



KANSAS CORPORATION COMMISSION 1108666  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

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
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or      Date Reached TD      Completion Date or  
Recompletion Date           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

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

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

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

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

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

Total 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**

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



1108666

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

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

**INSTRUCTIONS:** Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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:  Yes  No

Date of First, Resumed Production, SWD or ENHR. \_\_\_\_\_ Producing Method:  Flowing  Pumping  Gas Lift  Other (Explain) \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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<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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Evans Energy, LLC
Well Name	Angell 4-6
Doc ID	1108666

Tops

Name	Top	Datum
Chase	2748	
Council Grove Group	3062	
Base Heebner	4452	
Toronto	4466	
Lansing	4579	
Marmaton	5212	
Cherokee	5397	
Morrow FM	5696	
Chester FM	5744	
St. Genevieve	6069	
St. Louis	6132	



## DRILL STEM TEST REPORT

Prepared For: **Evans Energy. LLC**

PO Box 8  
Spivey, KS 67142

ATTN: Edwin Grieves

### **Angell #4-6**

#### **6-33s-29w Meade, KS**

Start Date: 2012.11.13 @ 06:33:00

End Date: 2012.11.13 @ 16:18:30

Job Ticket #: 49768                      DST #: 1

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

Printed: 2012.11.21 @ 10:59:28



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Evans Energy, LLC

**6-33s-29w Meade, KS**

PO Box 8  
Spivey, KS 67142

**Angell #4-6**

Job Ticket: 49768

**DST#: 1**

ATTN: Edw in Grieves

Test Start: 2012.11.13 @ 06:33:00

## GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:57:15

Time Test Ended: 16:18:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 53

**Interval: 5206.00 ft (KB) To 5226.00 ft (KB) (TVD)**

Reference Elevations: 2717.00 ft (KB)

Total Depth: 5226.00 ft (KB) (TVD)

2707.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8522 Outside**

Press @ Run Depth: 811.61 psig @ 5207.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.11.13

End Date: 2012.11.13

Last Calib.: 2012.11.13

Start Time: 06:33:05

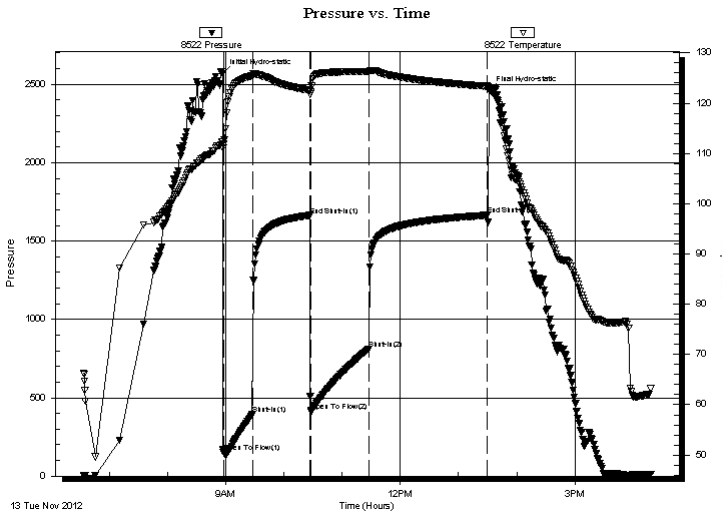
End Time: 16:18:30

Time On Btm: 2012.11.13 @ 08:56:45

Time Off Btm: 2012.11.13 @ 13:31:45

**TEST COMMENT:** IF: BOB @ 3 min.  
IS: No return.  
FF: BOB @ 5 min.  
FS: No return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2568.90	112.33	Initial Hydro-static
1	152.87	111.81	Open To Flow (1)
31	394.06	125.45	Shut-In(1)
90	1661.26	122.51	End Shut-In(1)
91	412.96	122.18	Open To Flow (2)
151	811.61	126.26	Shut-In(2)
273	1664.26	123.37	End Shut-In(2)
275	2462.68	122.94	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1510.00	smcw 3m 97w (oil spots on top and top)	21.18

## Gas Rates

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



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Evans Energy. LLC

**6-33s-29w Meade, KS**

PO Box 8  
Spivey, KS 67142

**Angell #4-6**

Job Ticket: 49768

**DST#: 1**

ATTN: Edw in Grieves

Test Start: 2012.11.13 @ 06:33:00

## GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:57:15

Time Test Ended: 16:18:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 53

**Interval: 5206.00 ft (KB) To 5226.00 ft (KB) (TVD)**

Reference Elevations: 2717.00 ft (KB)

Total Depth: 5226.00 ft (KB) (TVD)

2707.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8677 Inside**

Press @ Run Depth: psig @ 5207.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.11.13

End Date:

2012.11.13

Last Calib.:

2012.11.13

Start Time: 06:33:05

End Time:

