



1265008



Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Geologist Report / Mud Logs	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

- Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
- Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
- Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i>	PRODUCTION INTERVAL: Top _____ Bottom _____
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:
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Form	ACO1 - Well Completion
Operator	American Land And Energy LLC
Well Name	Vonfeldt 1
Doc ID	1265008

All Electric Logs Run

Sonic
Radiation Guard
Micro Resistivity
Dual Induction
Compensated Density Neutron
Cement Bond





# GLOBAL CEMENTING, L.L.C.

1719

REMIT TO 18048 170RD  
RUSSELL, KS 67665

SERVICE POINT: Russell, KS

DATE <u>7-18-15</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>W08214</u>	WELL #. <u>1</u>	LOCATION			COUNTY <u>Fillis</u>	STATE <u>KS</u>	<u>2:45pm</u>
OLD OR <u>NEW</u> (CIRCLE ONE)							

CONTRACTOR Royal

TYPE OF JOB Logging

HOLE SIZE 7 7/8 T.D. 5100

CASING SIZE 5 1/2 DEPTH 3600

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX 1500psi. MINIMUM 100psi

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS

DISPLACEMENT 87661

EQUIPMENT

PUMP TRUCK CEMENTER Heath - Brad

# PE2 HELPER Jason

BULK TRUCK DRIVER Notman

# B13 DRIVER

OWNER

CEMENT

AMOUNT ORDERED 23051 cement 10% 50 11

290gal 2% plaster

508 60140

COMMON @

POZMIX @

GEL @

CHLORIDE @

ASC @

HANDLING @

MILEAGE @

TOTAL

REMARKS:

Run 115 of 5 1/2 casing - hook up  
and circulate for 1 hr. mix 23051s  
down hole - knock loose and wash  
pump and lines clean - d.sp. 97661  
H2O - plug landed @ 1500psi. - Released  
and d. d. up - listening pressure @  
1000psi. plug R.F. 23051 MU - 15505

CHARGE TO: American Land & Energy

STREET

CITY STATE ZIP

Global Cementing, L.L.C.,  
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Doug Bueg

SIGNATURE Doug Bueg

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE

EXTRA FOOTAGE @

MILEAGE @

MANIFOLD @

TOTAL

PLUG & FLOAT EQUIPMENT

1- API shoe

5- 5 1/2" tank @

1- 100 Plug @

1- Basket @

500 gal mud flush @

10 gal HCL @

TOTAL

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS



## DRILL STEM TEST REPORT

Prepared For: **American Land And Energy LLC**

7277 Tenby Way  
Castle Pines CO 80108

ATTN: Lyle Herrman

### **Vonfeldt #1**

#### **7-15s-16w Ellis,KS**

Start Date: 2015.09.15 @ 00:15:00

End Date: 2015.09.15 @ 08:03:00

Job Ticket #: 61659                      DST #: 1

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

Printed: 2015.09.17 @ 09:48:46



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

American Land And Energy LLC

**7-15s-16w Ellis,KS**

7277 Tenby Way  
Castle Pines CO 80108

**Vonfeldt #1**

Job Ticket: 61659

**DST#: 1**

ATTN: Lyle Herrman

Test Start: 2015.09.15 @ 00:15:00

## GENERAL INFORMATION:

Formation: **LKC " A - C "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:14:30

Time Test Ended: 08:03:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jim Svaty

Unit No: 76

**Interval: 3154.00 ft (KB) To 3211.00 ft (KB) (TVD)**

Reference Elevations: 1890.00 ft (KB)

Total Depth: 3211.00 ft (KB) (TVD)

1884.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 6.00 ft

**Serial #: 8289 Outside**

Press@RunDepth: 59.05 psig @ 3155.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.09.15

End Date:

2015.09.15

Last Calib.: 2015.09.15

Start Time: 00:15:02

End Time:

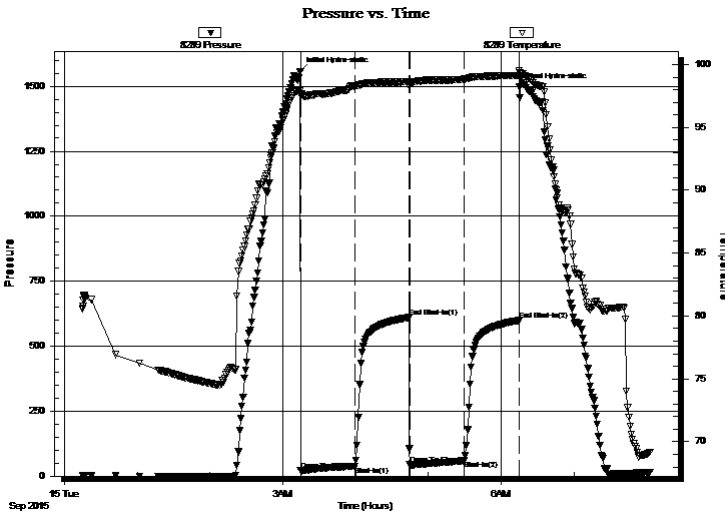
08:03:00

Time On Btm: 2015.09.15 @ 03:14:15

Time Off Btm: 2015.09.15 @ 06:15:00

**TEST COMMENT:** 45-IF- Surface Blow Building to 5 1/2"  
45-IS- No Blow  
45-FF- Surface Blow in 4 min. Building to 3 1/4"  
45-FS- No Blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1557.51	97.99	Initial Hydro-static
1	21.26	97.56	Open To Flow (1)
46	38.27	98.28	Shut-In(1)
90	610.35	98.63	End Shut-In(1)
91	43.71	98.46	Open To Flow (2)
135	59.05	98.83	Shut-In(2)
181	599.16	99.14	End Shut-In(2)
181	1496.46	99.53	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
93.00	WCM 35%w 65%m	1.30
0.00	Show of Oil in Tool	0.00

