CORRECTION #1

Confidentiality Requested:
☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1157712

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 # 7311
Name: Shakespeare Oil Co., Inc.
Address 1: 202 W MAIN ST
Address 2:
City: SALEM State: IL Zip: 62881 + 1519
Contact Person: Don Williams
Phone: (618) 548-1585
CONTRACTOR: License # 33935
Name: H. D. Drilling, LLC
Wellsite Geologist: Steve Davis
Purchaser: NCRA

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 #:

7/03/2013 Spud Date or Recompletion Date
7/14/2013 Date Reached TD
8/21/2013 Completion Date or Recompletion Date

API No. 15 - 15-171-20956-00-00
Spot Description:
NW NE SE NE Sec. 34 Twp. 16 S. R. 34 ☐ East ☑ West
1363 Feet from ☑ North / ☐ South Line of Section
339 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☑ NE ☐ NW ☐ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Scott
Lease Name: Janzen Well #: 1-34
Field Name: Wildcat
Producing Formation: Ft Scott, Marmaton "B"
Elevation: Ground: 3119 Kelly Bushing: 3126
Total Vertical Depth: 4895 Plug Back Total Depth: 4822
Amount of Surface Pipe Set and Cemented at: 264 Feet
Multiple Stage Cementing Collar Used? ☑ Yes ☐ No
If yes, show depth set: 2398 Feet
If Alternate II completion, cement circulated from: 2398
feet depth to: 0 w/ 385 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 6500 ppm Fluid volume: 2500 bbls
Dewatering method used: Evaporated
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: 08/27/2013
☑ **Confidential Release Date:** 08/27/2015
☑ **Wireline Log Received**
☑ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** NAOMI JAMES **Date:** 09/09/2013

CORRECTION #1
Page Two

1157712

Operator Name: Shakespeare Oil Co., Inc. Lease Name: Janzen Well #: 1-34

Sec. 34 Twp. 16 S. R. 34 ☐ East ☑ West County: Scott

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 *(Attach Additional Sheets)*	☑ Yes	☐ No
Samples Sent to Geological Survey	☑ Yes	☐ No
Cores Taken	☐ Yes	☑ No
Electric Log Run	☑ Yes	☐ No

List All E. Logs Run:
Attached

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Attached	Attached	Attached

CASING RECORD ☑ New ☐ 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
Surface	12.25	8.625	23	264	Class A	175	3% CaCl2, 2% gel
Production	7.875	5.5	15.5	4891	ASC	180	10% salt, 2% gel, w/5#/sx Gilsonite, 1/4#.

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☑ Protect Casing ☐ Plug Back TD ☐ Plug Off Zone	2398-0	Poz	385	65/35 w/8% gel, 1/4#/sk flocele
	-			

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 *(Amount and Kind of Material Used)*	Depth
4	Ft Scott	250 gal 15% RWR	4592-96
4	Marmaton "B"	750 gal 15% RWR & 500# rock salt	4476-86

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:
	2.375	4836.66		☐ Yes ☑ No

Date of First, Resumed Production, SWD or ENHR. 8/21/2013

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
	50				23			32

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:
☐ Vented ☐ Sold ☑ Used on Lease *(If vented, Submit ACO-18.)*	☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)* ☐ Other *(Specify)* _____	_____ _____

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Janzen 1-34
Doc ID	1157712

All Electric Logs Run

Array Induction
Photo Density
Comp Neutron
Microlog
Sonic

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Janzen 1-34
Doc ID	1157712

Tops

Name	Top	Datum
Base Anhydrite	2453	+673
Heebner	3980	-854
Lansing	4024	-898
Muncie Creek	4212	-1086
Stark Shale	4312	-1186
Hushpuckney	4358	-1232
Pawnee	4530	-1404
L. Cherokee Shale	4614	-1488
Johnson	4655	-1529
Morrow Shale	4730	-1604
Mississippian	4974	-1668

Summary of Changes

Lease Name and Number: Janzen 1-34

API/Permit #: 15-171-20956-00-00

Doc ID: 1157712

Correction Number: 1

Approved By: NAOMI JAMES

Field Name	Previous Value	New Value
Approved Date	08/27/2013	09/09/2013
CasingNumbSacksUsedPDF_2	235	180
Save Link	../../kcc/detail/operatorEditDetail.cfm?docID=1156457	../../kcc/detail/operatorEditDetail.cfm?docID=1157712

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1156457

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

OPERATOR: License # 7311
Name: Shakespeare Oil Co., Inc.
Address 1: 202 W MAIN ST
Address 2:
City: SALEM State: IL Zip: 62881 + 1519
Contact Person: Don Williams
Phone: (618) 548-1585
CONTRACTOR: License # 33935
Name: H. D. Drilling, LLC
Wellsite Geologist: Steve Davis
Purchaser: NCRA

Designate Type of Completion:

- [x] New Well
- [ ] Re-Entry
- [ ] Workover

- [x] Oil
- [ ] WSW
- [ ] SWD
- [ ] SIOW
- [ ] Gas
- [ ] D&A
- [ ] ENHR
- [ ] SIGW
- [ ] OG
- [ ] GSW
- [ ] Temp. Abd.
- [ ] CM *(Coal Bed Methane)*
- [ ] Cathodic
- [ ] Other *(Core, Expl., etc.)*:

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

Operator:
Well Name:
Original Comp. Date: Original Total Depth:

- [ ] Deepening
- [ ] Re-perf.
- [ ] Conv. to ENHR
- [ ] Conv. to SWD
- [ ] Conv. to GSW
- [ ] Plug Back: Plug Back Total Depth
- [ ] Commingled Permit #:
- [ ] Dual Completion Permit #:
- [ ] SWD Permit #:
- [ ] ENHR Permit #:
- [ ] GSW Permit #:

7/03/2013	7/14/2013	8/21/2013
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-171-20956-00-00
Spot Description:
NW - NE - SE - NE Sec. 34 Twp. 16 S. R. 34 [ ] East [x] West
1363 Feet from [x] North / [ ] South Line of Section
339 Feet from [x] East / [ ] West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- [x] NE
- [ ] NW
- [ ] SE
- [ ] SW

County: Scott
Lease Name: Janzen Well #: 1-34
Field Name: Wildcat
Producing Formation: Ft Scott, Marmaton "B"
Elevation: Ground: 3119 Kelly Bushing: 3126
Total Depth: 4895 Plug Back Total Depth: 4822
Amount of Surface Pipe Set and Cemented at: 264 Feet
Multiple Stage Cementing Collar Used? [x] Yes [ ] No
If yes, show depth set: 2398 Feet
If Alternate II completion, cement circulated from: 2398
feet depth to: 0 w/ 385 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 6500 ppm Fluid volume: 2500 bbls
Dewatering method used: Evaporated

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

- [x] **Letter of Confidentiality Received**
  Date: 08/27/2013
- [ ] **Confidential Release Date:**
- [x] **Wireline Log Received**
- [x] **Geologist Report Received**
- [ ] **UIC Distribution**

ALT [ ] I [x] II [ ] III **Approved by:** NAOMI JAMES **Date:** 08/27/2013

Page Two

Operator Name: Shakespeare Oil Co., Inc. Lease Name: Janzen Well #: 1-34

Sec. 34 Twp. 16 S. R. 34 ☐ East ☑ West County: Scott

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 *(Attach Additional Sheets)*	☑ Yes	☐ No	
Samples Sent to Geological Survey	☑ Yes	☐ No	
Cores Taken	☐ Yes	☑ No	
Electric Log Run	☑ Yes	☐ No	
Geologist Report / Mud Logs	☐ Yes	☐ No	

List All E. Logs Run: Attached

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name: Attached Top: Attached Datum: Attached

CASING RECORD ☑ New ☐ 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
Surface	12.25	8.625	23	264	Class A	175	3% CaCl2, 2% gel
Production	7.875	5.5	15.5	4891	ASC	180	10% salt, 2% gel, w/5#/sx Gilsonite, 1/4#

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☑ Protect Casing ☐ Plug Back TD ☐ Plug Off Zone	2398-0	Poz	385	65/35 w/8% gel, 1/4#/sk flocele
	-			

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: 8/21/2013

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	50		23		32

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☑ Used on Lease *(If vented, Submit ACO-18.)*

METHOD OF COMPLETION: ☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*

PRODUCTION INTERVAL: Top Bottom

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)*
4					250 gal 15% RWR
4					750 gal 15% RWR & 500# rock salt

TUBING RECORD: Size: 2.375 Set At: 4836.66 Packer At:

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Janzen 1-34
Doc ID	1156457

All Electric Logs Run

Array Induction
Photo Density
Comp Neutron
Microlog
Sonic

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Janzen 1-34
Doc ID	1156457

Tops

Name	Top	Datum
Base Anhydrite	2453	+673
Heebner	3980	-854
Lansing	4024	-898
Muncie Creek	4212	-1086
Stark Shale	4312	-1186
Hushpuckney	4358	-1232
Pawnee	4530	-1404
L. Cherokee Shale	4614	-1488
Johnson	4655	-1529
Morrow Shale	4730	-1604
Mississippian	4974	-1668

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Janzen 1-34
Doc ID	1156457

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	Ft Scott	250 gal 15% RWR	4592-96
4	Marmaton "B"	750 gal 15% RWR & 500# rock salt	4476-86

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Janzen 1-34
Doc ID	1156457

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	264	Class A	175	3% CaCl2, 2% gel
Production	7.875	5.5	15.5	4891	ASC	235	10% salt, 2% gel, w/5#/sx Gilsonite, 1/4#/sx Floseal & 3/4 of 1% CD-31

