



WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Confidentiality Requested:

Yes  No

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: \_\_\_\_\_

1249444

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
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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
<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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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# Black Tea Oil, LLC

## Krebes Q-1

### Completion Report

Gove County

Sec. 30

Twp. 14S

Rge. 31W

TD-4409'

Perfs- morrow-4350-62', johnsons-4334-36', 4314-22', Ft Scott--4236-40', Pawnee-4198-4200', Alt-4180-90', Marm A-4106-12' J-3980-86', F-3854-60'

2/18/14

MIRU K&M Well service, shut down.

2/19/14

MIRU Dans Packer and RIH with shifting tool and located port collar at 2145', MIRU Allied Cementing and cemented port collar with 375 sks, ran 10 joints and washed clean, pulled tubing and started swabbing well down, shut down.

2/20/14

MIRU Kansas Acid and dumped 36 bbl acid down well to perforate in, MIRU Pioneer wireline and perforated the Morrow-4350-62', Johnsons-4334-36', 4314-22', MIRU Kansas Acid and treated with 4000 gal 15% INS and 1500 # rock salt, @ 8.5 bbl min @ 1200#, ISIP- 700#, total load-202 bbl, flowed back 28 bbl, started swabbing, Fluid level- 3200' from surface 12% oil, shut down.

2/21/14

Checked overnight fill up, 2000' from surface, 300' of oil, started testing, 1st hour- 54 bbl 22% oil, 2nd hour- 9 bbl-35% oil, down to 60' a pull, went to 20 min pulls getting 200'- 7% oil, 3rd hour- 13 bbl- 7% oil, MIRU Pioneer wireline and perforated the F- 3854-60', J- 3980-86', MIRU Dans Packer and RIH with plug and packer and isolated the J-3980-86' and swabbed down, shut down.

2/24/14

Checked overweekend fill on the J- 1900' from surface 6% oil, swabbed down-10.4 bbl, started testing- 1st 15 min- 50' water with a scum of oil, 2nd- 40' scum of oil, 3rd- 40' scum oil, moved tools up and isolated the F- 3854-60', swab tested, swab down-3.48 bbl, MIRU Kansas Acid and treated with

150 gal 20%, broke at 1900#, feeding at .25 bbl min at 800#, inc. rate to .5 bbl a min at 900#, ISIP- 650# total load- 29 bbl started swabbing, swab down 22 bbl, swabbed dry, did a 15 min test- 20', no show of oil, pulled tools.

2/25/14

MIRU Pioneer wireline and perforated Ft Scott-4236-40', pawnee-4198-4200', Alt-4180-90', Marm. A-4106-12', RIH with plug and packer and isolated the Ft Scott, pawnee, Alt. and treated with 1500 gal 20% INS and 1000# rock salt at 7.5 bbl min at 900#, swabbed down, 15min-v100' acid water, moved up and treated the marm. A with 1250 gal 20% INS 3 bbl min 1300#, swab down- 27 bbl, RBIH- no fluid entr, shut down.

2/26/14

Checked overnigh fill, 3900' from surface all acid water, released tools and went to bottom and started swabbing, 1st hour - 36 bbl show of oil, isolated the morrow- 12 bbl scum of oil, pulled tools RDMO.

Took tubing to the S-1

## Summary of Changes

Lease Name and Number: Krebs Q 1

API/Permit #: 15-063-22169-00-00

Doc ID: 1249444

Correction Number: 1

Approved By: NAOMI JAMES

Field Name	Previous Value	New Value
Amount of Surface Pipe Set and Cemented at	250	257
Approved Date	04/30/2014	04/27/2015
CasingPurposeOfString PDF_1	SURFACE	Surface
CasingPurposeOfString PDF_2	PRODUCTION	Production
CasingSettingDepthPDF F_1	250	257
CasingSettingDepthPDF F_2	4450	4446
CasingWeightPDF_1	16	23
CasingWeightPDF_2	20	15.5
If Alternate II Completion - Cement Circulated From		2145
If Alternate II Completion - Cement Circulated To		0

Summary of changes for correction 1 continued

Field Name	Previous Value	New Value
If Alternate II Completion - Sacks of Cement	450	375
Kelly Bushing Elevation	2712	2714
Method Of Completion - Commingled	No	Yes
Multiple Stage Cementing Collar Depth	2100	2145
Perf_Record_1		see attached report
Plug Back Total Depth	4450	4409
Producing Formation	KANSAS CITY / JOHNSON	see attached report
Save Link	../../../../kcc/detail/operatorEditDetail.cfm?docID=1202084	../../../../kcc/detail/operatorEditDetail.cfm?docID=1249444
TopsDatum1	-1307	-1636
TopsDatum2		-1600
TopsDatum3		-1522
TopsDatum4		-1484
TopsDatum5		-1466

