



Confidentiality Requested:

Yes  No

### 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  List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
--	---

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

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

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

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

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  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

Pahls A1

RTD @ 4600

LTD @ 4568

Port Collar @ 2355 470 sks

5 ½ set @ 4598' 180 sks

8 5/8 set @ 265' 200 sks

Perfs

Morrow	4496-4504, 4470-76	600 gal
Johnson	4432-36	didn't treat
Pawnee	4303-10	2000 gal
Altamont	4276-80	1500 gal
Marmaton	4208-20	5500 gal

# ALLIED OIL & GAS SERVICES, LLC 064048

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: Oakley, KS

DATE <u>8-5-14</u>	SEC. <u>20</u>	TWP. <u>14</u>	RANGE <u>34</u>	CALLED OUT	ON LOCATION <u>7:30pm</u>	JOB START <u>8:00pm</u>	JOB FINISH <u>8:30pm</u>
LEASE <u>Pauls A</u>	WELL# <u>1</u>	LOCATION <u>Monument 13.5 to Plain Logan</u>		COUNTY	STATE <u>KJ</u>		
OLD OR NEW (Circle one) <u>NEW</u>				<u>54 (300) 1/2 S, E info</u>			

CONTRACTOR <u>Landmark</u>	OWNER <u>same</u>
TYPE OF JOB <u>Surface</u>	
HOLE SIZE <u>12 1/4</u>	T.D. <u>265</u>
CASING SIZE <u>8 1/2</u>	DEPTH <u>265.11</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>151</u>	
PERFS.	
DISPLACEMENT <u>16.0</u>	

CEMENT	
AMOUNT ORDERED <u>180 st/can 38cc</u>	
<u>290 gal</u>	
COMMON <u>180 st/can @ 17.90</u>	<u>3222.00</u>
POZMIX	@
GEL <u>338 # @ .50</u>	<u>169.00</u>
CHLORIDE <u>508 # @ 1.00</u>	<u>508.00</u>
ASC	@

EQUIPMENT		
PUMP TRUCK # <u>422</u>	CEMENTER <u>Lakore Ewens</u>	
	HELPER <u>Kelly Gabel</u>	
BULK TRUCK # <u>818/287</u>	DRIVER <u>Esteban Alcala (TUS)</u>	
BULK TRUCK #	DRIVER	

<u>material Total</u>	@	<u>3897.00</u>
<u>(779180 / 20%)</u>	@	
HANDLING <u>194.64 st³ @ 2.48</u>		<u>482.71</u>
MILEAGE <u>9.88 hr X 30 X 2.75</u>		<u>732.60</u>
TOTAL		

REMARKS:  
mix 180 st/can cement  
Displace with water  
Cement did circulate  
20 st/can to per

Thank you

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

SERVICE		
DEPTH OF JOB <u>265.11'</u>		
PUMP TRUCK CHARGE		<u>1512.25</u>
EXTRA FOOTAGE	@	
MILEAGE <u>MIFU 30 @ 7.90</u>		<u>237.00</u>
MANIFOLD <u>swaga</u>	@	<u>275.00</u>
<u>MILU 30 @ 4.40</u>		<u>132.00</u>
<u>(673.11 / 20%)</u>		
TOTAL		<u>3365.56</u>

PLUG & FLOAT EQUIPMENT		
	@	
	@	
	@	
	@	
	@	
TOTAL		

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.

PRINTED NAME Robert Muldoon  
SIGNATURE \_\_\_\_\_

SALES TAX (If Any) \_\_\_\_\_  
TOTAL CHARGES 7264.56  
DISCOUNT 1452.96 (20%) IF PAID IN 30 DAYS  
5811.60 NET



CHARGE TO: Black Tea  
 ADDRESS:  
 CITY, STATE, ZIP CODE:

TICKET 26413

PAGE 1 OF 2

SERVICE LOCATIONS: Good City KS WELL PROJECT NO: #1 LEASE: Rahls A COUNTY/PARISH: Logan STATE: KS CITY: Russell Springs DATE: 13 AUG 14 OWNER:  
 1. Good City KS CONTRACTOR: Rahls A RIG NAME/NO: 6 SHIPPED: VT DELIVERED TO: Location ORDER NO.  
 2. TICKET TYPE:  SERVICE  SALES  
 3. WELL TYPE: Oil WELL CATEGORY: Development JOB PURPOSE: convent long string WELL PERMIT NO.:  
 4. REFERRAL LOCATION: INVOICE INSTRUCTIONS: 20-13-34