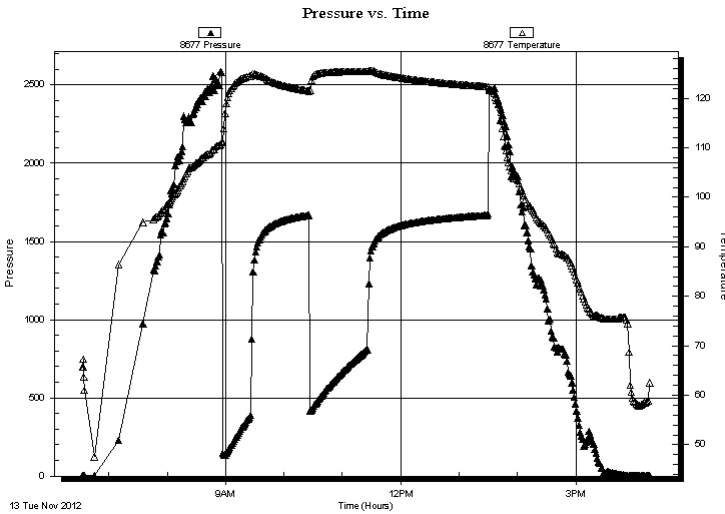
16:16:45

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: BOB @ 3 min.  
IS: No return.  
FF: BOB @ 5 min.  
FS: No return.

## PRESSURE SUMMARY



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

## Recovery

Length (ft)	Description	Volume (bbl)
1510.00	smcw 3m 97w (oil spots on top and tod)	21.18

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Evans Energy, LLC

**6-33s-29w Meade, KS**

PO Box 8  
Spivey, KS 67142

**Angell #4-6**

Job Ticket: 49768

**DST#: 1**

ATTN: Edw in Grieves

Test Start: 2012.11.13 @ 06:33:00

## Tool Information

Drill Pipe:	Length: 5198.00 ft	Diameter: 3.80 inches	Volume: 72.91 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 94000.00 lb
			<u>Total Volume: 72.91 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	5206.00 ft			Final 81000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	48.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			5179.00	
Shut In Tool	5.00			5184.00	
Hydraulic tool	5.00			5189.00	
Jars	5.00			5194.00	
Safety Joint	2.00			5196.00	
Change Over Sub	1.00			5197.00	
Packer	5.00			5202.00	28.00 Bottom Of Top Packer
Packer	4.00			5206.00	
Stubb	1.00			5207.00	
Recorder	0.00	8677	Inside	5207.00	
Recorder	0.00	8522	Outside	5207.00	
Perforations	16.00			5223.00	
Bullnose	3.00			5226.00	20.00 Bottom Packers & Anchor

**Total Tool Length: 48.00**



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Evans Energy. LLC

**6-33s-29w Meade, KS**

PO Box 8  
Spivey, KS 67142

**Angell #4-6**

Job Ticket: 49768

**DST#: 1**

ATTN: Edw in Grieves

Test Start: 2012.11.13 @ 06:33:00

**Mud and Cushion Information**

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

155000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4600.00 ppm

Filter Cake: 1.00 inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
1510.00	smcw 3m 97w (oil spots on top and tool)	21.181

Total Length: 1510.00 ft      Total Volume: 21.181 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

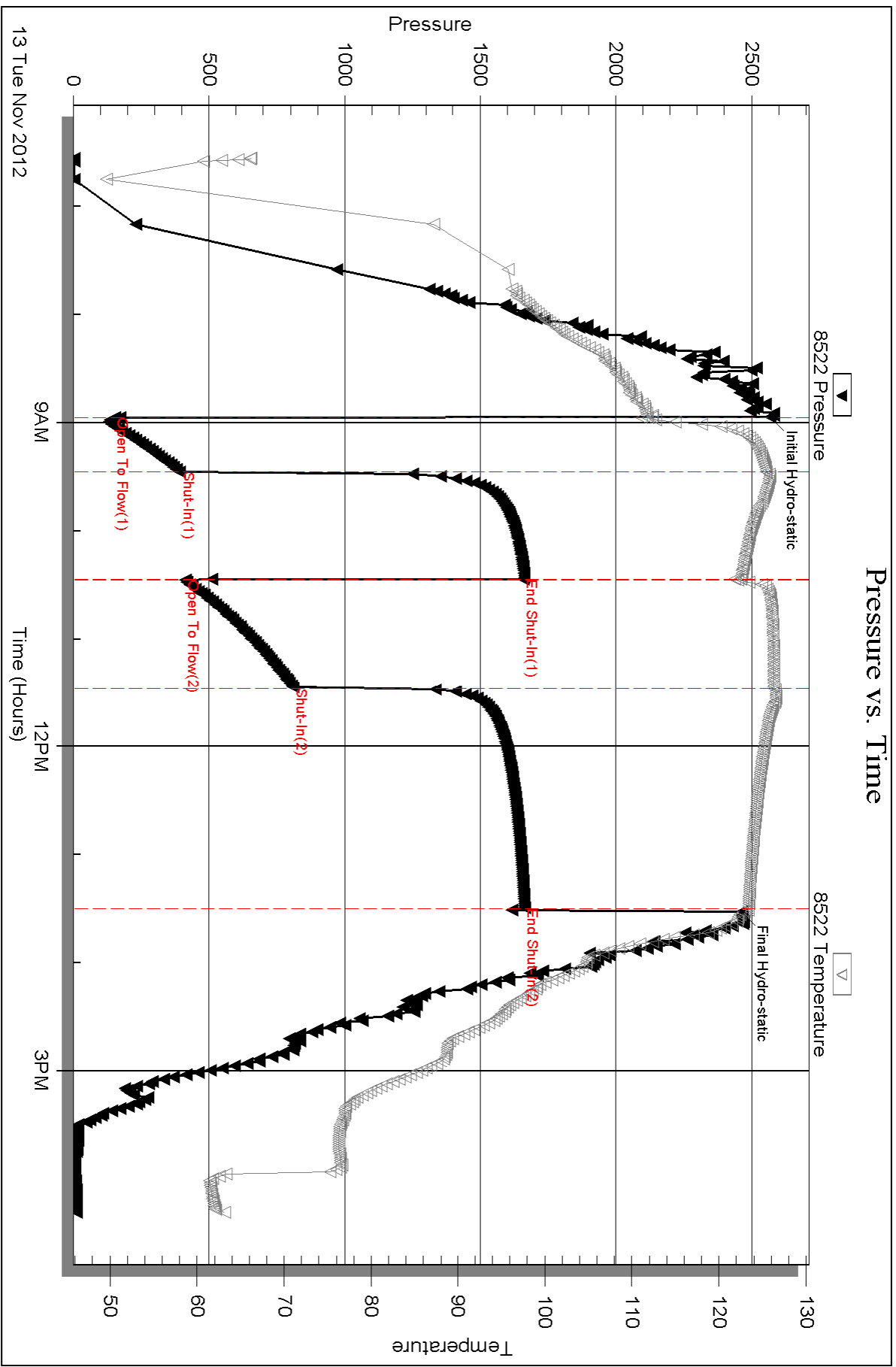
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .065 @ 63f = 155,000ppm





