n STE 115 Wichita, KS 67220	<b>31 29 31 Haskell KS</b>
ATTN: Wes Hansen	Job Ticket: 30888 <b>DST#: 2</b>
	Test Start: 2009.11.14 @ 11:10:25

### 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:	4400 ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.77 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2300.00 ppm			
Filter Cake: inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
248.00	100%M	1.220

Total Length: 248.00 ft      Total Volume: 1.220 bbl

Num Fluid Samples: 0      Num Gas Bombs: 1      Serial #:

Laboratory Name: Caraway      Laboratory Location: Liberal, KS

Recovery Comments: RW=1.545@55F=4400ppm



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**GAS RATES**

White Exploration, Inc.

**Ellsaesser # 1**

2400 N Woodlaw n STE 115 Wichita, KS 67220

**31 29 31 Haskell KS**

Job Ticket: 30888

**DST#:2**

ATTN: Wes Hansen

Test Start: 2009.11.14 @ 11:10:25

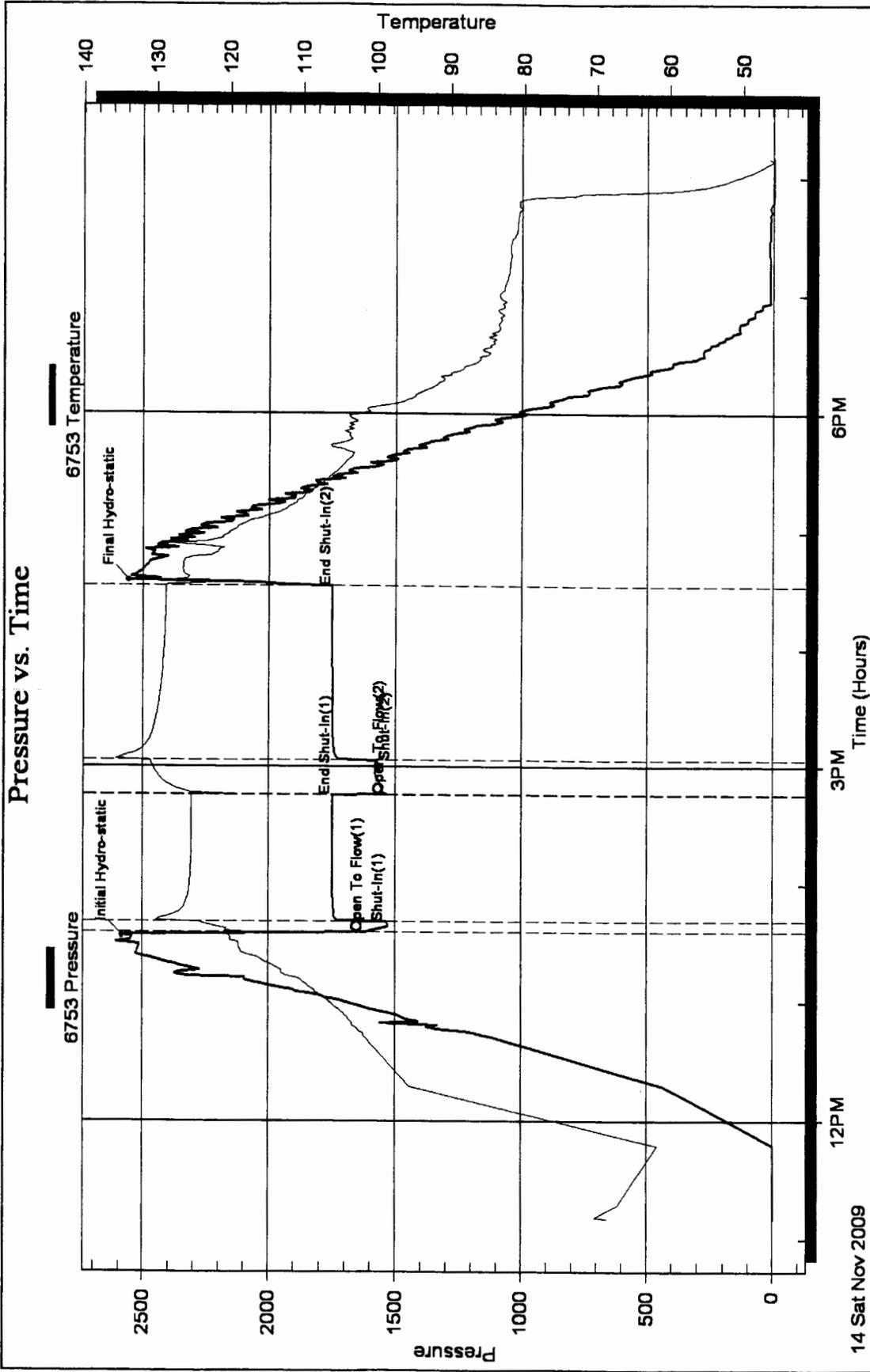
### Gas Rates Information

Temperature: 59 deg C  
Relative Density: 0.65  
Z Factor: 0.8

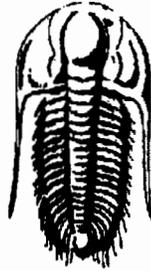
Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m <sup>3</sup> /d)
2	10	1.00	200.00	6163.75
2	10	1.00	200.00	6163.75

### Pressure vs. Time



14 Sat Nov 2009



