



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1116773  
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
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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: \_\_\_\_\_



1116773

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			
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)*

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

<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 <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Shelby Resources LLC
Well Name	C-S Unit 1
Doc ID	1116773

All Electric Logs Run

Dual Induction
Compensated Neutron
Micro
Sonic
Cement Bond



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Shelby Resources, LLC

**24-17-14, Barton, KS**

2717 Canal Blvd.  
Suite C Hays KS 67601

**CS Unit #1**

Job Ticket: 50783

**DST#: 1**

ATTN: Jermy Schwartz

Test Start: 2012.10.25 @ 07:45:00

## GENERAL INFORMATION:

Formation: **KC "A-F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:30:30

Time Test Ended: 13:56:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Brett Dickinson

Unit No: 59

**Interval: 3203.00 ft (KB) To 3274.00 ft (KB) (TVD)**

Total Depth: 3274.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1958.00 ft (KB)

1949.00 ft (CF)

KB to GR/CF: 9.00 ft

**Serial #: 8319 Outside**

Press @ Run Depth: 20.79 psig @ 3204.00 ft (KB)

Start Date: 2012.10.25

End Date:

2012.10.25

Start Time: 07:45:05

End Time:

13:55:59

Capacity: 8000.00 psig

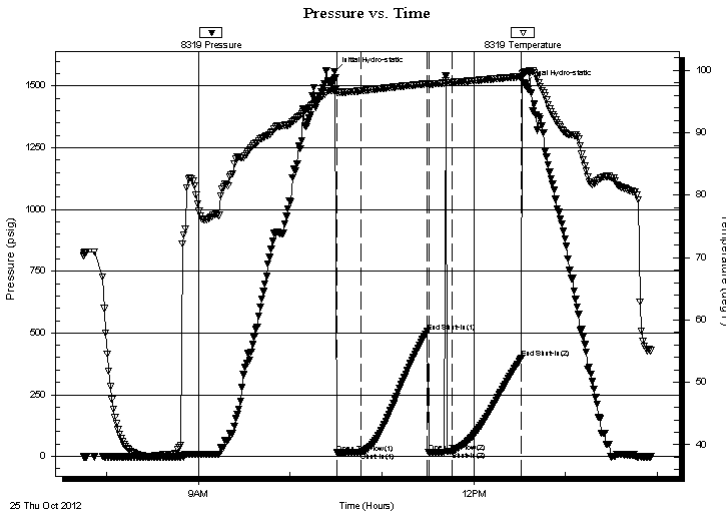
Last Calib.: 2012.10.25

Time On Btm: 2012.10.25 @ 10:29:00

Time Off Btm: 2012.10.25 @ 12:33:00

**TEST COMMENT:** IF-1/8in blow  
ISI-No blow  
FF-No blow Flush Tool No blow  
FSI-No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1558.84	96.83	Initial Hydro-static
2	14.64	96.51	Open To Flow (1)
17	16.53	96.74	Shut-In(1)
61	505.41	97.85	End Shut-In(1)
62	17.33	97.76	Open To Flow (2)
77	20.79	98.08	Shut-In(2)
122	397.24	99.01	End Shut-In(2)
124	1507.43	99.70	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud	0.02

## Gas Rates

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



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# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shelby Resources, LLC

**24-17-14, Barton, KS**

2717 Canal Blvd.  
Suite C Hays KS 67601

**CS Unit #1**

Job Ticket: 50783

**DST#: 1**

ATTN: Jermy Schwartz

Test Start: 2012.10.25 @ 07:45:00

## 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: 54.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbf
5.00	Mud	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbf

Num Fluid Samples: 0

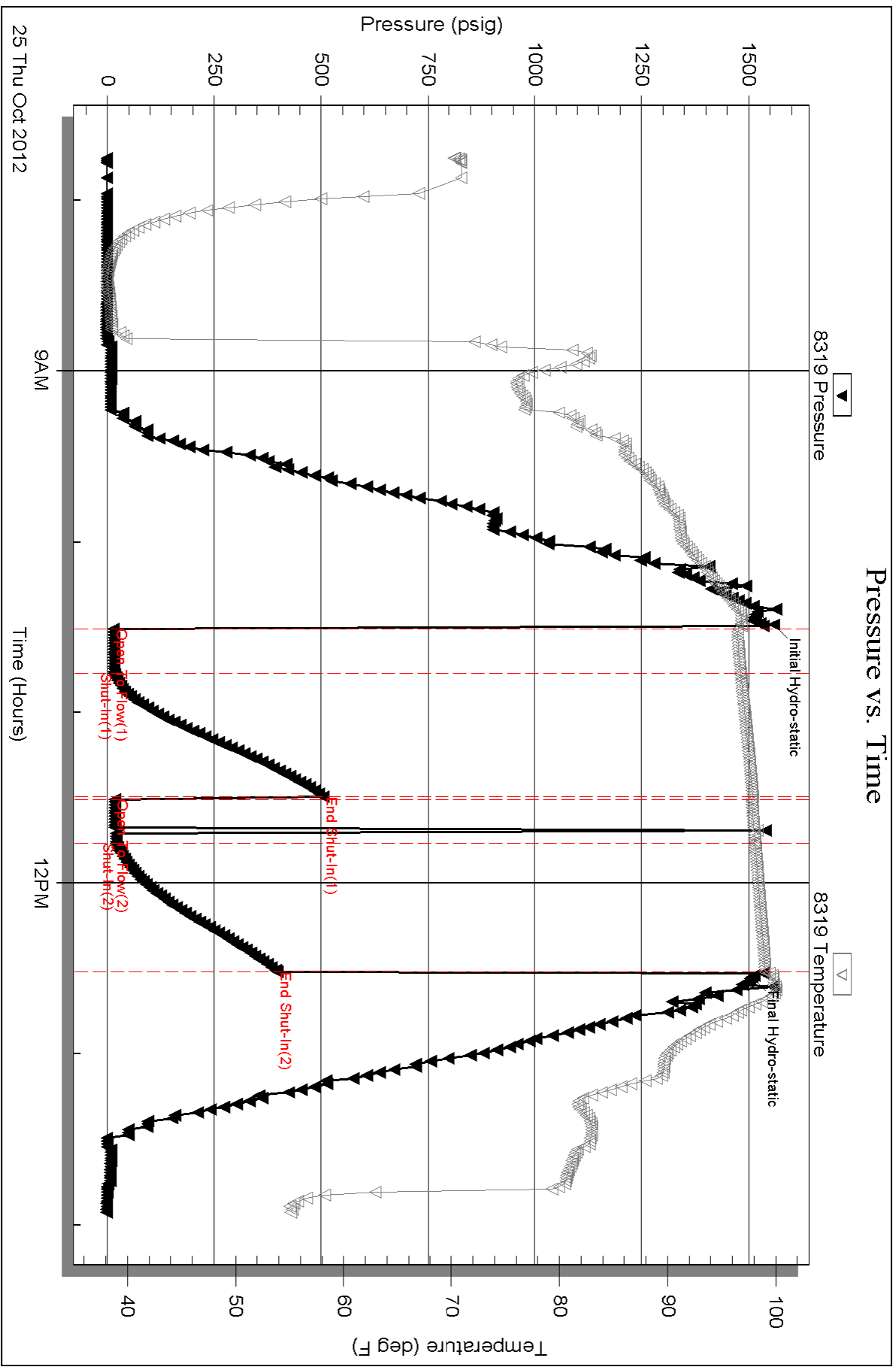
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Shelby Resources, LLC  
 2717 Canal Blvd.  
 Suite C Hays KS 67601  
 ATTN: Jermy Schwartz

**24-17-14, Barton, KS**

**CS Unit #1**

Job Ticket: 50784

**DST#: 2**

Test Start: 2012.10.25 @ 23:40:00

## GENERAL INFORMATION:

Formation: **KC"G,H"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 01:40:00  
 Time Test Ended: 08:04:00  
 Interval: **3274.00 ft (KB) To 3351.00 ft (KB) (TVD)**  
 Total Depth: 3351.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Brett Dickinson  
 Unit No: 59  
 Reference Elevations: 1958.00 ft (KB)  
 1949.00 ft (CF)  
 KB to GR/CF: 9.00 ft

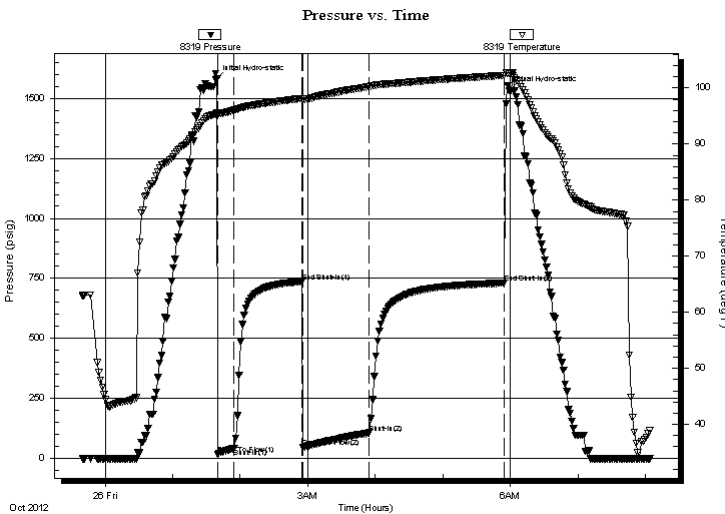
## Serial #: 8319

**Outside**

Press @ Run Depth: 104.60 psig @ 3275.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2012.10.25 End Date: 2012.10.26 Last Calib.: 2012.10.26  
 Start Time: 23:40:05 End Time: 08:03:59 Time On Btm: 2012.10.26 @ 01:38:30  
 Time Off Btm: 2012.10.26 @ 05:59:00

**TEST COMMENT:** IF-8.5in blow  
 IS-1/4in blow died in 40min  
 FF-BOB in 22min  
 FS-1/2in blow died in 55min

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1578.99	95.41	Initial Hydro-static
2	18.71	95.28	Open To Flow (1)
16	40.92	96.03	Shut-In(1)
77	736.71	98.17	End Shut-In(1)
78	47.29	98.03	Open To Flow (2)
136	104.60	100.27	Shut-In(2)
256	730.57	102.28	End Shut-In(2)
261	1531.87	102.63	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
90.00	Oilspotted MCW 80%W 20%M	0.44
130.00	SGMCO 10%G 50%O 40%M	0.73
0.00	50ft gip	0.00

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
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# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shelby Resources, LLC

**24-17-14, Barton, KS**

2717 Canal Blvd.  
Suite C Hays KS 67601

**CS Unit #1**

Job Ticket: 50784

**DST#: 2**

ATTN: Jermy Schwartz

Test Start: 2012.10.25 @ 23:40:00

## 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:

65000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

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

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
90.00	Oilspotted MCW 80%W 20%M	0.443
130.00	SGMCO 10%G 50%O 40%M	0.730
0.00	50ft gip	0.000

Total Length: 220.00 ft      Total Volume: 1.173 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

