



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1069959  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic       Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
-----------------------------------	-----------------	---

API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

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

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

1069959

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

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)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
----------------	-------	---------	------------	---

Date of First, Resumed Production, SWD or ENHR.	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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
--	--	---



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Abercrombie Energy LLC

**11-15s-15w Russell**

10209 W Central  
Ste 2  
Wichita Ks 67212-4685  
ATTN: Mark Galyon

**Dietz 2-11**

Job Ticket: 46010

**DST#: 1**

Test Start: 2011.12.04 @ 16:00:54

## GENERAL INFORMATION:

Formation: **LKC "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:40:49

Time Test Ended: 21:23:48

Test Type: Conventional Bottom Hole (Initial)

Tester: Ray Schwager

Unit No: 42

**Interval: 2937.00 ft (KB) To 2985.00 ft (KB) (TVD)**

Reference Elevations: 1750.00 ft (KB)

Total Depth: 2985.00 ft (KB) (TVD)

1740.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

**Serial #: 6625**

**Inside**

Press @ Run Depth: 26.47 psig @ 2949.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.12.04

End Date:

2011.12.04

Last Calib.: 2011.12.04

Start Time: 16:00:54

End Time:

21:23:48

Time On Btm: 2011.12.04 @ 17:37:19

Time Off Btm: 2011.12.04 @ 19:46:19

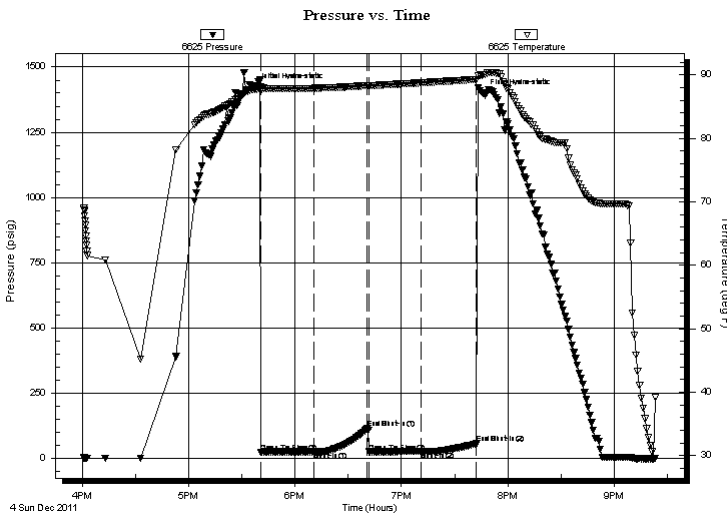
TEST COMMENT: 30-IFP-w k bl 1/4"bl

30-ISIP-no bl

30-FFP-no bl

30-FSIP-no bl

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1419.18	87.70	Initial Hydro-static
4	23.30	87.60	Open To Flow (1)
33	26.25	87.88	Shut-In(1)
64	116.98	88.29	End Shut-In(1)
65	25.50	88.29	Open To Flow (2)
94	26.47	88.75	Shut-In(2)
125	57.26	89.28	End Shut-In(2)
129	1397.38	89.99	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud	0.07

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Abercrombie Energy LLC

**11-15s-15w Russell**

10209 W Central  
Ste 2  
Wichita Ks 67212-4685  
ATTN: Mark Galyon

**Dietz 2-11**

Job Ticket: 46010

**DST#: 1**

Test Start: 2011.12.04 @ 16:00:54

## Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 51.00 sec/qt

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

Resistivity: ohm.m

Salinity: 3700.00 ppm

Filter Cake: 1.00 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
5.00	Mud	0.070

Total Length: 5.00 ft      Total Volume: 0.070 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

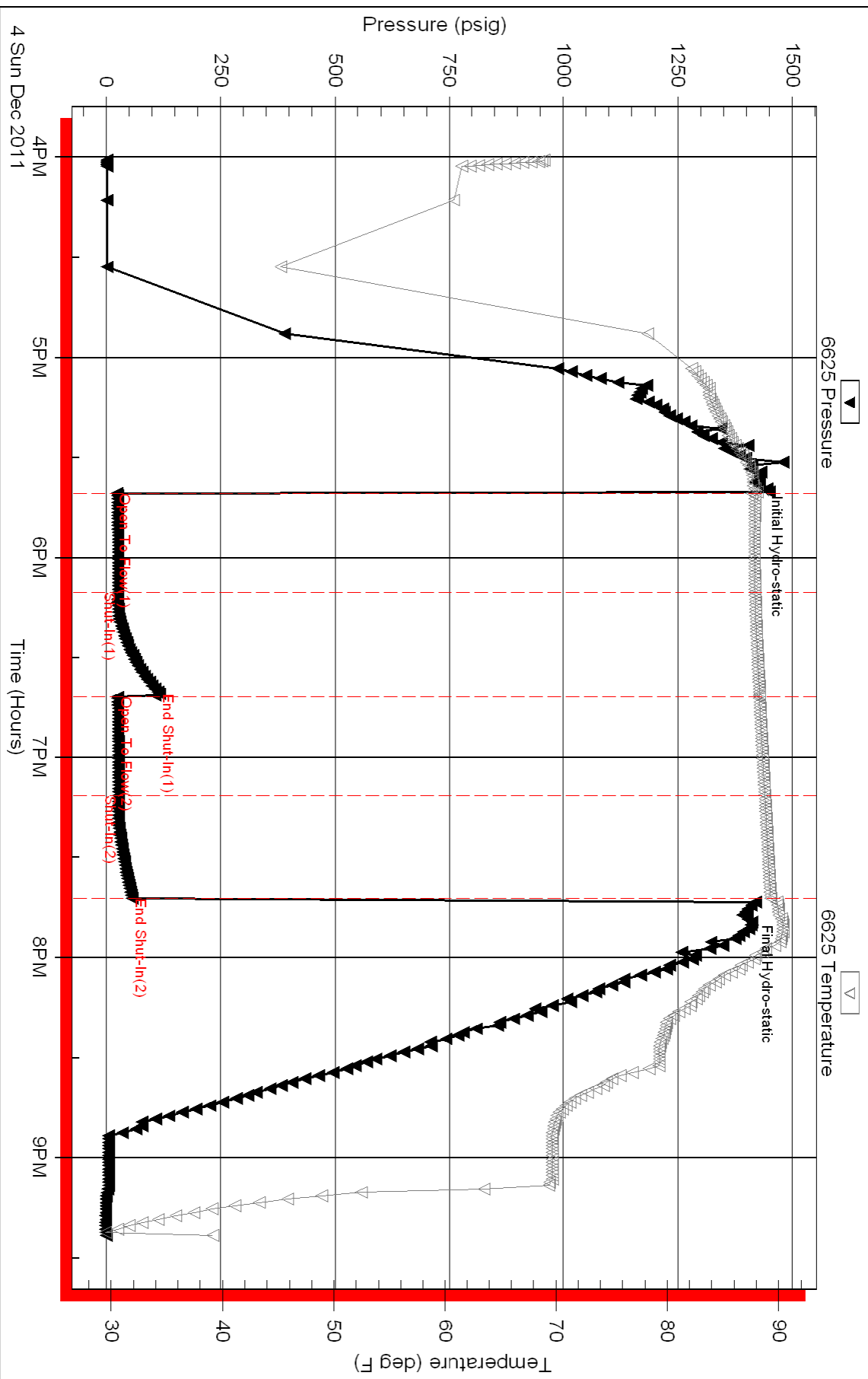
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Abercrombie Energy LLC