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		DESCRIPTION	MILEAGE	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT								
575					TRR 112	120	m'			6.00	720.00
578					Pump Charge		ea			1500.00	1500.00
402					Centralize	5 1/2	in	8	ea	78.00	560.00
403					Convent Basket	5 1/2	in	3	ea	300.00	900.00
404					Port Collar	5 1/2	in	1	ea	2900.00	2900.00
406					Catch down plug shape	5 1/2	in	1	ea	275.00	275.00
407					Insect Flat shoe w/ AUTO FILL	5 1/2	in	1	ea	375.00	375.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.  
 MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS  
 DATE SIGNED: 8/13 TIME SIGNED: 11:55 AM  
 X G. Hebert

REMIT PAYMENT TO:  
 SWIFT SERVICES, INC.  
 P.O. BOX 466  
 NESS CITY, KS 67560  
 785-798-2300

SURVEY:  OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?  WE UNDERSTOOD AND MET YOUR NEEDS?  OUR SERVICE WAS PERFORMED WITHOUT DELAY?  WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?  ARE YOU SATISFIED WITH OUR SERVICE?  YES  NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL: 2 TOTAL: 15,461.67

Logan TAX 7.65% 805.47

sub total 14656.20

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.  
 SWIFT OPERATOR: Bejw APPROVAL: Bejw  
 Thank You!



Seawater, Inc.

PO Box 466  
Ness City, KS 67560  
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 26413

CUSTOMER Black Tea  
WSP Pals A #1

DATE 13 Aug 14 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF			QTY	U/M			
325		1				STANDARD cement (for 54-2)	230	SK	14.50	3335.00	
284		1				Calseal	1100	lb	35.00	385.00	
283		1				salt	1200	lb	0.20	240.00	
285		1				CFR-1	150	lb	4.50	675.00	
276		1				Floacle	50	lb	2.50	125.00	
281		1				mud flush	500	gal	1.85	625.00	
281		1				KCL liquid	2	gal	25.00	50.00	
290		1				D-Air	2	gal	42.00	84.00	
581		1				SERVICE CHARGE			2.00	467.00	
583		1				MILEAGE CHARGE			1.00	1447.20	
							TOTAL WEIGHT	241.26			
							LOADED MILES	120			
							CUBIC FEET	230			
							TON MILES	1447.2			

CONTINUATION TOTAL 7426.20

JOB LOG

SWIFT Services, Inc.

DATE 13 AUG 14 PAGE NO. 1

CUSTOMER Black Tea WELL NO. #1 LEASE Pools A JOB TYPE cement long string TICKET NO. 26413

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								230sk EA-2 w/ 1/4" Floccle
								5 1/2 x 15.5" casing TD 4609
								10jts <del>576</del> 4597 shoejt 21'
								Port Collar #54 2360' Brush #2, 53, 54
								Controlar 1, 3, 5, 7, 9, 11, 13, 55
	1721							on loc TRK 112
	1930							start 5 1/2 x 16.5" casing in well
	2130							Drop ball - circulate
	2230	3	12				300	Pump 500gal mud flush
		3	20				300	Pump 20bbl KCL flush
	2243		7					Plug RH 30sk
	2250	3 1/2	48				300	mix EA-2 cement 200sk @ 15.3ppg
								Drop latch down plug
								wash out pump & line
	2318	6					200	Displace plug
		6	103				900	
	2340	6	109				1500	Land plug
	2343							Release pressure to truck - dried up
	2345							wash truck
								Rack up
1440	0020							job complete
								Blaine, Flint & John