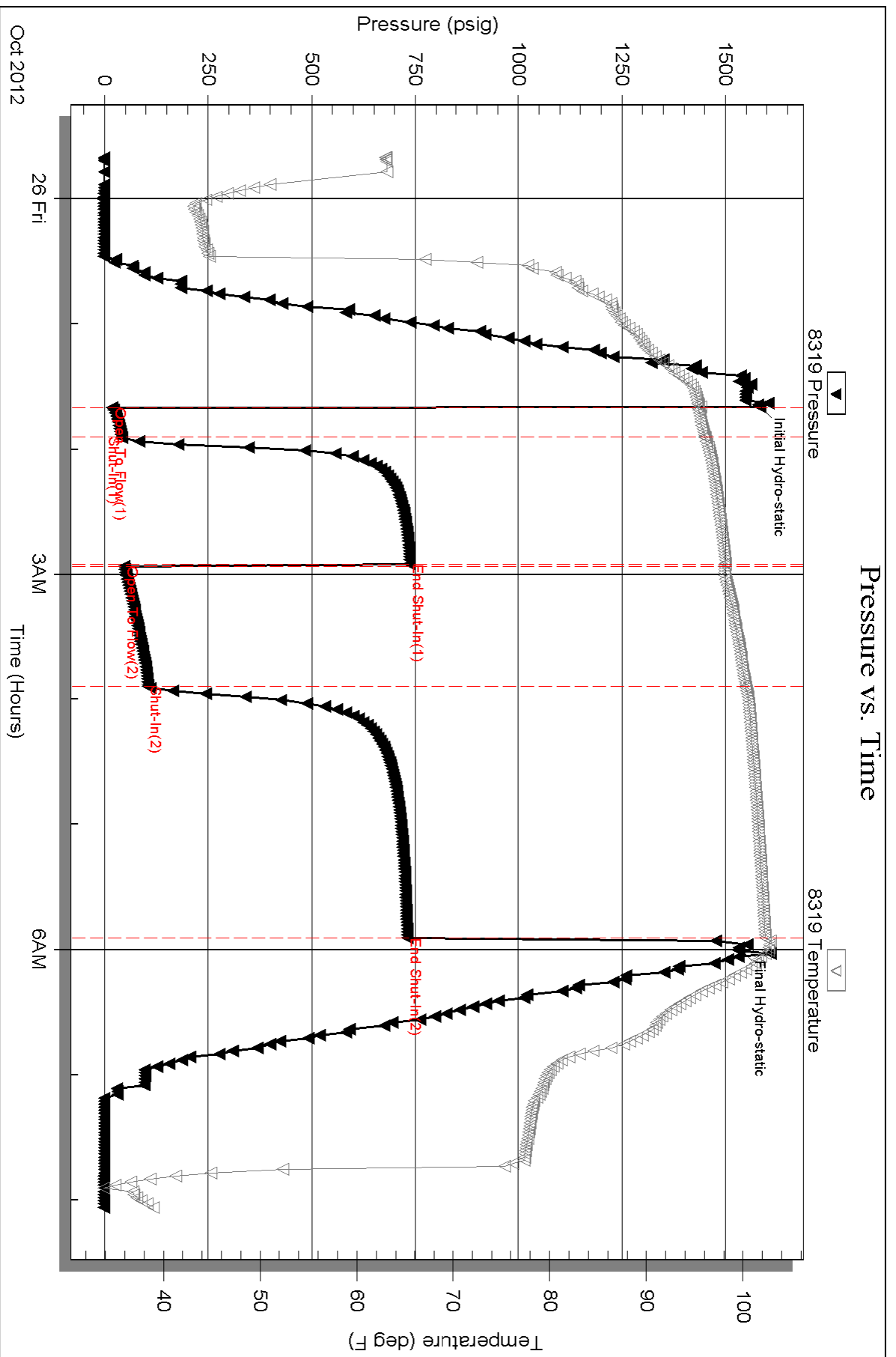
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Shelby Resources, LLC

**24-17-14, Barton, KS**

2717 Canal Blvd.  
Suite C Hays KS 67601

**CS Unit #1**

Job Ticket: 50785

**DST#: 3**

ATTN: Jermy Schwartz

Test Start: 2012.10.26 @ 17:20:00

## GENERAL INFORMATION:

Formation: **KC "I-K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:01:00

Time Test Ended: 00:10:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 59

**Interval: 3350.00 ft (KB) To 3425.00 ft (KB) (TVD)**

Total Depth: 3425.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1958.00 ft (KB)

1949.00 ft (CF)

KB to GR/CF: 9.00 ft

**Serial #: 8319 Outside**

Press @ Run Depth: 33.84 psig @ 3351.00 ft (KB)

Start Date: 2012.10.26

End Date: 2012.10.27

Start Time: 17:20:05

End Time: 00:10:29

Capacity: 8000.00 psig

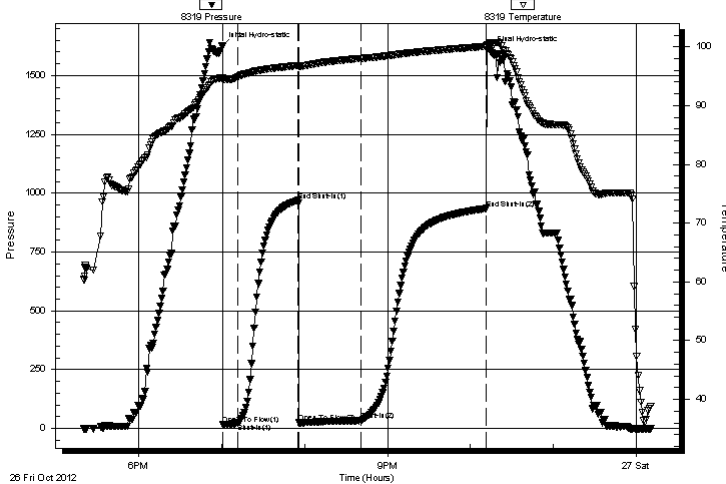
Last Calib.: 2012.10.27

Time On Btm: 2012.10.26 @ 19:00:00

Time Off Btm: 2012.10.26 @ 22:14:00

**TEST COMMENT:** IF-1/2in blow  
ISI-No blow  
FF-1.75in blow  
FSI-No blow

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1625.26	94.73	Initial Hydro-static
1	16.57	94.36	Open To Flow (1)
12	21.07	94.85	Shut-In(1)
55	969.82	96.83	End Shut-In(1)
56	24.72	96.64	Open To Flow (2)
101	33.84	98.03	Shut-In(2)
192	935.01	100.10	End Shut-In(2)
194	1607.81	100.63	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
44.00	VSGOCM 5%G 25%O 70%M	0.22
1.00	Free Oil	0.00

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shelby Resources, LLC

**24-17-14, Barton, KS**

2717 Canal Blvd.  
Suite C Hays KS 67601

**CS Unit #1**

Job Ticket: 50785

**DST#: 3**

ATTN: Jermy Schwartz

Test Start: 2012.10.26 @ 17:20:00

## 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: 7.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7100.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
44.00	VSGOCM 5%G 25%O 70%M	0.216
1.00	Free Oil	0.005

Total Length: 45.00 ft      Total Volume: 0.221 bbl

Num Fluid Samples: 0

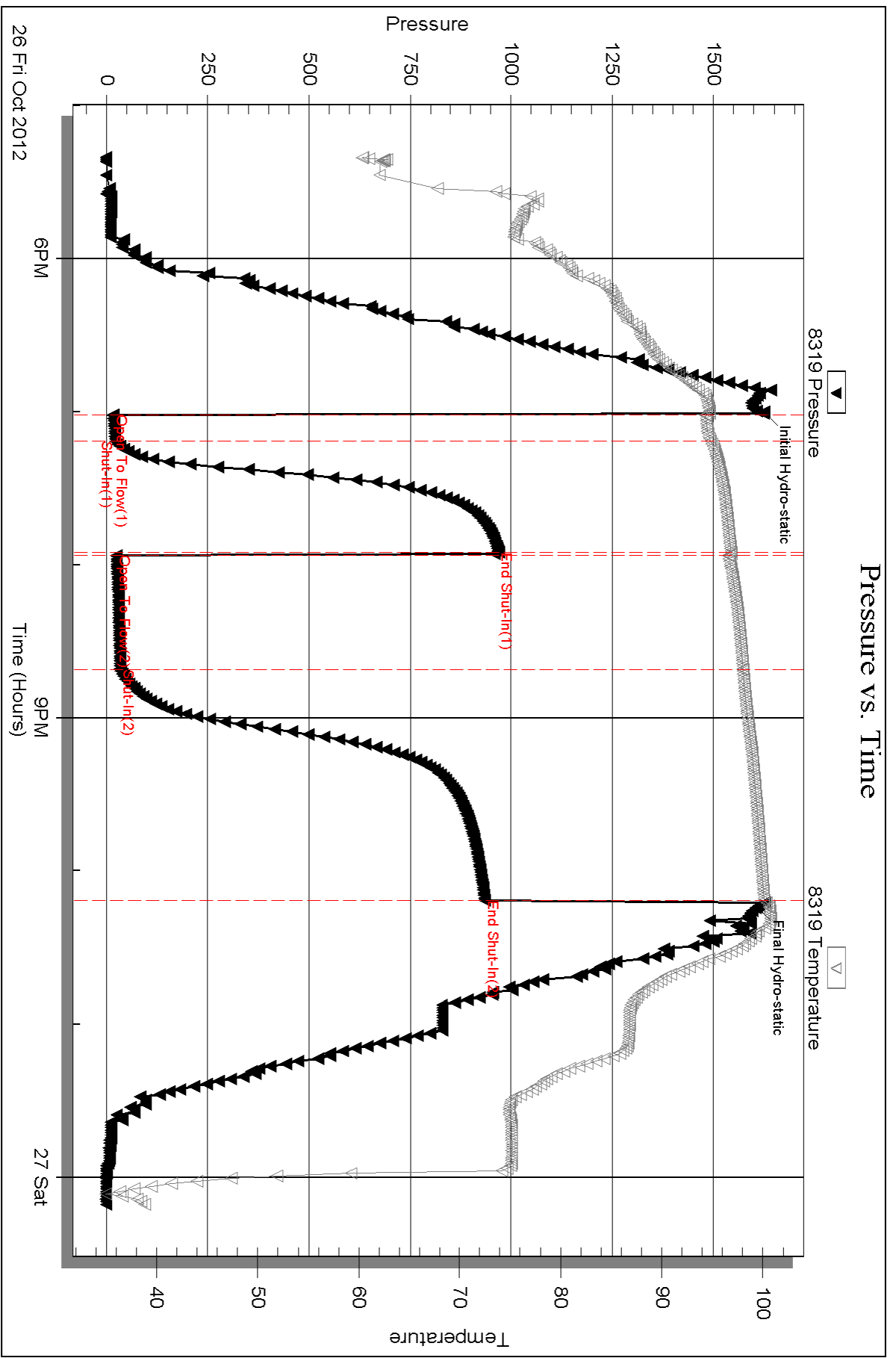
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





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TESTING, INC.**

# DRILL STEM TEST REPORT

Shelby Resources, LLC

**24-17-14, Barton, KS**

2717 Canal Blvd.  
Suite C Hays KS 67601

**CS Unit #1**

Job Ticket: 50786

**DST#: 4**

ATTN: Jermy Schwartz

Test Start: 2012.10.27 @ 09:45:00

## GENERAL INFORMATION:

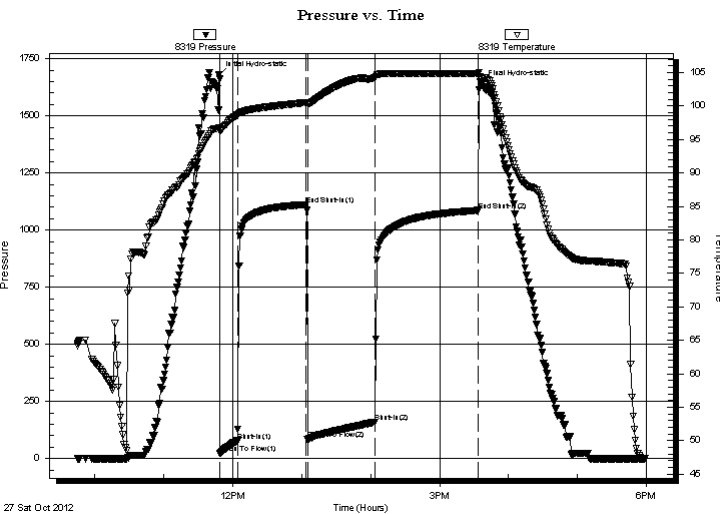
Formation: **Arb.**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 11:49:00  
 Time Test Ended: 17:58:30  
 Interval: **3411.00 ft (KB) To 3459.00 ft (KB) (TVD)**  
 Total Depth: 3459.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Brett Dickinson  
 Unit No: 59  
 Reference Elevations: 1958.00 ft (KB)  
 1949.00 ft (CF)  
 KB to GR/CF: 9.00 ft

## Serial #: 8319

**Outside**

Press @ Run Depth: 159.29 psig @ 3412.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2012.10.27 End Date: 2012.10.27 Last Calib.: 2012.10.27  
 Start Time: 09:45:05 End Time: 17:58:29 Time On Btm: 2012.10.27 @ 11:48:00  
 Time Off Btm: 2012.10.27 @ 15:36:30

**TEST COMMENT:** IF-8in blow  
 ISI-No blow  
 FF-BOB in 21min  
 FSI-Very weak surface blow died in 23min



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1678.37	96.76	Initial Hydro-static
1	21.27	96.25	Open To Flow (1)
16	77.34	98.62	Shut-In(1)
76	1111.88	100.52	End Shut-In(1)
77	82.18	100.30	Open To Flow (2)
136	159.29	104.24	Shut-In(2)
226	1086.55	104.87	End Shut-In(2)
229	1636.68	104.26	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
180.00	VSGOCM 5%G 35%O 60%M	0.89
260.00	SGO 10%G 90%O	3.37
0.00	110ft GIP	0.00

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shelby Resources, LLC

**24-17-14, Barton, KS**

2717 Canal Blvd.  
Suite C Hays KS 67601

**CS Unit #1**

Job Ticket: 50786

**DST#: 4**

ATTN: Jermy Schwartz

Test Start: 2012.10.27 @ 09:45:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.60 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7300.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	VSGOCM 5%G 35%O 60%M	0.885
260.00	SGO 10%G 90%O	3.374
0.00	110ft GIP	0.000