Summary of changes for correction 1 continued

Field Name	Previous Value	New Value
TopsDatum6		-1392
TopsDatum7		-1140
TopsDepth1	4019	4350
TopsDepth2		4314
TopsDepth3		4236
TopsDepth4		4198
TopsDepth5		4180
TopsDepth6		4106
TopsDepth7		3854
TopsName1	KASNAS CITY	morrow
TopsName2		johnson
TopsName3		ft scott
TopsName4		pawnee



Summary of changes for correction 1 continued

Field Name	Previous Value	New Value
TopsName5		altamont
TopsName6		marmaton
TopsName7		kansas city
Total Depth	4450	4451

## Summary of Attachments

Lease Name and Number: Krebs Q 1

API: 15-063-22169-00-00

Doc ID: 1249444

Correction Number: 1

Attachment Name



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1202084  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed

Form must be Signed

All blanks must be Filled

# CONFIDENTIAL 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: \_\_\_\_\_

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 Geologist Report / Mud Logs <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
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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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

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

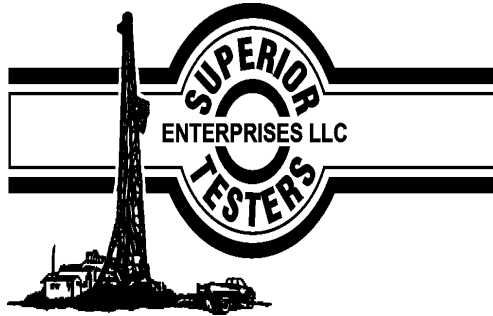
Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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## DRILL STEM TEST REPORT

Prepared For: **Black Tea Oil, LLC**

1011 Centennial Blvd  
Hays Ks, 67601

ATTN: Chris Leiker

**Krebs Q #1**

**30/14s/31w/Gove**

Start Date: 2014.02.10 @ 16:20:00

End Date: 2014.02.11 @ 06:57:00

Job Ticket #: 19201                      DST #: 1

Superior Testers Enterprises LLC  
PO Box 138 Great Bend KS 67530  
1-800-792-6902

Printed: 2014.02.11 @ 07:45:12



# DRILL STEM TEST REPORT

Black Tea Oil, LLC

30/14s/31w/Gove

1011 Centennial Blvd  
Hays Ks. 67601

Krebs Q #1

Job Ticket: 19201

DST#: 1

ATTN: Chris Leiker

Test Start: 2014.02.10 @ 16:20:00

## GENERAL INFORMATION:

Formation: **Johnson- Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:38:00

Time Test Ended: 06:57:00

Test Type: Conventional Straddle (Initial)

Tester: Shane Konzem

Unit No: 3330/50/Scott City

Interval: **4300.00 ft (KB) To 4370.00 ft (KB) (TVD)**

Reference Elevations: 2710.00 ft (KB)

Total Depth: 4460.00 ft (KB) (TVD)

2705.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 5.00 ft

Serial #: **6806**

Inside

Press@RunDepth: 185.85 psig @ 4293.25 ft (KB)

Capacity: 5000.00 psig

Start Date: 2014.02.10

End Date:

2014.02.11

Last Calib.:

2014.02.11

Start Time: 16:20:00

End Time:

06:57:00

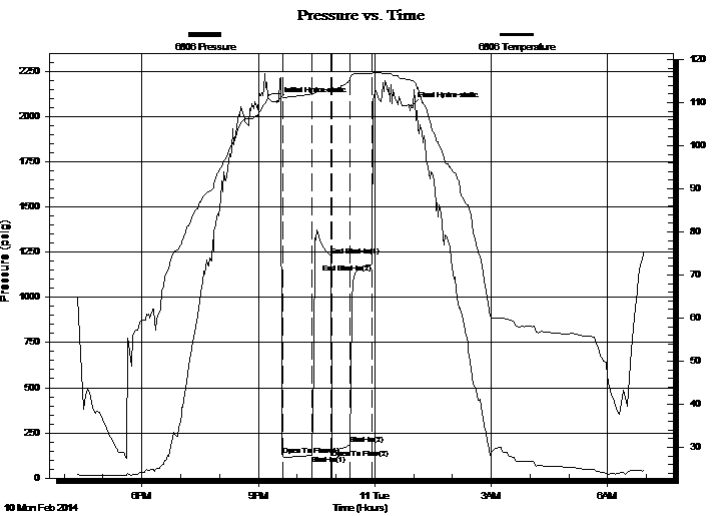
Time On Btm:

2014.02.10 @ 21:29:30

Time Off Btm:

2014.02.11 @ 00:56:30

TEST COMMENT: 1st Open/ 45 Minutes. Fair blow built to 9 inches into a 5 gallon bucket of deisel.  
1st Shut In/ 30 Minutes. No blow back.  
2nd Open/ 30 Minutes. Good blow built to bottom of 5 gallon bucket in 22 minutes and 30 seconds.  
2nd Shut In/ 30 Minutes. No blow back.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2079.60	112.07	Initial Hydro-static
9	125.40	111.24	Open To Flow (1)
53	128.52	111.97	Shut-In(1)
83	1231.42	112.75	End Shut-In(1)
84	160.62	112.50	Open To Flow (2)
112	185.85	115.36	Shut-In(2)
146	1182.21	116.78	End Shut-In(2)
207	2055.83	115.14	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	100% Clean Oil	0.05
252.00	20% Oil, 80% Mud.	2.84
0.00	441 feet 100% gas	0.00
0.00	Oil Gravity w as 42 corrected.	0.00

## Gas Rates

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



# DRILL STEM TEST REPORT

Black Tea Oil, LLC

30/14s/31w/Gove

1011 Centennial Blvd  
Hays Ks. 67601

Krebs Q #1

Job Ticket: 19201

DST#: 1

ATTN: Chris Leiker

Test Start: 2014.02.10 @ 16:20:00

## GENERAL INFORMATION:

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Reference Elevations: 2710.00 ft (KB)

Total Depth: 4460.00 ft (KB) (TVD)

2705.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 5.00 ft

**Serial #: 8159 Outside**

Press@RunDepth: 1182.55 psig @ 4294.25 ft (KB)

Capacity: 5000.00 psig

Start Date: 2014.02.10

End Date:

2014.02.11

Last Calib.:

2014.02.11

Start Time: 16:20:00

End Time:

06:57:00

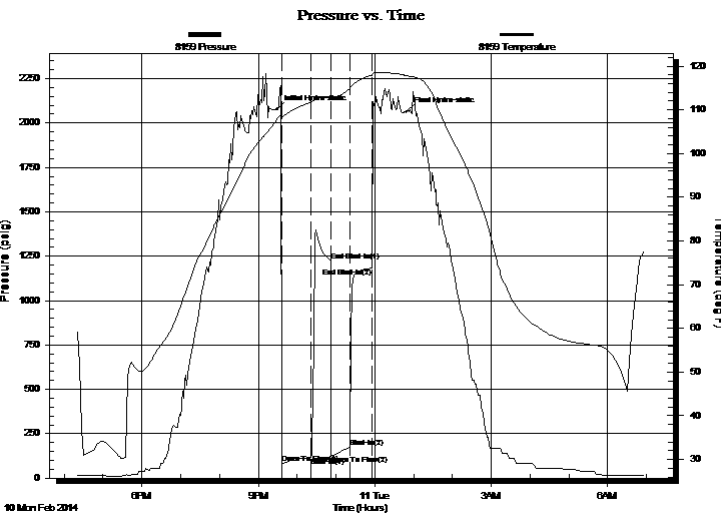
Time On Btm:

2014.02.10 @ 21:29:30

Time Off Btm:

2014.02.11 @ 00:49:00

**TEST COMMENT:** 1st Open/ 45 Minutes. Fair blow built to 9 inches into a 5 gallon bucket of deisel.  
1st Shut In/ 30 Minutes. No blow back.  
2nd Open/ 30 Minutes. Good blow built to bottom of 5 gallon bucket in 22 minutes and 30 seconds.  
2nd Shut In/ 30 Minutes. No blow back.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2075.84	107.90	Initial Hydro-static
7	81.62	108.40	Open To Flow (1)
52	118.99	111.71	Shut-In(1)
83	1224.68	113.18	End Shut-In(1)
84	126.48	112.86	Open To Flow (2)
112	173.36	114.83	Shut-In(2)
146	1182.55	117.94	End Shut-In(2)
200	2063.10	117.84	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	100% Clean Oil	0.05
252.00	20% Oil, 80% Mud.	2.84
0.00	441 feet 100% gas	0.00
0.00	Oil Gravity w as 42 corrected.	0.00