ALLIED
OIL & GAS SERVICES, LLC

PO Box 93999
Southlake, TX 76092

Voice: (817) 546-7282
Fax: (817) 246-3361

INVOICE

Invoice Number: 137196
Invoice Date: Jul 3, 2013
Page: 1

Now Includes:

Treat-Em-Rite Pressure Pumping Service, LLC

Bill To:

Shakespeare Oil Co., Inc.
202 West Main St.
Salem, IL 62881

Customer ID	Field Ticket #	Payment Terms	
Shak	60757	Net 30 Days	
Job Location	**Camp Location**	**Service Date**	**Due Date**
KS1-01	Oakley	Jul 3, 2013	8/2/13

Quantity	Item	Description	Unit Price	Amount
		Janzen #1-34		
175.00	MAT	Class A Common	17.90	3,132.50
3.00	MAT	Gel	23.40	70.20
6.00	MAT	Chloride	64.00	384.00
189.23	SER	Cubic Feet	2.48	469.29
388.35	SER	Ton Mileage	2.60	1,009.71
1.00	SER	Surface	1,512.25	1,512.25
45.00	SER	Pump Truck Mileage	7.70	346.50
1.00	SER	Manifold Head Rental	275.00	275.00
45.00	SER	Light Vehicle Mileage	4.40	198.00
1.00	CEMENTER	Andrew Forslund		
1.00	EQUIP OPER	D J Gray		
1.00	EQUIP OPER	Talon Jones		

Surface
10502-05

RECEIVED
JUL 15 2013
KCC WICHITA

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

$ 1,923.33

ONLY IF PAID ON OR BEFORE
Jul 28, 2013

Subtotal	7,397.45
Sales Tax	292.32
Total Invoice Amount	7,689.77
Payment/Credit Applied	
TOTAL	**7,689.77**

ALLIED OIL & GAS SERVICES, LLC 060757

Federal Tax I.D. # 20-8651476

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

SERVICE POINT: Oakley

DATE 2-3-13	SEC. 34	TWP. 16	RANGE 34	CALLED OUT	ON LOCATION	JOB START 6:30pm	JOB FINISH 7:00pm
LEASE Janzen	WELL # 1-34		LOCATION Pence 2E 2½S			COUNTY Scott	STATE KS
OLD OR (NEW) (Circle one)			Into				

CONTRACTOR H O #3
TYPE OF JOB Surface
HOLE SIZE 12¼ T.D. 267'
CASING SIZE 8 5/8 DEPTH 267'
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG. 15'
PERFS.
DISPLACEMENT 16.05 BBL

OWNER Same

EQUIPMENT

PUMP TRUCK # 431 CEMENTER Andrew Fordund
HELPER DJ Gray
BULK TRUCK #396 DRIVER Talon Jones
BULK TRUCK # DRIVER

REMARKS:

Cement Did circulate

Thank You

CHARGE TO: Shakespeare
STREET
CITY STATE ZIP

CEMENT

AMOUNT ORDERED 125 sks com 3%cc 2%gel

COMMON	125 sks	@ 12.90	3132.50
POZMIX		@	
GEL	3 sks	@ 23.40	70.20
CHLORIDE	6 sks	@ 64.00	384.00
ASC		@	
HANDLING	189.23 cu/ft	@ 2.48	469.29
MILEAGE	2.60 ton/mile	8.62 ton	1809.71
		TOTAL	5065.20

SERVICE

DEPTH OF JOB	267'		
PUMP TRUCK CHARGE			1512.25
EXTRA FOOTAGE		@	
MILEAGE	45 miles	@ 2.20	346.50
MANIFOLD	head	@	225.00
Light vehicle		@ 4.40	198.00
		@	
		TOTAL	2331.25

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 LeWayne Tresner

SIGNATURE LeWayne Tresner

SALES TAX (If Any)
TOTAL CHARGES 7,397.45
DISCOUNT 1,923.33 IF PAID IN 30 DAYS
5,474.11 Net.

ALLIED
OIL & GAS SERVICES, LLC

PO Box 93999
Southlake, TX 76092

Voice: (817) 546-7282
Fax: (817) 246-3361

INVOICE

Invoice Number: 137453
Invoice Date: Jul 14, 2013
Page: 1

Now Includes:

Treat-Em-Rite Pressure Pumping Service, LLC

Bill To:

Shakespeare Oil Co., Inc.
202 West Main St.
Salem, IL 62881

Customer ID	Field Ticket #	Payment Terms	
Shak	60820	Net 30 Days	
Job Location	**Camp Location**	**Service Date**	**Due Date**
KS1-04	Oakley	Jul 14, 2013	8/13/13

Quantity	Item	Description	Unit Price	Amount
		Janzen #1-34		
180.00	MAT	ASC	20.90	3,762.00
19.00	MAT	Salt	26.35	500.65
900.00	MAT	Gilsonite	0.98	882.00
12.00	MAT	WFR-2	58.70	704.40
127.00	MAT	CD-31	10.30	1,308.10
230.36	SER	Cubic Feet	2.48	571.29
452.47	SER	Ton Mileage	2.60	1,176.44
1.00	SER	~~Port Collar~~ ✓	2,765.75	2,765.75
45.00	SER	Pump Truck Mileage	7.70	346.50
1.00	SER	Manifold Head Rental	275.00	275.00
45.00	SER	Light Vehicle Mileage	4.40	198.00
1.00	CEMENTER	Alan Ryan		
1.00	EQUIP OPER	Wayne McGhghy		
1.00	OPER ASSIST	David Scariano		

INT

Production

Prod
10502-S

RECEIVED
JUL 29 2013

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

$ 3,247.43

ONLY IF PAID ON OR BEFORE
Aug 8, 2013

Subtotal	12,490.13
Sales Tax	583.31
Total Invoice Amount	13,073.44
Payment/Credit Applied	
TOTAL	**13,073.44**

DW

11539
118.84

ALLIED OIL & GAS SERVICES, LLC 060820

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: Oakley Ks

DATE 7/14/13	SEC. 34	TWP. 16	RANGE 34	CALLED OUT	ON LOCATION	JOB START 8:30	JOB FINISH 6:30
LEASE Jen 2013	WELL # 1-34		LOCATION Pence 2E 2/8S 1W into			COUNTY Scott	STATE Ks
OLD OR NEW (Circle one)							

CONTRACTOR HD #3
TYPE OF JOB Prod. - Port Collar
HOLE SIZE 7 7/8 T.D. 4893
CASING SIZE 5 1/2 15 1/2 DEPTH 4891
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL Port Collar DEPTH 2405.43
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT 42.77
CEMENT LEFT IN CSG. 42.77
PERFS.
DISPLACEMENT

OWNER Same

CEMENT

AMOUNT ORDERED 180 ASC 10% Salt 5# Gilsonite 2% gel 3/4-1% 500 gal WFR II CD 31

COMMON		@	
POZMIX		@	
GEL		@	
CHLORIDE		@	
ASC	180	@ 20.90	3762.00
		@	
Salt	19 sks	@ 26.35	500.65
Gilsonite	900 lb	@ .98	882.00
		@	
WFR II	12 bbl	@ 58.20	704.40
		@	
CD 31	127 lb	@ 10.30	1308.10
HANDLING	CF 238	@ 2.40	571.29
MILEAGE	2.61 ton/mile 10.055 ton		1176.44

TOTAL ~~8904.88~~ 8904.88

EQUIPMENT

PUMP TRUCK CEMENTER Alan
422 HELPER Wayne
BULK TRUCK
347 DRIVER David
BULK TRUCK
DRIVER

REMARKS:

Run Csg Circulate Plug RH 30 sk, mix WFR II mix 150 sks down 5 1/2 Wash Truck & Displace Plug to Latch Down w/ 116 BBL H2O w/ 250 PSI Lift Land Plug @ 1500 PSI Float Held.

Thank You
Alan, Wayne, David

SERVICE

DEPTH OF JOB	4891 ft		
PUMP TRUCK CHARGE			2765.25
EXTRA FOOTAGE		@	
MILEAGE	45 Miles	@ 7.70	346.50
MANIFOLD & Head		@	225.00
Lite Vehicle	45 miles	@ 4.40	198.00
		@	

TOTAL 3535.25

CHARGE TO: Shakespeare
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 12490.13
DISCOUNT 3,247.43 IF PAID IN 30 DAYS
9,242.69 Net.