Total Length: 440.00 ft      Total Volume: 4.259 bbl

Num Fluid Samples: 0

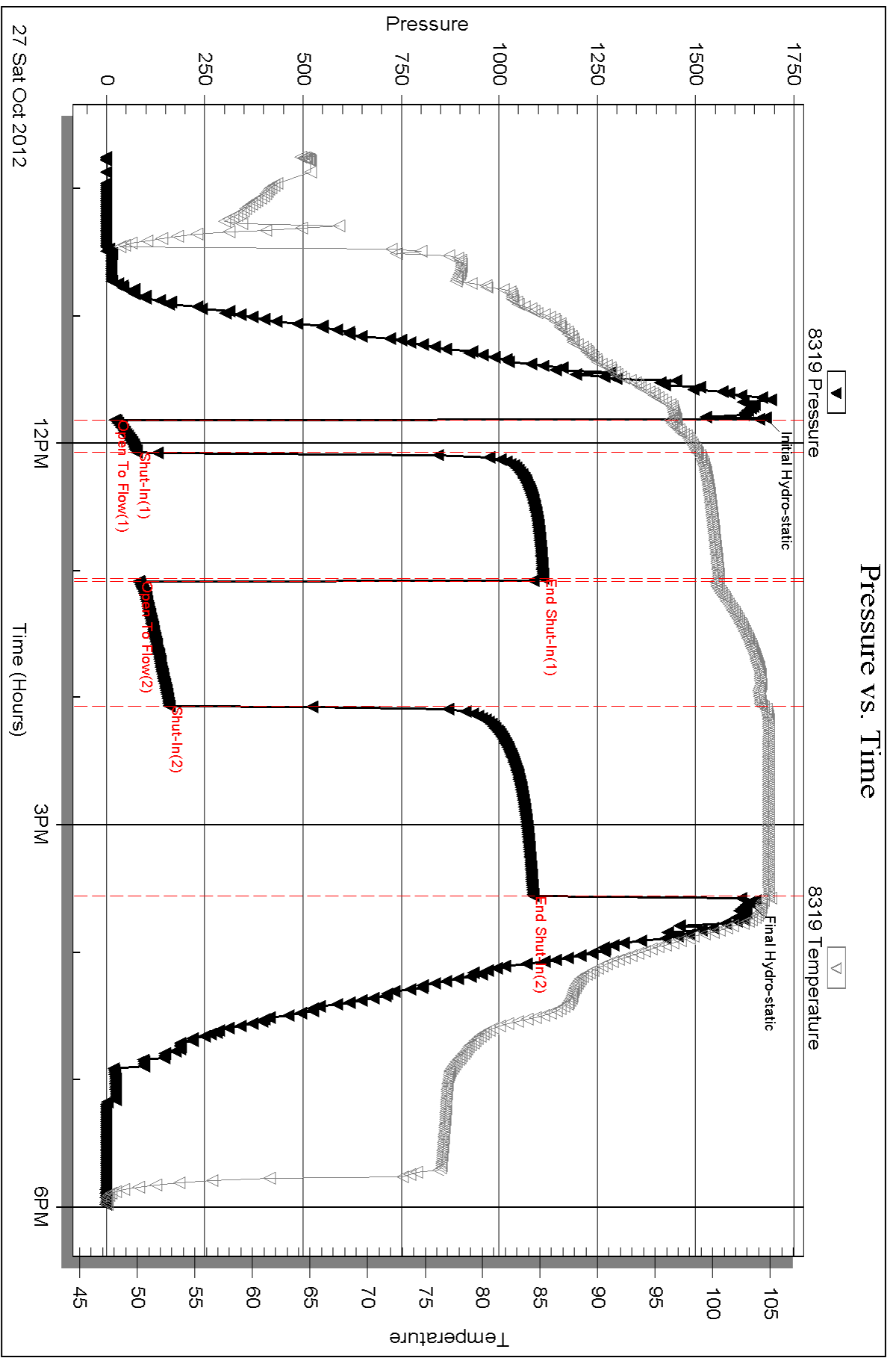
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Shelby Resources, LLC  
 2717 Canal Blvd.  
 Suite C Hays KS 67601  
 ATTN: Jermy Schwartz

**24-17-14, Barton, KS**

**CS Unit #1**

Job Ticket: 50787

**DST#: 5**

Test Start: 2012.10.28 @ 00:45:00

## GENERAL INFORMATION:

Formation: **Arb.**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 02:41:30  
 Time Test Ended: 08:41:00  
 Interval: **3459.00 ft (KB) To 3467.00 ft (KB) (TVD)**  
 Total Depth: 3467.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Brett Dickinson  
 Unit No: 59  
 Reference Elevations: 1958.00 ft (KB)  
 1949.00 ft (CF)  
 KB to GR/CF: 9.00 ft

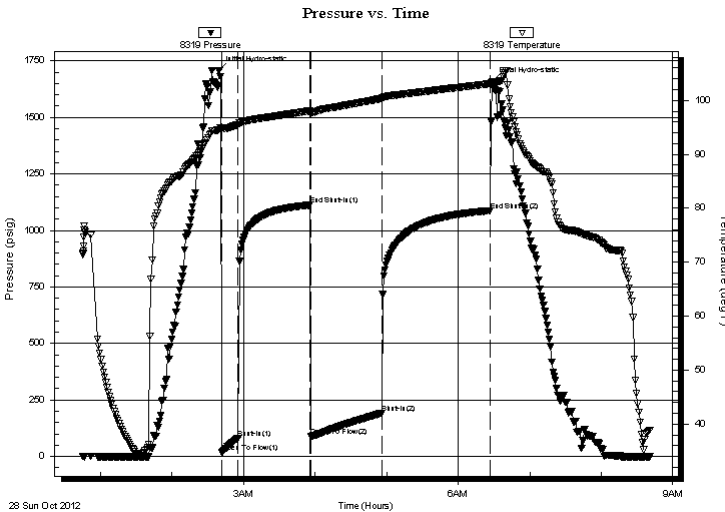
## Serial #: 8319

**Outside**

Press @ Run Depth: 192.41 psig @ 3460.00 ft (KB)  
 Start Date: 2012.10.28 End Date: 2012.10.28  
 Start Time: 00:45:05 End Time: 08:40:59  
 Capacity: 8000.00 psig  
 Last Calib.: 2012.10.28  
 Time On Btm: 2012.10.28 @ 02:39:30  
 Time Off Btm: 2012.10.28 @ 06:28:30

**TEST COMMENT:** IF-BOB in 11min  
 ISI-1in blow died back to 3/4in  
 FF-BOB in 12min  
 FSI-Very weak surface blow died in 40min

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1708.04	94.56	Initial Hydro-static
2	16.99	94.91	Open To Flow (1)
16	80.52	95.51	Shut-In(1)
76	1112.11	98.07	End Shut-In(1)
77	87.90	97.85	Open To Flow (2)
137	192.41	100.33	Shut-In(2)
227	1087.72	103.07	End Shut-In(2)
229	1657.33	103.30	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	MCO 60%O 40%M	0.05
505.00	GO 25%G 75%O	5.26
0.00	170ft GIP	0.00

\* Recovery from multiple tests

## Gas Rates

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







**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shelby Resources, LLC

**24-17-14, Barton, KS**

2717 Canal Blvd.  
Suite C Hays KS 67601

**CS Unit #1**

Job Ticket: 50787

**DST#: 5**

ATTN: Jermy Schwartz

Test Start: 2012.10.28 @ 00:45:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.60 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7300.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
10.00	MCO 60%O 40%M	0.049
505.00	GO 25%G 75%O	5.262
0.00	170ft GIP	0.000

Total Length: 515.00 ft

Total Volume: 5.311 bbl

Num Fluid Samples: 0

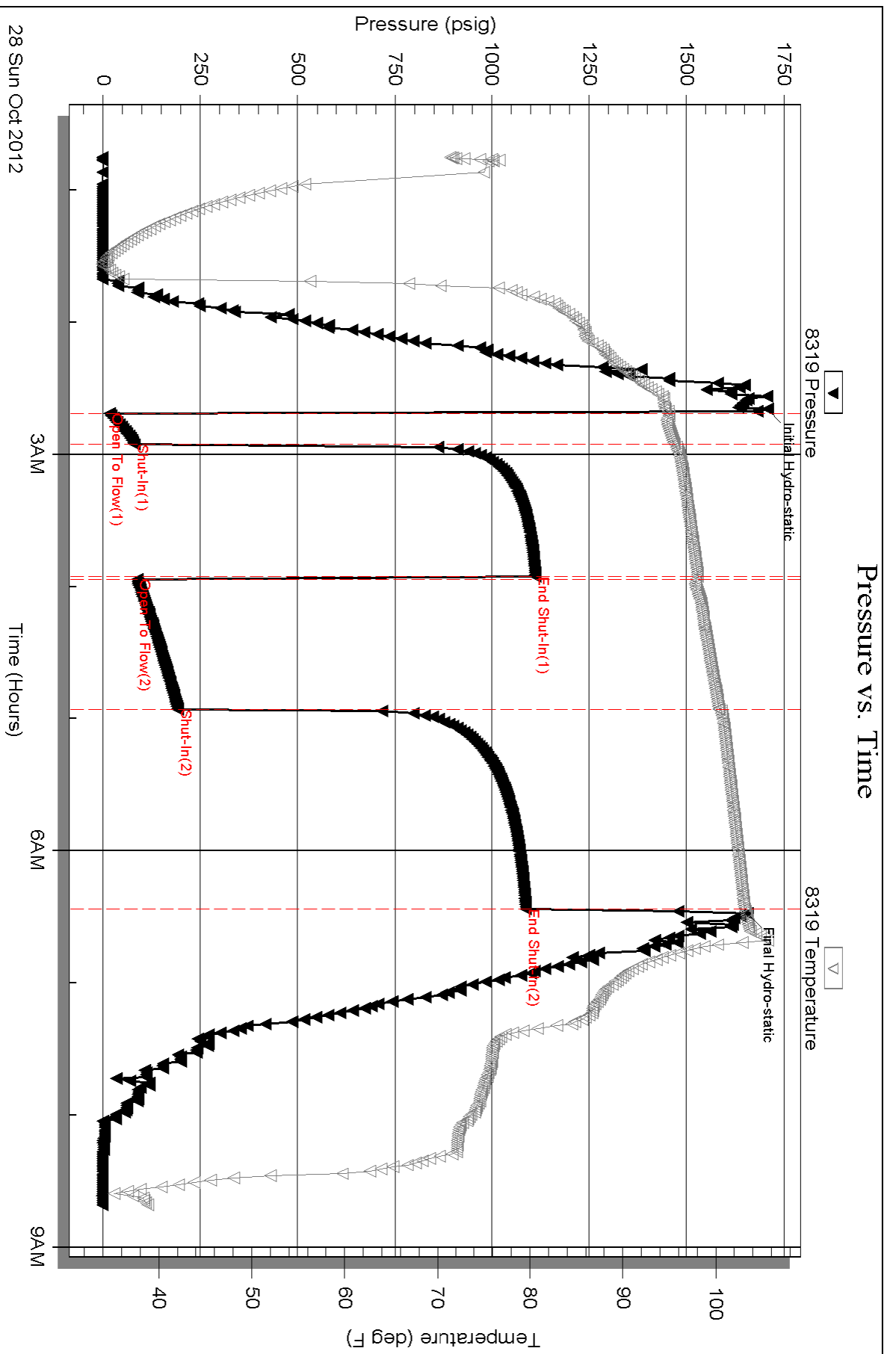
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