## Gas Rates

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





# DRILL STEM TEST REPORT

Black Tea Oil, LLC

30/14s/31w/Gove

1011 Centennial Blvd  
Hays Ks. 67601

Krebs Q #1

Job Ticket: 19201

DST#: 1

ATTN: Chris Leiker

Test Start: 2014.02.10 @ 16:20:00

## GENERAL INFORMATION:

Formation: **Johnson- Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:38:00

Time Test Ended: 06:57:00

Test Type: Conventional Straddle (Initial)

Tester: Shane Konzem

Unit No: 3330/50/Scott City

Interval: **4300.00 ft (KB) To 4370.00 ft (KB) (TVD)**

Reference Elevations: 2710.00 ft (KB)

Total Depth: 4460.00 ft (KB) (TVD)

2705.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 5.00 ft

**Serial #: 8524 Below (Straddle)**

Press@RunDepth: psig @ 4384.82 ft (KB)

Capacity: psig

Start Date: 2014.02.10

End Date:

2014.02.11

Last Calib.:

1899.12.30

Start Time: 16:20:00

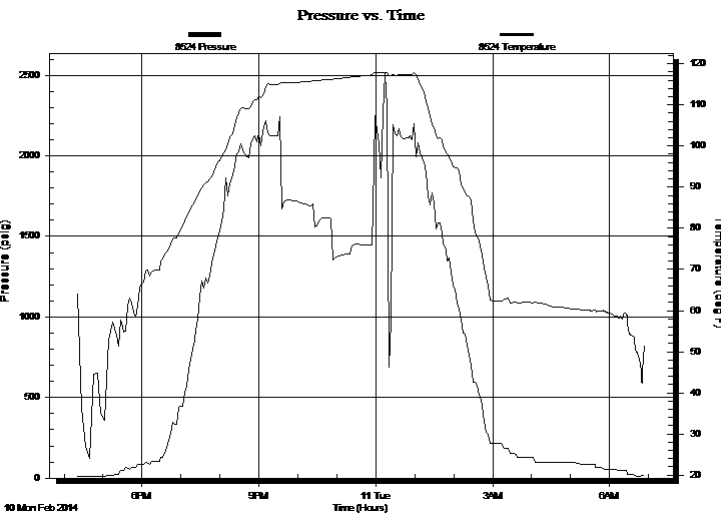
End Time:

06:54:05

Time On Btm:

Time Off Btm:

**TEST COMMENT:** 1st Open/ 45 Minutes. Fair blow built to 9 inches into a 5 gallon bucket of deisel.  
1st Shut In/ 30 Minutes. No blow back.  
2nd Open/ 30 Minutes. Good blow built to bottom of 5 gallon bucket in 22 minutes and 30 seconds.  
2nd Shut In/ 30 Minutes. No blow back.



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	100% Clean Oil	0.05
252.00	20% Oil, 80% Mud.	2.84
0.00	441 feet 100% gas	0.00
0.00	Oil Gravity w as 42 corrected.	0.00

## Gas Rates

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



# DRILL STEM TEST REPORT

TOOL DIAGRAM

Black Tea Oil, LLC

30/14s/31w/Gove

1011 Centennial Blvd  
Hays Ks. 67601

Krebs Q #1

Job Ticket: 19201

DST#: 1

ATTN: Chris Leiker

Test Start: 2014.02.10 @ 16:20:00

## Tool Information

Drill Pipe:	Length: 4164.00 ft	Diameter: 3.80 inches	Volume: 58.41 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 85.74 ft	Diameter: 2.25 inches	Volume: 0.42 bbl	Weight to Pull Loose: 180000.0 lb
			<u>Total Volume: 58.83 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.99 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4300.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	4387.82 ft			
Interval between Packers:	87.82 ft			
Tool Length:	168.07 ft			
Number of Packers:	4	Diameter: 6.75 inches		

Tool Comments: Tour up one packer.