**11-15s-15w Russell**

10209 W Central  
Ste 2  
Wichita Ks 67212-4685  
ATTN: Mark Galyon

**Dietz 2-11**

Job Ticket: 46011

**DST#: 2**

Test Start: 2011.12.05 @ 18:05:30

## GENERAL INFORMATION:

Formation: **LKC E-G**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:42:25

Time Test Ended: 00:31:24

Test Type: Conventional Bottom Hole (Reset)

Tester: Ray Schwager

Unit No: 42

**Interval: 3025.00 ft (KB) To 3067.00 ft (KB) (TVD)**

Reference Elevations: 1750.00 ft (KB)

Total Depth: 3067.00 ft (KB) (TVD)

1740.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

**Serial #: 6625 Inside**

Press @ Run Depth: 47.34 psig @ 3032.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.12.05 End Date: 2011.12.06

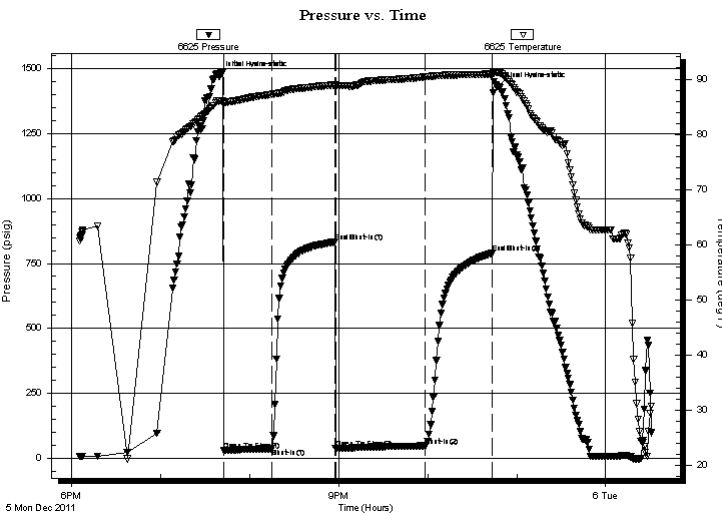
Last Calib.: 2011.12.06

Start Time: 18:05:30 End Time: 00:31:24

Time On Btm: 2011.12.05 @ 19:39:25

Time Off Btm: 2011.12.05 @ 22:47:24

**TEST COMMENT:** 30-IFP-w k bl 1/2" to 1 1/4" bl  
45-ISIP-no bl  
60-FFP-w k bl 1/4" bl  
45-FSIP-no bl



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1472.92	86.05	Initial Hydro-static
3	29.92	85.75	Open To Flow (1)
36	36.53	87.25	Shut-In(1)
78	832.44	88.92	End Shut-In(1)
79	36.68	88.67	Open To Flow (2)
139	47.34	90.40	Shut-In(2)
184	789.40	90.93	End Shut-In(2)
188	1430.94	91.21	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
55.00	Mud w /slight Show of oil	0.77

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Abercrombie Energy LLC

**11-15s-15w Russell**

10209 W Central  
Ste 2  
Wichita Ks 67212-4685  
ATTN: Mark Galyon

**Dietz 2-11**

Job Ticket: 46011

**DST#: 2**

Test Start: 2011.12.05 @ 18:05:30

## Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 53.00 sec/qt

Water Loss: 6.77 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 3900.00 ppm

Filter Cake: 1.00 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
55.00	Mud w /slight Show of oil	0.772

Total Length: 55.00 ft      Total Volume: 0.772 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

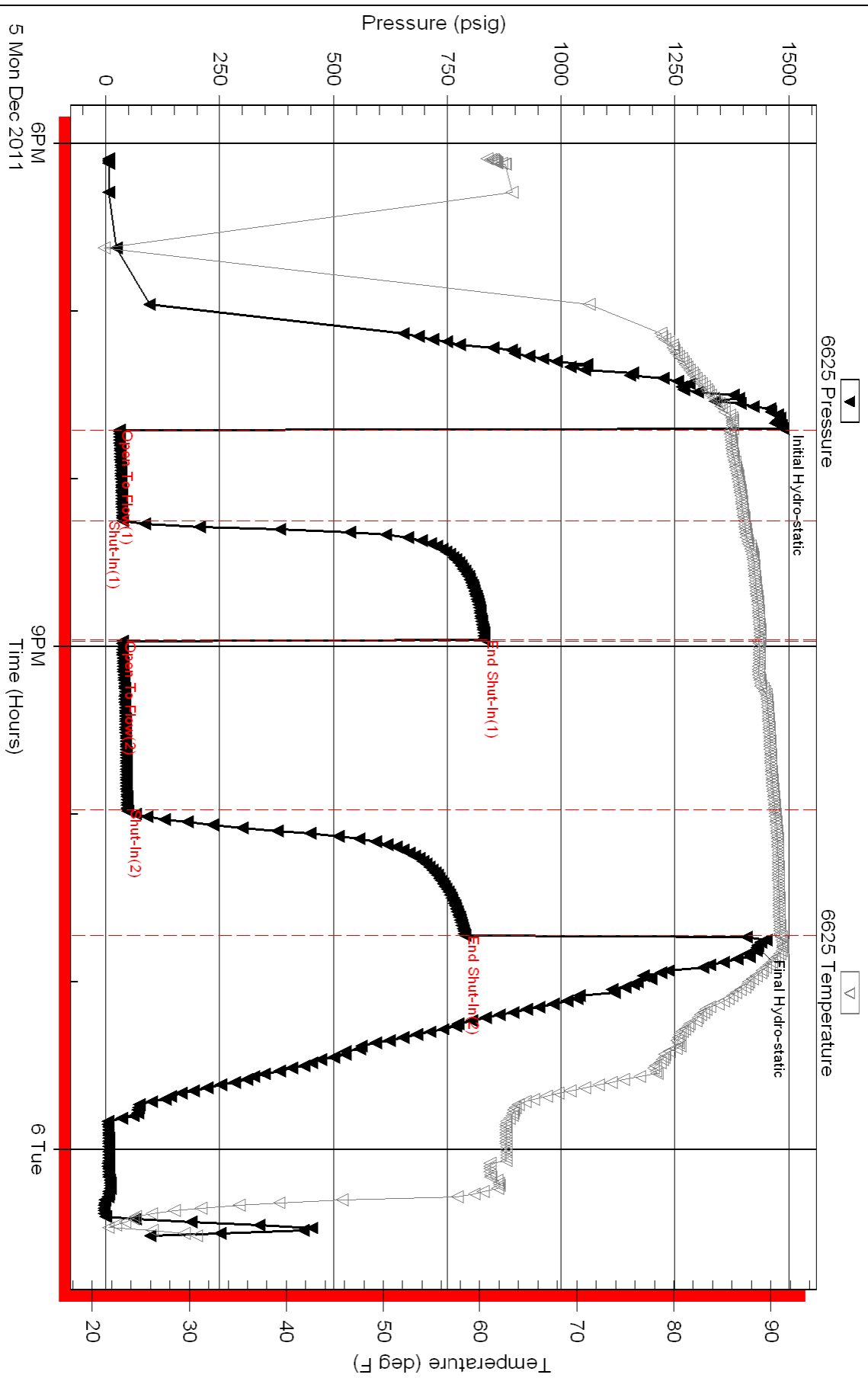
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time