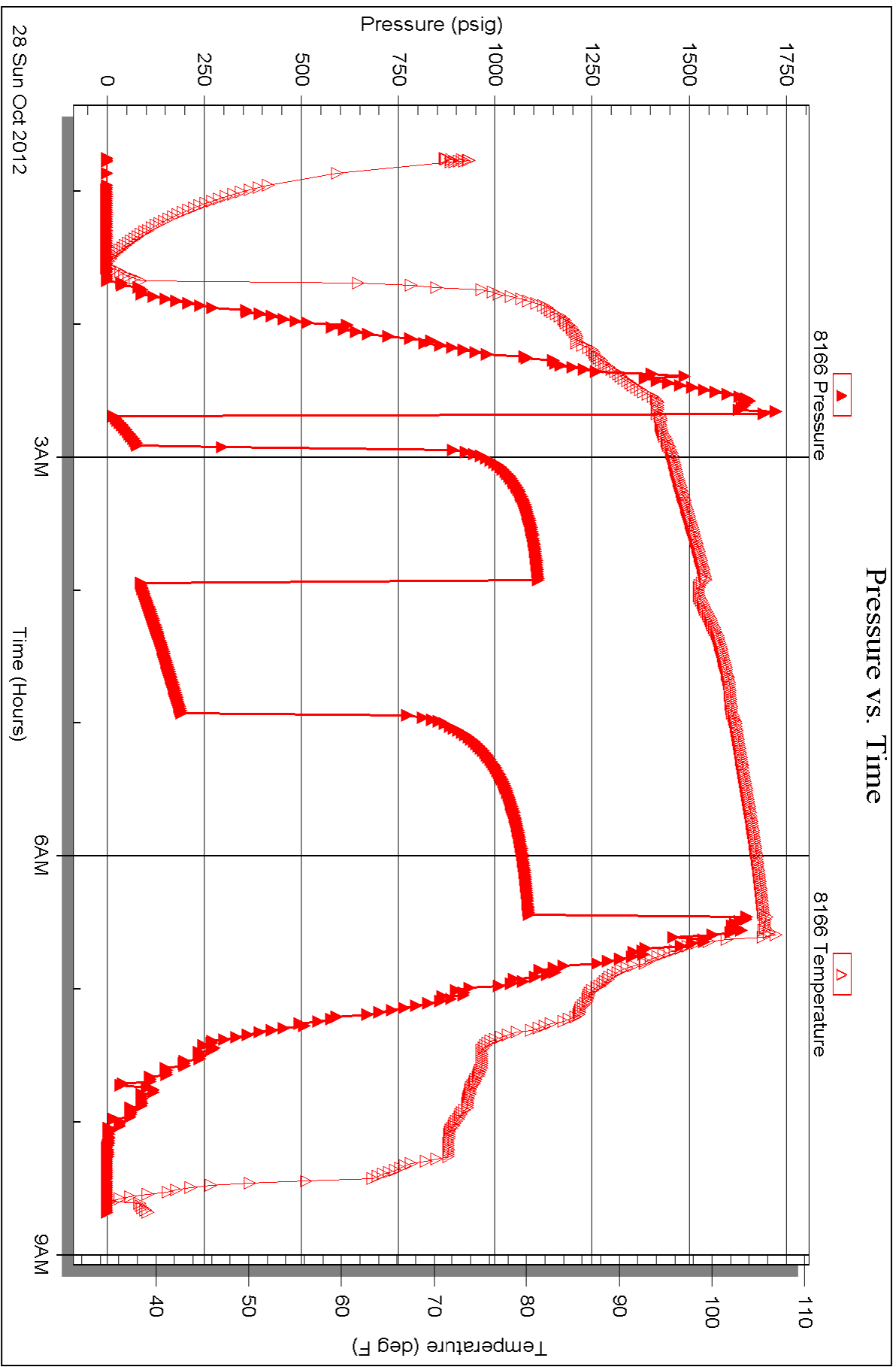
Serial #: 8166

Inside

Shelby Resources, LLC

CS Unit #1

DST Test Number: 5





ASIC Energy services, L.P.

TREATMENT REPORT

Customer Shelby Resources, LLC	Lease No.	Date 10-29-12	
Lease C-5 Unit	Well # 1		
Field Order # 2287	Station Pratt, Kansas	Casing" 3 1/2 15.5 lb.	Depth 3,549 feet
Type Job C.N.W. - Longstring	Formation	County Barton	State Kansas
		Legal Description 24-175-14W	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 3 1/2 15.5 lb./ft.	Tubing Size 5.0 lb./ft.	Shots/Ft 50	From 100	To sacks	Acid 60/40 Poz with 28 Gel	RATE 22.258	PRESS Defoamer, 18 Gas Blt, 108 Salt,	ISIP 5 Min.
Depth 3,549 feet	Depth	From 100	To sacks	Pre Pad AA-2 with .58 FLA-3	Max 22.258	Min 6.15	Avg 1.36	10 Min.
Volume 84.5 Bbl.	Volume	From	To	Pad 5L Cellfate, 5L	HHP Used 0 sacks and Mouse (20 sacks)	Gas Volume Fresh Water		15 Min.
Max Press 3,528 feet	Max Press	From	To	Frac 15.3 lb. Gal, 5.46 Gal.				Annulus Pressure Holes
Well Connection Plug Container	Annulus Vol.	From 50	To sacks	Flush 84 Bbl. Fresh Water				Total Load
Plug Depth 3,528 feet	Packer Depth	From	To					

Customer Representative Chris Gotschalt	Station Manager David Scott	Treater Clarence R. Messick
--	--------------------------------	--------------------------------

Service Units	37,216	19,903	19,905	19,959	21,010
Driver Names	Messick	Mattal	Calloway		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
4:45					Cementer and Float Equipment on location.
5:45					Trucks on location and hold safety meeting.
7:45					Sterling Drilling start to run Auto Fill Float Shoe, Shoe Joint with Latch Down Baffle screwed into collar and a total of 85 Joints new 15.5 lb./ft. casing. A Basket was installed above <del>collar</del> shoe. A Turbolizer was installed on collars #12, 4, 6, and #8
9:30					Casing in well. Circulate for 45 minutes.
10:11		2,500			Shut in well. Pressure Test Open Well.
10:15	200			5	Start mixing 50 sacks 60/40 Poz cement.
	200		11	5	Start mixing 100 sacks AA-2 cement.
	-0-		35		Stop pumping. Shut in well. Wash pump and lines. Release Latch Down Plug. Open Well.
10:28	100			6.5	Start Fresh water Displacement.
10:38	600		84	5	Start to lift cement.
10:38	600				Plug Down.
	1,600				Pressure up.
					Release plug. Float Shoe held.
			T-5	3	Plug Rat and Mouse holes.
					Wash up pump truck.
11:30					Job Complete.
					Thank You.
					Clarence, Mike, Scott

# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 5249

Date	10-21-12	Sec.	24	Twp.	17	Range	14	County	Barber	State	KS	On Location	8:30 PM	Finish	10:45 PM	
Lease	C-5 unit			Well No.	7			Location	horsing 2 W to 20 Ave N to 130 Rd							
Contractor	Stephens							Owner	Mr. Nint							
Type Job	Surface							To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.								
Hole Size	12 1/4			T.D.												
Csg.	8 5/8			Depth	925			Charge To	Shelby Resources							
Tbg. Size				Depth	925			Street								
Tool				Depth				City	State							
Cement Left in Csg.	36.48			Shoe Joint	36.48			The above was done to satisfaction and supervision of owner agent or contractor.								
Meas Line				Displace	56.5 BBL			Cement Amount Ordered	375 600 3% @ 29.50							
<b>EQUIPMENT</b>																
Pumptrk	9	No.		Cementer	Matt			Common	225							
				Helper												
Bulktrk	12	No.		Driver	Hans			Poz. Mix	150							
				Driver												
Bulktrk	pu	No.		Driver	Doug			Gel.	7							
				Driver												
<b>JOB SERVICES &amp; REMARKS</b>																
Remarks:								Hulls								
Rat Hole								Salt								
Mouse Hole								Flowseal								
Centralizers								Kol-Seal								
Baskets								Mud CLR 48								
D/V or Port Collar								CFL-117 or CD110 CAF 38								
								Sand								
								Handling	396							
								Mileage								
Cement did Circulate																
<b>FLOAT EQUIPMENT</b>																
								Guide Shoe	Weld on							
								Centralizer								
								Baskets								
								AFU Inserts								
								Float Shoe								
								Latch Down								
								Rubber Plug								
								Bottle Washer								
								Pumptrk Charge	Long Surface							
								Mileage	16							
								Tax								
								Discount								
								Total Charge								
X Signature	[Signature]															



ASIC Energy services, L.P.

TREATMENT REPORT

Customer Theby Res. LLC	Lease No.	Date 11-27-12	
Lease C-SUMMIT	Well # #1		
Field Order # 01040A	Station Pratt KS	Casing 5 1/2"	Depth TD 3527
Type Job OSQ. ARB. CNW	Formation ARB.	County Barton	State KS
		Legal Description 24-17-14	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5 1/2"	Tubing Size 2 7/8"	Shots/Ft 20 SKS		Acid Fine-Pore	RATE	PRESS	ISIP	
Depth 89'	Depth 3357'	From 30 SKS	To	Pre Pad Common	Max @ 14#		5 Min.	
Volume 2.11	Volume 13.99	From	To	Pad	Min		10 Min.	
Max Press 2200#	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth 3327'	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative Chris Gotschall	Station Manager Scotty	Treater Allen
Service Units 28443 19889 19843 19826 19860		
Driver Names Allen Joe Nelson Mike Lawrence		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
9:30					DNHOC. Discuss Safety, Setup, Plan Job
11:30	500#		5		LOAD ANN
		1000+	2	1/2	TAKING RATE 1/2 BPM @ 1000#
		1000#	3	1/2	PUMP 3 BBL OIL
					ST. MIX 20 SKS FINE PORE CMT 13#
					ST. MIX 30 SKS COM. @ 14#
			4		FINISH MIX
					ST. DISP. PUMP 4 BBL OIL
		2000#	11		ST. S.W. FLUSH
					11 BBL OUT TOTAL
		2100#	12 1/2		STAGE ON SG.
					TOTAL OUT 12 1/2 BBLs
2:54			17		RELEASE - DRY.
					RUN DOWN TO TD + CIR CLEAN
3:30		500#			PULL 8 JOINTS APPROX 3260
					PSI ON SG.
					SHUT IN @ WELL
4:15					WASHUP + RACKUP EQUIP
					JOB COMPLETE
					APPROX 45 SKS CMT IN ZONE

**OPERATOR**

Company: SHELBY RESOURCES, LLC  
 Address: 445 Union BLVD, suite 208  
 Lakewood, CO 80228

Contact Geologist: Janine Sturdavant  
 Contact Phone Nbr: 720-274-4682 / 303-907-2209

Well Name: #1 CS UNIT  
 Location: Sec. 24 - 17S - 14W  
 Pool:  
 State: Kansas

API: 15-009-25764-00-00  
 Field: WILDCAT  
 Country: USA

**Scale 1:240 Imperial**

Well Name: #1 CS UNIT  
 Surface Location: Sec. 24 - 17S - 14W  
 Bottom Location:  
 API: 15-009-25764-00-00  
 License Number:  
 Spud Date: 10/20/2012 Time: 6:15 PM  
 Region: Barton County  
 Drilling Completed: 10/28/2012 Time: 3:00 PM  
 Surface Coordinates: 167' FSL & 1602' FEL  
 Bottom Hole Coordinates:  
 Ground Elevation: 1949.00ft  
 K.B. Elevation: 1958.00ft  
 Logged Interval: 2700.00ft To: 3550.00ft  
 Total Depth: 3550.00ft  
 Formation: Arbuckle  
 Drilling Fluid Type: Polymer/Fresh Water Gel

**SURFACE CO-ORDINATES**

Well Type: Vertical  
 Longitude: Latitude:  
 N/S Co-ord: 167' FSL  
 E/W Co-ord: 1602' FEL

**LOGGED BY**

Company: Shelby Resources, LLC  
 Address: 445 Union Blvd, suite 208  
 Lakewood, CO 80228

Phone Nbr: 203-671-6034  
 Logged By: Geologist Name: Jeremy Schwartz

**CONTRACTOR**

Contractor: STERLING DRILLING COMPANY  
 Rig #: 4  
 Rig Type: mud rotary  
 Spud Date: 10/20/2012 Time: 6:15 PM  
 TD Date: 10/28/2012 Time: 3:00 PM  
 Rig Release: Time:

**ELEVATIONS**

K.B. Elevation: 1958.00ft Ground Elevation: 1949.00ft  
 K.B. to Ground: 9.00ft

**NOTES**

The Shelby # 1 CS Unit well was drilled to an RTD of 3550', bottoming in the Arbuckle. A TookeDAQ gas detector unit was employed during the drilling of all prospective formations with gas shows observed in the Lansing and Arbuckle formations. Sample shows of oil were noted in the Lansing and in the Arbuckle.

Five DST's were conducted throughout the Lansing and Arbuckle formations, with favorable results in the Arbuckle.  
 NOTE: ALL DSTs NEED TO BE SHIFTED 3' HIGHER ON THE E-LOGS (See E-Log Intervals on the DSTs Spread Sheet)

Based on the sample shows, gas kicks, favorable DST results, and favorable log analysis, it was determined by all



The sample shows, gas kicks, favorable DST results, and favorable log analysis, to all parties involved that the well be further tested through production pipe.

The samples were saved and will be available at the Kansas Geological Survey well sample library, located in Wichita, Kansas for further review.