## Summary of Changes

Lease Name and Number: Pahls A 1

API/Permit #: 15-109-21330-00-00

Doc ID: 1248565

Correction Number: 1

Approved By: NAOMI JAMES

Field Name	Previous Value	New Value
Amount of Surface Pipe Set and Cemented at	250	265
Approved Date	10/23/2014	04/27/2015
CasingNumbSacksUse dPDF_1	180	200
CasingNumbSacksUse dPDF_2	230	180
CasingSettingDepthPD F_1	250	265
CasingSettingDepthPD F_2	4500	4598
CasingWeightPDF_1	16	23
CasingWeightPDF_2	20	15.5
If Alternate II Completion - Cement Circulated From If Alternate II Completion - Sacks of Cement	450	2355 470

Summary of changes for correction 1 continued

Field Name	Previous Value	New Value
Kelly Bushing Elevation	2950	2959
Method Of Completion - Commingled	No	Yes
Multiple Stage Cementing Collar Depth	2100	2355
Perf_Record_1		see attached report
Plug Back Total Depth	4500	4568
Producing Formation	Kansas City/Johnson	See attacehd report
Save Link	../../../../kcc/detail/operatorE ditDetail.cfm?docID=12 29048	../../../../kcc/detail/operatorE ditDetail.cfm?docID=12 48565
TopsDatum1	-1307	-1511
TopsDatum2		-1473
TopsDatum3		-1344
TopsDatum4		-1317
TopsDatum5		-1249
TopsDepth1	4257	4470

Summary of changes for correction 1 continued

Field Name	Previous Value	New Value
TopsDepth2		4432
TopsDepth3		4303
TopsDepth4		4276
TopsDepth5		4208
TopsName1	Kansas City	morrow
TopsName2		johnson
TopsName3		pawnee
TopsName4		altamont
TopsName5		marmaton
Total Depth	4500	4600

## Summary of Attachments

Lease Name and Number: Pahls A 1

API: 15-109-21330-00-00

Doc ID: 1248565

Correction Number: 1

Attachment Name



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1229048  
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
-----------------------------------	-----------------	---

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](mailto: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
--	---

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)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top _____ Bottom _____
---	---	--

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:	
----------------	-------	---------	------------	--



# ALLIED OIL & GAS SERVICES, LLC 064048

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: Oakley, KS

DATE <u>8-5-14</u>	SEC. <u>20</u>	TWP. <u>14</u>	RANGE <u>34</u>	CALLED OUT	ON LOCATION <u>7:30pm</u>	JOB START <u>8:00pm</u>	JOB FINISH <u>8:30pm</u>
LEASE <u>Pattis A</u>	WELL# <u>1</u>	LOCATION <u>Moumarat 13.5 to Plainbogon</u>		COUNTY <u></u>	STATE <u>KJ</u>		
OLD OR NEW (Circle one) <u>NEW</u>			<u>54(300) 1/2 S, Einfo</u>				

CONTRACTOR Landmark  
 TYPE OF JOB Surface  
 HOLE SIZE 12 1/4 T.D. 265  
 CASING SIZE 8 7/8 DEPTH 265.11  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX MINIMUM  
 MEAS. LINE SHOE JOINT  
 CEMENT LEFT IN CSG. 151  
 PERFS.  
 DISPLACEMENT 160

OWNER Same  
 CEMENT  
 AMOUNT ORDERED 180 st/can 38cc  
290 gal  
 COMMON 180 st/c @ 17.90 3222.00  
 POZMIX @  
 GEL 338 # @ .50 169.00  
 CHLORIDE 508 # @ 1.00 508.00  
 ASC @  
 @  
 @

EQUIPMENT  
 PUMP TRUCK CEMENTER Lakore Ewende  
 # 422 HELPER Kelly Gabel  
 BULK TRUCK  
 # 818/287 DRIVER Esteban Alcala (TUS)  
 BULK TRUCK  
 # DRIVER

material Total @ 3897.00  
(779180 / 20%) @  
 @  
 @  
 @  
 @  
 @  
 @  
 HANDLING 194.64 st<sup>3</sup> @ 2.48 482.71  
 MILEAGE 9.88 hr x 30 x 2.75 732.60  
 TOTAL \_\_\_\_\_

REMARKS:  
mix 180 st/c cement  
Displace with water  
Cement did circulate  
20 st/c to per

SERVICE  
 DEPTH OF JOB 265.11'  
 PUMP TRUCK CHARGE \_\_\_\_\_ 1512.25  
 EXTRA FOOTAGE @  
 MILEAGE MHW 30 @ 7.70 231.00  
 MANIFOLD Swaga 30 @ 7.50 225.00  
MILU 30 @ 4.40 132.00  
 @  
(673.11 / 20%)  
 TOTAL 3365.56

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

PLUG & FLOAT EQUIPMENT  
 @  
 @  
 @  
 @  
 @  
 @  
 @  
 @  
 TOTAL \_\_\_\_\_

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.