PRINTED NAME LeWayne Tresner

SIGNATURE [signature]

ALLIED
OIL & GAS SERVICES, LLC

PO Box 93999
Southlake, TX 76092

Voice: (817) 546-7282
Fax: (817) 246-3361

INVOICE

Invoice Number: 137452
Invoice Date: Jul 17, 2013
Page: 1

Now Includes:

Treat-Em-Rite Pressure Pumping Service, LLC

Bill To:

Shakespeare Oil Co., Inc.
202 West Main St.
Salem, IL 62881

Customer ID	Field Ticket #	Payment Terms	
Shak	60765	Net 30 Days	
Job Location	**Camp Location**	**Service Date**	**Due Date**
KS1-04	Oakley	Jul 17, 2013	8/16/13

Quantity	Item	Description	Unit Price	Amount
		Janzen #1-34		
250.00	MAT	Class A Common	17.90	4,475.00
135.00	MAT	Pozmix	9.35	1,262.25
27.00	MAT	Gel	23.40	631.80
96.00	MAT	Flo Seal	2.97	285.12
12.00	MAT	Cottonseed Hulls	35.00	420.00
622.96	SER	Cubic Feet	2.48	1,544.94
1,165.50	SER	Ton Mileage	2.60	3,030.30
1.00	SER	Port Collar	2,483.59	2,483.59
45.00	SER	Pump Truck Mileage	7.70	346.50
45.00	SER	Light Vehicle Mileage	4.40	198.00
1.00	CEMENTER	Andrew Forslund		
1.00	EQUIP OPER	D J Gray		
1.00	OPER ASSIST	Kevin Ryan		
1.00	EQUIP OPER	Talon Jones		

INT

RECEIVED
JUL 29 2013

Port Collar
10502-S

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

$ 3,816.15

ONLY IF PAID ON OR BEFORE
Aug 11, 2013

Subtotal	14,677.50
Sales Tax	576.54
Total Invoice Amount	15,254.04
Payment/Credit Applied	
TOTAL	**15,254.04**

DW

ALLIED OIL & GAS SERVICES, LLC 060765

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: Oakley

DATE 2-12-13	SEC. 34	TWP. 16	RANGE 34	CALLED OUT	ON LOCATION	JOB START 12:00	JOB FINISH 1:00Pm
LEASE Janzen	WELL # 1-34		LOCATION Pence 2E 2½S w into			COUNTY Scott	STATE KS
OLD OR (NEW) (Circle one)							

CONTRACTOR Cheyenne well service
TYPE OF JOB Port collar
HOLE SIZE T.D.
CASING SIZE 5½ DEPTH
TUBING SIZE 2⅞ DEPTH 2405'
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG.
PERFS.
DISPLACEMENT 9.37 BBL

OWNER same

EQUIPMENT

PUMP TRUCK CEMENTER Andrew
431 HELPER OJ
BULK TRUCK
373 DRIVER Kevin
BULK TRUCK
347 DRIVER Talon

CEMENT

AMOUNT ORDERED 550 sks 4% gel 8% salt ¼# flo-seal, 1000# Hulls
used 385 sks cement 600# Hulls

COMMON	280 sks	@ 12.90	4475.00
POZMIX	135 sks	@ 9.45	1242.25
GEL	27 sks	@ 23.40	631.80
CHLORIDE		@	
ASC		@	
		@	
Flo-seal	96#	@ 2.97	285.12
		@	
		@	
Hulls	12 sks	@ 35.00	420.00
		@	
		@	
		@	
HANDLING	622.96 cu/ft	@ 2.48	1544.94
MILEAGE	2.60 ton/mile 25 miles		3030.30
		TOTAL	11649.41

REMARKS:

Pressure system 1200#, open Port Collar, start mixing cement. Circulate cement to surface with 385 sks cement 600# Hulls, Close Port collar, Pressure to 1200#, 1000# Lift pressure

Thank you

SERVICE

DEPTH OF JOB 2405'
PUMP TRUCK CHARGE 2483.59
EXTRA FOOTAGE @
MILEAGE 45 miles @ 7.70 346.50
MANIFOLD @
Light vehicle @ 4.40 198.00
@

TOTAL 3028.09

CHARGE TO: Shakespeare
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 14,677.50
DISCOUNT 3,816.15 IF PAID IN 30 DAYS
10,861.35 Net

PRINTED NAME
SIGNATURE John Hawks

SHAKESPEARE OIL COMPANY
JANZEN #1-34
1363' FNL & 339' FEL of Section 34 T16S R34W
SCOTT COUNTY, KANSAS
API# 15-171-20956-00-00

Geologist's Report
WellSight Systems
Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name:	**Janzen #1-34**		
Location:	**1363' FNL & 339' FEL of Section 34 T16S R 34W**		
License Number:	**API#15-171-20956-00-00**	**Region:**	**Scott County, Kansas**
Spud Date:	**07/03/2013**	**Drilling Completed:**	**07/14/2013**
Surface Coordinates:	**1363' FNL & 339' FEL**		
Bottom Hole Coordinates:	**Vertical Test**		
Ground Elevation (ft):	**GL 3119**	**K.B. Elevation (ft):**	**KB 3126**
Logged Interval (ft):	**RTD To: 3800**	**Total Depth (ft):**	**RTD 4895 LTD 4892**
Formation:	**Mississippi**		
Type of Drilling Fluid:	**Chemical (Displace @ 3484))**		

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

Operator

Company: **Shakespeare Oil Company, Inc. KLN# 7311**
Address: **202 W Main**
Salem, IL 62881

Geologist

Name: **Richard S.(Steve) Davis Jr.**
Company: **Consulting Geologist**
Address: **212 N. Market, Suite 268**
Wichita, Kansas 67202

KB 3126	E-Log Top	Sample Top	Datum
Anhydrite	2435	2439	+691
B/Anhydrite	2453	2458	+673
Topeka	3806	3811	-680
Heebner	3980	3985	-854
Toronto	3996	4002	-870
Lansing	4023	4028	-897
Muncie Creek	4211	4216	-1085
Stark	4312	4316	-1186
Hushpuckney	4357	4362	-1231
BKC	4403	4410	-1277
Marmaton	4454	4461	-1328
Fort Scott	4581	4585	-1455
Cherokee SH	4608	4614	-1482
Johnson Zone	4654	4659	-1528
Mississippi	4794	4800	-1668
Total Depth	4892	4895	-1766

DAILY PENETRATION: 7:00 AM

Date	Depth	Activity
07/03/13		spud
07/04	541	drlg
07/05	2110	drlg
07/06	3010	drlg
07/07	3635	drlg
07/08	4150	drlg
07/09	4290	drlg
07/10	4485	cfs (DST 2)
07/11	4542	drlg
07/12	4644	drlg
07/13	4740	drlg
07/14	4895	run 5 1/2"

CONTRACTOR:

HD Drilling Rig #3

Toolpusher: Lew Tresner

MUD:

Mud Co (displacement complete @ 3484)

Tony Maestas

CASING RECORD:

Surface: 8 5/8"@ 264'

Production: 5 1/2"

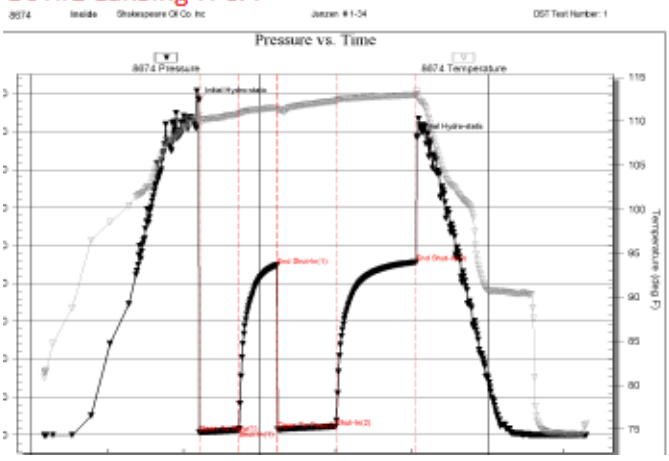
ELECTRIC LOG: Weatherford

(DIL, CDL/CNL, PE, MEL & Sonic)

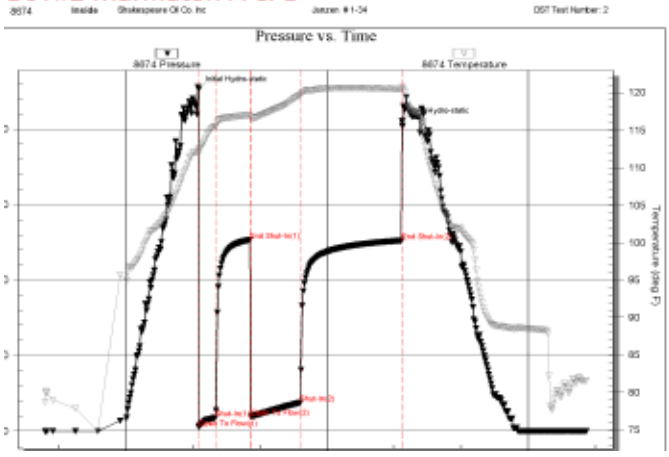
BIT RECORD:

Bit No./Size	Make/Type	Out	Ftg	Hrs
#1/ 12 1/4"	JZ/RT	267	267	1 1/2
#2/ 7 7/8"	JZ/HA 20-Q	4895	4628	138