Respectfully submitted,  
 Jeremy Schwartz  
 Geologist

### DAILY DRILLING REPORT

DATE	DEPTH	ACTIVITY
Saturday, October 20, 2012		MIRT, R/U, SPUD @ 18:15
Sunday, October 21, 2012	560	DRLG, SET 8 3/4" @ 923' w/ 375 sxs 60/40 POZ, 2% gel, 3% , PD 22:45
Monday, October 22, 2012	925	WOC, DRL
Tuesday, October 23, 2012	2040	DRLG
Wednesday, October 24, 2012	2745	DRLG, TOH, HOLE IN DP @2507', DIS @ 2680'
Thursday, October 25, 2012	3274	SHORT TRIP, CTCH, SURVEY, DST #1, DRLG, DST #2
Friday, October 26, 2012	3351	DRLG, DST #3
Saturday, October 27, 2012	3459	DRLG, DST #4
Sunday, October 28, 2012	3467	DRLG, TD, LOG, RUN 5 1/2" PRODUCTION CASING, GEOLOGIST RELEASED @ 12:30AM
Monday, October 29, 2012		
Tuesday, October 30, 2012		
Wednesday, October 31, 2012		

### WELL COMPARISON SHEET

CLIENT:	SHELBY RESOURCES
WELL NAME:	C-5 UNIT #1
LEGAL:	SE SE SW SE 24-17S-14W
COUNTY:	BARTON
API :	15-009-25764-0000
DRLG CONTRACTOR:	STERLING DRILLING CO.
RIG #:	#4
DOGHOUSE #:	(620) 388-4192
TOOLPUSHER:	LANNY SALOGA
CELL #:	(620) 388-4193

FORMATION	C-5 UNIT #1				P&A 7-85				H				H				•			
	1958		1941		1941		1961		1949		1949		1909		1909		1909			
	LOG TOPS	SMPL TOPS	LOG TOPS	SMPL TOPS	LOG TOPS	SMPL TOPS	LOG TOPS	SMPL TOPS	LOG TOPS	SMPL TOPS	LOG TOPS	SMPL TOPS	LOG TOPS	SMPL TOPS	LOG TOPS	SMPL TOPS	LOG TOPS	SMPL TOPS		
	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM		
ANHYDRITE TOP	908	1050	911	1047	894	1047	+ 3	+ 0	914	1047	+ 3	+ 0	894	1055	- 5	- 8				
BASE	933	1025	935	1023	919	1022	+ 3	+ 1	933	1028	- 3	- 5	926	1023	+ 2	+ 0				
TOPEKA	2881	-923	2885	-927													2837	-928	+ 5	+ 1
HEEDNER SHALE	3118	-1160	3122	-1164	3101	-1160	+ 0	- 4	3123	-1162	+ 2	- 2	3118	-1169	+ 9	+ 5	3074	-1165	+ 5	+ 1
TORONTO	3182	-1174	3141	-1183	3115	-1174	+ 0	- 9									3088	-1179	+ 5	- 4
DOUGLAS SHALE	3142	-1184	3146	-1188	3125	-1184	+ 0	- 4									3099	-1190	+ 6	+ 2
DOUGLAS SAND																				
BROWN LIME	3198	-1240	3201	-1243	3179	-1238	- 2	- 5	3202	-1241	+ 1	- 2	3202	-1253	+ 13	+ 10	3150	-1241	+ 1	- 2
LKC	3208	-1250	3211	-1253	3189	-1248	- 2	- 5	3212	-1251	+ 1	- 2	3212	-1263	+ 13	+ 10	3159	-1250	+ 0	- 3
LKC G	3275	-1317	3278	-1320	3258	-1317	+ 0	- 3	3280	-1319	+ 2	- 1	3280	-1331	+ 14	+ 11				
LKC H Porosity	3340	-1382	3340	-1382	3324	-1383	+ 1	+ 1	3346	-1385	+ 3	+ 3	3342	-1393	+ 11	+ 11				
LKC J	3368	-1410	3372	-1414	3352	-1411	+ 1	- 3	3373	-1412	+ 2	- 2	3376	-1427	+ 17	+ 13				
STARK SHALE	3388	-1430	3392	-1434	3375	-1434	+ 4	+ 0	3398	-1437	+ 7	+ 3	3398	-1449	+ 19	+ 15				
BKC	3412	-1454	3412	-1454	3397	-1456	+ 2	+ 2	3420	-1459	+ 5	+ 5	3415	-1466	+ 12	+ 12	3368	-1459	+ 5	+ 5
CONGLOMERATE					3403	-1462			3425	-1464										
ARBUCLE	3440	-1482	3443	-1485	3449	-1508	+ 26	+ 28	3455	-1494	+ 12	+ 9	3466	-1517	+ 35	+ 32	3395	-1486	+ 4	+ 1
RTD	3550	-1592	3550	-1592	3460	-1519	- 78	- 78	3482	-1521		- 71	3482				3495			
LTD	3548	-1590	3548	-1590	3455	-1514	- 76	- 76					3483	-1534	- 56	- 56	3495	-1586	- 4	- 4

PROGNOSIS	
ANHYDRITE	911 1047
HEEDNER	3115 -1157
LKC	3205 -1247
BKC	3405 -1447
ARBUCLE	3445 -1487
RTD	3550 -1592

**TESTED**  
**DST #1 LKC A-G 3193-3260**  
 300' GIP, 50' O&GCM, 100' MGO  
 SIP: 930-987#  
**DST #2 LKC H-J 3218-60**  
 1400' GIP, 65' HO&GCM, 60' VHO&GCM  
 290' MIDY GSY O SIP: 995-973#  
**DST #3 LKC J-K 3360-95**  
 180' GIP, 60' HOVGSYCM, 140' MGO  
 SIP: 1008-877#

**TESTED**  
**DST #1 LKC C-G 3245-92**  
 40' VSLOPM SIP: 860-875#  
**DST #2 LKC H-I 3335-75**  
 60' GIP, 40' SDCM SIP: 90-80#  
**DST #3 LKC J-K 3380-820**  
 5' OSMP, SIP: 70-50#  
**DST #4 ARBUCKLE 3422-65**  
 (-1461 / -1904)  
 20' M SIP: 400-275#

**TESTED**  
**DST #1 LKC 30' ZONE 3190-3245**  
 160' OCM&W SIP: 810-945#  
**DST #2 LKC 140' ZONE 3327-40**  
 45' SLOCMW (5% O, 60% G, 21% W)  
 60' GOCM (28% O, 52% G, 10% W)  
 SIP: 200-175#

**TESTED**  
**DST #1 LKC H 3278-3300**  
 5' MUD SIP: 355-48#  
**DST #2 LKC ARB 3398-3410**  
 (-1459 / -1505)  
 60' MO (40% O)  
 60' MO (60% O)  
 180' M&CLN GSY O (5% G, 55% O)  
 15' CLN GSY  
 SIP: 1136-1107#  
**DST #3 ARBUCKLE 3411-3415**  
 (-1506 / -1510)  
 120' W  
 60' WM (90% W)  
 60' SLOCM (5% O, 30% W)  
 15' CLN GSY O (10% G, 90% O)  
 SIP: 1350-1140#

**INFO**  
 MICT CO, PERF: 3360-66, 3322-28  
 3190-93, 3236-40, AC 4500 GAL  
 SWB 19.14 BO / 5 HRS  
 POP, STATE TST 25 BOPD 35% W

**INFO**

**INFO**

**INFO**

## MUD REPORTS

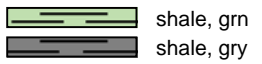
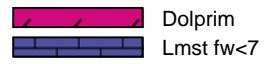
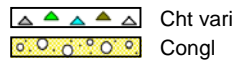
MUD COMPANY: MUD-CO/SERVICE MUD, INC. LINER SIZE: 6"  
 MUD ENGINEER: RICK HUGHES STROKE: 14"  
 SPM: 60

DATE	10/20/2012	10/21/2012	10/22/2012	10/23/2012	10/24/2012	10/25/2012	10/26/2012	10/27/2012	10/28/2012
Depth (Ft.)	0		925	2169	2900	3274	3379	3459	3467
Weight (lb/gal.)				9.8	8.7	9.1	9.05	9.1	9.1
Mud Gradient (psi/ft.)				0.51	0.452	0.473	0.471	0.473	
Funnel Viscosity (Sec/qt. API)				27	54	58	51	58	65
Plastic Viscosity cp				1	14	18	16	18	20
Yield Point (lb/100 sq.ft.)				1	13	13	10	12	13
Gel Strength 10 sec/10 min.				0/0	16/38	13/35	14/43	11/48	14/58
pH				7.0	11.5	11.0	10.5	10.5	11.0
Filtrate API (ml/30 min.)					8	6.8	7.2	7.6	7.2
Cake Thickness 32nd					1	1	1	1	1
Alkalinity, Mud (Pm)				0					
Alkalinity, Filtrate (Pp/Mf)				0/-	.95/-	.72/-	.45/-	.55/-	
Chloride Content, ppm	200			101K	3,500	5,000	7,100	7,300	7,900
Calcium, ppm	80			HVY	20	20	40	40	20
Sand Content (% by Vol)				TR	TR	TR	TR	TR	
Solids Content (% by Vol.)				4.7	2.7	5.4	4.6	5.3	5.3
Oil Content (% by Vol.)				0	0	0	0	0	0
Water Content (% by Vol.)			100	95.3	97.3	94.6	95.4	94.7	94.7
LCM, lbs/bbl.				0.0	0.0	0.0	0.0	0.0	0.0
Daily Mud \$			\$2,541.20	\$2,519.50	\$1,464.90	\$1,623.50	\$66.15	\$561.30	\$925.00
CUM. \$	\$0.00	\$0.00	\$2,541.20	\$5,060.70	\$6,525.60	\$8,149.10	\$8,215.25	\$8,776.55	\$9,701.55

## DRILL STEM TESTS

DST #	INTERVAL	FORMATION	TIMES	PRESS/TEMP	RECOVERY	BLOW
1	3203-3274 (ELog 3200 - 3271)	LKC A-F	15-45-15-45	IFP: 15-17# ISP: 505# FFP: 17-21# FSP: 397# HYD: 1559-1507# BHT: 99°	5' MUD	1st: ½" NO BLW BK 2nd: NO BLW, FLSHD TOOL NO BLW BK
2	3274-3351 (ELog 3271 - 3348)	LKC G&H	15-60-60-120	IFP: 19-41# ISP: 737# FFP: 47-105# FSP: 731# HYD: 1579-1532# BHT: 102° Rw: .27 @ 30° CHLOR: 65,000	130' SGMCO (10% G, 30% O, 40% M) 90' OSPMCW (80% W, 20% M) 50' GIP	1st: 8 ½" ¾" BLW BK, DIED IN 40" 2nd: BOB in 22" ½" BLW BK, DIED IN 55"
3	3350-3425 (ELog 3347 - 3422)	LKC I-K	15-45-45-90	IFP: 17-21# ISP: 970# FFP: 25-34# FSP: 935# HYD: 1625-1608# BHT: 100°	44' VSGOCM (5% G, 25% O, 70% M) 1' FREE OIL	1st: ½" BLW NO BLW BK 2nd: 1¾" BLW NO BLW BK
4	3411-3459 (ELog 3408 - 3456)	ARBUCKLE	15-60-60-90	IFP: 21-77# ISP: 1,112 FFP: 82-159# FSP: 1,087# HYD: 1,678-1,637# BHT: 105°	180' VSGOCM (5% G, 35% O, 60% M) 260' SGO (10% G, 90% O) 110' GIP Gr: 36	1st: 8" BLW NO BLW BK 2nd: BOB in 21" VERY WEAK SURFACE BLW, DIED IN 23"
5	3459-3467 (ELog 3456 - 3464)	ARBUCKLE	15-60-60-90	IFP: 17-80# ISP: 1,112 FFP: 87-192# FSP: 1,088# HYD: 1,708-1,657# BHT: 103°	10' MCO (60% O, 40% M) 505' Gassy Oil (25% G, 75% O) 170' GIP Gr: 36	1st: BOB in 11" IS: 1" Blo -3/4" at shut-in 2nd: BOB in 12" VERY WEAK SURFACE BLW, DIED IN 40"