**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Abercrombie Energy LLC

**11-15s-15w Russell**

10209 W Central  
Ste 2  
Wichita Ks 67212-4685  
ATTN: Mark Galyon

**Dietz 2-11**

Job Ticket: 46012

**DST#: 3**

Test Start: 2011.12.06 @ 13:20:52

## GENERAL INFORMATION:

Formation: **LKC I-J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:34:47

Time Test Ended: 19:23:16

Test Type: Conventional Bottom Hole (Reset)

Tester: Ray Schwager

Unit No: 42

**Interval: 3100.00 ft (KB) To 3144.00 ft (KB) (TVD)**

Total Depth: 3144.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 1750.00 ft (KB)

1740.00 ft (CF)

KB to GR/CF: 10.00 ft

**Serial #: 6625**

**Inside**

Press @ Run Depth: 79.43 psig @ 3108.00 ft (KB)

Start Date: 2011.12.06

End Date:

2011.12.06

Start Time: 13:20:52

End Time:

19:23:16

Capacity: 8000.00 psig

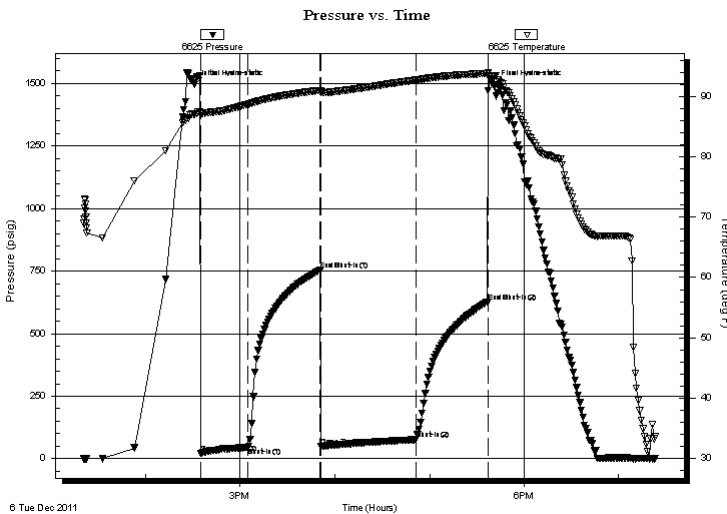
Last Calib.: 2011.12.06

Time On Btm: 2011.12.06 @ 14:31:17

Time Off Btm: 2011.12.06 @ 17:40:46

**TEST COMMENT:** 30-IFP-w k to a gd bl 1/2" to 6" bl  
45-ISIP-no bl  
60-FFP-w k bl 1/2" to 1" bl  
45-FSIP-no bl

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1496.68	87.11	Initial Hydro-static
4	22.21	87.09	Open To Flow (1)
34	46.53	88.72	Shut-In(1)
80	753.63	91.03	End Shut-In(1)
80	49.66	90.77	Open To Flow (2)
140	79.43	92.72	Shut-In(2)
186	627.39	93.83	End Shut-In(2)
190	1493.85	93.48	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	MW 20%M80%W w /show of oil	0.84
60.00	Water	0.84

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Abercrombie Energy LLC

**11-15s-15w Russell**

10209 W Central  
Ste 2  
Wichita Ks 67212-4685  
ATTN: Mark Galyon

**Dietz 2-11**

Job Ticket: 46012

**DST#: 3**

Test Start: 2011.12.06 @ 13:20:52

## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 54.00 sec/qt  
Water Loss: 7.20 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 3800.00 ppm  
Filter Cake: 1.00 inches

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

Oil API: deg API  
Water Salinity: 44000 ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	MW 20%M80%W w/show of oil	0.842
60.00	Water	0.842