## Gas Rates

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







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Land And Energy LLC

**7-15s-16w Ellis,KS**

7277 Tenby Way  
Castle Pines CO 80108

**Vonfeldt #1**

Job Ticket: 61659

**DST#: 1**

ATTN: Lyle Herrman

Test Start: 2015.09.15 @ 00:15:00

## Tool Information

Drill Pipe:	Length: 3163.00 ft	Diameter: 3.80 inches	Volume: 44.37 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	44000.00 lb
			<u>Total Volume: 44.37 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	40000.00 lb
Depth to Top Packer:	3154.00 ft			Final	40000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	57.00 ft				
Tool Length:	78.00 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			3134.00	
Shut In Tool	5.00			3139.00	
Hydraulic tool	5.00			3144.00	
Packer	5.00			3149.00	21.00 Bottom Of Top Packer
Packer	5.00			3154.00	
Stubb	1.00			3155.00	
Recorder	0.00	8789	Inside	3155.00	
Recorder	0.00	8289	Outside	3155.00	
Perforations	20.00			3175.00	
Change Over Sub	1.00			3176.00	
Blank Spacing	31.00			3207.00	
Change Over Sub	1.00			3208.00	
Bullnose	3.00			3211.00	57.00 Bottom Packers & Anchor

**Total Tool Length: 78.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

American Land And Energy LLC

**7-15s-16w Ellis,KS**

7277 Tenby Way  
Castle Pines CO 80108

**Vonfeldt #1**

Job Ticket: 61659

**DST#: 1**

ATTN: Lyle Herrman

Test Start: 2015.09.15 @ 00:15:00

### 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:

24500 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.34 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
93.00	WCM 35%w 65%m	1.305
0.00	Show of Oil in Tool	0.000

Total Length: 93.00 ft

Total Volume: 1.305 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

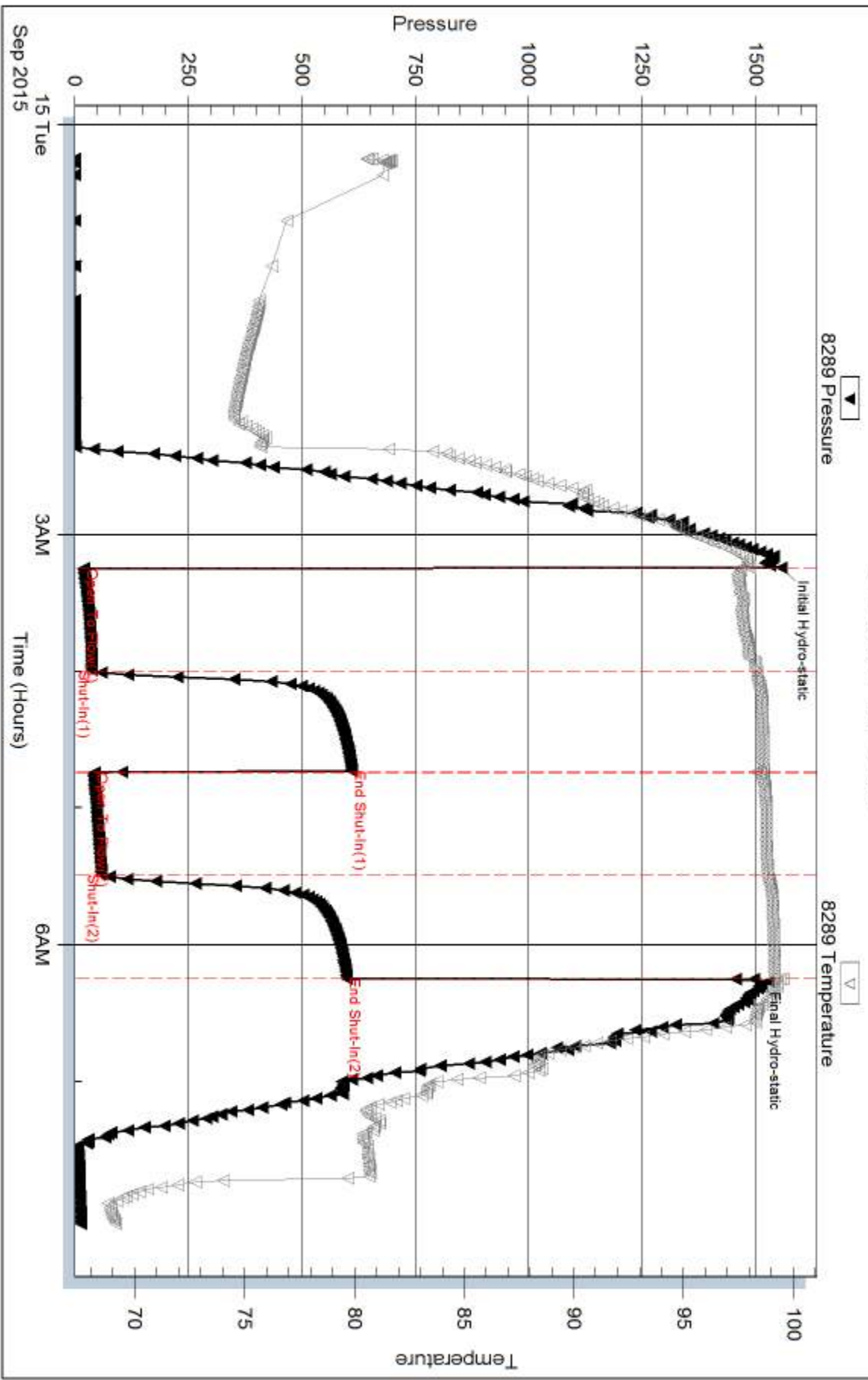
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .265 @ 73