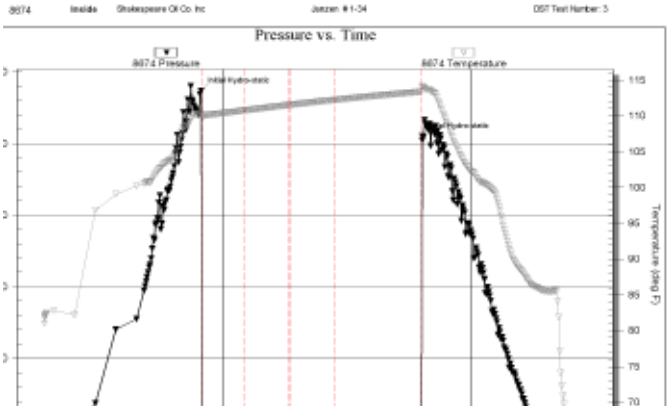
DST#1 Lansing H & I



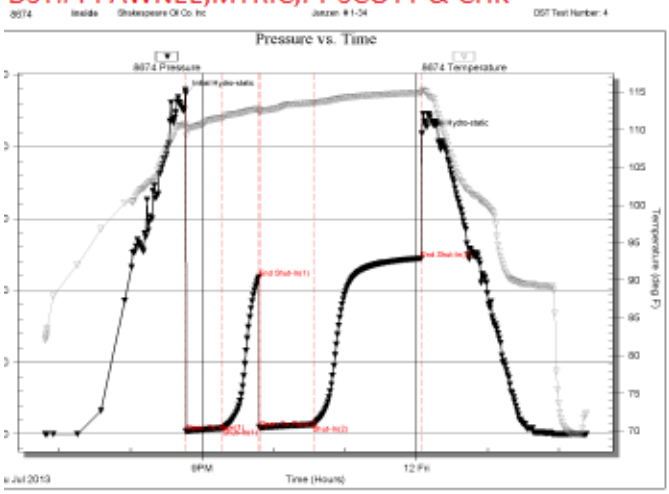
DST#2 Marmaton A & B



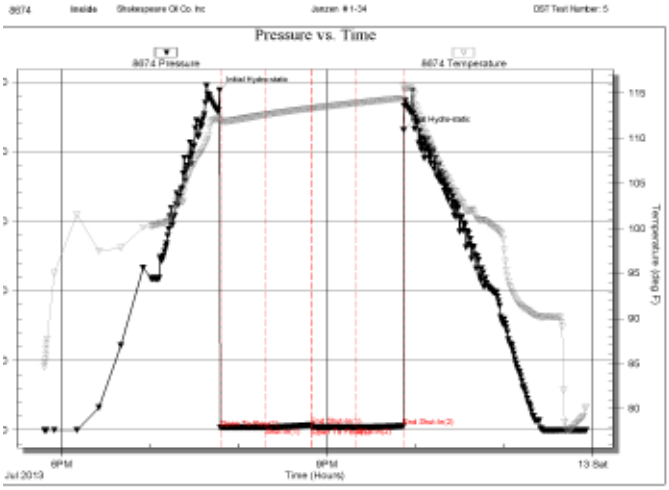
DST#3 Marmaton B & C



DST#4 PAWNEE,MYRIC,FT SCOTT & CHK

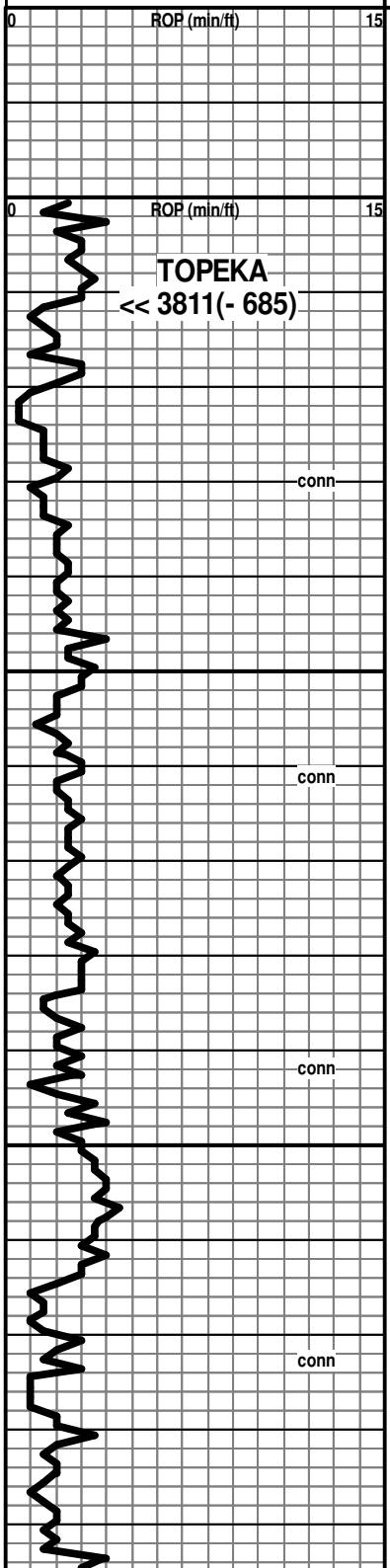


DST#5 Johnson

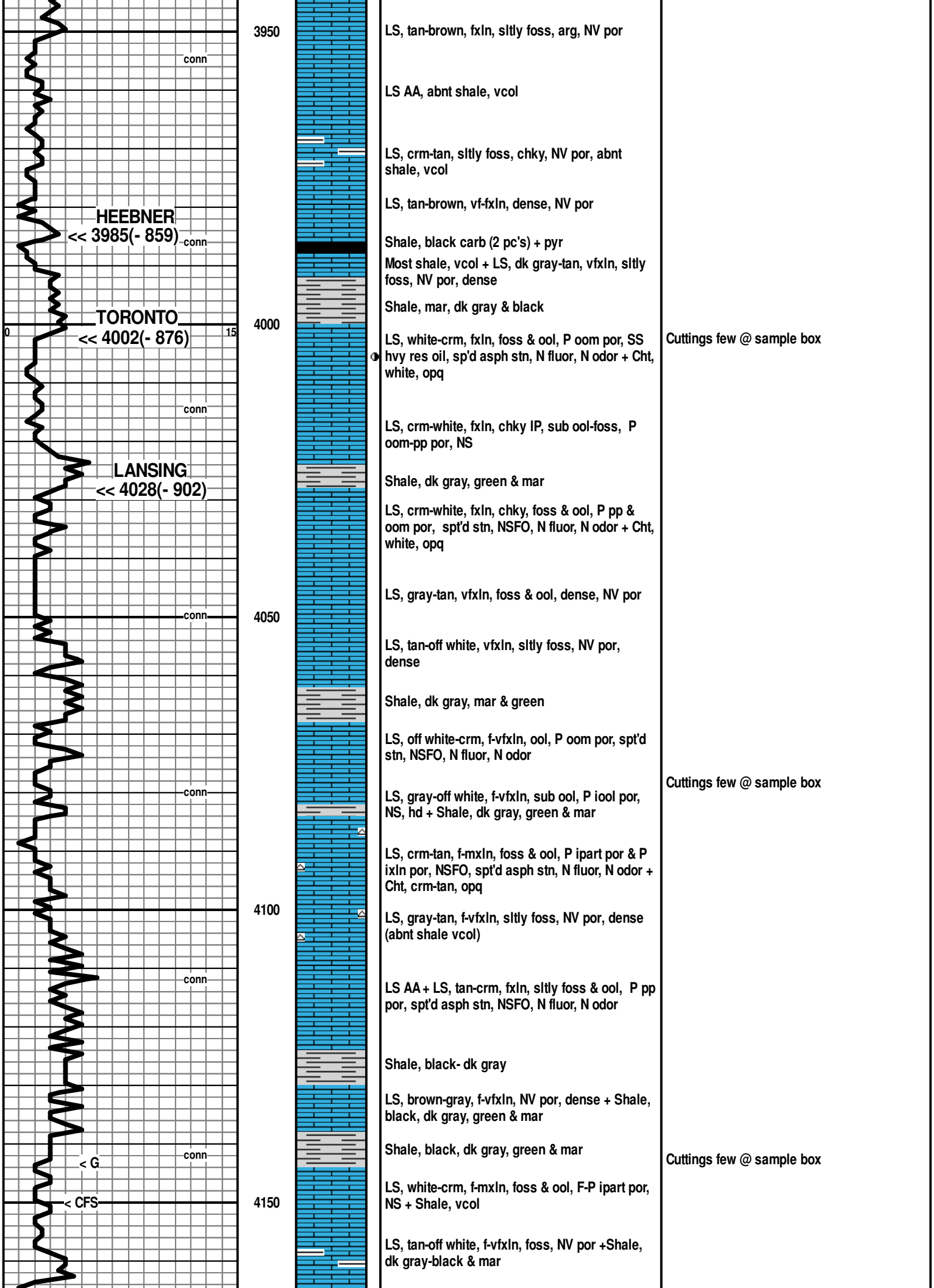


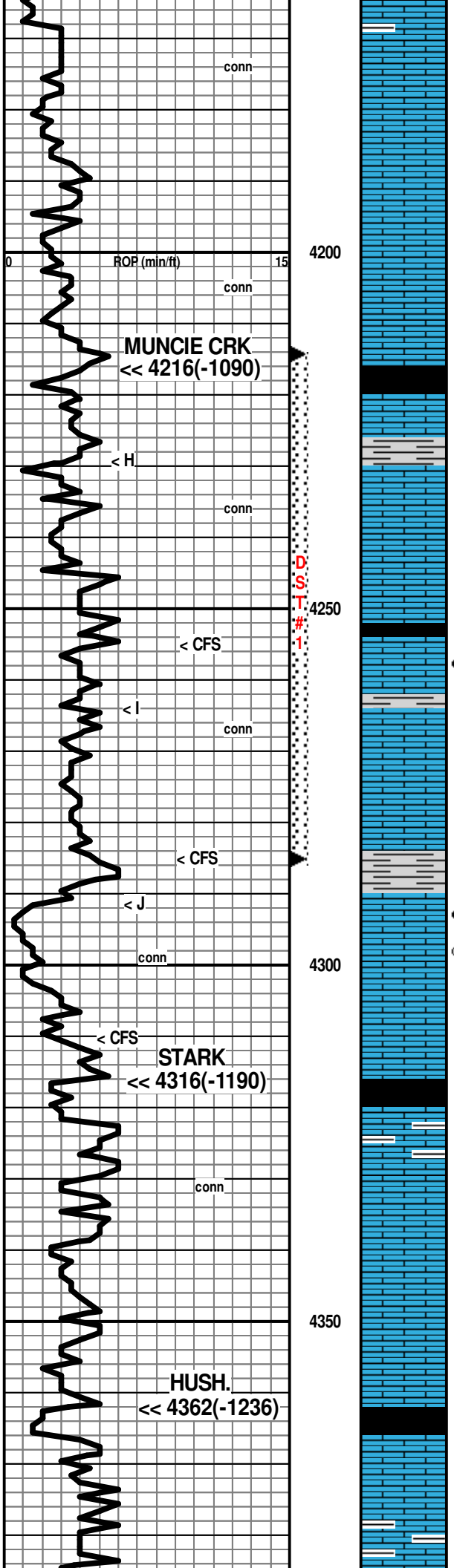
Rock Types

Anhy	Clyst	Gyp	Mrlst	Shgy
Bent	Coal	Igne	Salt	Sltst
Brec	Congl	Lmst	Shale	Ss
Cht	Dol	Meta	Shcol	Till