Total Length: 120.00 ft      Total Volume: 1.684 bbl

Num Fluid Samples: 0

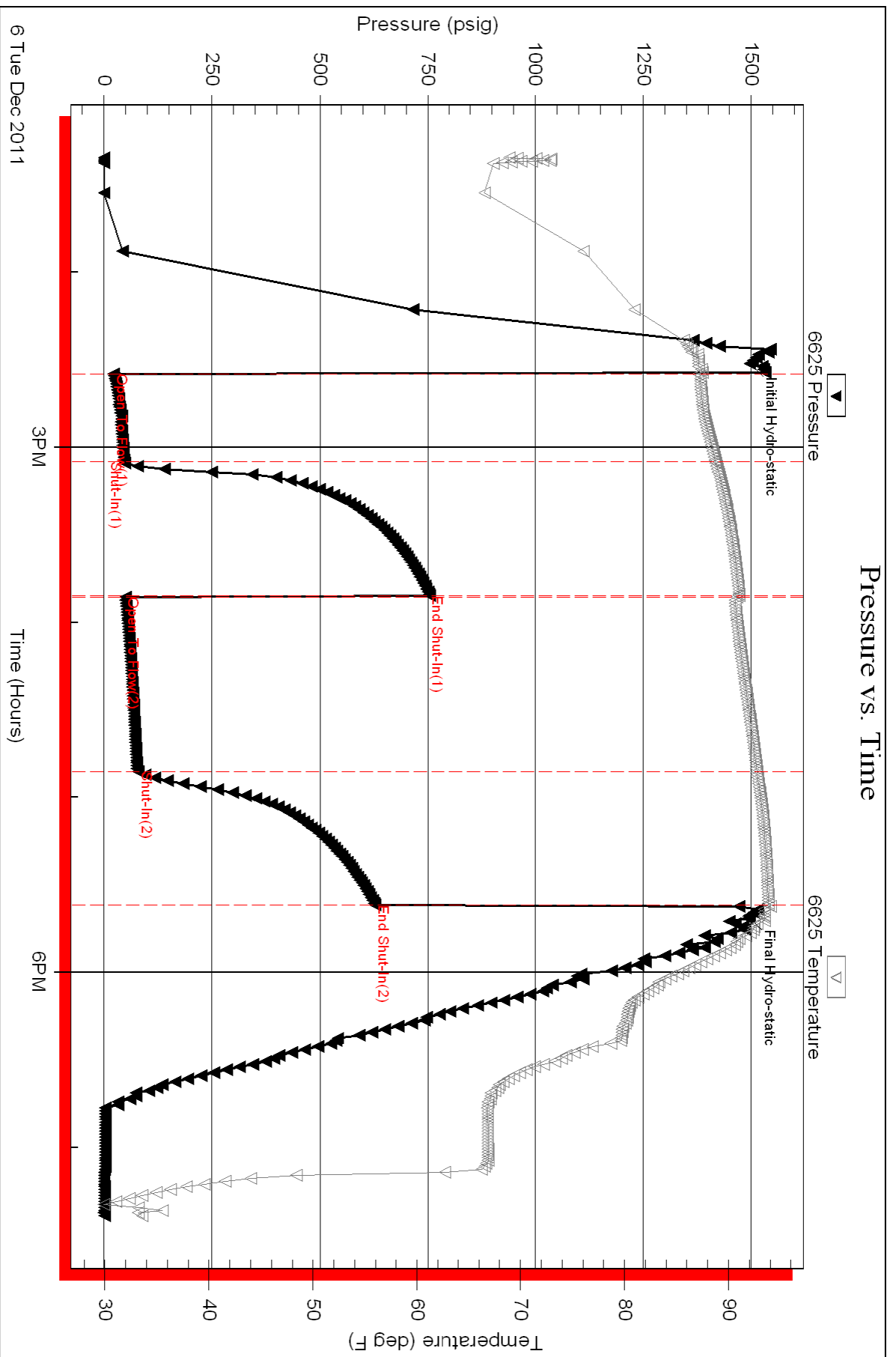
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW.24 @ 50F





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Abercrombie Energy LLC

**11-15s-15w Russell**

10209 W Central  
Ste 2  
Wichita Ks 67212-4685  
ATTN: Mark Galyon

**Dietz 2-11**

Job Ticket: 46013

**DST#: 4**

Test Start: 2011.12.07 @ 01:45:14

## GENERAL INFORMATION:

Formation: **LKC "K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:02:39

Time Test Ended: 08:44:38

Test Type: Conventional Bottom Hole (Reset)

Tester: Ray Schwager

Unit No: 42

**Interval: 3140.00 ft (KB) To 3162.00 ft (KB) (TVD)**

Total Depth: 3162.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 1750.00 ft (KB)

1740.00 ft (CF)

KB to GR/CF: 10.00 ft

**Serial #: 6625**

**Inside**

Press @ Run Depth: 65.49 psig @ 3141.00 ft (KB)

Start Date: 2011.12.07

End Date:

2011.12.07

Start Time: 01:45:14

End Time:

08:44:38

Capacity: 8000.00 psig

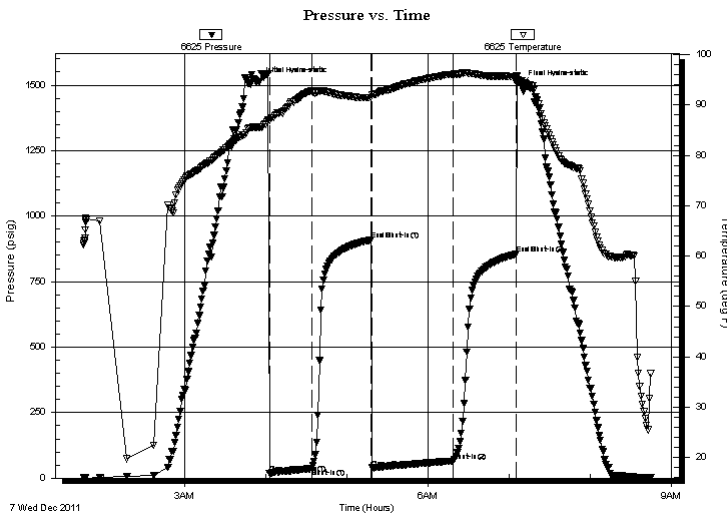
Last Calib.: 2011.12.07

Time On Btm: 2011.12.07 @ 03:54:39

Time Off Btm: 2011.12.07 @ 07:09:08

**TEST COMMENT:** 30-IFP-w k bl 1/2"to 1 1/2"bl  
45-ISIP-no bl  
60-FFP-w k bl 1/2"to 1 1/2"bl  
45-FSIP-no bl

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1513.49	85.60	Initial Hydro-static
8	17.26	86.95	Open To Flow (1)
39	37.32	92.84	Shut-In(1)
83	909.25	91.43	End Shut-In(1)
84	39.10	91.96	Open To Flow (2)
144	65.49	96.08	Shut-In(2)
191	855.54	95.64	End Shut-In(2)
195	1501.87	94.83	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
105.00	Water w/show of CO on top of fluid	1.47

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE**  
**TESTING, INC.**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Abercrombie Energy LLC

**11-15s-15w Russell**

10209 W Central  
Ste 2  
Wichita Ks 67212-4685  
ATTN: Mark Galyon

**Dietz 2-11**

Job Ticket: 46013

**DST#: 4**

Test Start: 2011.12.07 @ 01:45:14

### 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:

60000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3800.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
105.00	Water w/show of CO on top of fluid	1.473

Total Length: 105.00 ft      Total Volume: 1.473 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