## ROCK TYPES



### ACCESSORIES

#### MINERAL

- ∠ Dolomitic
- ∴ Varicolored chert
- △ Chert White
- ∕ Euhed rhombs of dol or

#### FOSSIL

- ∩ Bioclastic or Fragmental
- F Fossils < 20%
- Ostracod

#### TEXTURE

- C Chalky

### OTHER SYMBOLS

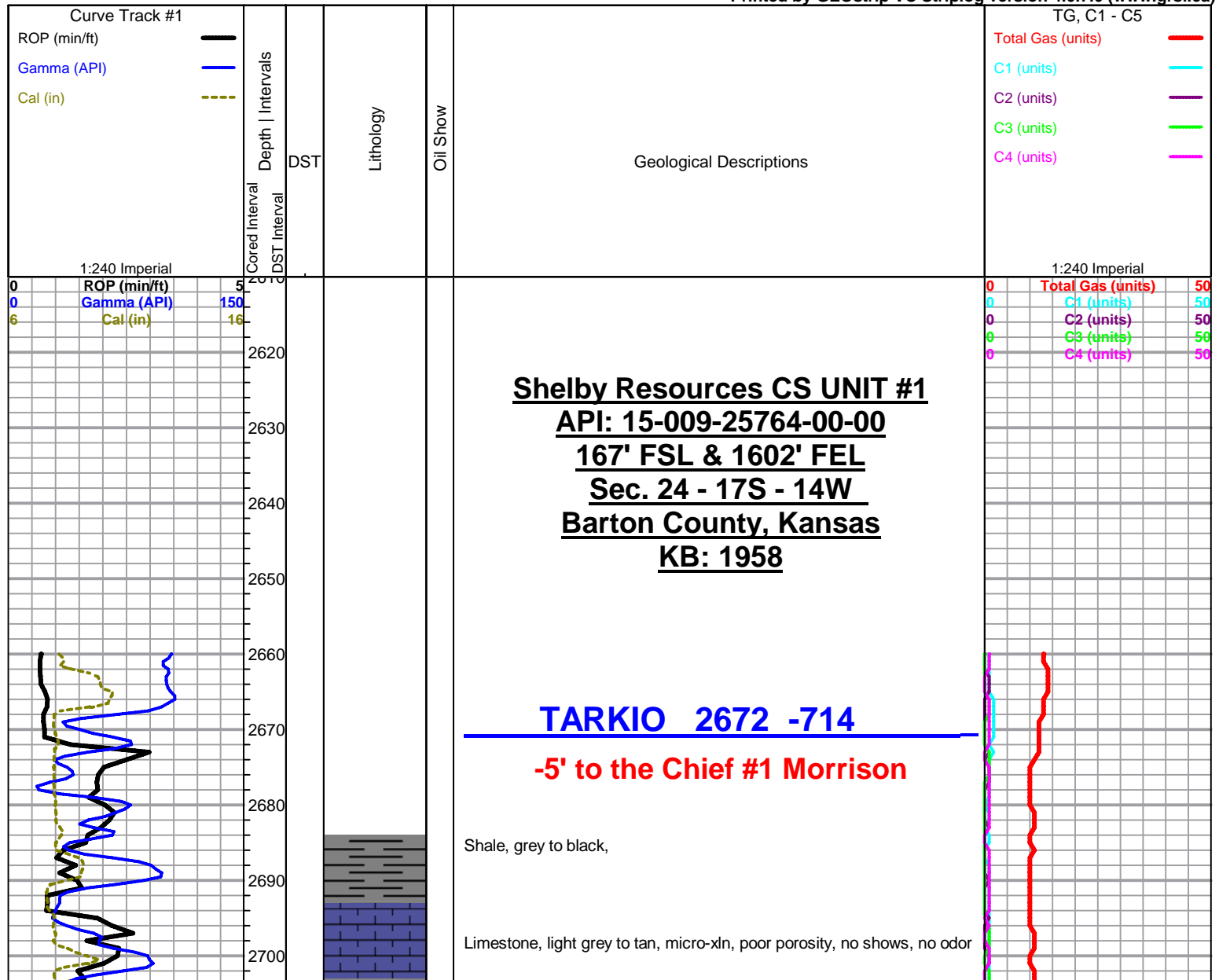
#### MISC

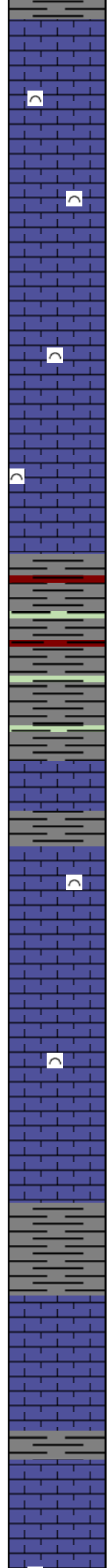
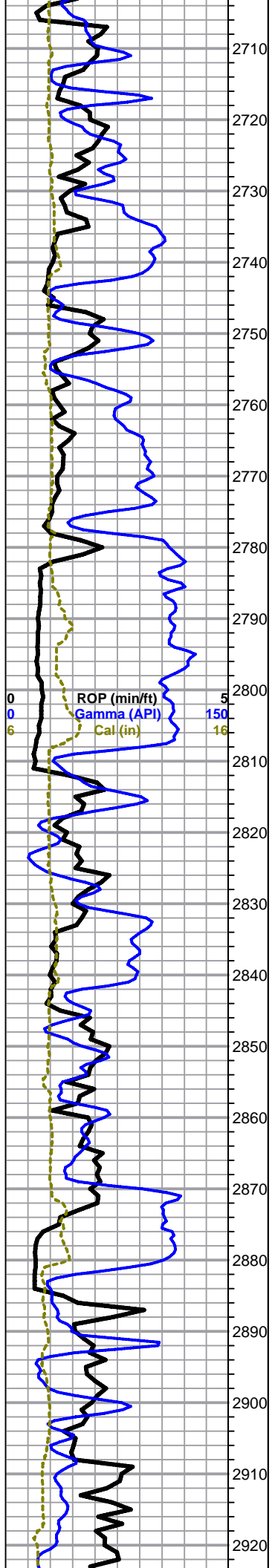
- DR Daily Report
- 📷 Digital Photo
- 📄 Document
- 📁 Folder
- 🔗 Link
- 📊 Vertical Log File
- 📊 Horizontal Log File
- 👤 Core Log File
- 📊 Drill Cuttings Rpt

#### DST

- DST Int
- DST alt
- Core
- tail pipe

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Limestone as above, fossiliferous, poor porosity, no shows, no odor

as above

Shale, vari-colored, gray-silver to green, some red, soft, rounded, dense

**HOWARD 2812 -854**  
**-3' to the Chief #1 Morrison**

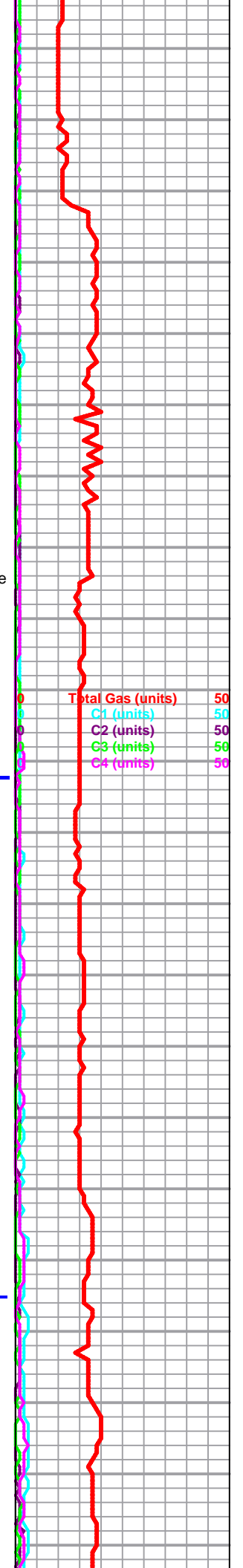
Limestone, cream to tan, micro-crypto xln, some fossiliferous, poor porosity, no shows, no odor

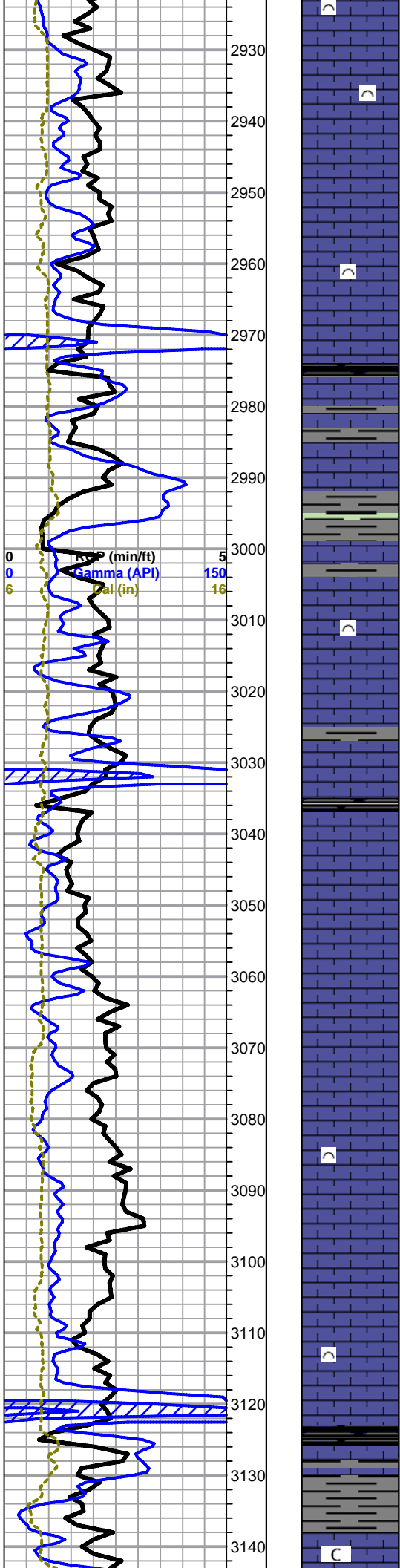
Limestone as above

Shale, grey

**TOPEKA 2885 -927**  
**-2' to the Chief #1 Morrison**

Limestone, cream to light gray, poor porosity, no shows, no odor





Limestone as above, fossiliferous

**KING HILL 2974 -1016**

Black carbonaceous shale

Shale, gray, some green, soft

Limestone, cream to light gray, micro-crypto xln, fossiliferous, poor porosity, no shows, no odor

**QUEEN HILL 3034 -1076**

Black carbonaceous shale

Limestone, cream to tan, micro-crypto xln, poor porosity, scattered slight stain, slight show free oil, poor odor

Limestone, cream to tan, micro-crypto xln, some fossiliferous, no shows, no odor

Limestone, cream to tan, micro-crypto xln, fossiliferous, poor porosity, no shows, no odor

**HEEBNER 3122 -1164**

Shale, black carbonaceous, dense, blocky

**TORONTO 3141 -1183**

Total Gas (units) 50  
 C1 (units) 50  
 C2 (units) 50  
 C3 (units) 50  
 C4 (units) 50

Limestone, cream to white, some light gray, micro-crypto xln, fossiliferous, chalky, occasional chert, poor porosity, no shows, no odor

### Douglas 3146 -1188

Shale, vari-colored, Grey to green with some red

### BROWN LIME 3201 -1243

Limestone, tan to light brown, micro-xln, poor porosity, no shows, no odor

### LANSING 3211 -1253

Limestone, cream, micro-xln, slight spotty stain, scattered vuggy oomoldic porosity, no odor in cup

**LKC B Zone** - Limestone, micro-crypto xln, some gray oolitic, weak spotty stain, one or two free floating globules, decreasing porosity, no odor

DST 1.jpg

Limestone, cream, micro-crypto xln, fossiliferous, some oolitic, trace chert, very slight spotty stain, scattered pinpoint porosity, no odor

Limestone, cream, micro-xln, fossiliferous, slight staining, scattered pinpoint porosity, fair odor

### LKC G Zone 3279 -1321

DST 2.jpg

Limestone, cream to gray, micro-xln, fossiliferous, very slight stain on a few pieces, poor overall porosity, fair fluorescence, trace oolitic chert, very slight odor in wet cup

Limestone, cream to gray, micro-crypto xln, fossiliferous, poor visible porosity, no shows, no odor

3300 sample, LS, cream, oolitic to oomoldic, slight stain, scattered pinpoint porosity, scattered development, slight odor in wet cup

3310, Limestone, cream, oomoldic, scattered white chalk, light scattered to saturated stain, good inter-castic connectivity, fair show free oil, fair odor in wet cup

3320, LS, cream to white, oolitic to slightly oomoldic, chalky, slight scattered edge stain, decreasing porosity, very slight odor in wet cup

3330, LS, cream, micro-xln, some oolitic to very slightly oomoldic, poor overall visible porosity, no odor, no shows

3340, LS as above, one chip with slight edge stain, poor porosity, no odor

### LKC H Zone 3337 -1379

LS, cream to gray, well developed, very fine consistent pinpoint porosity, mostly saturated light brown stain, no show free oil, & oomoldic with dead black stain, vuggy porosity, strong odor in wet cup

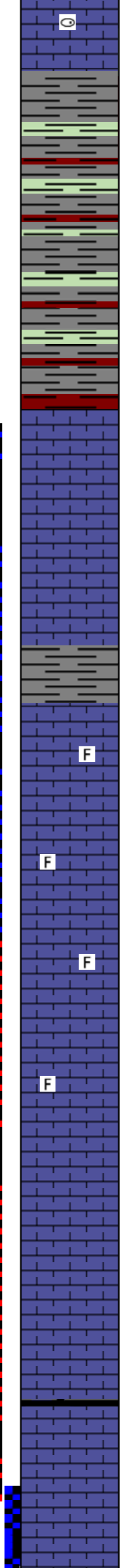
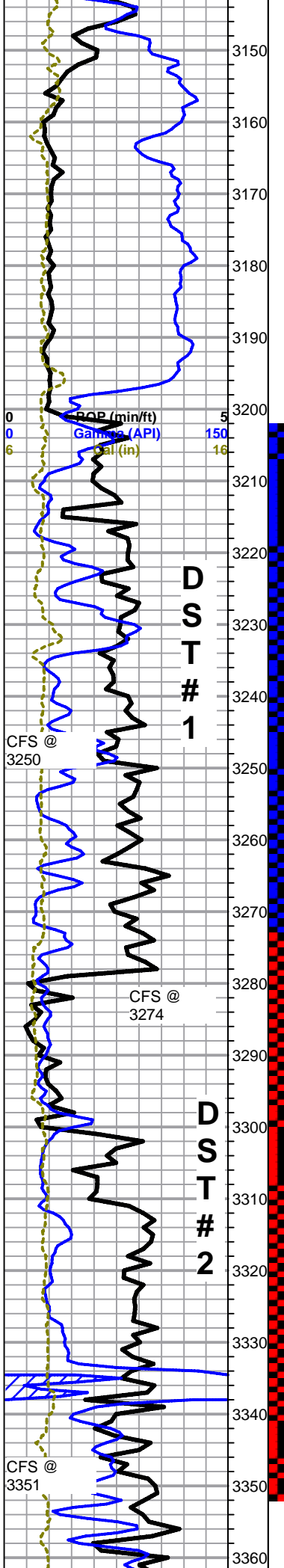
LS, cream to gray, micro-xln, some fossiliferous, scattered light brown stain, poor visible porosity, poor to fair odor