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

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

2400 N Woodlawn STE 115 Wichita, KS  
67220

ATTN: Wes Hansen

**31 29 31 Haskell KS**

**Ellsaesser # 1**

Start Date: 2009.11.16 @ 02:44:19

End Date: 2009.11.16 @ 11:21:58

Job Ticket #: 30889                      DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

White Exploration, Inc.

Ellsaesser # 1

31 29 31 Haskell KS

DST # 3

St. Louis

2009.11.16



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

White Exploration, Inc.  
2400 N Woodlaw n STE 115 Wichita, KS 67220  
ATTN: Wes Hansen

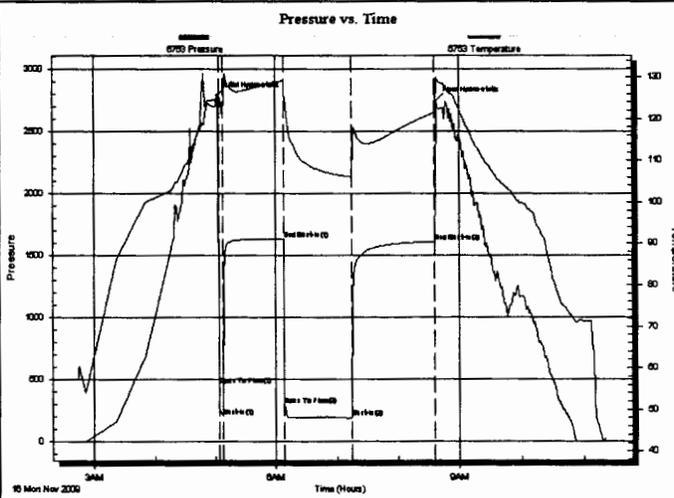
**Elisaesser # 1**  
**31 29 31 Haskell KS**  
Job Ticket: 30889      **DST#: 3**  
Test Start: 2009.11.16 @ 02:44:19

## GENERAL INFORMATION:

Formation: **St. Louis**  
Deviated: No Whipstock      ft (KB)  
Time Tool Opened: 05:03:38  
Time Test Ended: 11:21:58  
Interval: **5514.00 ft (KB) To 5536.00 ft (KB) (TVD)**  
Total Depth: 5536.00 ft (KB) (TVD)  
Hole Diameter: 7.78 inches Hole Condition: Good  
Test Type: Conventional Bottom Hole  
Tester: Chris Hagman  
Unit No: 34  
Reference Elevations: 2887.00 ft (KB)  
2877.00 ft (CF)  
KB to GR/CF: 10.00 ft