### Pressure vs. Time



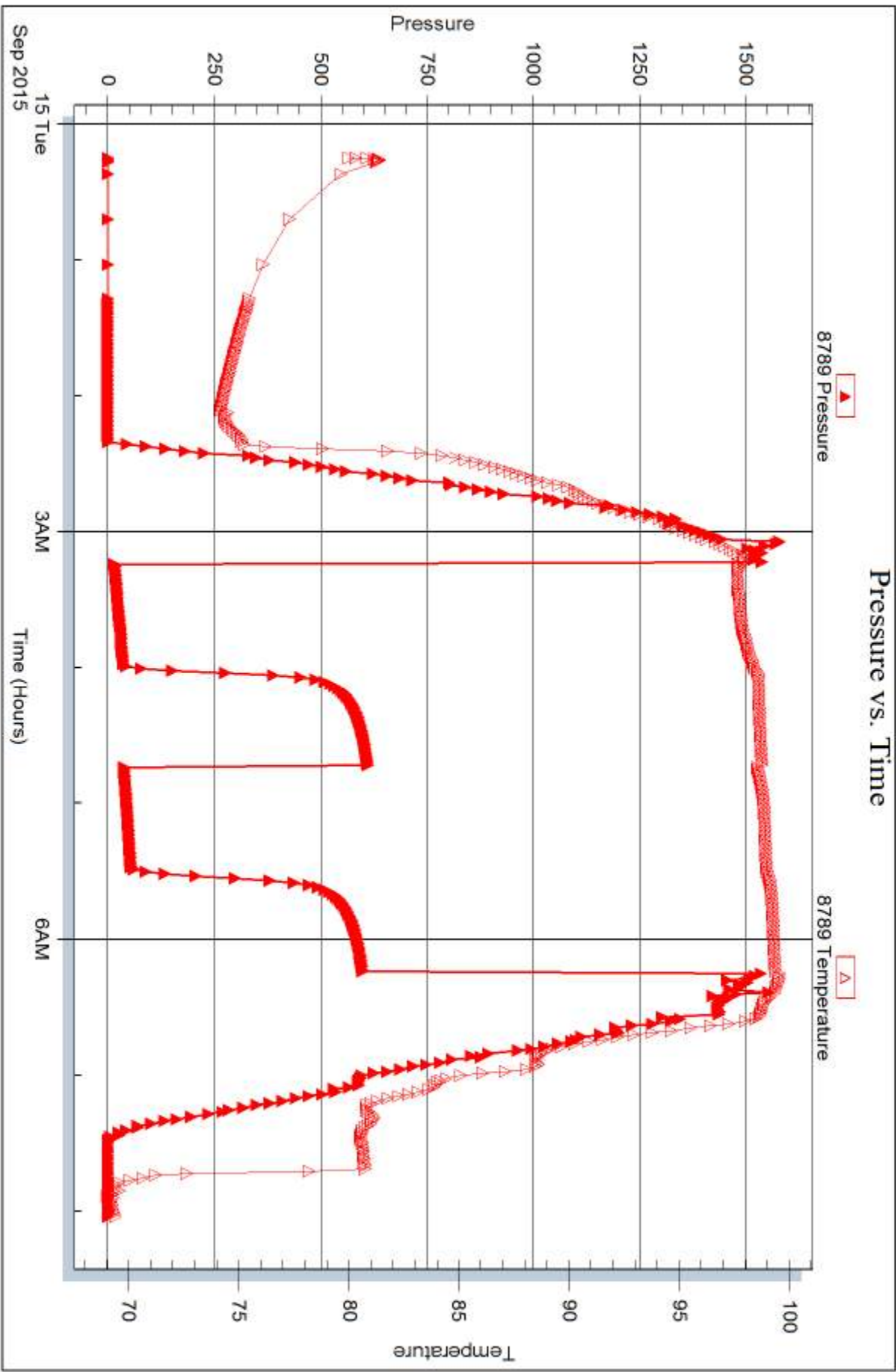
Serial #: 8789

Inside

American Land And Energy LLC

Vonfeldt #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 616559

Printed: 2015.09.17 @ 09:48:48



## DRILL STEM TEST REPORT

Prepared For: **American Land And Energy LLC**

7277 Tenby Way  
Castle Pines CO 80108

ATTN: Lyle Herrman

### **Vonfeldt #1**

#### **7-15s-16w Ellis,KS**

Start Date: 2015.09.15 @ 16:34:00

End Date: 2015.09.15 @ 21:22:00

Job Ticket #: 61660                      DST #: 2

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

Printed: 2015.09.17 @ 09:47:59



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

American Land And Energy LLC

**7-15s-16w Ellis,KS**

7277 Tenby Way  
Castle Pines CO 80108

**Vonfeldt #1**

Job Ticket: 61660

**DST#: 2**

ATTN: Lyle Herrman

Test Start: 2015.09.15 @ 16:34:00

## GENERAL INFORMATION:

Formation: **LKC " F - G "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:08:15

Time Test Ended: 21:22:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 76

**Interval: 3231.00 ft (KB) To 3280.00 ft (KB) (TVD)**

Reference Elevations: 1890.00 ft (KB)

Total Depth: 3280.00 ft (KB) (TVD)

1884.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 6.00 ft

**Serial #: 8289 Outside**

Press@RunDepth: 45.72 psig @ 3245.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.09.15

End Date:

2015.09.15

Last Calib.:

2015.09.15

Start Time: 16:34:02

End Time:

21:22:00

Time On Btm:

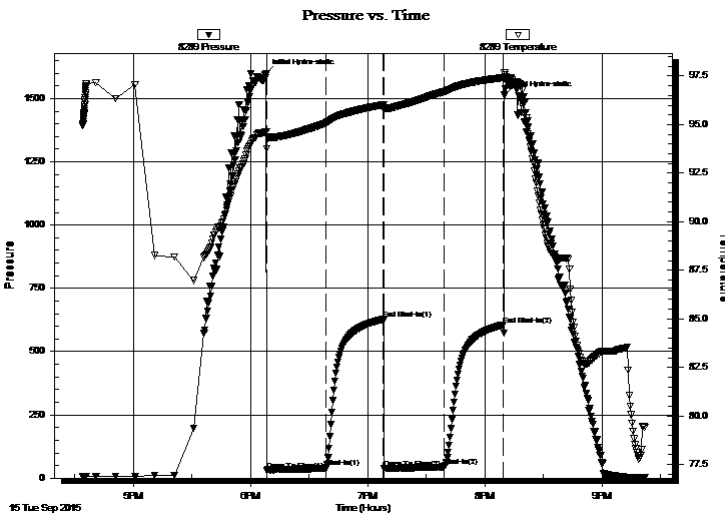
2015.09.15 @ 18:08:00

Time Off Btm:

2015.09.15 @ 20:10:00

**TEST COMMENT:** 30-IF- Surface Blow Building to 1/2" In 10 min.  
30-ISI- No Blow  
30-FF- Surface Blow in 17 min.  
30-FSI- No Blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1599.79	94.65	Initial Hydro-static
1	31.76	93.77	Open To Flow (1)
31	41.02	95.08	Shut-In(1)
60	628.47	96.02	End Shut-In(1)
61	39.35	95.77	Open To Flow (2)
92	45.72	96.69	Shut-In(2)
122	606.01	97.42	End Shut-In(2)
122	1513.01	97.68	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud 100% Show of Oil in Tool	0.42