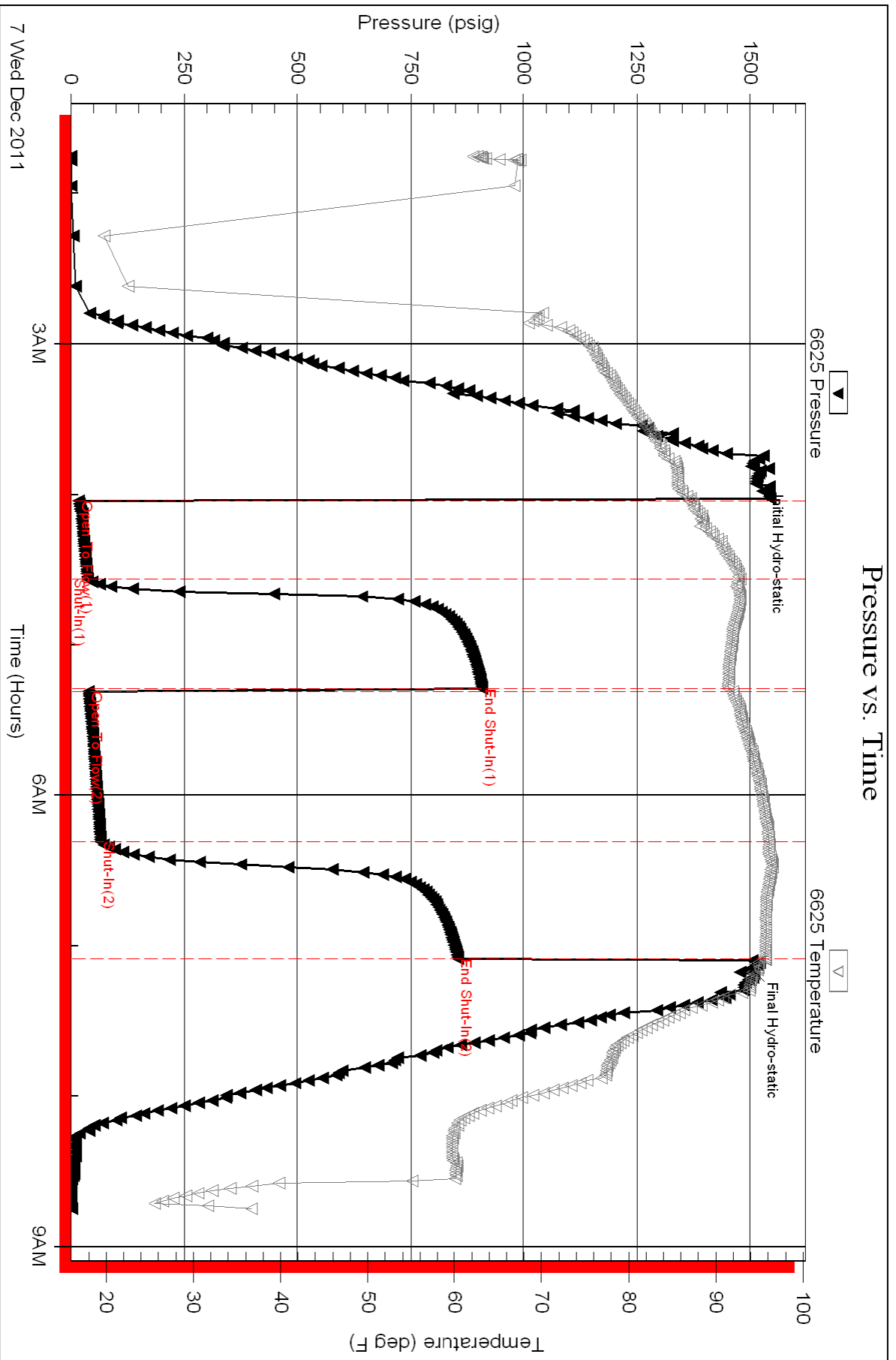
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .17@50F

# Pressure vs. Time





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Abercrombie Energy LLC

**11-15s-15w Russell**

10209 W Central  
Ste 2  
Wichita Ks 67212-4685  
ATTN: Mark Galyon

**Dietz 2-11**

Job Ticket: 46014

**DST#: 5**

Test Start: 2011.12.07 @ 21:15:06

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:16:31

Time Test Ended: 04:23:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Ray Schwager

Unit No: 42

**Interval: 3187.00 ft (KB) To 3237.00 ft (KB) (TVD)**

Reference Elevations: 1750.00 ft (KB)

Total Depth: 3237.00 ft (KB) (TVD)

1740.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

**Serial #: 6625 Inside**

Press @ Run Depth: 338.53 psig @ 3201.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.12.07

End Date:

2011.12.08

Last Calib.:

2011.12.08

Start Time: 21:15:06

End Time:

04:23:00

Time On Btm:

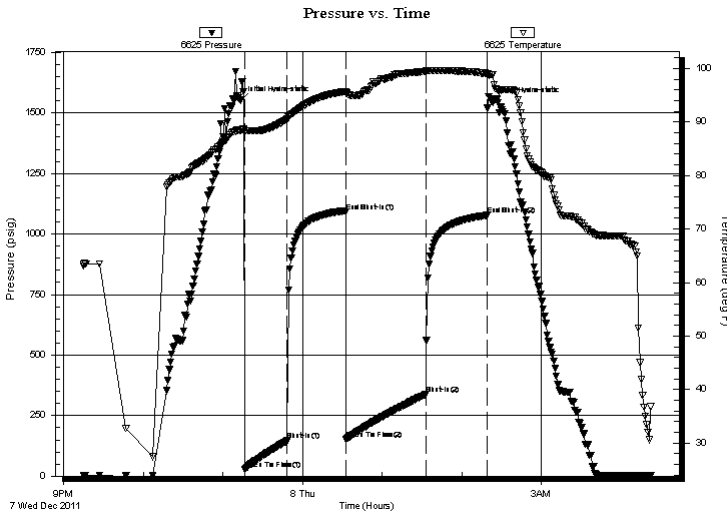
2011.12.07 @ 23:13:31

Time Off Btm:

2011.12.08 @ 02:23:00

**TEST COMMENT:** 30-IFP-w k to strg in 6min  
45-ISIP-no bl  
60-FFP-w k to strg in 30min  
45-FSIP-no bl

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1551.03	88.51	Initial Hydro-static
3	29.36	88.07	Open To Flow (1)
35	146.79	90.56	Shut-In(1)
79	1091.14	95.72	End Shut-In(1)
80	153.00	95.42	Open To Flow (2)
140	338.53	99.45	Shut-In(2)
186	1077.42	99.10	End Shut-In(2)
190	1546.42	98.92	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
190.00	MW 20%M80%W	2.67
500.00	Water	7.01

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Abercrombie Energy LLC

**11-15s-15w Russell**

10209 W Central  
Ste 2  
Wichita Ks 67212-4685  
ATTN: Mark Galyon

**Dietz 2-11**

Job Ticket: 46014

**DST#: 5**

Test Start: 2011.12.07 @ 21:15:06

## 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:

26000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
190.00	MW 20%M80%W	2.665
500.00	Water	7.014

Total Length: 690.00 ft      Total Volume: 9.679 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