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			4224.75	
Hydraulic tool	5.00			4229.75	
Top Packer	5.00			4234.75	
Packer - Shale	5.00			4239.75	
Anchor	5.00			4244.75	
Change Over Sub	0.75			4245.50	
Drill Pipe	31.00			4276.50	
Change Over Sub	0.75			4277.25	
Perforations	15.00			4292.25	
Recorder	1.00	6806	Inside	4293.25	
Recorder	1.00	8159	Outside	4294.25	
Blank Off Sub	0.75			4295.00	
Packer	5.00			4300.00	80.25 Bottom Of Top Packer
Change Over Sub	0.75			4300.75	
Drill Pipe	62.32			4363.07	
Change Over Sub	0.75			4363.82	
Perforations	20.00			4383.82	
Recorder	1.00	8524	Below	4384.82	
Bull Plug	3.00			4387.82	87.82 Anchor Tool

**Total Tool Length: 168.07**



# DRILL STEM TEST REPORT

## FLUID SUMMARY

Black Tea Oil, LLC

**30/14s/31w/Gove**

1011 Centennial Blvd  
Hays Ks. 67601

**Krebs Q #1**

Job Ticket: 19201

**DST#: 1**

ATTN: Chris Leiker

Test Start: 2014.02.10 @ 16:20:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 40.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 16.00 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
10.00	100% Clean Oil	0.049
252.00	20% Oil, 80% Mud.	2.845
0.00	441 feet 100% gas	0.000
0.00	Oil Gravity was 42 corrected.	0.000