\* Recovery from multiple tests

## Gas Rates

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







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Land And Energy LLC

**7-15s-16w Ellis,KS**

7277 Tenby Way  
Castle Pines CO 80108

**Vonfeldt #1**

Job Ticket: 61660

**DST#: 2**

ATTN: Lyle Herrman

Test Start: 2015.09.15 @ 16:34:00

## Tool Information

Drill Pipe:	Length: 3225.00 ft	Diameter: 3.80 inches	Volume: 45.24 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	44000.00 lb
			<u>Total Volume: 45.24 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial	42000.00 lb
Depth to Top Packer:	3231.00 ft			Final	42000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	49.00 ft				
Tool Length:	70.00 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			3211.00	
Shut In Tool	5.00			3216.00	
Hydraulic tool	5.00			3221.00	
Packer	5.00			3226.00	21.00 Bottom Of Top Packer
Packer	5.00			3231.00	
Stubb	1.00			3232.00	
Perforations	12.00			3244.00	
Change Over Sub	1.00			3245.00	
Recorder	0.00	8789	Inside	3245.00	
Recorder	0.00	8289	Outside	3245.00	
Blank Spacing	31.00			3276.00	
Change Over Sub	1.00			3277.00	
Bullnose	3.00			3280.00	49.00 Bottom Packers & Anchor

**Total Tool Length: 70.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

American Land And Energy LLC

**7-15s-16w Ellis,KS**

7277 Tenby Way  
Castle Pines CO 80108

**Vonfeldt #1**

Job Ticket: 61660

**DST#: 2**

ATTN: Lyle Herrman

Test Start: 2015.09.15 @ 16:34:00

### 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: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.77 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3300.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

#### Recovery Table

Length ft	Description	Volume bbl
30.00	Mud 100% Show of Oil in Tool	0.421

Total Length: 30.00 ft      Total Volume: 0.421 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

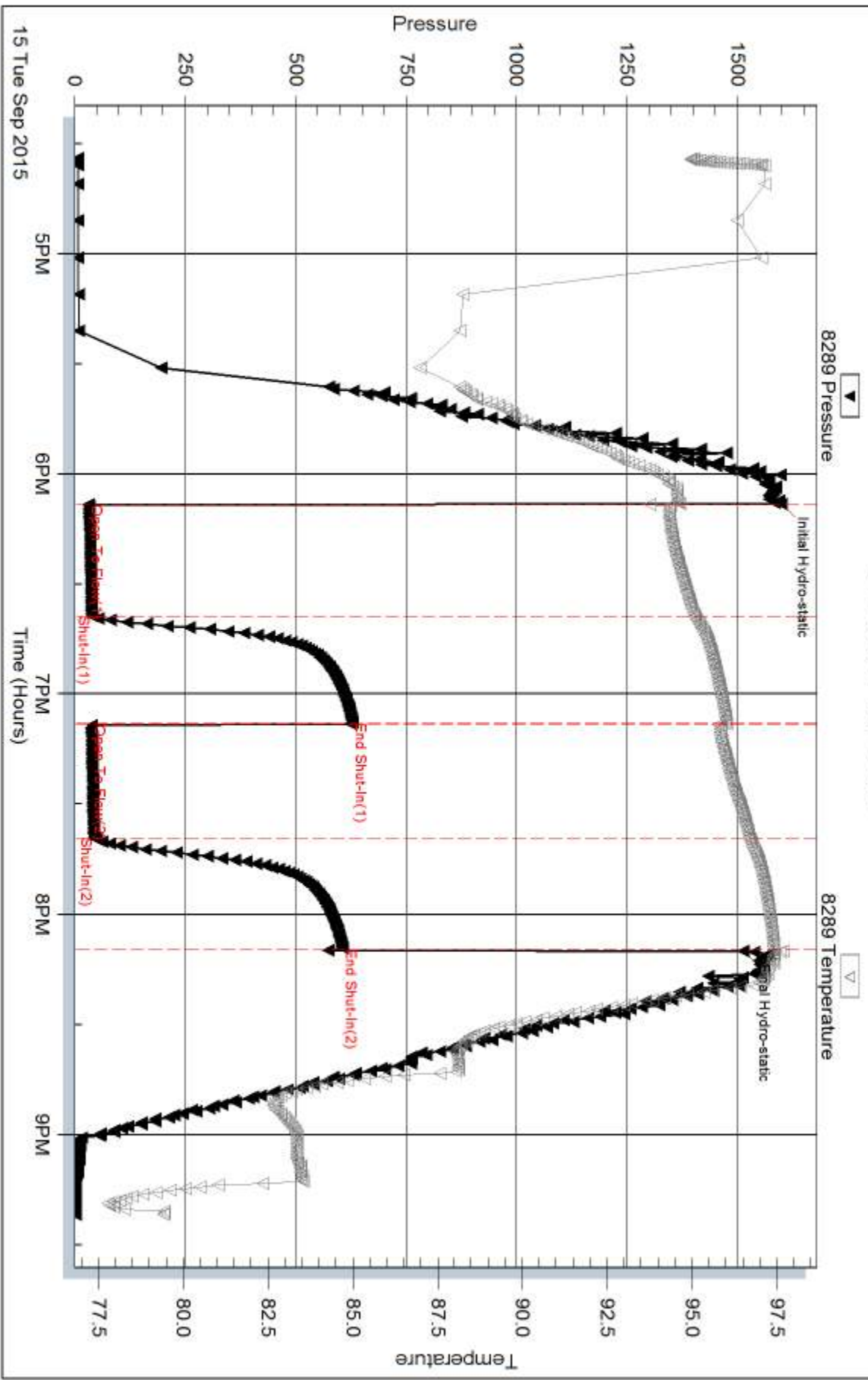
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time