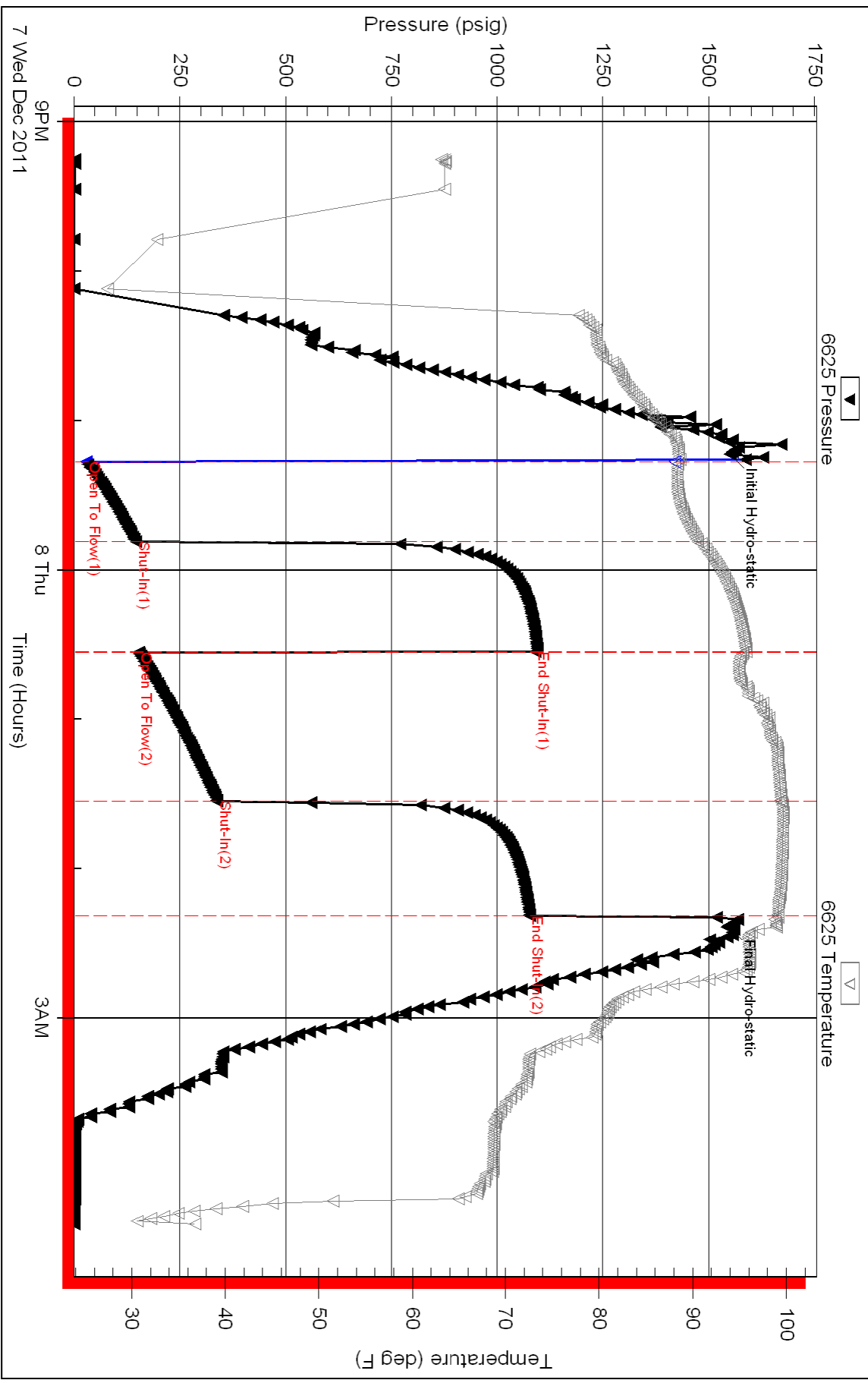
Laboratory Name:

Laboratory Location:

Recovery Comments: RW .28@65F



### Pressure vs. Time



Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Ward Loyd, Commissioner  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

December 09, 2011

Gary Misak  
Abercrombie Energy, LLC  
10209 W. CENTRAL, STE 2  
WICHITA, KS 67212

Re: ACO1  
API 15-167-23758-00-00  
DIETZ 2-11  
SE/4 Sec.11-15S-15W  
Russell County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
Gary Misak

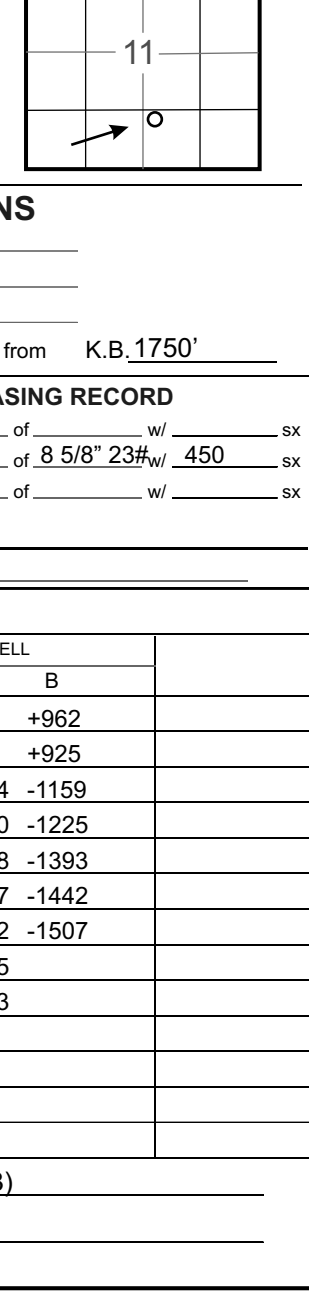
# GEOLOGICAL REPORT

## Larry A. Nicholson

COMPANY & WELL Abercrombie Energy, LLC Dietz #2-11  
LOCATION 1996' FEL 1168' FSL of Section  
SEC 11 COUNTY Russell STATE Kansas RGE 15W TWP 15S

COMPANY Abercrombie Energy, LLC.  
API # 15-167-23758 FIELD Wildcat  
LEASE Dietz NE NW SW SE approx WELL # 2-11  
SURVEY 1996' FEL 1168' FSL  
SECTION 11 TWP 15S RGE 15W  
COUNTY Russell STATE Kansas

ELEVATIONS  
K.B. 1750'  
D.F. 1740'  
G.L. 1740'  
All measurements from K.B. 1750'



CONTRACTOR - Val \_\_\_\_\_ Rig # 6  
SPUD 11/30/2011 9:30 pm COMP \_\_\_\_\_  
RTD 3280' 12/08/11 8:25 am LTD 3280'  
MUD TYPE \_\_\_\_\_  
MUD UP AT 2500'  
SAMPLES SAVED FROM 2600' TO TD  
DRILLING TIME FROM 2600' TO TD  
SAMPLES EXAMINED FROM 2600' TO TD  
GEOLOGICAL SUPERVISOR FROM 2600' TO TD  
WELLSITE GEOLOGIST LARRY A. NICHOLSON

ELECTRICAL SURVEYS Log-Tech Radiation guard

### FORMATION TOPS & STRUCTURAL POSITION

FORMATION	SAMPLE TOPS	SUBSEA DATUM	ELEC LOG TOPS	SURSEA DATUM	REFERENCE WELL	
Anhydrite	786	+964	784	+962	797 +965	793 +962
B/Anhydrite	821	+929	823	+927	834 +928	830 +925
Heebner	2910	-1160	2911	-1161	2922 -1160	2914 -1159
Lansing	2971	-1221	2972	-1219	2981 -1219	2980 -1225
Stark	3142	-1392	3144	-1394	3155 -1393	3148 -1393
BKC	3193	-1443	3194	-1444	3207 -1445	3197 -1442
Arbuckle	3223	-1473	3224	-1474	3248 -1486	3262 -1507
RTD	3280	-1530	3280	-1530	3300	3365
LTD			3280	-1530	3301	3363