Depth	Lithology	Shows	Geological Descriptions	Remarks
				Vis 51 Wt 8.7 Fil 6.4 PH 11 Chl 3,400 LCM 3# 7/07/13 @ 3677
3800				
3850			Spl's non descript	
			Shale, gray, green, black & mar	
			Most shale, vcol	
			LS, gray-tan, fxln, arg, foss, NV por, abnt shale, vcol	
3900			Most shale, gray & red	
			(spl's poor)	Cuttings few @ sample box
			Shale, dk gray, black & mar	
			LS, gray-crm, fxln, arg, sltly foss, arg, NV por, hd + Shale, vcol	
			LS, tan-crm, f-vfxln, sltly foss, chky, NV por + Shale, vcol	
			(spl's poor)	
			LS, tan-brown, fxln, sltly foss, chky IP, NV por + Shale, vcol	


3950
conn
HEEBNER
<< 3985(- 859)
conn
TORONTO
<< 4002(- 876)
0
15
4000
conn
LANSING
<< 4028(- 902)
conn
4050
conn
conn
< G
< CFS
4100
conn
4150
LS, tan-brown, fxln, sltly foss, arg, NV por
LS AA, abnt shale, vcol
LS, crm-tan, sltly foss, chky, NV por, abnt shale, vcol
LS, tan-brown, vf-fxln, dense, NV por
Shale, black carb (2 pc's) + pyr
Most shale, vcol + LS, dk gray-tan, vfxln, sltly foss, NV por, dense
Shale, mar, dk gray & black
LS, white-crm, fxln, foss & ool, P oom por, SS hvy res oil, sp'd asph stn, N fluor, N odor + Cht, white, opq
Cuttings few @ sample box
LS, crm-white, fxln, chky IP, sub ool-foss, P oom-pp por, NS
Shale, dk gray, green & mar
LS, crm-white, fxln, chky, foss & ool, P pp & oom por, spt'd stn, NSFO, N fluor, N odor + Cht, white, opq
LS, gray-tan, vfxln, foss & ool, dense, NV por
LS, tan-off white, vfxln, sltly foss, NV por, dense
Shale, dk gray, mar & green
LS, off white-crm, f-vfxln, ool, P oom por, spt'd stn, NSFO, N fluor, N odor
Cuttings few @ sample box
LS, gray-off white, f-vfxln, sub ool, P iool por, NS, hd + Shale, dk gray, green & mar
LS, crm-tan, f-mxln, foss & ool, P ipart por & P ixln por, NSFO, spt'd asph stn, N fluor, N odor + Cht, crm-tan, opq
LS, gray-tan, f-vfxln, sltly foss, NV por, dense (abnt shale vcol)
LS AA + LS, tan-crm, fxln, sltly foss & ool, P pp por, spt'd asph stn, NSFO, N fluor, N odor
Shale, black- dk gray
LS, brown-gray, f-vfxln, NV por, dense + Shale, black, dk gray, green & mar
Shale, black, dk gray, green & mar
Cuttings few @ sample box
LS, white-crm, f-mxln, foss & ool, F-P ipart por, NS + Shale, vcol
LS, tan-off white, f-vfxln, foss, NV por +Shale, dk gray-black & mar



4200

4250

4300

4350

LS, crm-white, fxln, ool, chky, P oom por, NS + Shale, black, dk gray & mar

LS, tan-brown, vfxln, sltly foss, NV por, dense

LS, white-tan, f-vfxln, chky IP, sub ool & foss, P vgy por, NS

(spl's fine)

LS, brown-crm, f-mxln, slty foss & ool, P ixln por, NS, hd

LS, white-gray, fxln, chky IP, sltly foss & ool, P vgy - pp por, few pc's spt'd asph stn, most barren, NSFO

Shale, black carb

LS, tan-brown, vf-micro xln, sltly foss, NV por, dense + Shale, gray, black & mar

(spl's fine)

LS, crm-tan, fxln, chky IP, ool, F oom por, NS, N odor

(spl's fine)

LS, brown-gray, mot, vfxln, sltly foss, NV por, hd

Shale, black carb

LS, gray-tan, fxln, sub ool & foss, chky IP, P oom por & P ixln por, SSFO, spt'd lt stn, dull spt'd fluor, fnt odor + Shale, dk gray, black & mar

LS, crm-white, fxln, chky, sub ool, P pp por, ? spt'd stn, NSFO + LS, gray-brown, vf-fxln, sltly foss, NV por, dense

Shale, dk gray, black, mar & green

LS, tan-gray, fxln, ool, F- G oom & iool por, S-FSFO (V hvy) , spt'd-unf asph stn few pc's, most barren, dull spt'd fluor, F odor

LS, gray-tan, f-vfxn, sub ool, NV por, dense

Shale, black carb

LS, brown-gray, f-vfxln, NV por, hd + Shale, gray-black, mar

LS, brown, gray, f-vfxln, sltly foss, rr P vgy por, NS

LS, gray-tan, fxln, chky, ool, P oom por-vgy por, NSFO, few pc's w/ spt'd asph edge stn, N fluor, N odor

LS, tan-gray, vfxln, sltly foss, NV por, dense + Cht, gray, opq

Shale, black carb

LS, brown-gray, f-mxln, sltly foss, NV por, dense + LS, crm-gray, fxln, chky IP, NV por

LS, brown-gray, fxln, arg, sltly foss, NV por, hd + Shale, black, dk gray & mar + Cht, gray, opq

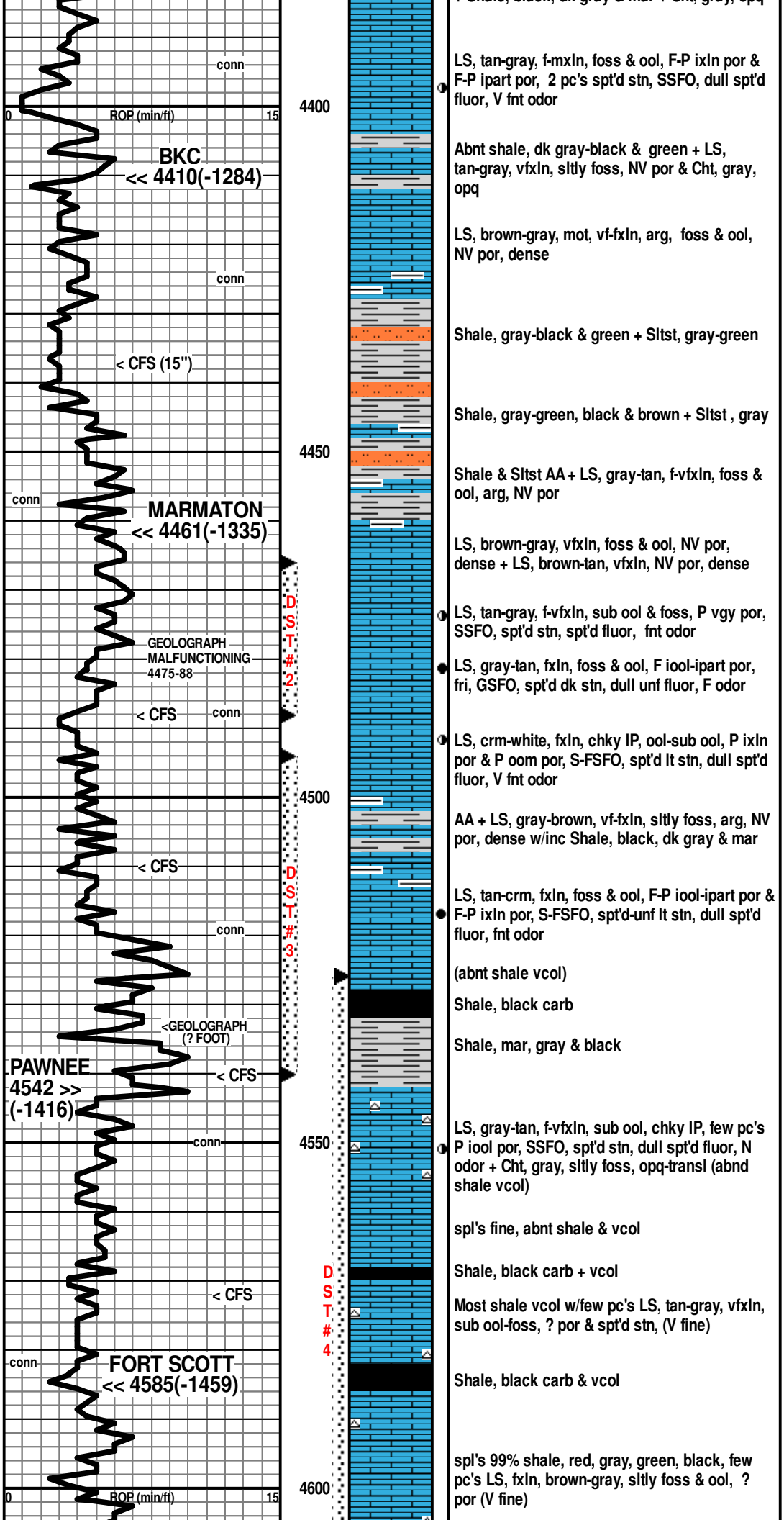
Vis 51 Wt 9.2 Fil 8.8 PH 10
Chl 4,000 LCM 2#
7/08/13 @ 4179