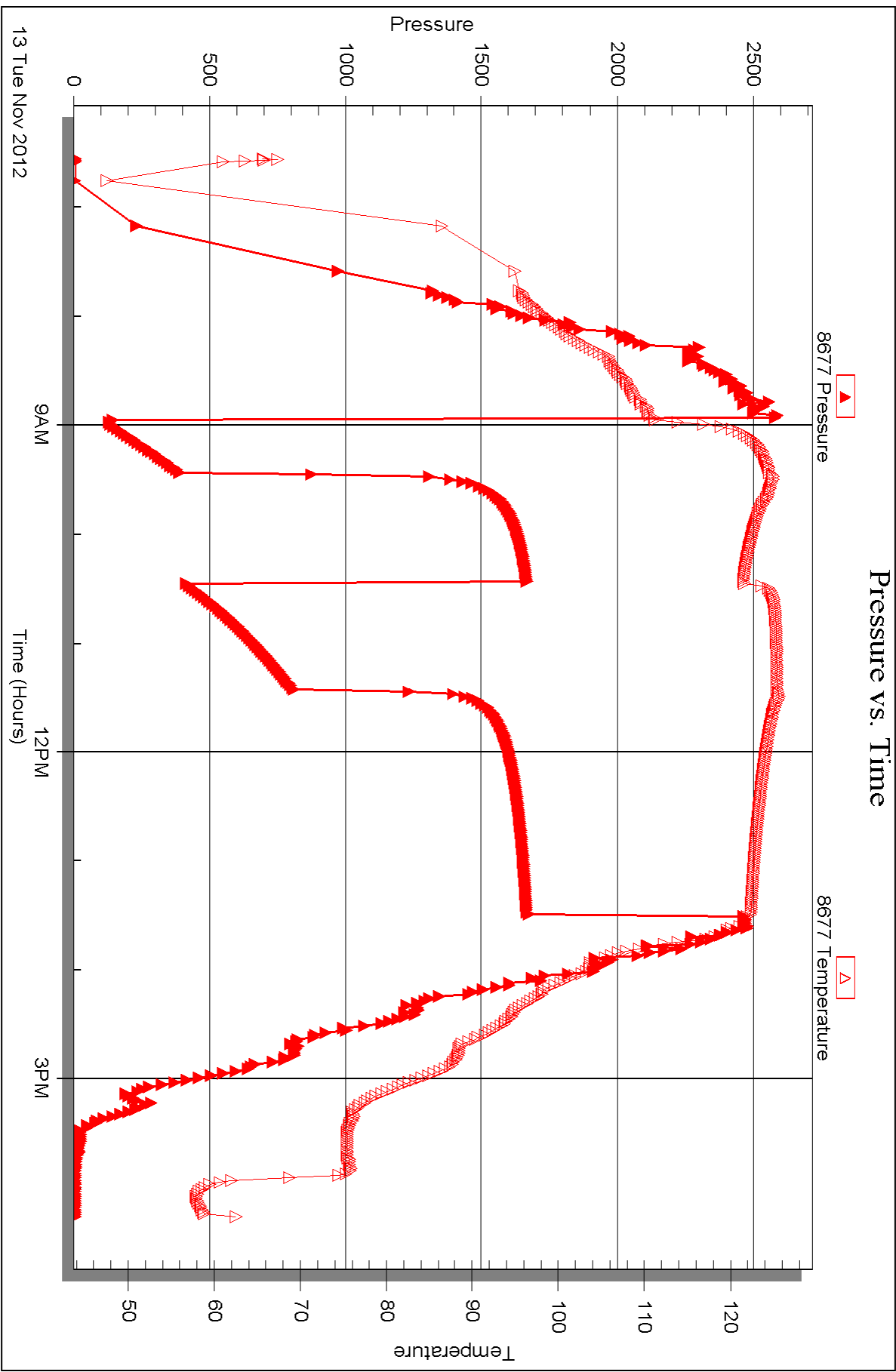
Serial #: 8677

Inside

Evans Energy, LLC

Angell #4-6

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **Evans Energy. LLC**

PO Box 8  
Spivey, KS 67142

ATTN: Edwin Grieves

### **Angell #4-6**

#### **6-33s-29w Meade, KS**

Start Date: 2012.11.15 @ 19:43:14

End Date: 2012.11.16 @ 05:04:59

Job Ticket #: 49634                      DST #: 2

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

Printed: 2012.11.21 @ 10:56:42



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Evans Energy, LLC

**6-33s-29w Meade, KS**

PO Box 8  
Spivey, KS 67142

**Angell #4-6**

Job Ticket: 49634

**DST#: 2**

ATTN: Edw in Grieves

Test Start: 2012.11.15 @ 19:43:14

## GENERAL INFORMATION:

Formation: **Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:28:44

Time Test Ended: 05:04:59

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 45

**Interval: 5692.00 ft (KB) To 5741.00 ft (KB) (TVD)**

Reference Elevations: 2717.00 ft (KB)

Total Depth: 5741.00 ft (KB) (TVD)

2707.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

## Serial #: 6798

Inside

Press @ Run Depth: 57.51 psig @ 5693.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.11.15

End Date:

2012.11.16

Last Calib.:

2012.11.16

Start Time:

19:43:15

End Time:

05:04:59

Time On Btm:

2012.11.15 @ 22:25:59

Time Off Btm:

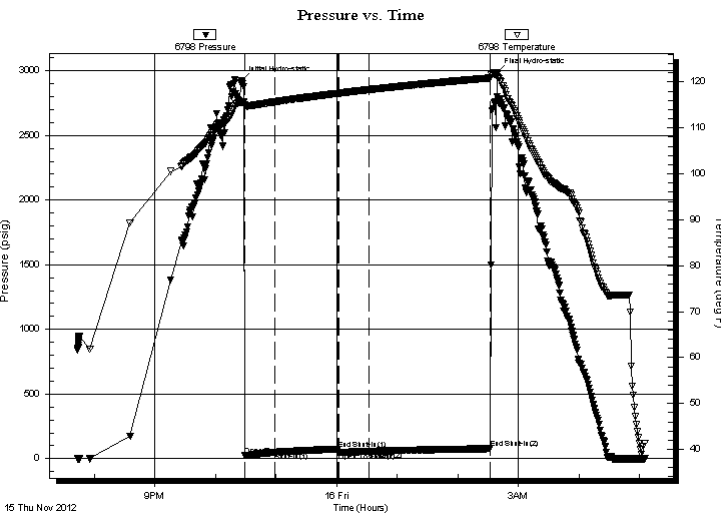