REFERENCE WELLS  
A: Abercrombie Dietz #1-11 11-15S-15W 2270' FSL 2970' FWL (1762 KB)  
B: Imperial Oil Co. Dietz A#1 11-15S-15W SW SW SW (1755 KB)

### DRILL STEM TESTS

No.	Interval	IFP/Time	ISIP/Time	FFP/Time	FSIP/Time	IHH/FFH	Recovery
1	2937 to 2985 LKC "A"	30" 23-26 weak blow 1/4" to 1/2" blow	30" 116 No blow back	30" 25-26 No blow	30" 57 No blow back	IHP: 1419 FHP: 1397	Rec Total 5' Mud
2	3025 to 3067 LKC "E,F,G"	30" 29-36 weak blow 1/2" to 1 1/4" blow	45" 832 no blow back	36-47 weak blow 1/4" blow	45" 789 no blow back	IHP: 1472 FHP: 1430	Rec Total 55' M w/ show of oil
3	3100 to 3144 LCK "L"	30" 23-46 weak to gd blow 1/2" to 1" blow	45" 753 no blow back	49-79 weak blow 1/2" to 1" blow	45" 627 no blow back	IHP: 1496 FHP: 1453	Rec Total 120' 60' MW w/ show of oil 80%W, 20%M 60' water
4	3140 to 3162 LCK "K"	30" 17-37 weak blow 1/2" to 1 1/2" blow	45" 909 no blow back	39-65 weak blow 1/2" to 1 1/2" blow	45" 855 no blow back	IHP: 1513 FHP: 1501	Rec Total 105' 105' water w/ show of CO on top of fluid
5	3187 to 3237 Arbuckle	30" 29-146 weak blow to strong in 6"	45" 1091 no blow back	60-38 weak blow to strong in 30"	45" 1077 no blow back	IHP: 1551 FHP: 1546	Rec Total 690' 190' MW, 80%W, 20%M 500' W
6							
7							

Spud 9:30 PM 11-30-2011  
RTD 8:25 PM 12-08-2011

"BIT RECORD"  
1) 12 1/4" n/s Surf-920'  
2) 7 7/8" QX20 sur 124902  
3) 7 7/8" QX20 sur 5086133RR

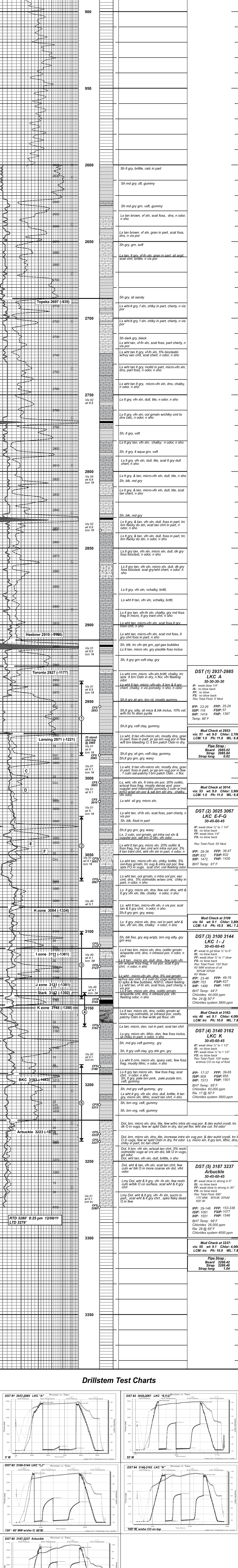
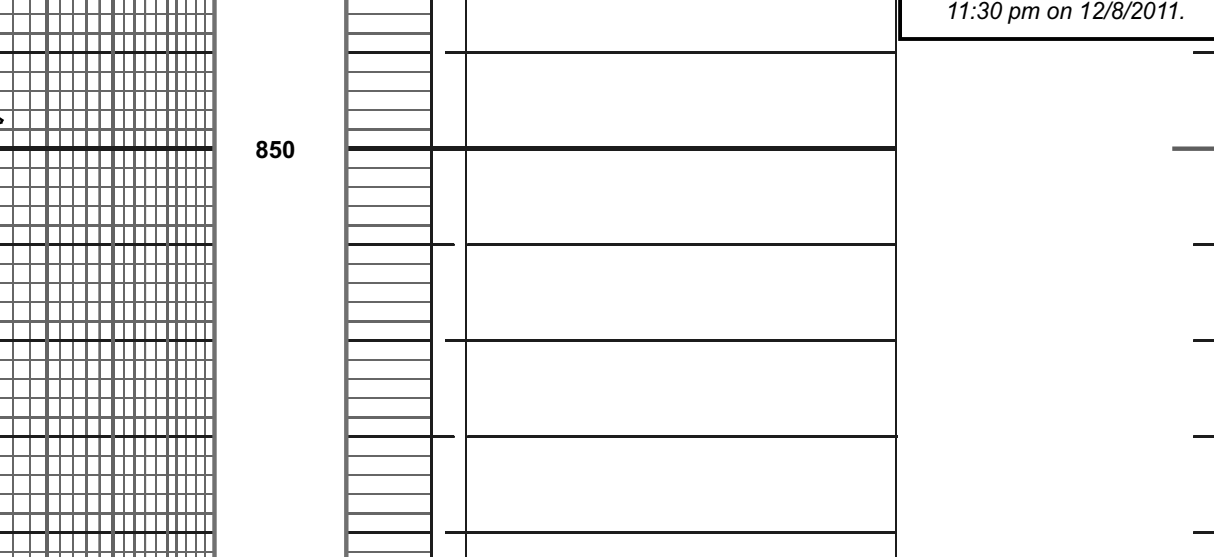
"VERTICAL SURVEYS"  
5' @ 820'  
1.0' @ 2985  
.75' @ 3280

"PUMP DATA"  
Ellis-Williams  
Stroke 15', Liner 6"