Total Length: 262.00 ft

Total Volume: 2.894 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6806

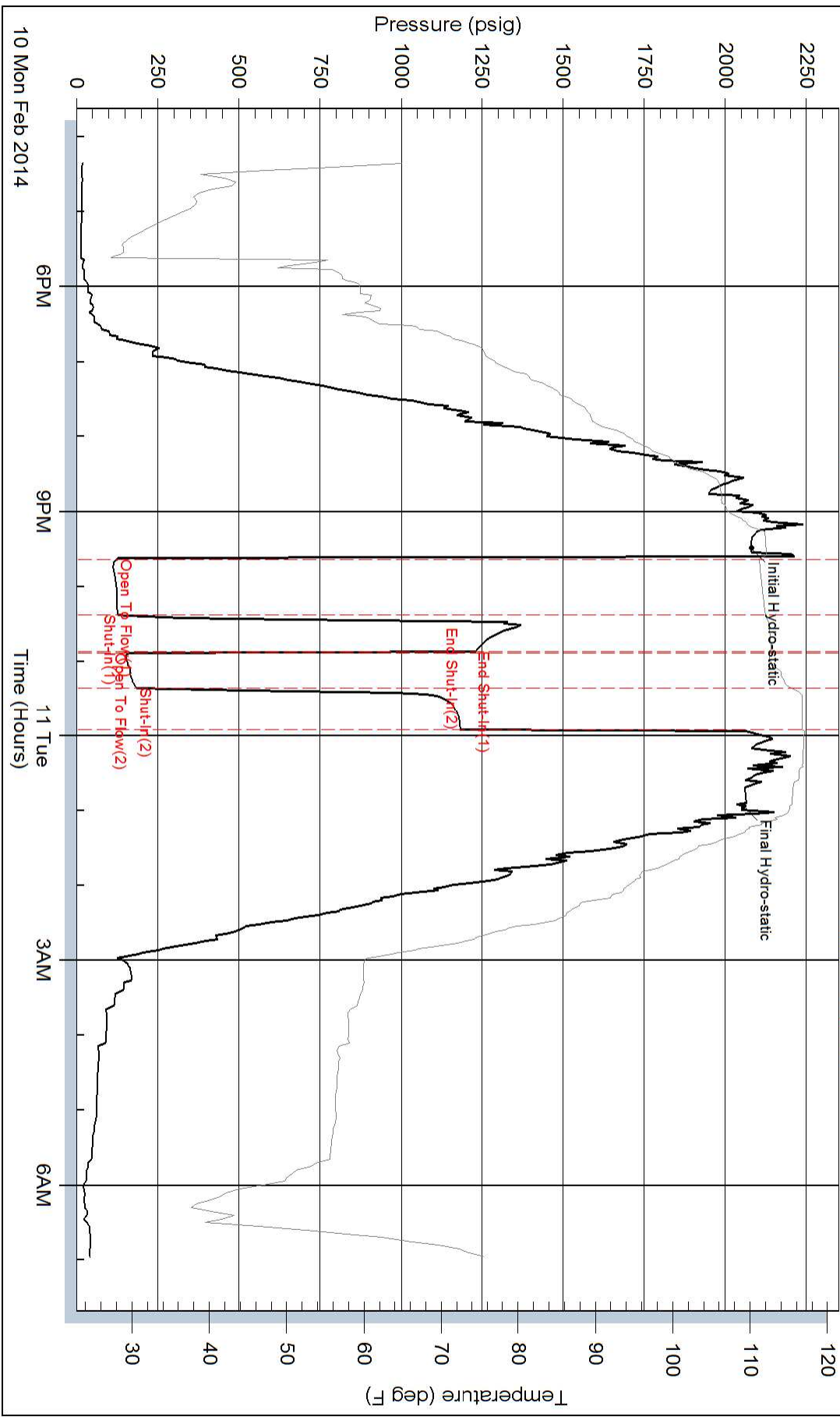
Inside

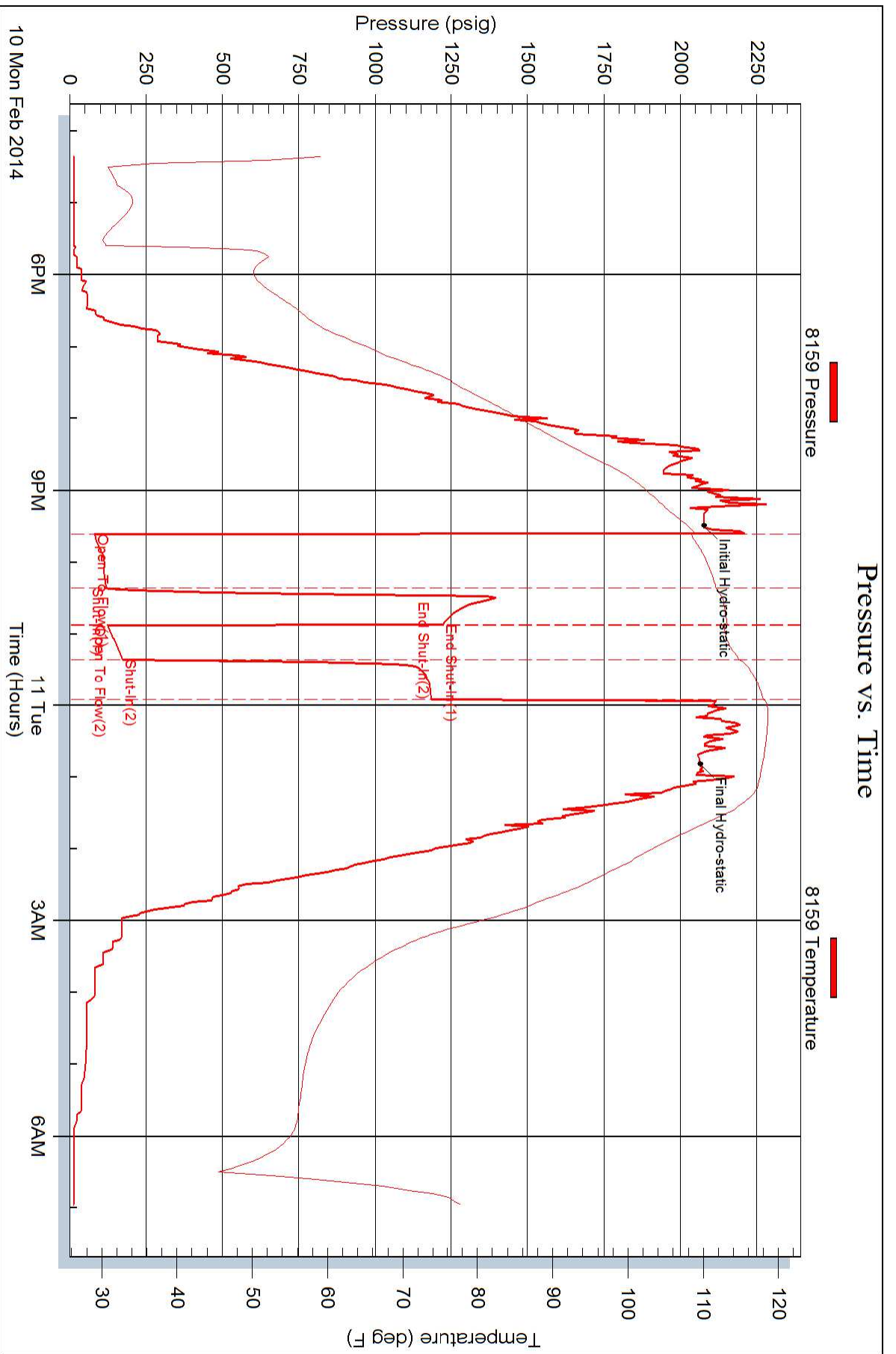
Black Tea Oil, LLC

Krebs Q#1

DST Test Number: 1

### Pressure vs. Time



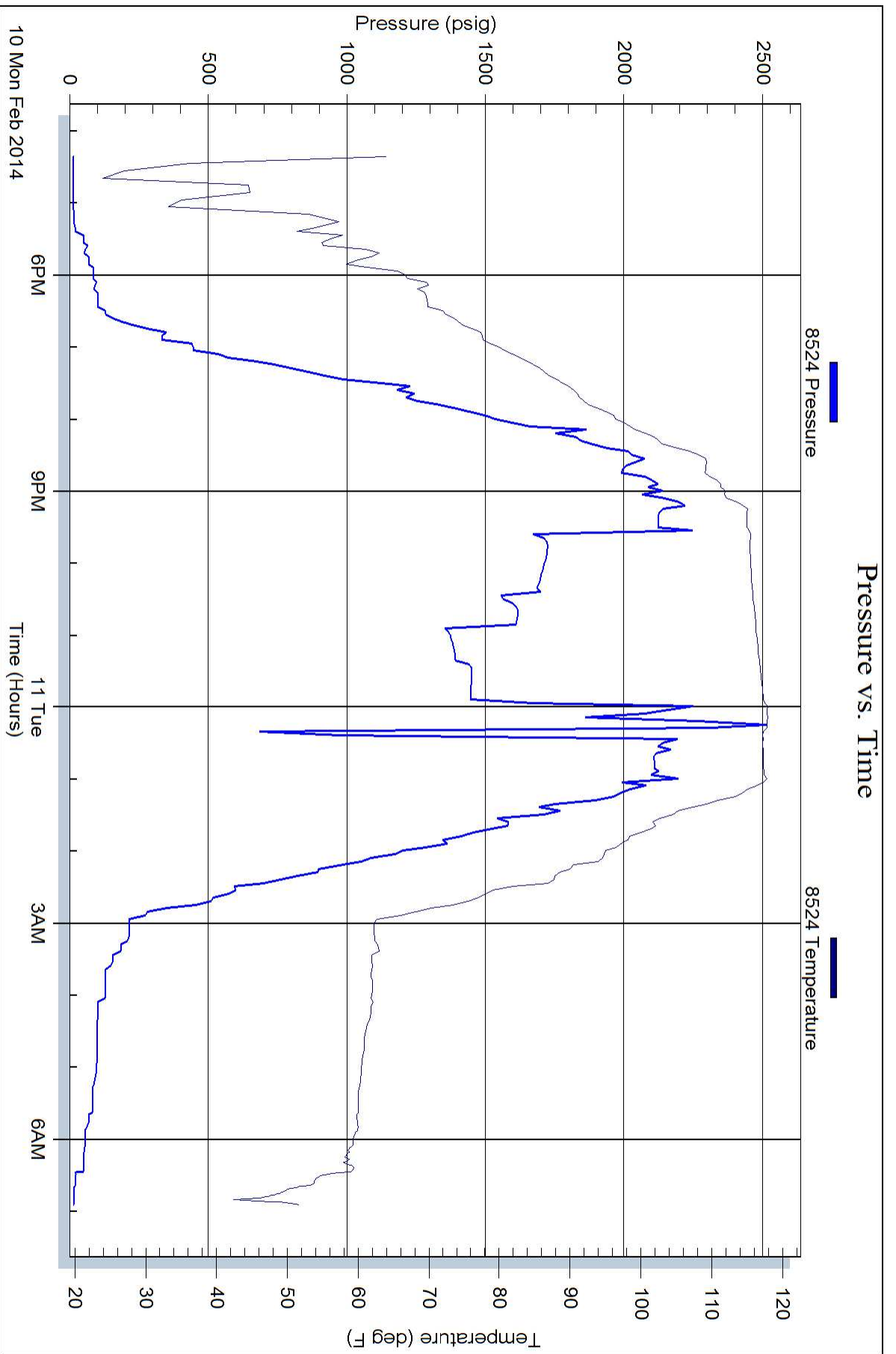


Serial #: 8524

Below (Stratfield) Tea Oil, LLC

Krebs Q#1

DST Test Number: 1





265740

TICKET NUMBER 43032  
 LOCATION Okley Co.  
 FOREMAN Dauen

PO Box 884, Chanute, KS 66720  
 620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT  
 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
1/30/14	5007	Krebs Q #1	30	14	31	Gove