SALES TAX (If Any) \_\_\_\_\_  
 TOTAL CHARGES 7264.56  
 DISCOUNT 1452.96 (20%) IF PAID IN 30 DAYS  
5811.60 NET

PRINTED NAME Robert Muldoon  
 SIGNATURE \_\_\_\_\_





CHARGE TO: Black Tea  
 ADDRESS:  
 CITY, STATE, ZIP CODE:

TICKET 26413

PAGE 1 OF 2

SERVICE LOCATIONS: Good City KS WELL PROJECT NO: #1 LEASE: Rahls A COUNTY/PARISH: Logan STATE: KS CITY: Russell Springs DATE: 13 AUG 14 OWNER:  
 1. Good City KS CONTRACTOR: Rahls A RIG NAME/NO.: 6 SHIPPED: VT DELIVERED TO: Location ORDER NO.:  
 2. TICKET TYPE:  SERVICE  SALES WELL TYPE: Oil WELL CATEGORY: Development JOB PURPOSE: convent long string WELL PERMIT NO.:  
 3. INVOICE INSTRUCTIONS: Development WELL LOCATION: 20-13-34  
 4. REFERRAL LOCATION:

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		DESCRIPTION	MILEAGE	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT								
575					TRR 112	120	m'			6.00	720.00
578					Pump Charge		ea			1500.00	1500.00
402					Centralize	5 1/2	in	8	ea	78.00	560.00
403					Convent Basket	5 1/2	in	3	ea	300.00	900.00
404					Port Collar	5 1/2	in	1	ea	2900.00	2900.00
406					Catch down plug shape	5 1/2	in	1	ea	275.00	275.00
407					Insect Flat shoe w/ AUTO FILL	5 1/2	in	1	ea	375.00	375.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.  
 MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS  
 DATE SIGNED: 8/13 TIME SIGNED: 11:55 AM  
 DATE SIGNED: 8/13 TIME SIGNED: 11:55 PM  
 REMIT PAYMENT TO:  
 SWIFT SERVICES, INC.  
 P.O. BOX 466  
 NESS CITY, KS 67560  
 785-798-2300  
 SURVEY:  OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?  WE UNDERSTOOD AND MET YOUR NEEDS?  OUR SERVICE WAS PERFORMED WITHOUT DELAY?  WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?  ARE YOU SATISFIED WITH OUR SERVICE?  YES  NO  
 CUSTOMER DID NOT WISH TO RESPOND  
 PAGE TOTAL: 2 TOTAL: 15,461.67  
 SUBTOTAL: 14656.20  
 LOGS: 1.09517  
 TAX: 1.65%  
 TOTAL: 805.47  
 APPROVAL: Bejw  
 CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES: The customer hereby acknowledges receipt of the materials and services listed on this ticket.  
 Thank You!



Seawater, Inc.

PO Box 466  
Ness City, KS 67560  
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 26413

CUSTOMER Black Tea  
WSP Pals A #1

DATE 13 Aug 14 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY		UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY	U/M		
325		1				STANDARD cement (for 54-2)	230	SK	14.50	3335.00
284		1				Calseal	1100	lb	35.00	385.00
283		1				salt	1200	lb	0.20	240.00
285		1				CFR-1	150	lb	4.50	675.00
276		1				Floacle	50	lb	2.50	125.00
281		1				mud flush	500	gal	1.85	625.00
281		1				KCL liquid	2	gal	25.00	50.00
290		1				D-Air	2	gal	42.00	84.00
581		1				SERVICE CHARGE			2.00	4.00
583		1				MILEAGE CHARGE			1.00	1.00
						TOTAL WEIGHT	241.26			
						LOADED MILES	120			
						CUBIC FEET	230			
						TON MILES	1447.2			

CONTINUATION TOTAL 7426.20

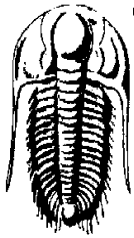
JOB LOG

SWIFT Services, Inc.