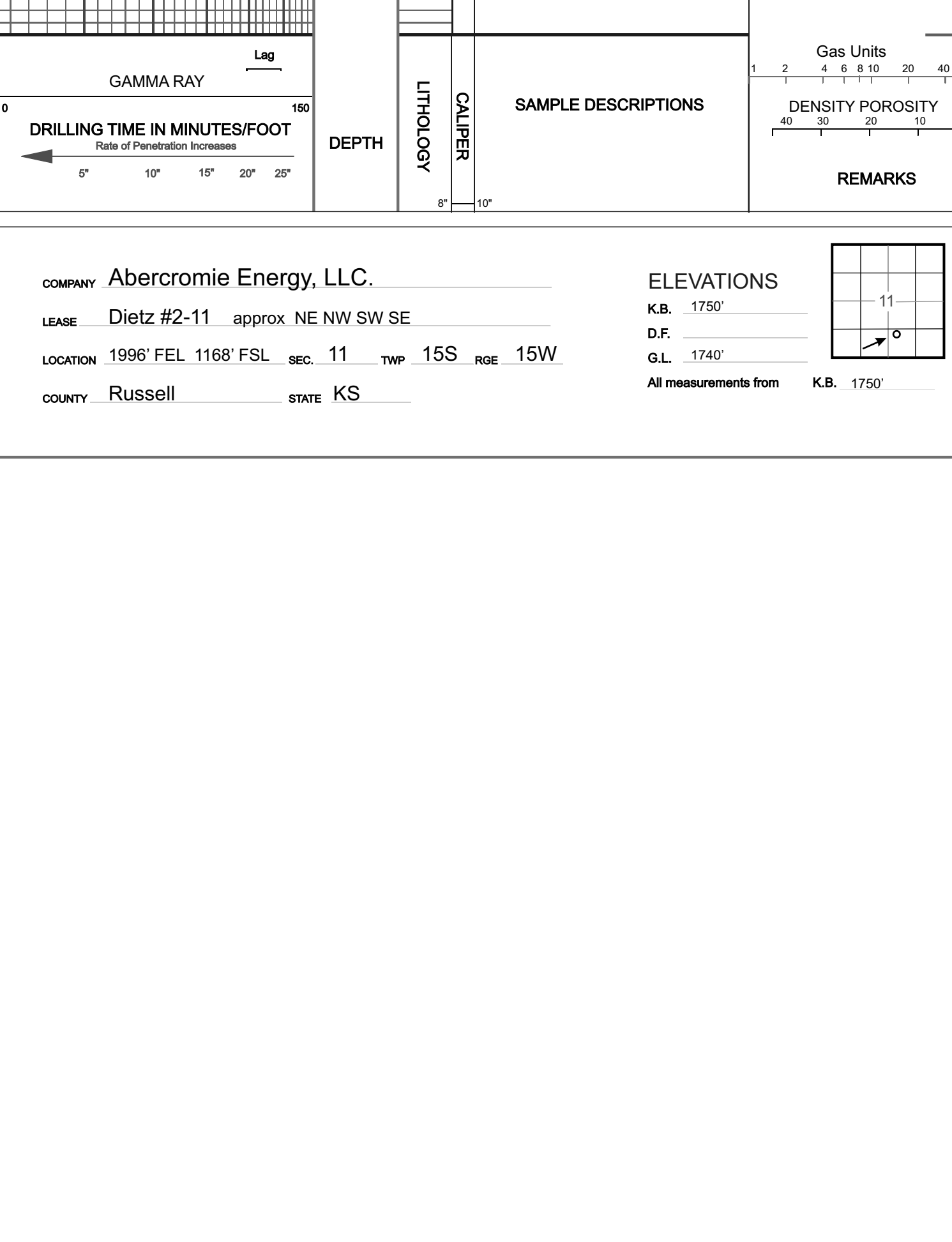
REMARKS & RECOMMENDATIONS:  
**Based on sample shows, dst results, well was P&A**

LAN 7/92, Modified 5/05, 11/11, Hanover, KS 66945 1inch = 25.4mm 8.5 x 9.75 216 mm x 2460 mm

### LEGEND



### Drillstem Test Charts



COMPANY Abercrombie Energy, LLC. ELEVATIONS  
LEASE Dietz #2-11 approx NE NW SW SE K.B. 1750'  
LOCATION 1996' FEL 1168' FSL SEC 11 TWP 15S RGE 15W D.F. 1740'  
COUNTY Russell STATE KS G.L. 1740'  
All measurements from K.B. 1750'



# ALLIED CEMENTING CO., LLC. 035183

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:

RUSSELL

DATE <u>12-8-11</u>	SEC <u>11</u>	TWP. <u>15 S</u>	RANGE <u>15 W</u>	CALLED OUT	ON LOCATION	JOB START <u>11:30 Am</u>	JOB FINISH <u>12:01 Am</u>
LEASE <u>DIETZ</u>	WELL # <u>2-11</u>	LOCATION <u>V.E.C. Russell, KS, SOUTH-WEST</u>			COUNTY <u>RUSSELL</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)				<u>SOUTH-EAST INTO</u>			

CONTRACTOR  
TYPE OF JOB PTA  
HOLE SIZE 7 7/8 T.D. 3210  
CASING SIZE 8 5/8 DEPTH 820  
TUBING SIZE DEPTH  
DRILL PIPE 4 1/2 DEPTH 3205  
TOOL DEPTH  
PRES. MAX MINIMUM  
MEAS. LINE SHOE JOINT  
CEMENT LEFT IN CSG.  
PERFS.  
DISPLACEMENT

OWNER

CEMENT  
AMOUNT ORDERED 190-60/40/4  
+ 1/4# FLO-SEAL

COMMON	@		
POZMIX	@		
GEL	<u>6.5</u>	@ <u>21.25</u>	<u>138.13</u>
CHLORIDE	@		
ASC	@		
<u>60/40</u>	<u>190</u>	@ <u>14.50</u>	<u>2755.00</u>
<u>FLO-SEAL</u>	<u>48#</u>	@ <u>2.70</u>	<u>129.60</u>
	@		
	@		
	@		
	@		
	@		
HANDLING	<u>198.5</u>	@ <u>2.25</u>	<u>446.63</u>
MILEAGE <u>15x198x.11</u>			<u>327.45</u>
			TOTAL <u>3796.81</u>

EQUIPMENT

PUMP TRUCK CEMENTER Bob Smith  
# 409 HELPER Todd  
BULK TRUCK  
# 378 DRIVER TONY  
BULK TRUCK  
# DRIVER

REMARKS:

SERVICE

DEPTH OF JOB	<u>3205</u>		
PUMP TRUCK CHARGE			<u>1250.00</u>
EXTRA FOOTAGE	@		
MILEAGE	<u>15</u>	@ <u>7.00</u>	<u>105.00</u>
MANIFOLD	@		
<u>Lot V mileage</u>	<u>15</u>	@ <u>4.00</u>	<u>60.00</u>
			TOTAL <u>1415.00</u>

*Abercrombie Energy*

CHARGE TO: ~~VAL ENERGY~~

STREET \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PLUG & FLOAT EQUIPMENT

<u>8 5/8 wooden plug</u>	<u>1</u>	@ <u>112.00</u>	<u>112.00</u>
	@		
	@		
	@		
	@		
			TOTAL <u>112.00</u>

To Allied Cementing Co., LLC.  
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.

SALES TAX (If Any) \_\_\_\_\_  
TOTAL CHARGES 5323.81  
DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

PRINTED NAME Randy D Martin

SIGNATURE Randy D Martin