2012.11.16 @ 02:38:29

TEST COMMENT: IF: Weak Blow Built to 3/4 inch

IS: No Blow Back

FF: No Blow

FS: No Blow Back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2925.58	115.57	Initial Hydro-static
3	24.23	114.95	Open To Flow (1)
33	47.74	115.67	Shut-In(1)
96	76.11	117.56	End Shut-In(1)
96	47.08	117.56	Open To Flow (2)
126	57.51	118.33	Shut-In(2)
246	78.75	120.88	End Shut-In(2)
253	2986.97	121.66	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud	0.14

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Evans Energy, LLC

**6-33s-29w Meade, KS**

PO Box 8  
Spivey, KS 67142

**Angell #4-6**

Job Ticket: 49634

**DST#: 2**

ATTN: Edw in Grieves

Test Start: 2012.11.15 @ 19:43:14

## GENERAL INFORMATION:

Formation: **Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:28:44

Time Test Ended: 05:04:59

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 45

**Interval: 5692.00 ft (KB) To 5741.00 ft (KB) (TVD)**

Reference Elevations: 2717.00 ft (KB)

Total Depth: 5741.00 ft (KB) (TVD)

2707.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8367 Outside**

Press @ Run Depth: psig @ 5693.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.11.15

End Date:

2012.11.16

Last Calib.:

2012.11.16

Start Time: 19:43:15

End Time:

05:04:44

Time On Btm:

Time Off Btm:

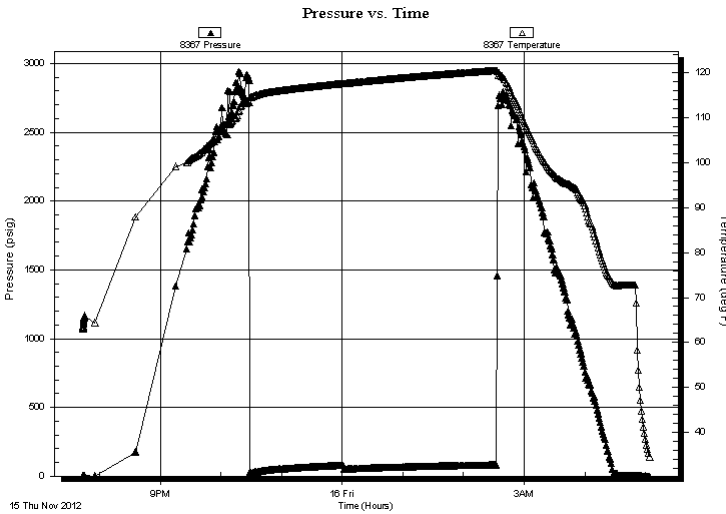
TEST COMMENT: IF: Weak Blow Built to 3/4 inch