TRUCK #	DRIVER	TRUCK #	DRIVER
57	Travis		
466	Lance		

CITY	STATE	ZIP CODE
Hays	Ks.	67601

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 257 CASING SIZE & WEIGHT 8 5/8 23"  
 CASING DEPTH 257 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14.3 SLURRY VOL 1.36 WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 20'  
 DISPLACEMENT 15.16 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety Meeting Rig up on Landmark #5 break Circulation with Rig Pump mix 180 sks Com 3% CC 2% Gel wash up Pump + Lines Displace with 15.16 bbl water + Shut in Rig Down

Cement Did Circulate

Approx 5 bbl To Pip

Thanks Dauen + Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	\$1150.00	\$1150.00
5406	20	MILEAGE	\$5.25	\$105.00
5407	8.5	Ton Mileage Delivery	\$1.25	\$430.00
11045	180 SKs	Class "A" Cement	\$18.55	\$3339.00
1102	508*	Calcium Chloride	\$ .94	\$477.52
1118 B	338*	Bentonite	\$ .27	\$91.26
1111	100*	Salt	NC	NC
			SubTotal	\$5592.78
			Less 10%	\$559.28
			SubTotal	\$5033.50
			7.90	SALES TAX 277.84
			ESTIMATED TOTAL	5311.34

Revin 3737

AUTHORIZATION Terry Reger TITLE \_\_\_\_\_ DATE \_\_\_\_\_

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

# ALLIED OIL & GAS SERVICES, LLC 062545

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999  
SOUTHLAKE, TEXAS 76092

SERVICE POINT:  
Oakley, ks  
2-12-14

DATE <u>2-11-14</u>	SEC. <u>30</u>	TWP. <u>14</u>	RANGE <u>31</u>	CALLED OUT	ON LOCATION <u>8:00pm</u>	JOB START <u>5:00am</u>	JOB FINISH <u>6:00am</u>
LEASE <u>Krebs</u>	WELL # <u>1</u>	LOCATION <u>Oakley, ks 225;</u>			COUNTY <u>Gove</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)				<u>Est. Drift</u>			

CONTRACTOR Landmark  
 TYPE OF JOB Production Long string  
 HOLE SIZE 7 7/8 T.D. 4446  
 CASING SIZE 5 1/2 DEPTH 4451'  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL port collar DEPTH 2150'  
 PRES. MAX MINIMUM  
 MEAS. LINE SHOE JOINT 21.50  
 CEMENT LEFT IN CSG. 21.50  
 PERFS.  
 DISPLACEMENT 105,42 bbl

OWNER same.  
 CEMENT AMOUNT ORDERED 2305kg @ 108oz/sk  
290gal 5 # gilsonite  
 COMMON @  
 POZMIX @  
 GEL 43kg @ 23.90 93.60  
 CHLORIDE @  
 ASC 2305kg @ 20.90 4807.00

EQUIPMENT  
 PUMP TRUCK CEMENTER Lakem & Weufe  
 # 423/281 HELPER Andrew Forstlund  
 BULK TRUCK  
 # 396/306 DRIVER Thomas Torres (TWS)  
 BULK TRUCK  
 # DRIVER

salt 295kg @ 26.35 632.40  
gilsomite 1150kg @ .98 1127.00  
Superflush 1266l @ 58.90 754.40  
RCL 1gal @ 34.40 34.40  
 HANDLING 29403 ft<sup>3</sup> @ 2.48 729.19  
 MILEAGE 1284km x 25 x 2.60 834.60  
 TOTAL 8962.59

REMARKS: 200ft  
Pump ball float  
Mix Superflush, Plug at 4450ft,  
Plug Rth 305kg, MGR 2000skt  
Dry place with water. Land plug,  
1050 #, float hold.

Thank you.

CHARGE TO: Black Tea  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

SERVICE  
 DEPTH OF JOB 4451'  
 PUMP TRUCK CHARGE 2765.75  
 EXTRA FOOTAGE @  
 MILEAGE MGR 25 @ 2.90 192.50  
 MANIFOLD Woods @ 205.00  
MGR 25 @ 4.40 110.00  
 TOTAL 3343.25

To: Allied Oil & Gas Services, 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.

weather proof  
 PLUG & FLOAT EQUIPMENT  
Port Collar 3590.00  
AFU Float Shoe @ 595.00  
Latch down plug @ 660.00  
(2) Tailbolters @ 95.00 760.00  
(3) Baskets @ 395.00 1185.00  
 TOTAL 6740.00

PRINTED NAME \_\_\_\_\_  
 SIGNATURE [Signature]

SALES TAX (If Any) \_\_\_\_\_  
 TOTAL CHARGES 19,045.84  
 DISCOUNT 2,461.16 IF PAID IN 30 DAYS  
9,844.67 Net.