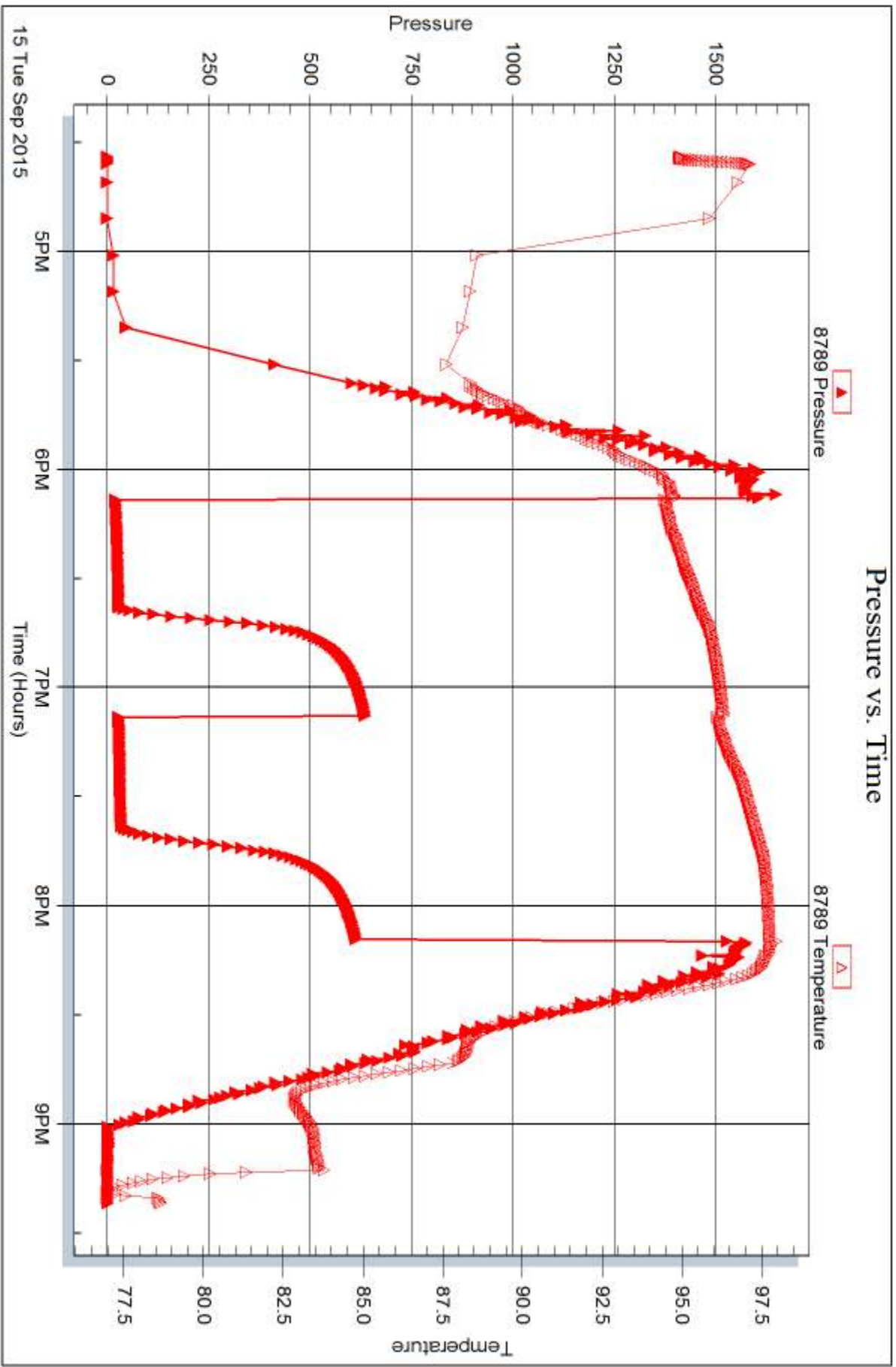
Serial #: 8789

Inside

American Land And Energy LLC

Vonfeldt #1

DST Test Number: 2





## DRILL STEM TEST REPORT

Prepared For: **American Land And Energy LLC**

7277 Tenby Way  
Castle Pines CO 80108

ATTN: Lyle Herrman

### **Vonfeldt #1**

### **7-15s-16w Ellis,KS**

Start Date: 2015.09.16 @ 16:25:00

End Date: 2015.09.16 @ 22:46:00

Job Ticket #: 61661                      DST #: 3

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

Printed: 2015.09.17 @ 09:47:41



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

American Land And Energy LLC

**7-15s-16w Ellis,KS**

7277 Tenby Way  
Castle Pines CO 80108

**Vonfeldt #1**

Job Ticket: 61661

**DST#: 3**

ATTN: Lyle Herrman

Test Start: 2015.09.16 @ 16:25:00

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:54:45

Time Test Ended: 22:46:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 76

**Interval: 3382.00 ft (KB) To 3480.00 ft (KB) (TVD)**

Reference Elevations: 1890.00 ft (KB)

Total Depth: 3480.00 ft (KB) (TVD)

1884.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 6.00 ft

**Serial #: 8289 Outside**

Press@RunDepth: 298.67 psig @ 3383.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.09.16

End Date:

2015.09.16

Last Calib.:

2015.09.16

Start Time: 16:25:02

End Time:

22:46:15

Time On Btm:

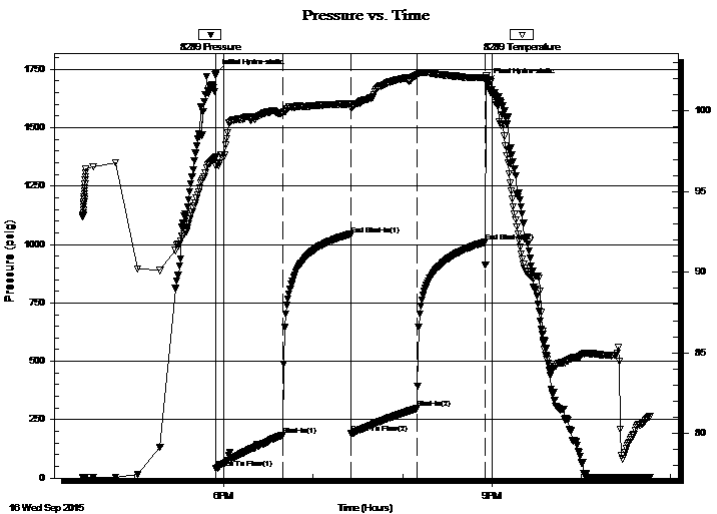
2015.09.16 @ 17:54:30

Time Off Btm:

2015.09.16 @ 20:56:30

**TEST COMMENT:** 45-IF- BOB in 9 min.  
45-ISI- No Blow  
45-FF- BOB in 14 min.  
45-FSI- No Blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1732.45	97.14	Initial Hydro-static
1	41.17	96.60	Open To Flow (1)
45	183.46	99.82	Shut-In(1)
91	1041.96	100.44	End Shut-In(1)
91	190.00	100.22	Open To Flow (2)
136	298.67	102.21	Shut-In(2)
181	1009.92	102.05	End Shut-In(2)
182	1692.55	102.20	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
189.00	OSMCW 20% m 80% w	2.65
252.00	OSMCW 50% m 50% w	3.53
159.00	OSWCM 5% w 95% m	2.23