IS: No Blow Back

FF: No Blow

FS: No Blow Back

## PRESSURE SUMMARY



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

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud	0.14

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Evans Energy, LLC

**6-33s-29w Meade, KS**

PO Box 8  
Spivey, KS 67142

**Angell #4-6**

Job Ticket: 49634

**DST#: 2**

ATTN: Edw in Grieves

Test Start: 2012.11.15 @ 19:43:14

## Tool Information

Drill Pipe:	Length: 5670.00 ft	Diameter: 3.80 inches	Volume: 79.54 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 79.54 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 86000.00 lb
Depth to Top Packer:	5692.00 ft			Final 86000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	49.00 ft			
Tool Length:	77.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments: Shale Packers Top And Bottom

## Tool Description

**Length (ft) Serial No. Position Depth (ft) Accum. Lengths**

Shut In Tool	5.00			5669.00	
Hydraulic tool	5.00			5674.00	
Jars	5.00			5679.00	
Safety Joint	2.00			5681.00	
Packer - Shale	6.00			5687.00	
Packer	5.00			5692.00	28.00 Bottom Of Top Packer
Stubb	1.00			5693.00	
Recorder	0.00	6798	Inside	5693.00	
Recorder	0.00	8367	Outside	5693.00	
Perforations	6.00			5699.00	
Change Over Sub	1.00			5700.00	
Drill Pipe	32.00			5732.00	
Change Over Sub	1.00			5733.00	
Perforations	5.00			5738.00	
Bullnose	3.00			5741.00	49.00 Anchor Tool

**Total Tool Length: 77.00**



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Evans Energy. LLC

**6-33s-29w Meade, KS**

PO Box 8  
Spivey, KS 67142

**Angell #4-6**

Job Ticket: 49634

**DST#: 2**

ATTN: Edw in Grieves

Test Start: 2012.11.15 @ 19:43:14

**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:

ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5700.00 ppm

Filter Cake: 0.02 inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud	0.140

Total Length: 10.00 ft      Total Volume: 0.140 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

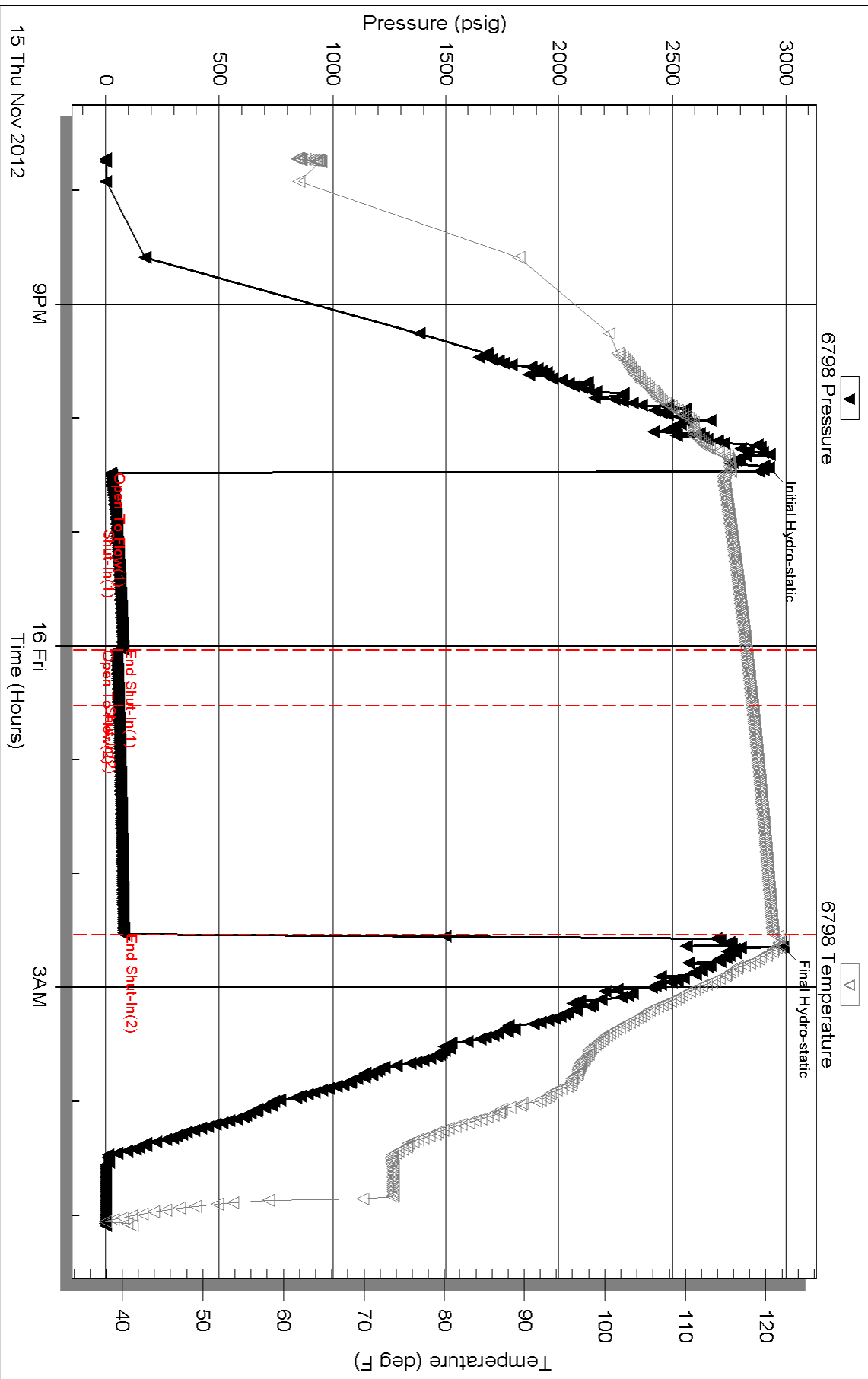
Serial #:

Laboratory Name:

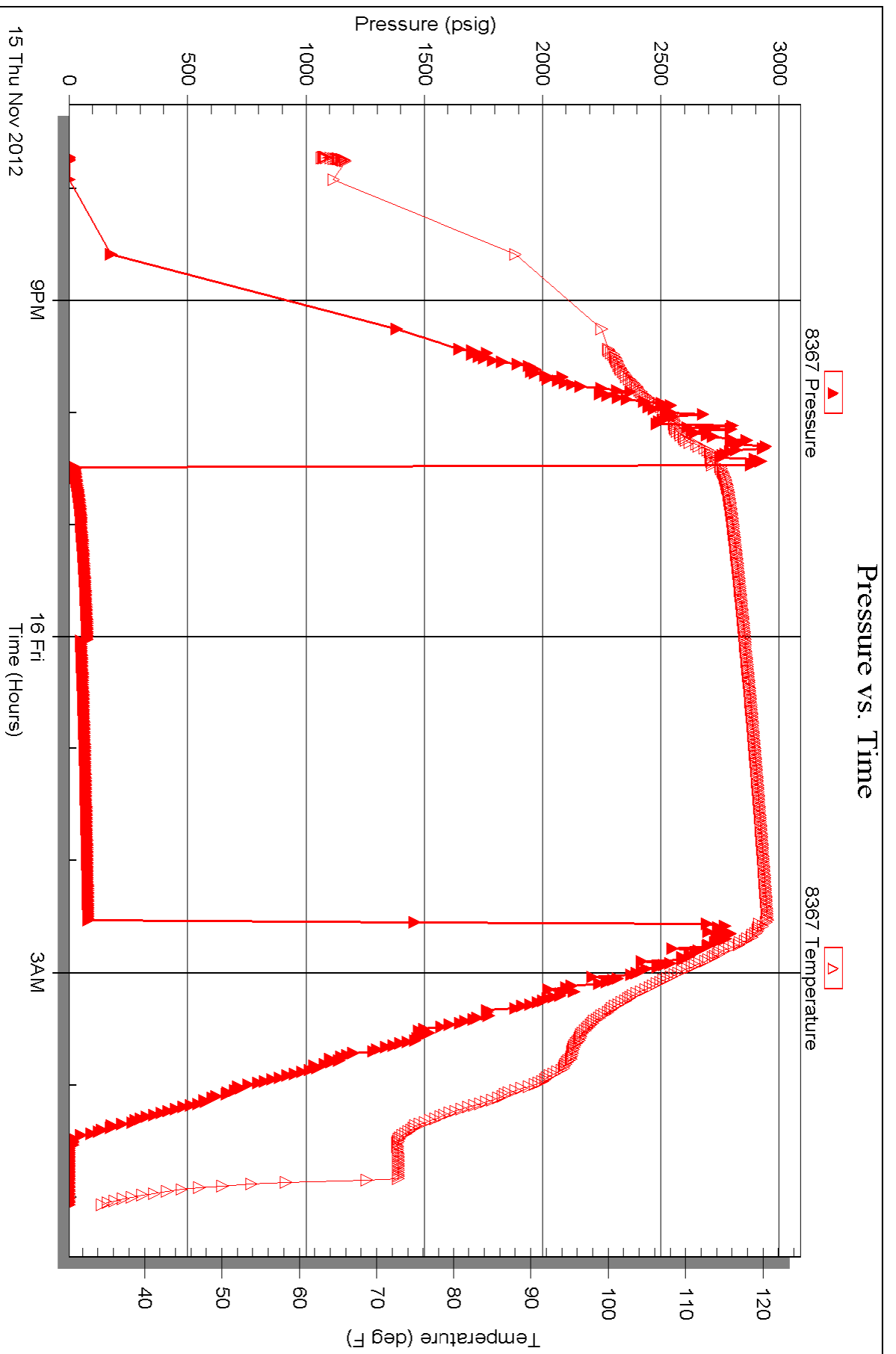
Laboratory Location:

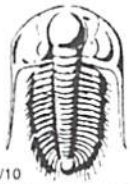
Recovery Comments:

# Pressure vs. Time









# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 49768

Well Name & No. Angell #4-6 Test No. 1 Date 11/13/12  
 Company Evans Energy, LLC Elevation 2717 KB 2707 GL  
 Address 3885 SW 110th St PO Box 8 Spivey, Ks 67142  
 Co. Rep / Geo. Edwin Brievis Rig Val #1  
 Location: Sec. 6 Twp. 33S Rge. 29W Co. Meade State Ks

Interval Tested 5206 - 5226 Zone Tested Marmaton  
 Anchor Length 20' Drill Pipe Run 5198 Mud Wt. 9.1  
 Top Packer Depth 5201 Drill Collars Run Ø Vis 53  
 Bottom Packer Depth 5206 Wt. Pipe Run Ø WL 9.2  
 Total Depth 5226 Chlorides 4600 ppm System LCM 2.5#

Blow Description IF: BOB @ 3min  
ISI: No return.  
FF: BOB @ 5min.  
FSJ: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>1510</u>	<u>smcw</u>		<u>97</u>	<u>3</u>	
	<u>oil spots intool and on top</u>				

Rec Total 1510 BHT 124 Gravity — API RW .065 @ 43 °F Chlorides 155000 ppm

(A) Initial Hydrostatic <u>2567</u>	<input checked="" type="checkbox"/> Test <u>1350</u>	T-On Location <u>0215</u>
(B) First Initial Flow <u>153</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>0633</u>
(C) First Final Flow <u>394</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>0857</u>
(D) Initial Shut-In <u>1661</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>1327</u>
(E) Second Initial Flow <u>413</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>1617</u>
(F) Second Final Flow <u>812</u>	<input checked="" type="checkbox"/> Mileage <u>227 1/2</u> 351.85	Comments
(G) Final Shut-In <u>1664</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2463</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
	<input checked="" type="checkbox"/> Shale Packer <u>X2</u> 500	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Flow <u>60</u>	<input type="checkbox"/> Day Standby	Total <u>2526.85</u>
Final Shut-In <u>120</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>2526.85</u>	

Approved By [Signature] Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged or any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 49634

Well Name & No. Angell 4-6 Test No. 2 Date 11/15/12  
 Company Evans Energy LLC Elevation 2717 KB 2707 GL  
 Address PO Box 8 Spivey, KS 67142  
 Co. Rep / Geo. Edwin Grieves Rig Val 1  
 Location: Sec. 6 Twp. 33S Rge. 29W Co. Atade State KS

Interval Tested 5692 - 5741 Zone Tested Morrow  
 Anchor Length 49 Drill Pipe Run 5670 Mud Wt. 9.1  
 Top Packer Depth 5687 Drill Collars Run 0 Vis 62  
 Bottom Packer Depth 5692 Wt. Pipe Run 0 WL 10.8  
 Total Depth 5741 Chlorides 5700 ppm System LCM 3

Blow Description IF: Weak ~~Blow~~ Blow Built to 3/4 inch  
ISF: NO Blow Back  
FF: NO Blow  
FSI: NO Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>MUD</u>				

Rec Total 10 BHT 120 Gravity NIC API RW NIC @ NIC °F Chlorides NIC ppm

(A) Initial Hydrostatic <u>2926</u>	<input checked="" type="checkbox"/> Test <u>1350</u>	T-On Location <u>17:30</u>
(B) First Initial Flow <u>24</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>19:43</u>
(C) First Final Flow <u>48</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>22:28</u>
(D) Initial Shut-In <u>76</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>02:31</u>
(E) Second Initial Flow <u>47</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>05:04</u>
(F) Second Final Flow <u>57</u>	<input checked="" type="checkbox"/> Mileage <u>230</u> 356.50	Comments
(G) Final Shut-In <u>79</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2987</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
	<input checked="" type="checkbox"/> Shale Packer <u>2</u> 500	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>2531.50</u>
Final Shut-In <u>120</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>2531.50</u>	

Approved By Edwin Grieves Our Representative [Signature]

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# QUALITY WELL SERVICE, INC.

Federal Tax I.D. # 481187368

Home Office 324 Simpson St., Pratt, KS 67124

Heath's Cell 620-727-3410  
Office / Fax 620-672-3663

Rich's Cell 620-727-3409  
Brady's Cell 620-727-6964

11-6-12	6	33	29	meade	KS	11:30am	2:45
Well No. 4-6	Location Meade, KS 9W 5 1/2 S W 170						
Owner							
To Quality Well Service, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as							
Job Long Surface	Charge To Evans Energy						
Size 1 3/4	Street						
8 5/8	City						
State							
Shoe Joint	The above was done to satisfaction and supervision of owner agent or						
Displace 100.6	Cement Amount Ordered 400sy 65/35 6%ogel 3%						
EQUIPMENT							
ptirk No. 8	300sy com 3%CC 2%ogel 1/4# F16						
trk No. 5	Common 560						
trk No.	Poz. Mix 140						
up No.	Gel. 27						
Hulls							
Salt							
Flowseal 175							
Kol-Seal							
Mud CLR 48							
CFL-117 or CD110 CAF 38							
Sand							
Handling 752							
Mileage 40							
FLOAT EQUIPMENT							
Guide Shoe 1-8 5/8							
Centralizer 1-8 5/8							
Baskets 2-8 5/8							
AFU Inserts 1-8 5/8							
Float Shoe							
Latch Down							
8 5/8 rubber plug							
2hr wait time							
Pumptrk Charge Long Surface							
Mileage 40							
Tax							
Discount							
Total Charge							