DATE 13 AUG 14 PAGE NO. 1

CUSTOMER Black Tea WELL NO. #1 LEASE Pools A JOB TYPE cement long string TICKET NO. 26413

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								230sk EA-2 w/ 4" Flocele 5 1/2" x 15.5" casing TD 4609 10jts <del>576'</del> 4597' shoejt 21' Port Collar #54 2360' Brush #2, 53, 54 Controlar 1, 3, 5, 7, 9, 11, 13, 55
	1721							on loc TRK 112
	1930							start 5 1/2" x 16.5" casing in well
	2130							Drop ball - circulate
	2230	3	12				300	Pump 500gal mud flush
		3	20				300	Pump 20bbl KCL flush
	2243		7					Plug RH 30sk
	2250	3 1/2	48				300	mix EA-2 cement 200sk @ 15.3 ppg
								Drop latch down plug wash out pump & line
	2318	6					200	Displace plug
		6	103				900	
	2340	6	109				1500	Land plug
	2343							Release pressure to truck - dried up
	2345							wash truck
								Rack up
1440	0020							job complete Pump Blaine, Flint & John



# TRILOBITE TESTING, INC.

## DRILL STEM TEST REPORT

Black Tea Oil, LLC  
 1011 Centennial Blvd Ste. B  
 Hays, Ks 67601  
 ATTN: Chris Leiker/ Kevin

20 13s 34w Logan, Ks  
**Pahls A-1**  
 Job Ticket: 59142      **DST#: 1**  
 Test Start: 2014.08.09 @ 15:04:00

### GENERAL INFORMATION:

Formation: **Lansing**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 17:56:45  
 Tester: Bradley Walter  
 Time Test Ended: 22:04:28  
 Unit No: 69  
**Interval: 3920.00 ft (KB) To 3970.00 ft (KB) (TVD)**  
 Reference Elevations: 2958.00 ft (KB)  
 Total Depth: 3970.00 ft (KB) (TVD)  
 2949.00 ft (CF)  
 Hole Diameter: 7.88 inches  
 Hole Condition: Good  
 KB to GR/CF: 9.00 ft

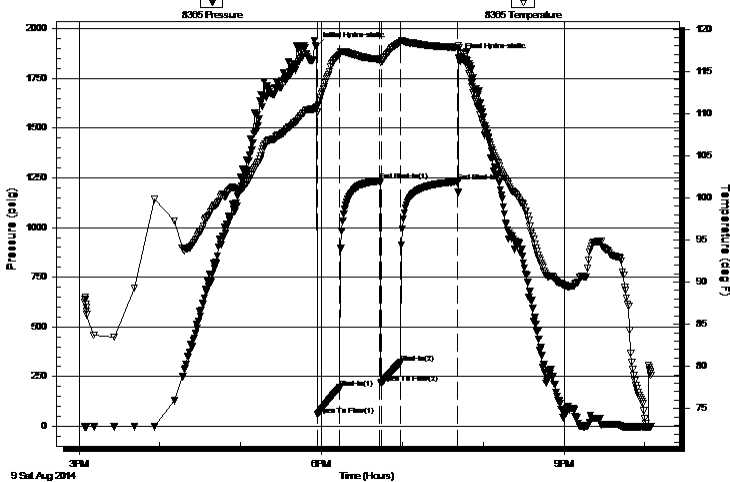
### Serial #: 8365

Inside

Press @ Run Depth: 319.57 psig @ 3921.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2014.08.09      End Date: 2014.08.09      Last Calib.: 2014.08.09  
 Start Time: 15:04:05      End Time: 22:04:28      Time On Btm: 2014.08.09 @ 17:56:15  
 Time Off Btm: 2014.08.09 @ 19:41:30

TEST COMMENT: IF: BOB @ 2 min.  
 IS: No return.  
 FF: BOB @ 5 min.  
 FS: No return.