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

American Land And Energy LLC

**7-15s-16w Ellis,KS**

7277 Tenby Way  
Castle Pines CO 80108

**Vonfeldt #1**

Job Ticket: 61661

**DST#: 3**

ATTN: Lyle Herrman

Test Start: 2015.09.16 @ 16:25:00

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:54:45

Time Test Ended: 22:46:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 76

**Interval: 3382.00 ft (KB) To 3480.00 ft (KB) (TVD)**

Reference Elevations: 1890.00 ft (KB)

Total Depth: 3480.00 ft (KB) (TVD)

1884.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 6.00 ft

**Serial #: 8789 Inside**

Press@RunDepth: psig @ 3383.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.09.16

End Date: 2015.09.16

Last Calib.: 2015.09.16

Start Time: 16:25:02

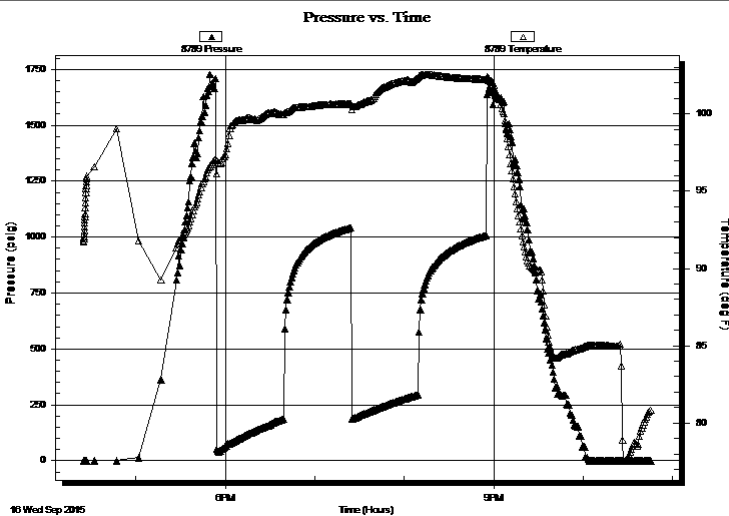
End Time: 22:45:45

Time On Btm:

Time Off Btm:

TEST COMMENT: 45-IF- BOB in 9 min.  
45-ISI- No Blow  
45-FF- BOB in 14 min.  
45-FSI- No Blow

## PRESSURE SUMMARY



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

## Recovery

Length (ft)	Description	Volume (bbl)
189.00	OSMCW 20%m 80%w	2.65
252.00	OSMCW 50%m 50%w	3.53
159.00	OSWCM 5%w 95%m	2.23

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Land And Energy LLC

**7-15s-16w Ellis,KS**

7277 Tenby Way  
Castle Pines CO 80108

**Vonfeldt #1**

Job Ticket: 61661

**DST#: 3**

ATTN: Lyle Herrman

Test Start: 2015.09.16 @ 16:25:00

## Tool Information

Drill Pipe:	Length: 3385.00 ft	Diameter: 3.80 inches	Volume: 47.48 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	50000.00 lb
			<u>Total Volume: 47.48 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial	45000.00 lb
Depth to Top Packer:	3382.00 ft			Final	47000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	98.00 ft				
Tool Length:	119.00 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			3362.00	
Shut In Tool	5.00			3367.00	
Hydraulic tool	5.00			3372.00	
Packer	5.00			3377.00	21.00 Bottom Of Top Packer
Packer	5.00			3382.00	
Stubb	1.00			3383.00	
Recorder	0.00	8789	Inside	3383.00	
Recorder	0.00	8289	Outside	3383.00	
Perforations	29.00			3412.00	
Change Over Sub	1.00			3413.00	
Blank Spacing	63.00			3476.00	
Change Over Sub	1.00			3477.00	
Bullnose	3.00			3480.00	98.00 Bottom Packers & Anchor

**Total Tool Length: 119.00**





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Land And Energy LLC

**7-15s-16w Ellis,KS**

7277 Tenby Way  
Castle Pines CO 80108

**Vonfeldt #1**

Job Ticket: 61661

**DST#: 3**

ATTN: Lyle Herrman

Test Start: 2015.09.16 @ 16:25:00

## 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:

30000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.50 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
189.00	OSMCW 20%m 80%w	2.651
252.00	OSMCW 50%m 50%w	3.535
159.00	OSWCM 5%w 95%m	2.230