### JOB SERVICES & REMARKS

Centralizers on 3 1/4 from surface  
 sets on 3th and 4th st from surface  
 or Port Collar  
 29 sts of 8 5/8 casing and landing it  
 Circulation with mud pump  
 need up and mixed 400 sy 60/40 and  
 in with 200 sy com - shut down  
 seal plug and disp 100.6 bbl at H20 - plug  
 @ 1000 psi - shut in @ 100 psi  
 down and wait for 2 hrs and top  
 with 100 sy  
 ment did circulate to surface  
 Thank You  
 Signature *[Handwritten Signature]*

# QUALITY WELL SERVICE, INC.

Federal Tax I.D. # 481187368

Home Office 324 Simpson St., Pratt, KS 67124

Heath's Cell 620-727-3410  
Office / Fax 620-672-3663

Rich's Cell 620-727-3409  
Brady's Cell 620-727-6964

10-19-12	6	33	29	meade	KS			
Well No. 4-6	Location Meade, KS 9W 5 1/2 S W 10 1/4							
tractor								
Job Conductor								
Owner								
To Quality Well Service, Inc. You are hereby requested to rent cementing equipment and fuel cement and helper to assist owner or contractor to do work at								
Size 32"	T.D.							
Size 20"	Depth 62							
	Depth							
	Depth							
Shoe Joint	Shoe Joint							
Displace 18'4661	Displace 18'4661							
EQUIPMENT								
Port No. 8	Cody							
Port No. 10	Sean							
Port No.								
Port No.								
JOB SERVICES & REMARKS								
ole								
e Hole								
alizers								
ets								
r Port Collar								
62ft of 20" pipe								
2305x and 230 18'4661 of								
Shut in @ 100psi								
FLOAT EQUIPMENT								
Guide Shoe								
Centralizer								
Baskets								
AFU Inserts								
Float Shoe								
Latch Down								
Pumptrk Charge								
Mileage								
	Tax							
	Discount							
	Total Charge							

Signature Bob Harper

1-19-2012 District M2 Ticket No. 59639  
 any Evans Energy LLC Rig VSLB1  
Ansel Well No. 4-6  
Megde State KS  
U.C. Moche KS Field L-333-294

CEMENT DATA:  
 Spacer Type: \_\_\_\_\_ Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_  
 Amt. 3 bbls w/ser, 500SS's ASF, 3 bbls w/  
 LEAD: Pump Time Rst + more hrs. Type 60 in. w/  
 Amt. 50 Sks Yield 1.40 ft<sup>3</sup>/sk Density 14.1  
 TALL: Pump Time \_\_\_\_\_ hrs. Type CLASSIC  
SA Kalsoci 7.5% FF160 Excess \_\_\_\_\_  
 Amt. 115 Sks Yield 1.57 ft<sup>3</sup>/sk Density 14.5  
 WATER: Lead 6.7 gals/sk Tail 7.23 gals/sk Total 28

CEMENT DATA:  
 PTA  Squeeze  Misc  
 Intermediate  Production  Liner  
 Surface  Weight 14 Collar \_\_\_\_\_  
512 Type \_\_\_\_\_

Depths: Top KB Bottom 5870

Pump Trucks Used 558-555-Scott P.  
 Bulk Equip. 561-553-Brennan B.

Pipe Size \_\_\_\_\_ Weight \_\_\_\_\_ Collars \_\_\_\_\_  
 Hole Size 7 7/8 T.D. 6200 ft. P.B. to \_\_\_\_\_ ft.  
 CITY FACTORS:  
 Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Bbls/Lin. ft. .0305 Lin. ft./Bbl. 32.41  
 Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 ations: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt. \_\_\_\_\_

Float Equip: Manufacturer Westhor Corp Depth 58  
 Shoe: Type Packer shoe Depth 57  
 Float: Type 9 inch down plus Plugs Top 1 Btm. \_\_\_\_\_  
 Centralizers: Quantity \_\_\_\_\_  
 Stage Collars BSSket  
 Special Equip. \_\_\_\_\_  
 Disp. Fluid Type Freshwater Amt. 142 Bbls. Weight 8.  
 Mud Type \_\_\_\_\_

COMPANY REPRESENTATIVE \_\_\_\_\_

CEMENTER DGIN Franklin

TIME AM/PM	PRESSURES PSI		FLUID PUMPED DATA		REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	
	400				Pipe on bottom & break girder
	400			3	Pump 3 bbls water
	400			500	500SS's ASF
	400			3	3 bbls water
	100			7	Mix 30yr for Pst hole
	100			5	Mix 20yr for Moxohair
	300			32	Mix 185yr Cement
					Shut down
					WSSN pump operations
					Release plus
	200			0	STGT + displacement
	600			110	L.P. pressure at 110 bbls
	800			130	Slow rate to 3 bbls at 130 bbls
	1600			142	Down plus at 142 bbls 800-1600
					flour die hole

L DISP. PRESS: 800 PSI BUMP PLUG TO 1600 PSI BLEEDBACK Hold BBLs. \_\_\_\_\_  
 THANK YOU