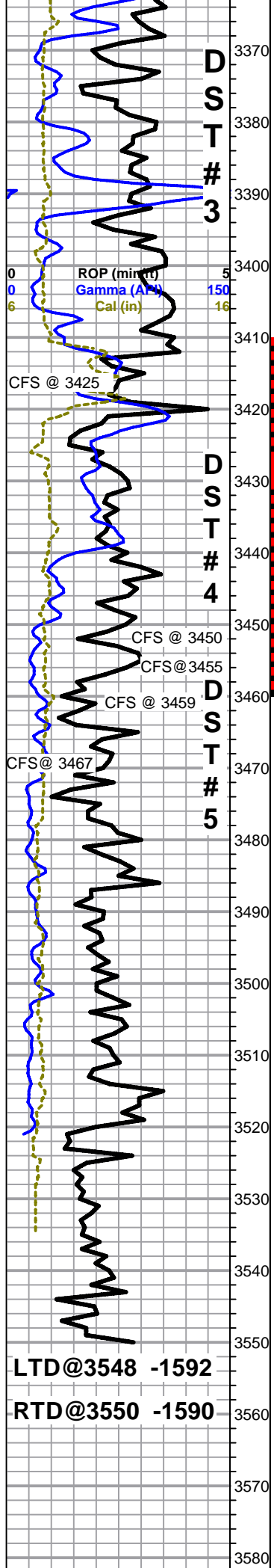
Total Gas (units) 50  
C1 (units) 50  
C2 (units) 50  
C3 (units) 50  
C4 (units) 50

Short Trip Survey

DST#1 LKC A-F  
3203' - 3274'

DST #2  
LKC G-H  
3274' - 3351'





DST 3.jpg

**LKC J Zone 3372 -1414**

D LS, cream to tan, micro-xln, some scattered black dead oil stain, poor visible porosity, very faint odor in cup

**Stark Shale 3393 -1435**

Black Carbonaceous shale

LS, cream to tan, micro-xln, some fossiliferous, slightly oolitic to oomoldic, scattered light brown stain, scattered pinpoint porosity, very faint odor in wet cup

LS, cream to white, micro-xln, well developed inter-oolitic porosity, some very light brown stain, instant bright white fluorescence, poor to fair odor

LS, cream to white, micro-xln, slightly oolitic scattered development, poor to fair porosity, weak spotty stain, bright white fluorescence, LS, white, dense, well cemented, poorly developed, minimal visible porosity with scattered qtz inclusions, LS, tan, vf-f xln, vf pinpoint porosity, questionable stain, fair fluorescence, faint odor in wet cup

**BKC 3415 -1457**

Shale, gray, green, red, red wash and gummy argillaceous clumps, sl sandy

Conglomerate, unconsolidated, red, green, and gray shale, some pink to cream chert

Conglomerate- Chert/Dolomite, Yellow Tan Red, sharp angular FXLN chert, Dolomite- Few chips of FXLN, dense, well cemented, tight w/ XLN porosity, clean & barren

DST 4.jpg

**Arbuckle 3443 -1485**

3450' - Dolomite- Wh/Off Wh- F-Med XLN, loosely cemented, sctrd fn ppt porosity, SCTRD DRK STN, NSFO, FR ODR, FLOR, SL STRM WET CUT 40" White, reworked & unconsolidated, sandy, loosely cemented, sctrd fn porosity, few Med XLN chips, GD STN, NSFO, GOOD ODR, few chips w/ white sl cherty cementation

60" F-Crs XLN, well cemented, poorly developed, sctrd fn ppt porosity, few chips consolidated & tight, sctrd XLN porosity, some barren porosity, ALL W/ SCTRD LT BRWN STN, NSFO, STRONG ODR

DST 5.jpg

3455' A/A, few chips of Tan Buff, Med XLN, buff- massive, vry well cemented, tight w/ minimal vis. - micro XLN porosity, mostly barren, Tan- Med XLN, well cemented, sctrd XLN porosity, SCTRD LT BRWN STN, NSFO, FR-GD ODR 40" mix of Fn-Med grn sandy dolomite, sl unconsolidated, friable, DRK BRWN STN, SL-FR SFO, Med-Crs XLN, sctrd development, few moderately well developed w/ few vis. rhombs, sctrd ppt porosity, DRK BRWN STN, SL-FR SFO, GD ODR, few chips of dense cherty dolomite, 1-2 oolitic, much gummy argillaceous white clumps

60" much mostly consolidated fn grn sandy dolomite (completley dissolved cement in HCL), friable w/ dolomitic cementation, GD DRK STN, FR SFO, GD ODR, mixed w/ some Med XLN, sctrd fn ppt & XLN porosity, FR DRK STN, SL-FR SFO, few chips of FXLN, sl sucrosic, well developed w/ fn ppt porosity, LT STN, NSFO, ALL W/ GD ODR

3459' 20"- Tan Cream, FNXLN, dense & well cemented, sctrd XLN development, sctrd XLN & fn ppt porosity, few chips w/ white siliceous cementation, SCTRD LT BROWN STN, NSFO, GD ODR

40"- Cream Tan, Med-Crs XLN, moderately well developed euhedral rhombs, sctrd white siliceous cementation, sctrd fn ppt porosity, GD DRK STN, FR-GD SFO, GD-STRONG ODR, sctrd gummy white argillaceous clumps, SL GSY SHN ON SAMPLE CUP

60"- A/A, Med XLN, failly well developed euhedral rhombs, GD ppt interXLN porosity, DRK STN, (mostly saturated), GD SFO, FEW W/ SL BLEEDING FO UNDER LAMP, GD-STRNG ODR

3467' - Dolomite, cream-white-tan, vf-f xln, dense, very well cemented, minimal visible porosity, much barren porosity, med-coarse xln, scatterd development, fair to good pinpoint porosity, some coarse xln, poorly developed with minimal visible porosity, very scattered light stain, NSFO, some coarse, xln, moderately developed, scattered fine pinpoint, fair dark stain, show free oil, few chips med-coarse xln, slightly developed euhedral rhombs, fair to good dark stain, fair show free oil, all with good odor, few chip med xln, sandy and friable with scattered black residual stain, NSFO, few chips various light colored chert with secondary dolomite

3480' cream to tan, f-med xln, slightly oolitic to very slightly oomoldic, scattered fair pinpoint porosity, good dark stain, very slight odor in wet cup, NSFO

DST #3  
LKC I - K  
3350' - 3425'

Total Gas (units) 50  
C1 (units) 50  
C2 (units) 50  
C3 (units) 50  
C4 (units) 50

DST #4  
ARBUCKLE  
3411' - 3459

DST #5  
ARBUCKLE  
3459 - 3467

			3490' tan to white, 1-2 chips f-vf xln w/lyrite inclusions, oolitic to slightly oomoldic, well cemented, tight with poor visible porosity. Also med xln, some well developed with fair to good pinpoint porosity, good dark saturated stain, fair to good sheen in wet cup, strong odor		
		3590			
0	ROP (min/ft)	5			
0	Gamma (API)	150	3500' cream to white, f-med xln, moderately developed with slight euhedral rhombs, oolitic to oomoldic w/ some cherty cementation, one chip with one large cavern, overall fair to poor visible porosity, very minimal edge stain. Also med xln with scattered fair to good pinpoint porosity, scattered light brown stain, some black dead residual stain, good sheen and strong odor in wet cup	0	Total Gas (units) 50
6	Cal (in)	16		0	C1 (units) 50
		3610		0	C2 (units) 50
		3620	3510' cream to white, f-med xln, some dark brown to very light brown saturated stain, bright white fluorescence with instant cut, fair to poor visible porosity. Also vf-f xln, few chips oomoldic, fair to poor visible porosity. Some white/pink chert. Strong odor and good sheen in wet cup	0	C3 (units) 50
		3630		0	C4 (units) 50
		3640	3520' cream to white, f-med xln, few chips moderately developed w/ scattered slight pinpoint porosity, very light brown saturated stain, slow streaming bright fluorescence, Strong odor and good sheen in wet cup. One chip med xln, very well developed with very good inter-xln porosity, saturated brown to black stain		
		3650			
		3660	3530' cream to white, f-vf xln, scattered slight pinpoint porosity, overall poor visible porosity, very scattered light brown stain, some chalk, fair sheen and odor in wet cup		
		3670	3540' cream to white, vf-f xln, some oolitic to slightly oomoldic, few chips oolitic chert, some chalk, no shows		
		3680	3550' 20", cream to white, vf-f, some with vf pyrite inclusions, tight w/ poor to no visible porosity, chalky, no shows		
		3690	40" as above, very chalky, no shows		
			60" as above, very chalky with some white chert, no shows		





**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

Shelby Resources, LLC

**24-17-14, Barton, KS**

2717 Canal Blvd.  
Suite C Hays KS 67601

**CS Unit #1**

Job Ticket: 50783

**DST#: 1**

ATTN: Jermy Schwartz

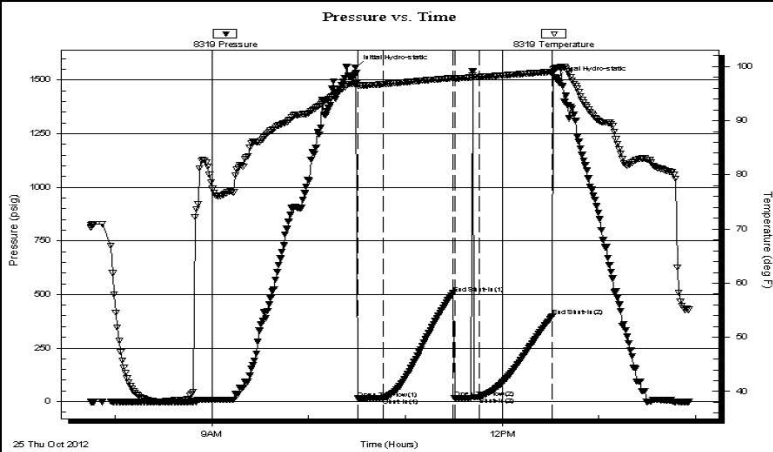
Test Start: 2012.10.25 @ 07:45:00

**GENERAL INFORMATION:**

Formation: **KC "A-F"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 10:30:30  
 Time Test Ended: 13:56:00  
**Interval: 3203.00 ft (KB) To 3274.00 ft (KB) (TV D)**  
 Total Depth: 3274.00 ft (KB) (TV D)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Brett Dickinson  
 Unit No: 59  
 Reference Elevations: 1958.00 ft (KB)  
 1949.00 ft (CF)  
 KB to GR/CF: 9.00 ft

**Serial #: 8319 Outside**  
 Press@RunDepth: 20.79 psig @ 3204.00 ft (KB)  
 Start Date: 2012.10.25 End Date: 2012.10.25  
 Start Time: 07:45:05 End Time: 13:55:59  
 Capacity: 8000.00 psig  
 Last Calib.: 2012.10.25  
 Time On Btm: 2012.10.25 @ 10:29:00  
 Time Off Btm: 2012.10.25 @ 12:33:00

**TEST COMMENT:** IF-1/8in blow  
 IS-No blow  
 FF-No blow Flush Tool No blow  
 FSI-No blow



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1558.84	96.83	Initial Hydro-static
2	14.64	96.51	Open To Flow (1)
17	16.53	96.74	Shut-In(1)
61	505.41	97.85	End Shut-In(1)
62	17.33	97.76	Open To Flow (2)
77	20.79	98.08	Shut-In(2)
122	397.24	99.01	End Shut-In(2)
124	1507.43	99.70	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
5.00	Mud	0.02

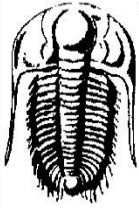
**Gas Rates**

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

# DRILL STEM TEST REPORT

Shelby Resources, LLC  
 2717 Canal Blvd.  
 Suite C Hays KS 67601  
 ATTN: Jermy Schwartz