Total Length: 600.00 ft      Total Volume: 8.416 bbl

Num Fluid Samples: 0

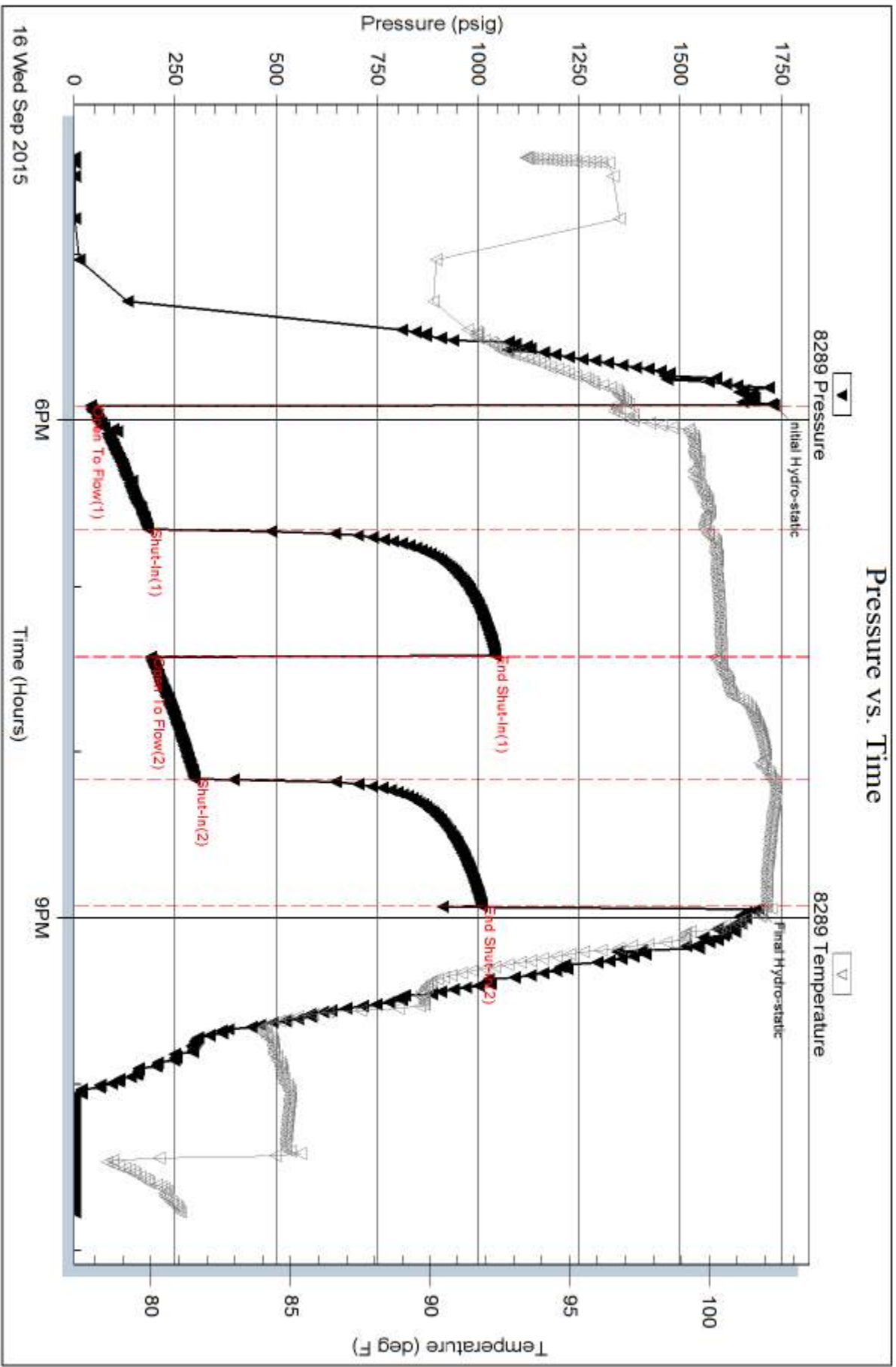
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .190 @ 85



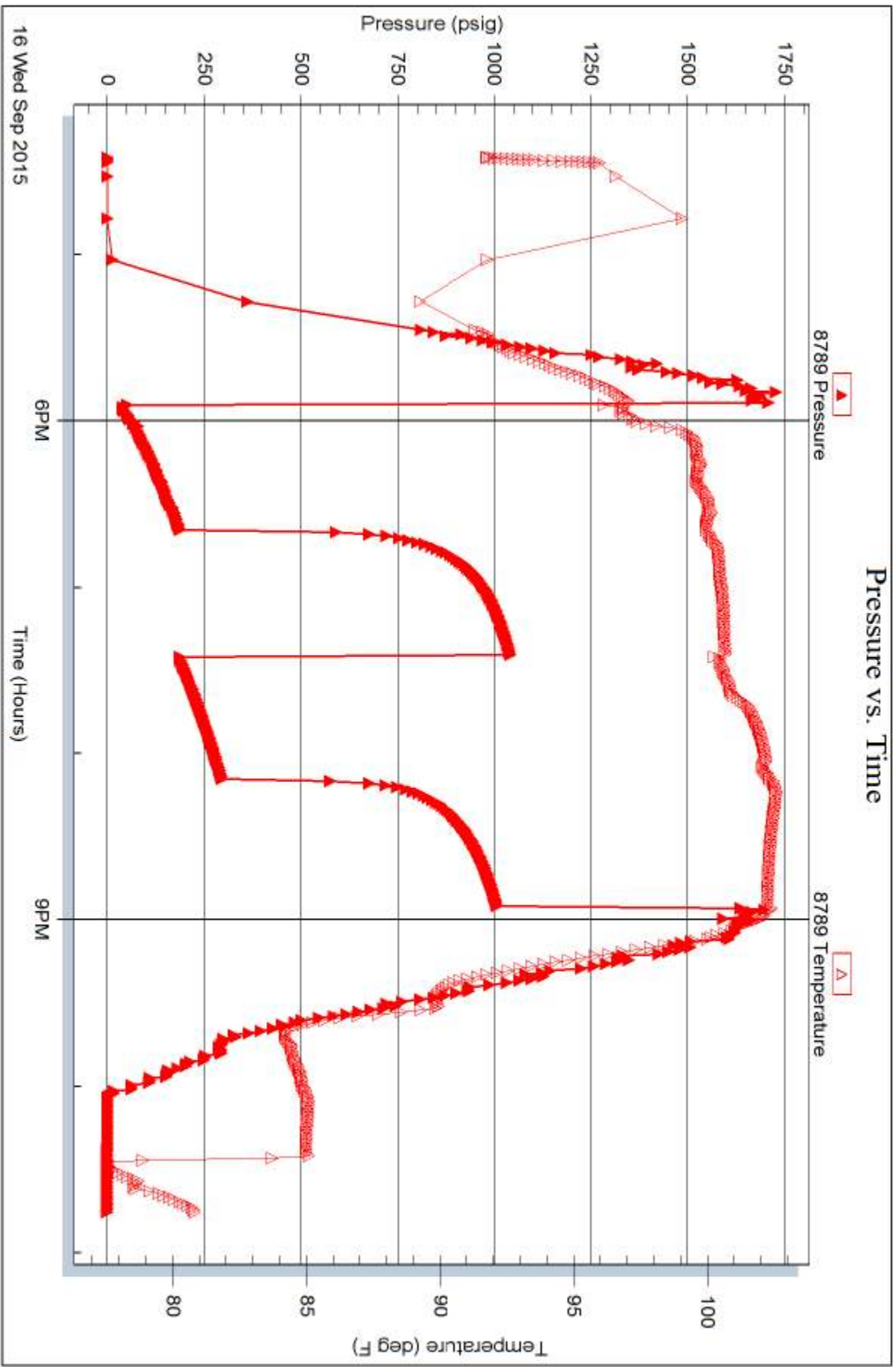
Serial #: 8789

Inside

American Land And Energy LLC

Vonfeldt #1

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 61661

Printed: 2015.09.17 @ 09:47:42



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 61659

Well Name & No. Vonfeldt #1 Test No. 1 Date 9-14-15  
 Company American Land and Energy LLC Elevation 1890 KB 1884 GL  
 Address 7277 Tenby Way Castle Pines Co. 80108  
 Co. Rep / Geo. Lyle Herrman Rig Royal #1  
 Location: Sec. 7 Twp. 15 S Rge. 16 W Co. Ellis State KS