Pressure vs. Time



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1910.59	110.77	Initial Hydro-static
1	57.89	110.15	Open To Flow (1)
17	192.39	116.92	Shut-In(1)
47	1235.23	116.41	End Shut-In(1)
48	218.56	116.08	Open To Flow (2)
63	319.57	118.42	Shut-In(2)
105	1231.36	117.79	End Shut-In(2)
106	1853.47	118.09	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
645.00	mcw 10m 90w	8.52

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Black Tea Oil, LLC

**20 13s 34w Logan, Ks**

1011 Centennial Blvd Ste. B  
Hays, Ks 67601

**Pahls A-1**

Job Ticket: 59142

**DST#: 1**

ATTN: Chris Leiker/ Kevin

Test Start: 2014.08.09 @ 15:04:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

25000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbf
645.00	mcw 10m 90w	8.519

Total Length: 645.00 ft      Total Volume: 8.519 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .280 @ 66F = 25,000ppm

Serial #: 8365

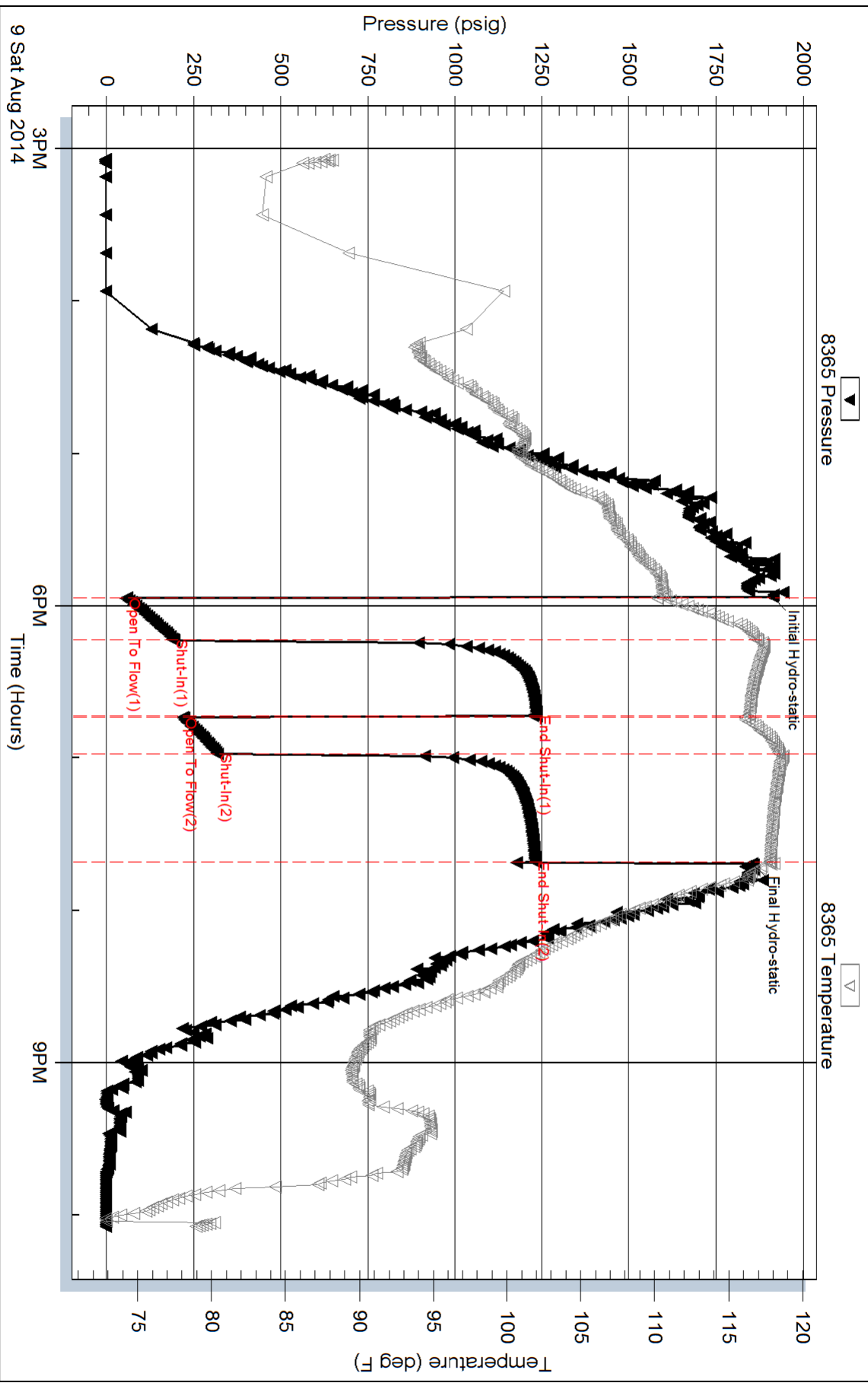
Inside

Black Tea Oil, LLC

Pahts A-1

DST Test Number: 1

### Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 59142

Printed: 2014.08.09 @ 22:45:50



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Black Tea Oil, LLC  
1011 Centennial Blvd Ste. B  
Hays, Ks 67601  
ATTN: Chris Leiker/ Kevin

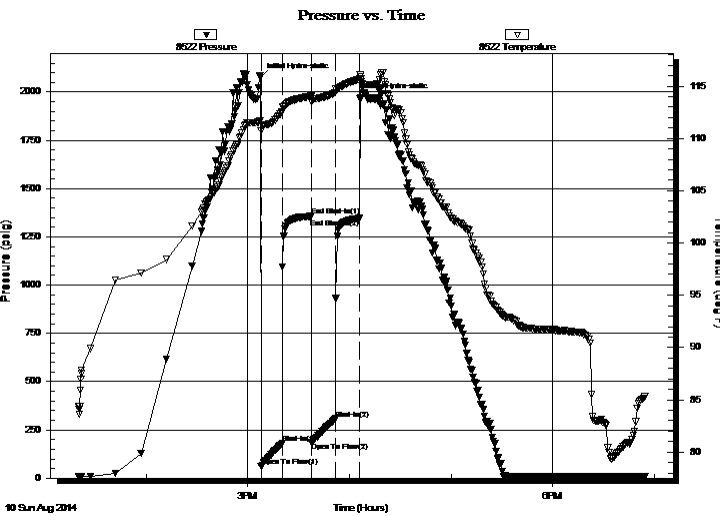
**20 13s 34w Logan, Ks**  
**Pahls A-1**  
Job Ticket: 59143      **DST#: 2**  
Test Start: 2014.08.10 @ 13:20:00

## GENERAL INFORMATION:

Formation: **Kansas City**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 15:07:45  