Survey @ 4285, 1/4
(Too windy for strap)

DST #1 4214 - 4285
(Lansing H & I Zones)
30 30 45 60
BLOW:
IF surface blow
FF surface blow
RECOVERY:
10' WCM w/few oil spots
(23% w 77% m)
60' WCM
(38% w 62% m)
70' TOTAL FLUID
IHP 2202
IFP 17 - 32
ISIP 1118
FFP 36 - 56
FSIP 1139
FHP 1965 BHT 108 F

Vis 47 Wt 9.2 Fil 10.4 PH 9
Chl 7,500 LCM 2#
7/09/13 @ 4310

Vis 47 Wt 9.2



Pipe Strap @ 4488, .09 strap long

DST#2 4466 - 4488

(Marmaton A & B)
15 30 45 90
BLOW:
IF BOB 12 1/2 min
ISI Surface return in 18 min
FF BOB 12 min
FSI Surface return in 10 min
RECOVERY: 543' GIP
77' GO (6% g 94% o)
124' MCGO (24% g 58% o 18% m)
124' MCGO (30% g 48% o 22% m)
62' G&MCO (10%g 60% o 30% m)
120' G&OCM (17% g 38% o 45% m)
507' TOTAL FLUID (Gr 26 API)
IHP 2260
IFP 25 - 89
ISIP 1266
FFP 96 - 188
FSIP 1261
FHP 2050 BHT 116 F

Vis 58 Wt 9.3 Fil 8.8 PH 10.5
Chl 7,000 LCM 2#
7/10/13 @ 4488

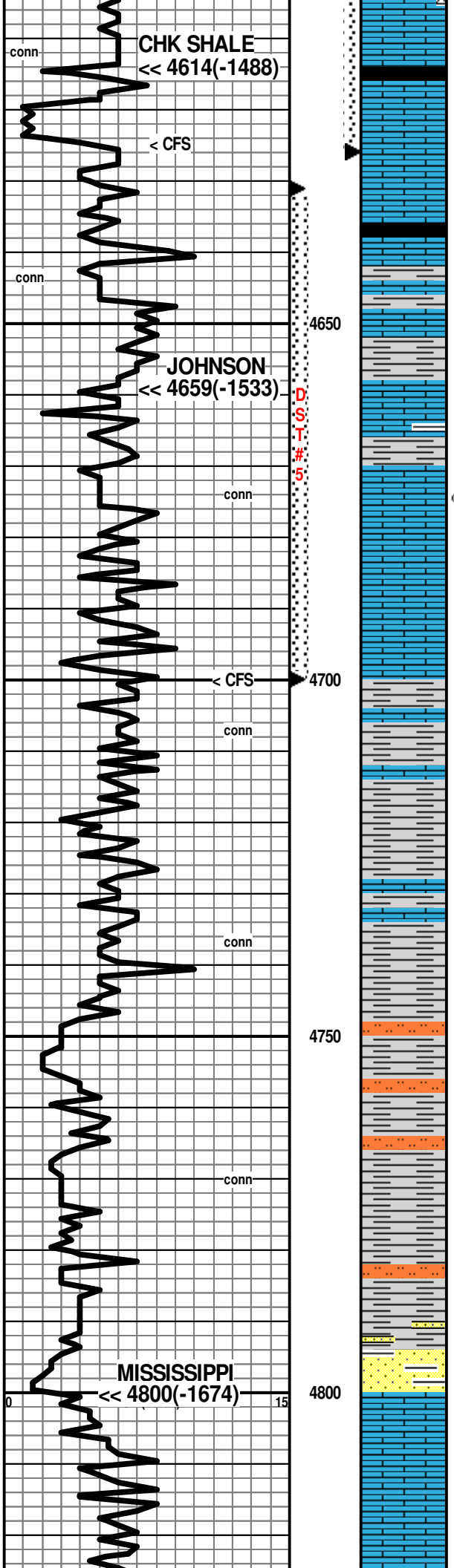
DST#3 4494 - 4540

(Marmaton B & C)
30 30 30 60
BLOW:
IF Weak surface
FF No blow
RECOVERY:
1' M w/oil spots
IHP 2367
IFP 16 - 17
ISI 20
FFP 17 - 18
FSI 21
FHP 2050 BHT 107 F

Vis 52 Wt 9.2 Fil 9.6 PH 10.5
Chl 7,400 LCM 2#
7/11/13 @ 4542

DST#4 4525 - 4625

(Pawnee, Myrick, Ft Scott, Cherokee)
30 30 45 90
BLOW:
IF Weak built to 3 1/2"
FF Weak built to 4 3/4"
(No return ISI or FSI)
RECOVERY: 188' GIP
58' SO&GCM (12% g 4% o 84% m)
60' SO&GCM (21% g 2% o 77% m)
118' TOTAL FLUID
IHP 2366#
IFP 17 - 39
ISIP 1089
FFP 42 -65
FSIP 1221
FHP 2090 BHT 118 F



Sample 99% shale, non descript

LS, gray-tan, fxln, sub ool, chky IP, NV por, dense + Shale dk gray- black

Shale, black carb

LS, gray-tan, mot, f-vfxln, sub ool, arg, NV por, dense + abnt shale vcol

Shale, black, dk gray, mar, green

LS, gray-brown, vfxln, sltly foss + abnt shale vcol

LS, gray-tan, f-vfxln, sltly foss, few pc's P ixln, VSSFO (bleeding), spt'd stn, N fluor, N odor (most shale vcol)

LS, brown-gray, f-vfxln, foss & ool, NV por, abndt shale, red, mar, gray, black & green

LS, tan-brown, fxln, sltly foss, dense, NV por + Shale vcol

LS, brown-gray, vf-fxln + Shale, gray, green, black

Most Shale, dk gray, green & mar & yel + LS, brown-gray, vfxln, dense, NV por

Shale, gray, green, mar, brown & yel + Sltst, gray-green

Shale, green, gray, black, mar & yel + Sltst, gray-green

Shale, vcol

Shale, gray, green, brown, mar & green + Sltst, gray & green

SS, tan-clr qtz, f-mgrn(some crs), mod sort, rd-sub rd, comp-fri, F- G ig por, NS + LS, white-green, fxln, V sdy, sft, NV por

LS, white-tan, f-vfxln, sdy, chky IP, NV por + abnd shale vcol

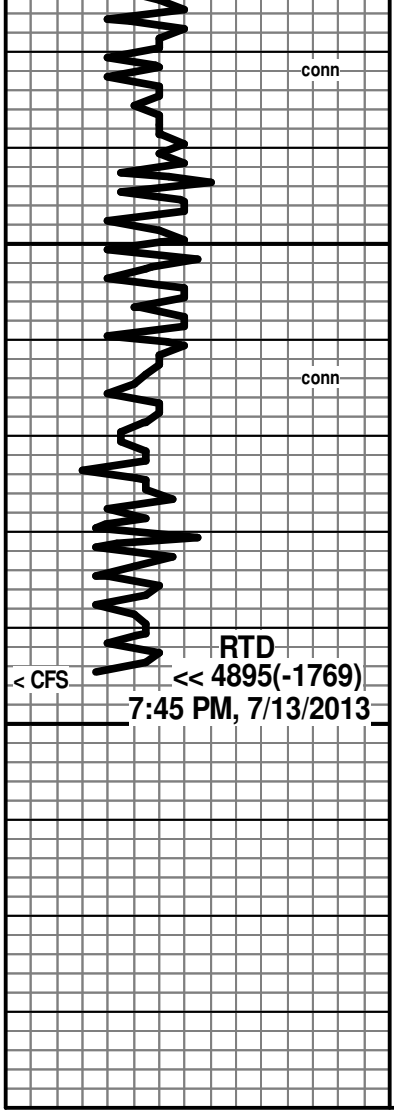
LS, crm-white & green, fxln, chky IP, sdy, NV por + abnd shale vcol

LS AA + LS, white-crm, fxln, chky IP, sub ool

Vis 50 Wt 9.3 Fil 10.8 PH 10.5
Chl 11,000 LCM 2#
7/12/13 @ 4668

DST#5 4631 - 4700
(Johnson Zone)
30 30 30 30
BLOW:
IF Surface died 18 min
FF No blow
RECOVERY: 5' M w/oil scum
IHP 2441
IFP 18 - 20
ISIP 34
FFP 19 - 20
FSIP 29
FHP 2156 BHT 111 F

Vis 49 Wt 9.3 Fil 12 PH 10.5
Chl 11,000 LCM 2#
7/13/13 @ 4768



		w/few qtz grns + abnd shale vcol	
		LS, white-crm, fxln, chky IP, sub ool, NV por + abnd shale vcol	
4850		LS, white-crm, fxln, chky IP, ool-sub ool, sltly sdy, NV por + abnd shale vcol	
		LS, white-crm, fxln, chky IP, sub ool-ool, chky, NV por + abnd shale vcol	
		LS, white-crm, fxln, chky, ool, sft, NV por + LS, white-tan, vxln, NV por & abnt shale vcol	
		LS, white-crm, fxln, ool, chky, P iool por, NS + LS, white, fxln chky, NV por + Shale, vcol	
4900			Survey @ 4895, 3/4