Interval Tested 3154-3211 Zone Tested LKC "A-C"  
 Anchor Length 57 Drill Pipe Run 3163 Mud Wt. 8.9  
 Top Packer Depth 3149 Drill Collars Run 0 Vis 55  
 Bottom Packer Depth 3154 Wt. Pipe Run 0 WL 8.4  
 Total Depth 3211 Chlorides 2000 ppm System LCM 1

Blow Description IF - Surface Blow Building to 5 1/2 in.  
ISI - No Blow  
FF - Surface Blow in 4 min. Building to 3 1/4 in.  
FSI - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>93</u>	<u>WCM</u>			<u>35</u>	<u>65</u>
	<u>Show of Oil in Tool</u>				

Rec Total 93 BHT 99 Gravity 1050 API RW 265 @ 73 ° F Chlorides 24500 ppm

(A) Initial Hydrostatic 1557  Test 1050 T-On Location 21:17  
 (B) First Initial Flow 21  Jars \_\_\_\_\_ T-Started 00:15  
 (C) First Final Flow 38  Safety Joint \_\_\_\_\_ T-Open 03:14  
 (D) Initial Shut-In 610  Circ Sub \_\_\_\_\_ T-Pulled 06:14  
 (E) Second Initial Flow 43  Hourly Standby \_\_\_\_\_ T-Out 08:03  
 (F) Second Final Flow 59  Mileage 28 RT <sup>32</sup> Comments \_\_\_\_\_  
 (G) Final Shut-In 599  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1496  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Initial Open 45  Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Initial Shut-In 45  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Final Flow 45  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Final Shut-In 45  Day Standby \_\_\_\_\_ Total 1082  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1082

Approved By \_\_\_\_\_ Our Representative [Signature]  
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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 61660

Well Name & No. Vonfeldt #1 Test No. 2 Date 9-15-15  
 Company American Land And Energy LLC Elevation 1890 KB 1884 GL  
 Address 2277 Tenby Way Castle Pines CO. 80108  
 Co. Rep / Geo. Lyle Herrman Rig Royal #1  
 Location: Sec. 7 Twp. 15<sup>s</sup> Rge. 16<sup>w</sup> Co. Ellis State KS

Interval Tested 3231-3280 Zone Tested LKC "F&A"  
 Anchor Length 49 Drill Pipe Run 3225 Mud Wt. 9.1  
 Top Packer Depth 3226 Drill Collars Run 0 Vis 51  
 Bottom Packer Depth 3231 Wt. Pipe Run 0 WL 8.8  
 Total Depth 3280 Chlorides 3300 ppm System LCM 1

Blow Description IF - Surface Blow Building to 1/2 in. IN 10 min.  
ISI - No Blow  
FF - Surface Blow in 17 min.  
FSE - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>mud</u>			<u>100</u>	
	<u>Show of Oil in Tool</u>				

Rec Total 30 BHT 97 Gravity 1050 API RW @      °F Chlorides      ppm

(A) Initial Hydrostatic <u>1599</u>	<input checked="" type="checkbox"/> Test	T-On Location <u>15:58</u>
(B) First Initial Flow <u>31</u>	<input type="checkbox"/> Jars	T-Started <u>16:34</u>
(C) First Final Flow <u>41</u>	<input type="checkbox"/> Safety Joint	T-Open <u>18:08</u>
(D) Initial Shut-In <u>628</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>20:08</u>
(E) Second Initial Flow <u>39</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>21:22</u>
(F) Second Final Flow <u>45</u>	<input checked="" type="checkbox"/> Mileage <u>32</u>	Comments
(G) Final Shut-In <u>606</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1513</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>1082</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1082</u>	

Approved By \_\_\_\_\_ Our Representative [Signature]  
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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 61661

Well Name & No. Vonfeldt #1 Test No. 3 Date 9-16-15  
 Company American Land and Energy LLC Elevation 1890 KB 1884 GL  
 Address 7277 Tenby Way Castle Pines CO 80108  
 Co. Rep / Geo. Lyle Herriman Rig Royal #1  
 Location: Sec. 7 Twp. 15<sup>s</sup> Rge. 16<sup>w</sup> Co. Ellis State KS

Interval Tested 3382-3480 Zone Tested Arbuckle  
 Anchor Length 98 Drill Pipe Run 3385 Mud Wt. 9  
 Top Packer Depth 3377 Drill Collars Run 0 Vis 56  
 Bottom Packer Depth 3382 Wt. Pipe Run 0 WL 8  
 Total Depth 3480 Chlorides 5000 ppm System LCM 1.5

Blow Description IF - BOB in 9 min.  
ISI - No Blow  
FF - BOB in 14 min.  
FSI - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>189</u>	<u>Oil Speck MCW</u>		<u>80</u>	<u>20</u>	
<u>252</u>	<u>Oil Speck MCW</u>		<u>50</u>	<u>50</u>	
<u>159</u>	<u>Oil Speck WCM</u>		<u>5</u>	<u>95</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 600 BHT 102 Gravity 1.050 API RW 190 @ 85 °F Chlorides 30000 ppm

(A) Initial Hydrostatic 1732  Test 1050 T-On Location 15:56  
 (B) First Initial Flow 41  Jars T-Started 16:25  
 (C) First Final Flow 183  Safety Joint T-Open 17:55  
 (D) Initial Shut-In 1041  Circ Sub T-Pulled 20:55  
 (E) Second Initial Flow 190  Hourly Standby T-Out 22:46  
 (F) Second Final Flow 298  Mileage 32 Comments \_\_\_\_\_  
 (G) Final Shut-In 1009  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1692  Straddle \_\_\_\_\_

Initial Open 45  Shale Packer \_\_\_\_\_  
 Initial Shut-In 45  Ruined Packer \_\_\_\_\_  
 Final Flow 45  Extra Packer \_\_\_\_\_  
 Final Shut-In 45  Extra Recorder \_\_\_\_\_  
 Sub Total 0  
 Total 1082  
 MP/DST Disc't \_\_\_\_\_  
 Sub Total 1082

Approved By \_\_\_\_\_ Our Representative [Signature]

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