Time Test Ended: 18:54:15  
Interval: **4080.00 ft (KB) To 4137.00 ft (KB) (TVD)**  
Total Depth: 4157.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good  
Reference Elevations: 2958.00 ft (KB)  
2949.00 ft (CF)  
KB to GR/CF: 9.00 ft  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Bradley Walter  
Unit No: 69

**Serial #: 8522      Inside**  
Press @ Run Depth: 307.76 psig @ 4081.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2014.08.10      End Date: 2014.08.10      Last Calib.: 2014.08.10  
Start Time: 13:20:05      End Time: 18:54:14      Time On Btm: 2014.08.10 @ 15:07:30  
Time Off Btm: 2014.08.10 @ 16:06:30

TEST COMMENT: IF: BOB @ 4 1/2 min.  
IS: No return.  
FF: BOB @ 6 1/2 min.  
FS: No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2077.07	111.70	Initial Hydro-static
1	59.72	110.75	Open To Flow (1)
13	181.19	112.55	Shut-In(1)
30	1357.12	114.05	End Shut-In(1)
31	186.61	113.50	Open To Flow (2)
45	307.76	114.38	Shut-In(2)
59	1345.76	115.67	End Shut-In(2)
59	1972.69	115.89	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
570.00	mcw 10m 90w	7.47
0.00	oil spots throughout	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**

Black Tea Oil, LLC

**20 13s 34w Logan, Ks**

1011 Centennial Blvd Ste. B  
Hays, Ks 67601

**Pahls A-1**

Job Ticket: 59143

**DST#: 2**

ATTN: Chris Leiker/ Kevin

Test Start: 2014.08.10 @ 13:20:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

30000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
570.00	mcw 10m 90w	7.467
0.00	oil spots throughout	0.000