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc

202 W. Main St.
Salem IL 62881

ATTN: Steve Davis

34-16s-34w Scott Co. KS

Janzen # 1-34

Job Ticket: 49079 **DST#: 1**

Test Start: 2013.07.08 @ 21:10:00

GENERAL INFORMATION:

Formation: **LKC " H - I "**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 23:12:10
Time Test Ended: 04:17:39

Test Type: Conventional Bottom Hole (Initial)
Tester: Will MacLean
Unit No: 58

Interval: 4214.00 ft (KB) To 4285.00 ft (KB) (TVD)
Total Depth: 4285.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

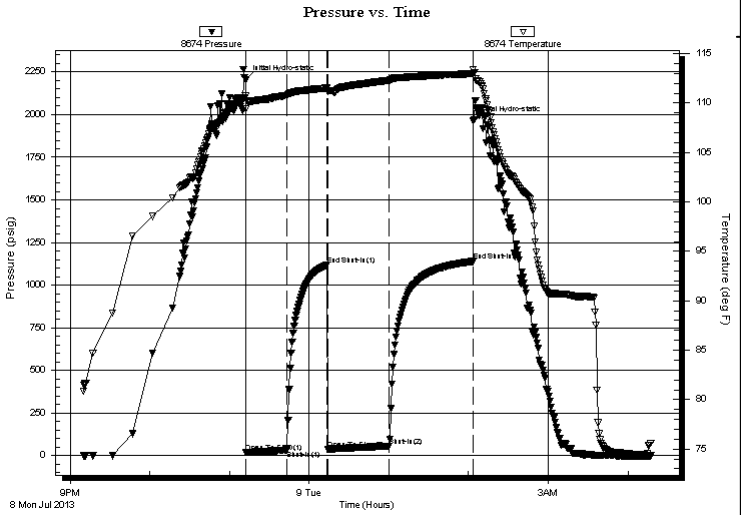
Reference Elevations: 3126.00 ft (KB)
3119.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8674 **Inside**

Press@RunDepth: 56.53 psig @ 4215.00 ft (KB)
Start Date: 2013.07.08 End Date: 2013.07.09
Start Time: 21:10:00 End Time: 04:17:39

Capacity: 8000.00 psig
Last Calib.: 2013.07.09
Time On Btm: 2013.07.08 @ 23:11:55
Time Off Btm: 2013.07.09 @ 02:03:39

TEST COMMENT: IF- Weak Surface Blow 1/4"
ISI- No Blow
FF- Weak Surface Blow in 20min
FSI- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2202.71	110.69	Initial Hydro-static
1	17.47	109.39	Open To Flow (1)
32	32.76	110.77	Shut-In(1)
62	1118.78	111.51	End Shut-In(1)
62	36.32	111.17	Open To Flow (2)
109	56.53	112.30	Shut-In(2)
172	1139.62	112.97	End Shut-In(2)
172	1965.20	113.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	WCM 38%w 62%m	0.30
10.00	WCM 38%w 62%m A Few Oil Spots	0.05

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co. Inc

202 W. Main St.
Salem IL 62881

ATTN: Steve Davis

34-16s-34w Scott Co. KS

Janzen # 1-34

Job Ticket: 49079 **DST#: 1**

Test Start: 2013.07.08 @ 21:10:00

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:	22000 ppm
Viscosity:	51.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.77 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	4000.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	WCM 38%w 62%m	0.295
10.00	WCM 38%w 62%m A Few Oil Spots	0.049

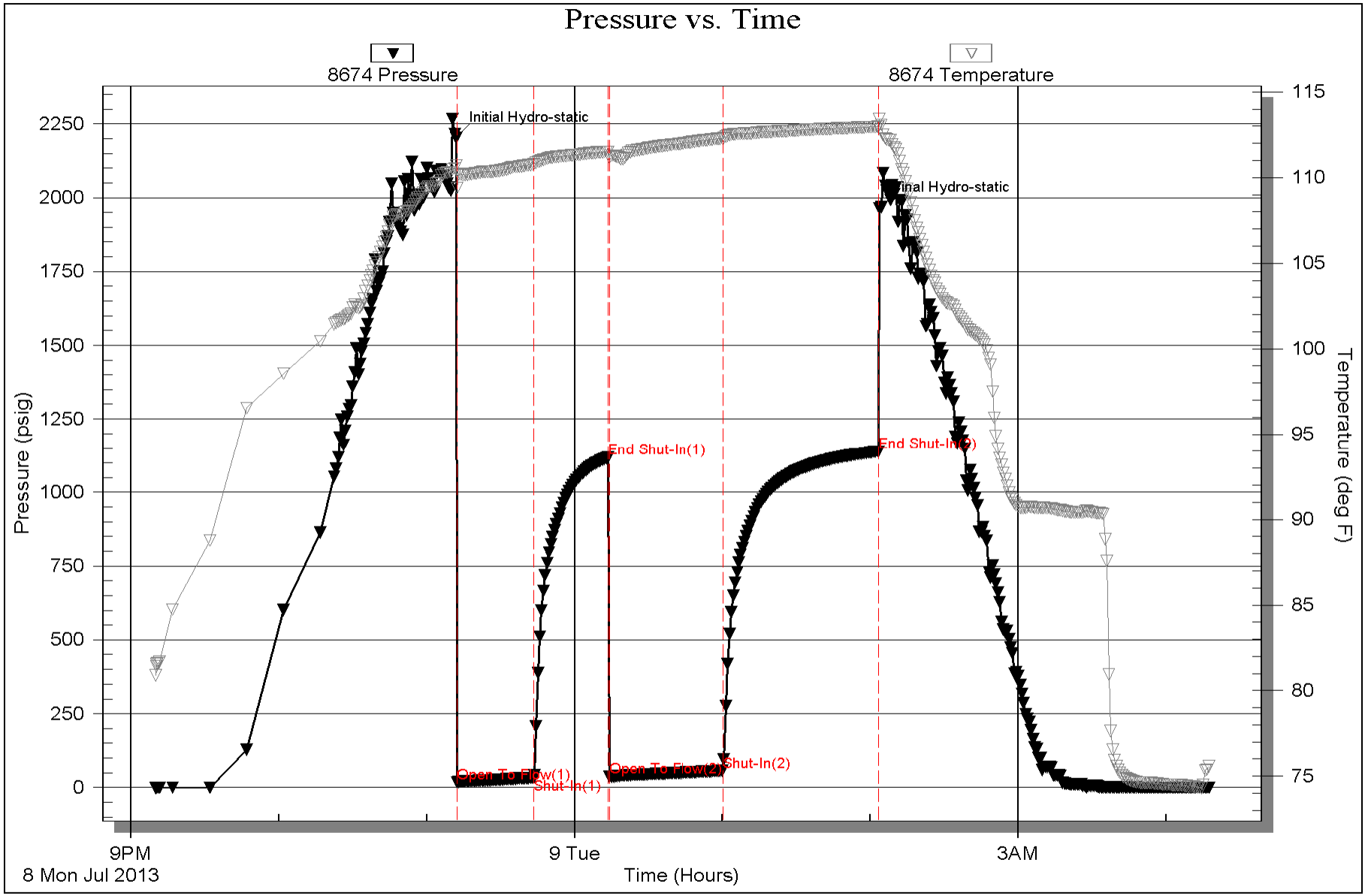
Total Length: 70.00 ft Total Volume: 0.344 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: RW is .288 @ 76f = 22000

Serial #: 8674 **Inside** Shakespeare Oil Co. Inc Janzen # 1-34 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 49079 Printed: 2013.07.09 @ 04:49:04

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc

202 W. Main St.
Salem IL 62881

ATTN: Steve Davis

34-16s-34w Scott Co. KS

Janzen # 1-34

Job Ticket: 49080 **DST#: 2**

Test Start: 2013.07.10 @ 01:48:00

GENERAL INFORMATION:

Formation: **Marmaton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:05:25
Time Test Ended: 09:51:54

Test Type: Conventional Bottom Hole (Reset)
Tester: Will MacLean
Unit No: 58

Interval: 4466.00 ft (KB) To 4488.00 ft (KB) (TVD)
Total Depth: 4488.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

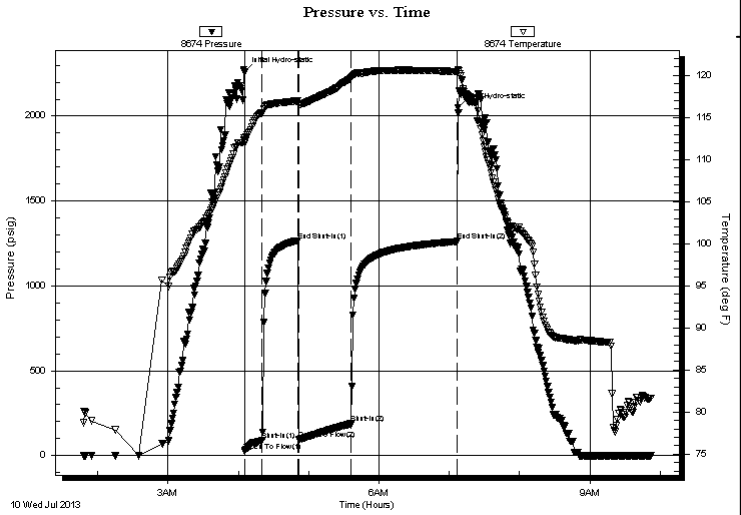
Reference Elevations: 3126.00 ft (KB)
3119.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8674 **Inside**