**Serial #: 6753      Inside**  
Press@RunDepth: 191.06 psig @ 5518.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2009.11.16      End Date: 2009.11.16      Last Callb.: 2009.11.16  
Start Time: 02:44:19      End Time: 11:21:58      Time On Btrr: 2009.11.16 @ 05:02:28  
Time Off Btrr: 2009.11.16 @ 08:37:28

**TEST COMMENT:** IF: BOB 10 sec., GTS 4 min., strong building blow  
IS: No blow back  
FF: BOB GTS ASAO, strong steady blow  
FSI: No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2784.67	124.96	Initial Hydro-static
2	455.44	125.18	Open To Flow (1)
6	203.83	120.31	Shut-in(1)
66	1632.48	129.12	End Shut-in(1)
66	293.71	125.89	Open To Flow (2)
133	191.06	106.03	Shut-in(2)
214	1610.83	121.41	End Shut-in(2)
215	2741.41	129.77	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	No fluid	0.00

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	1.00	15.00	845.22
Last Gas Rate	1.00	22.00	1046.46
Max. Gas Rate	1.00	22.00	1046.46



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

White Exploration, Inc.

**Ellsaesser # 1**

2400 N Woodlawn STE 115 Wichita, KS 67220

**31 29 31 Haskell KS**

Job Ticket: 30889

**DST#: 3**

ATTN: Wes Hansen

Test Start: 2009.11.16 @ 02:44:19

**Tool Information**

Drill Pipe:	Length: 4962.00 ft	Diameter: 3.80 inches	Volume: 69.60 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:	20000.00 lb
Drill Collar:	Length: 546.00 ft	Diameter: 2.25 inches	Volume: 2.69 bbl	Weight to Pull Loose:	100000.0 lb
		Total Volume: 72.29 bbl		Tool Chased	0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial	91000.00 lb
Depth to Top Packer:	5514.00 ft			Final	91000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	22.00 ft				
Tool Length:	53.00 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			5484.00	
Shut In Tool	5.00			5489.00	
Sampler	3.00			5492.00	
Hydraulic tool	5.00			5497.00	
Jars	5.00			5502.00	
Safety Joint	3.00			5505.00	
Packer	5.00			5510.00	31.00 Bottom Of Top Packer
Packer	4.00			5514.00	
Stubb	1.00			5515.00	
Perforations	3.00			5518.00	
Recorder	0.00	8374	Inside	5518.00	
Recorder	0.00	6753	Inside	5518.00	
Perforations	15.00			5533.00	
Bullnose	3.00			5536.00	22.00 Bottom Packers & Anchor

**Total Tool Length: 53.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

White Exploration, Inc.

**Ellsaesser # 1**

2400 N Woodlaw n STE 115 Wichita, KS 67220

**31 29 31 Haskell KS**

ATTN: Wes Hansen

Job Ticket: 30889

**DST#: 3**

Test Start: 2009.11.16 @ 02:44:19

## 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: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2700.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	No fluid	0.000

Total Length:

ft

Total Volume:

bbl

Num Fluid Samples: 0

Num Gas Bombs: 1

Serial #:

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments: 5508' GIP

Sampler=14.8CF Gas @ 1400psi



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**GAS RATES**

White Exploration, Inc.

Ellsaesser # 1

2400 N Woodlaw n STE 115 Wichita, KS 67220

31 29 31 Haskell KS

Job Ticket: 30889

DST#: 3

ATTN: Wes Hansen

Test Start: 2009.11.16 @ 02:44:19

### Gas Rates Information

Temperature: 59 deg C

Relative Density: 0.65

Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m <sup>3</sup> /d)
2	10	1.00	15.00	845.22
2	10	1.00	15.00	845.22
2	20	1.00	21.00	1017.71
2	30	1.00	22.00	1046.46
2	40	1.00	22.00	1046.46
2	50	1.00	22.00	1046.46

Serial #: 6753

Inside White Exploration, Inc.

31 29 31 Haskell KS

DST Test Number: 3