**24-17-14, Barton, KS**  
**CS Unit #1**  
 Job Ticket: 50784 **DST#: 2**  
 Test Start: 2012.10.25 @ 23:40:00



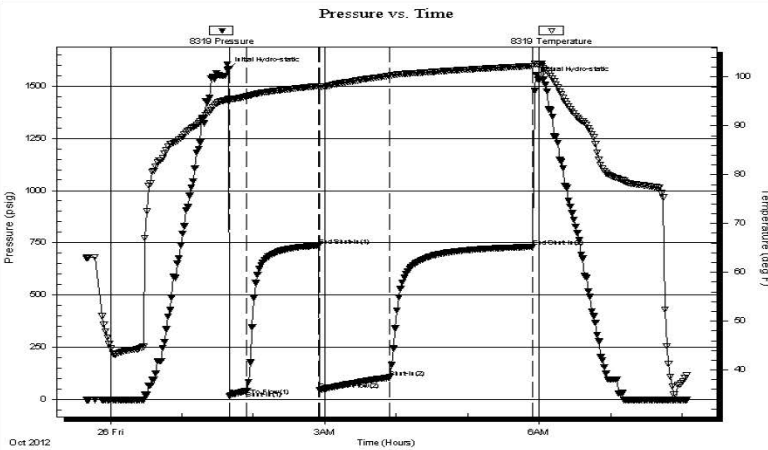
**TRILOBITE TESTING, INC.**

**GENERAL INFORMATION:**

Formation: **KC"G,H"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 01:40:00  
 Time Test Ended: 08:04:00  
**Interval: 3274.00 ft (KB) To 3351.00 ft (KB) (TVD)**  
 Total Depth: 3351.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Brett Dickinson  
 Unit No: 59  
 Reference Elevations: 1958.00 ft (KB)  
 1949.00 ft (CF)  
 KB to GR/CF: 9.00 ft

**Serial #: 8319 Outside**  
 Press@RunDepth: 104.60 psig @ 3275.00 ft (KB)  
 Start Date: 2012.10.25 End Date: 2012.10.26  
 Start Time: 23:40:05 End Time: 08:03:59  
 Capacity: 8000.00 psig  
 Last Calib.: 2012.10.26  
 Time On Btm: 2012.10.26 @ 01:38:30  
 Time Off Btm: 2012.10.26 @ 05:59:00

**TEST COMMENT:** IF-8.5in blow  
 ISL-1/4in blow died in 40min  
 FF-BOB in 22min  
 FSI-1/2in blow died in 55min



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1578.99	95.41	Initial Hydro-static
2	18.71	95.28	Open To Flow (1)
16	40.92	96.03	Shut-In(1)
77	736.71	98.17	End Shut-In(1)
78	47.29	98.03	Open To Flow (2)
136	104.60	100.27	Shut-In(2)
256	730.57	102.28	End Shut-In(2)
261	1531.87	102.63	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
90.00	Oilspotted MCW 80%W 20%M	0.44
130.00	SGMCO 10%G 50%O 40%M	0.73
0.00	50ft gip	0.00

\* Recovery from multiple tests

**Gas Rates**

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

# DRILL STEM TEST REPORT

Shelby Resources, LLC  
 2717 Canal Blvd.  
 Suite C Hays KS 67601  
 ATTN: Jermy Schwartz

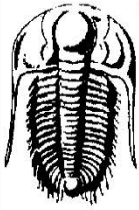
24-17-14, Barton, KS

CS Unit #1

Job Ticket: 50785

DST#: 3

Test Start: 2012.10.26 @ 17:20:00



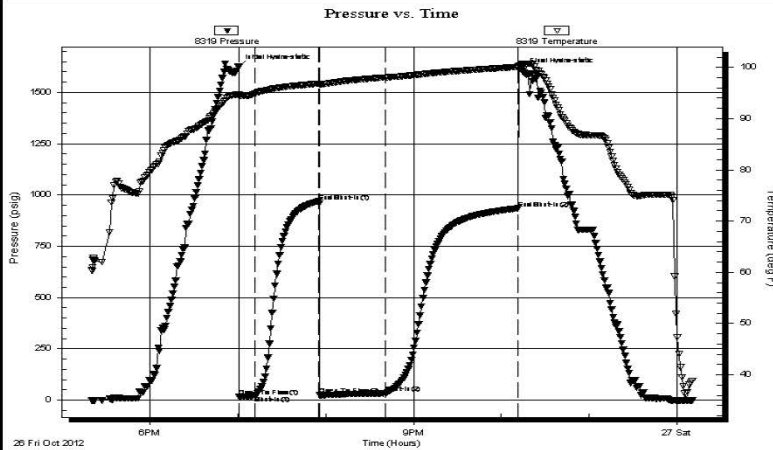
**TRILOBITE TESTING, INC.**

**GENERAL INFORMATION:**

Formation: **KC"l-K"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 19:01:00  
 Time Test Ended: 00:10:30  
 Interval: **3350.00 ft (KB) To 3425.00 ft (KB) (TVD)**  
 Total Depth: 3425.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Brett Dickinson  
 Unit No: 59  
 Reference Elevations: 1958.00 ft (KB)  
 1949.00 ft (CF)  
 KB to GR/CF: 9.00 ft

**Serial #: 8319 Outside**  
 Press@RunDepth: 33.84 psig @ 3351.00 ft (KB)  
 Start Date: 2012.10.26 End Date: 2012.10.27  
 Start Time: 17:20:05 End Time: 00:10:29  
 Capacity: 8000.00 psig  
 Last Calib.: 2012.10.27  
 Time On Btm: 2012.10.26 @ 19:00:00  
 Time Off Btm: 2012.10.26 @ 22:14:00

**TEST COMMENT:** IF-1/2in blow  
 ISI-No blow  
 FF-1.75in blow  
 FSI-No blow



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1625.26	94.73	Initial Hydro-static
1	16.57	94.36	Open To Flow (1)
12	21.07	94.85	Shut-In(1)
55	969.82	96.83	End Shut-In(1)
56	24.72	96.64	Open To Flow (2)
101	33.84	98.03	Shut-In(2)
192	935.01	100.10	End Shut-In(2)
194	1607.81	100.63	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
44.00	VSGOCM 5%G 25%O 70%M	0.22
1.00	Free Oil	0.00

\* Recovery from multiple tests

**Gas Rates**

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

Shelby Resources, LLC

**24-17-14, Barton, KS**

2717 Canal Blvd.  
Suite C Hays KS 67601

**CS Unit #1**

Job Ticket: 50786

**DST#: 4**

ATTN: Jermy Schwartz

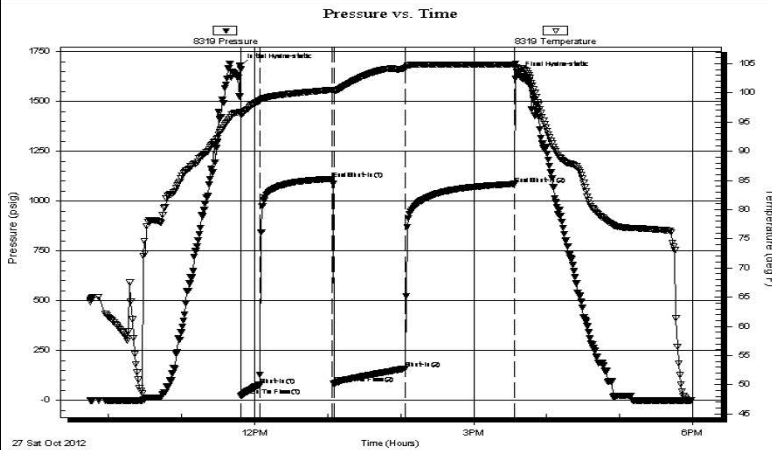
Test Start: 2012.10.27 @ 09:45:00

**GENERAL INFORMATION:**

Formation: **Arb.**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 11:49:00  
 Time Test Ended: 17:58:30  
 Interval: **3411.00 ft (KB) To 3459.00 ft (KB) (TV D)**  
 Total Depth: 3459.00 ft (KB) (TV D)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Brett Dickinson  
 Unit No: 59  
 Reference Elevations: 1958.00 ft (KB)  
 1949.00 ft (CF)  
 KB to GR/CF: 9.00 ft

**Serial #: 8319 Outside**  
 Press@RunDepth: 159.29 psig @ 3412.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2012.10.27 End Date: 2012.10.27 Last Calib.: 2012.10.27  
 Start Time: 09:45:00 End Time: 17:58:30 Time On Btm: 2012.10.27 @ 11:48:00  
 Time Off Btm: 2012.10.27 @ 15:36:30

**TEST COMMENT:** IF-8in blow  
 IS- No blow  
 FF-BOB in 21min  
 FSI-Very weak surface blow died in 23min



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1678.37	96.76	Initial Hydro-static
1	21.27	96.25	Open To Flow (1)
16	77.34	98.62	Shut-In (1)
76	1111.88	100.52	End Shut-In (1)
77	82.18	100.30	Open To Flow (2)
136	159.29	104.24	Shut-In (2)
226	1086.55	104.87	End Shut-In (2)
229	1636.68	104.26	Final Hydro-static

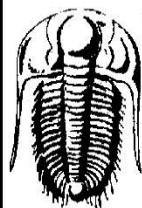
**Recovery**

Length (ft)	Description	Volume (bbl)
180.00	VSGOCM 5%G 35%O 60%M	0.89
260.00	SGO 10%G 90%O	3.37
0.00	110ft GIP	0.00

\* Recovery from multiple tests

**Gas Rates**

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Shelby Resources, LLC

24-17-14, Barton, KS

2717 Canal Blvd.  
Suite C Hays KS 67601

**CS Unit #1**

Job Ticket: 50787

**DST#: 5**

ATTN: Jermy Schwartz

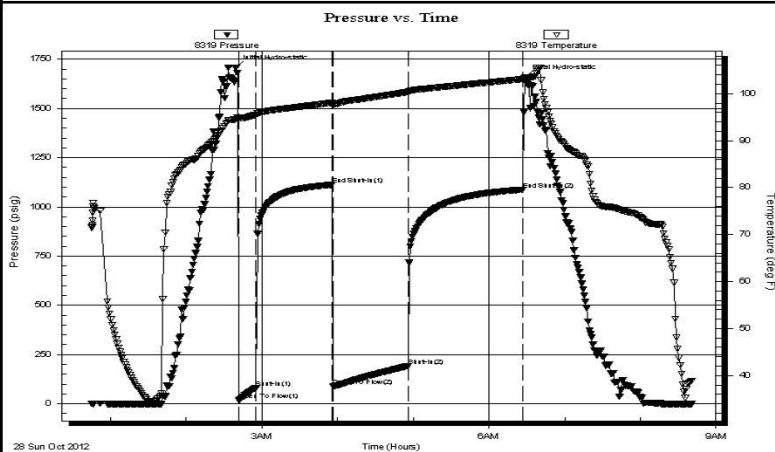
Test Start: 2012.10.28 @ 00:45:00

### GENERAL INFORMATION:

Formation: **Arb.**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 02:41:30  
 Time Test Ended: 08:41:00  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Brett Dickinson  
 Unit No: 59  
**Interval: 3459.00 ft (KB) To 3467.00 ft (KB) (TVD)**  
 Total Depth: 3467.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Reference Elevations: 1958.00 ft (KB)  
 1949.00 ft (CF)  
 KB to GR/CF: 9.00 ft

**Serial #: 8319 Outside**  
 Press@RunDepth: 192.41 psig @ 3460.00 ft (KB)  
 Start Date: 2012.10.28 End Date: 2012.10.28 Capacity: 8000.00 psig  
 Start Time: 00:45:05 End Time: 08:40:59 Last Calib.: 2012.10.28  
 Time On Btm: 2012.10.28 @ 02:39:30  
 Time Off Btm: 2012.10.28 @ 06:28:30

**TEST COMMENT:** IF-BOB in 11min  
 ISI-1in blow died back to 3/4in  
 FF-BOB in 12min  
 FSI-Very weak surface blow died in 40min



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1708.04	94.56	Initial Hydro-static
2	16.99	94.91	Open To Flow (1)
16	80.52	95.51	Shut-In(1)
76	1112.11	98.07	End Shut-In(1)
77	87.90	97.85	Open To Flow (2)
137	192.41	100.33	Shut-In(2)
227	1087.72	103.07	End Shut-In(2)
229	1657.33	103.30	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
10.00	MCO 60%O 40%M	0.05
505.00	GO 25%G 75%O	5.26
0.00	170ft GIP	0.00

\* Recovery from multiple tests

### Gas Rates

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

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  
Thomas E. Wright, Commissioner  
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

February 15, 2013

Chris Gottschalk  
Shelby Resources LLC  
445 Union Boulevard  
Suite 208  
LAKEWOOD, CO 80228

Re: ACO1  
API 15-009-25764-00-00  
C-S Unit 1  
SE/4 Sec.24-17S-14W  
Barton 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,  
Chris Gottschalk