Total Length: 570.00 ft      Total Volume: 7.467 bbl

Num Fluid Samples: 0

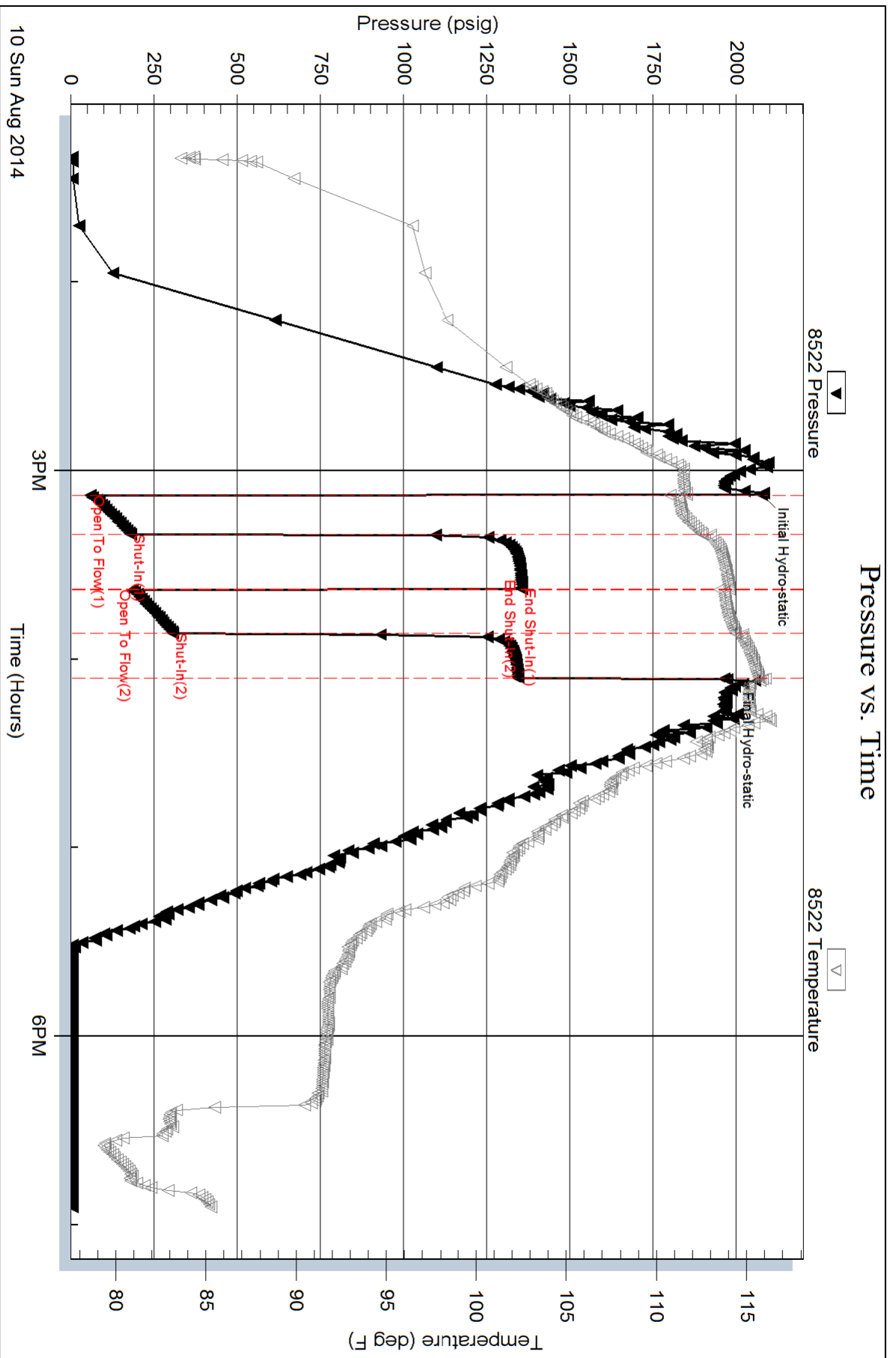
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .196 @ 82F = 30,000ppm



Serial #: 8677

Below (Stratfield) Tea Oil, LLC

Pahts A-1

DST Test Number: 2