Press@RunDepth: 188.37 psig @ 4468.00 ft (KB)
Start Date: 2013.07.10 End Date: 2013.07.10
Start Time: 01:48:00 End Time: 09:51:54

Capacity: 8000.00 psig
Last Calib.: 2013.07.10
Time On Btm: 2013.07.10 @ 04:05:10
Time Off Btm: 2013.07.10 @ 07:07:24

TEST COMMENT: IF- Surface Blow Built to BOB in 12 1/2 min
ISI- Weak Surface Blow in 18 min
FF- Surface Blow Built to BOB in 12 min
FSI- Weak Surface Blow in 10 min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2260.76	112.54	Initial Hydro-static
1	25.70	111.91	Open To Flow (1)
15	89.09	115.53	Shut-In(1)
46	1266.26	116.96	End Shut-In(1)
47	96.40	116.58	Open To Flow (2)
91	188.37	119.67	Shut-In(2)
182	1261.96	120.44	End Shut-In(2)
183	2050.33	120.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	GOCM 17%g 38%oil 45%m	0.59
62.00	GMCO 10%g 30%m 60%oil	0.62
124.00	MCGO 22%m 30%g 48%oil	1.74
124.00	MCGO 18%m 24%g 58%oil	1.74
77.00	GO 6%g 94%oil	1.08
0.00	543' of GIP	0.00

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co. Inc

202 W. Main St.
Salem IL 62881

ATTN: Steve Davis

34-16s-34w Scott Co. KS

Janzen # 1-34

Job Ticket: 49080 **DST#: 2**

Test Start: 2013.07.10 @ 01:48:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	26 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	47.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	10.35 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	7500.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	GOCM 17%g 38%oil 45%m	0.590
62.00	GMCO 10%g 30%m 60%oil	0.624
124.00	MCGO 22%m 30%g 48%oil	1.739
124.00	MCGO 18%m 24%g 58%oil	1.739
77.00	GO 6%g 94%oil	1.080
0.00	543' of GIP	0.000

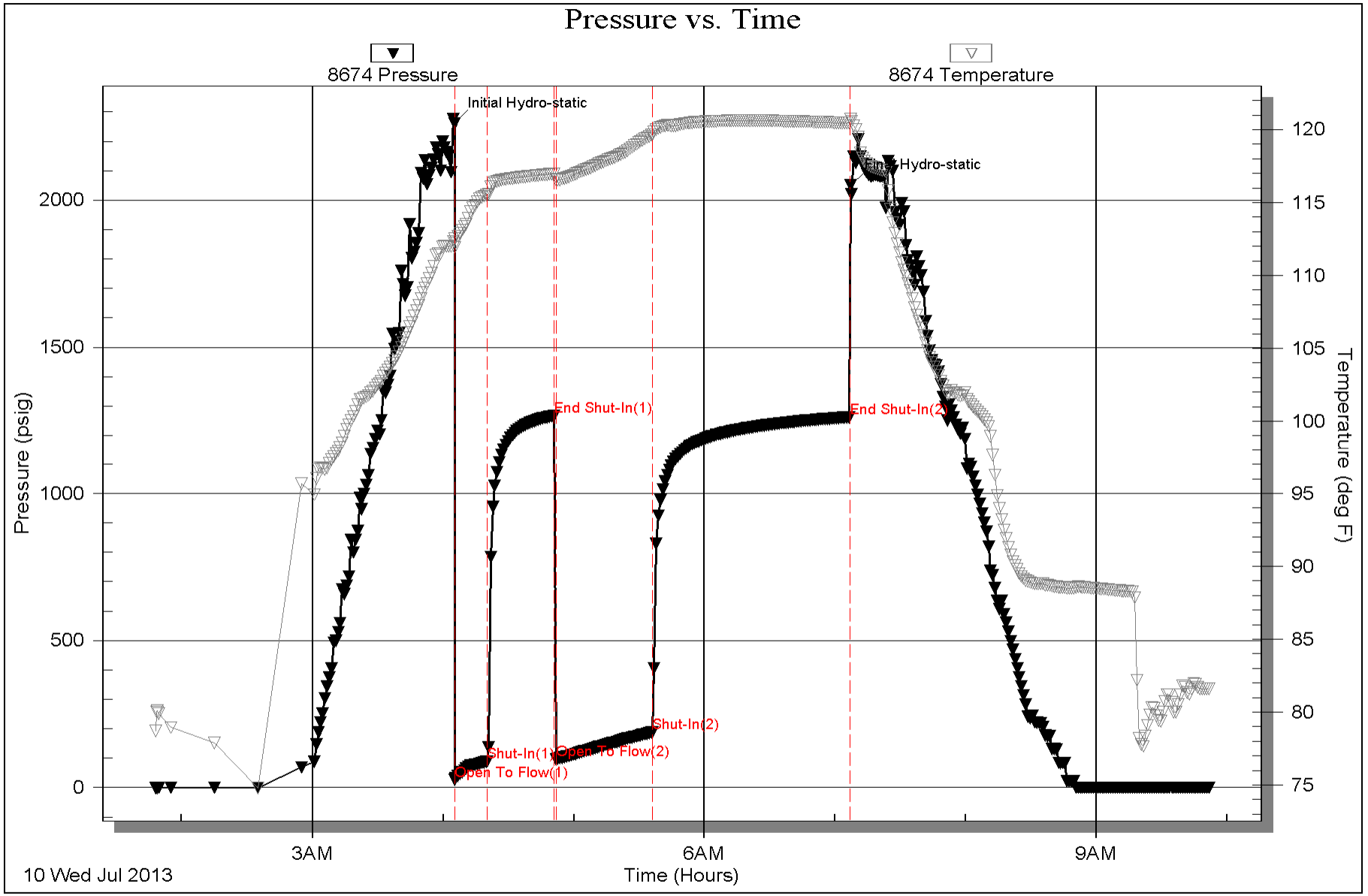
Total Length: 507.00 ft Total Volume: 5.772 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: API is 28 @ 80f = 26

Serial #: 8674 **Inside** Shakespeare Oil Co. Inc Janzen # 1-34 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 49080 Printed: 2013.07.10 @ 10:33:35

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc

202 W. Main St.
Salem IL 62881

ATTN: Steve Davis

34-16s-34w Scott Co. KS

Janzen # 1-34

Job Ticket: 49081 **DST#: 3**

Test Start: 2013.07.10 @ 21:50:00

GENERAL INFORMATION:

Formation: **Marmaton " C "**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 23:44:10
Time Test Ended: 04:23:09

Test Type: Conventional Bottom Hole (Reset)
Tester: Will MacLean
Unit No: 58

Interval: 4494.00 ft (KB) To 4540.00 ft (KB) (TVD)
Total Depth: 4540.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

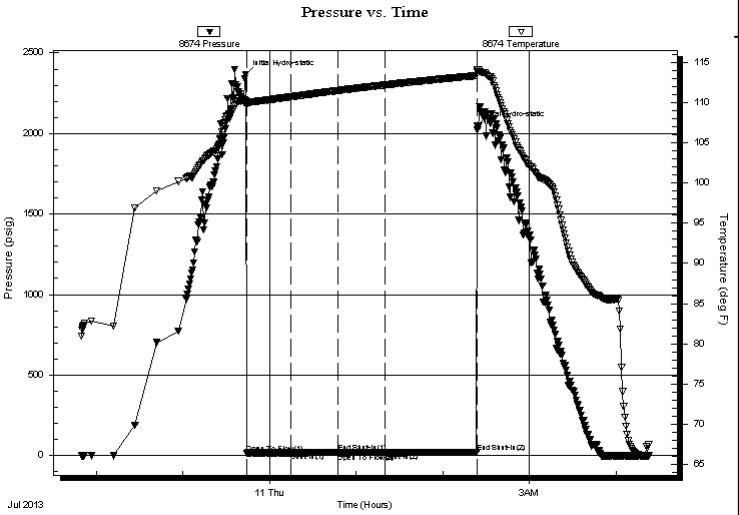
Reference Elevations: 3126.00 ft (KB)
3119.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8674 **Inside**

Press@RunDepth: 18.70 psig @ 4495.00 ft (KB)
Start Date: 2013.07.10 End Date: 2013.07.11
Start Time: 21:50:00 End Time: 04:23:09

Capacity: 8000.00 psig
Last Calib.: 2013.07.11
Time On Btm: 2013.07.10 @ 23:43:40
Time Off Btm: 2013.07.11 @ 02:23:54

TEST COMMENT: IF- Weak Surface Blow 1/2" Died Back to Very Weak Surface Blow
ISI- No Blow
FF- No Blow
FSI- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2367.27	110.24	Initial Hydro-static
1	16.34	109.64	Open To Flow (1)
31	17.98	110.71	Shut-In(1)
64	20.71	111.49	End Shut-In(1)
64	17.19	111.50	Open To Flow (2)
97	18.70	112.19	Shut-In(2)
160	21.99	113.36	End Shut-In(2)
161	2050.90	114.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	100%m with Oil Spots in Tool	0.00

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co. Inc

202 W. Main St.
Salem IL 62881

ATTN: Steve Davis

34-16s-34w Scott Co. KS

Janzen # 1-34

Job Ticket: 49081 **DST#: 3**

Test Start: 2013.07.10 @ 21:50:00

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:	58.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.76 in³	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
1.00	100%m with Oil Spots in Tool	0.005

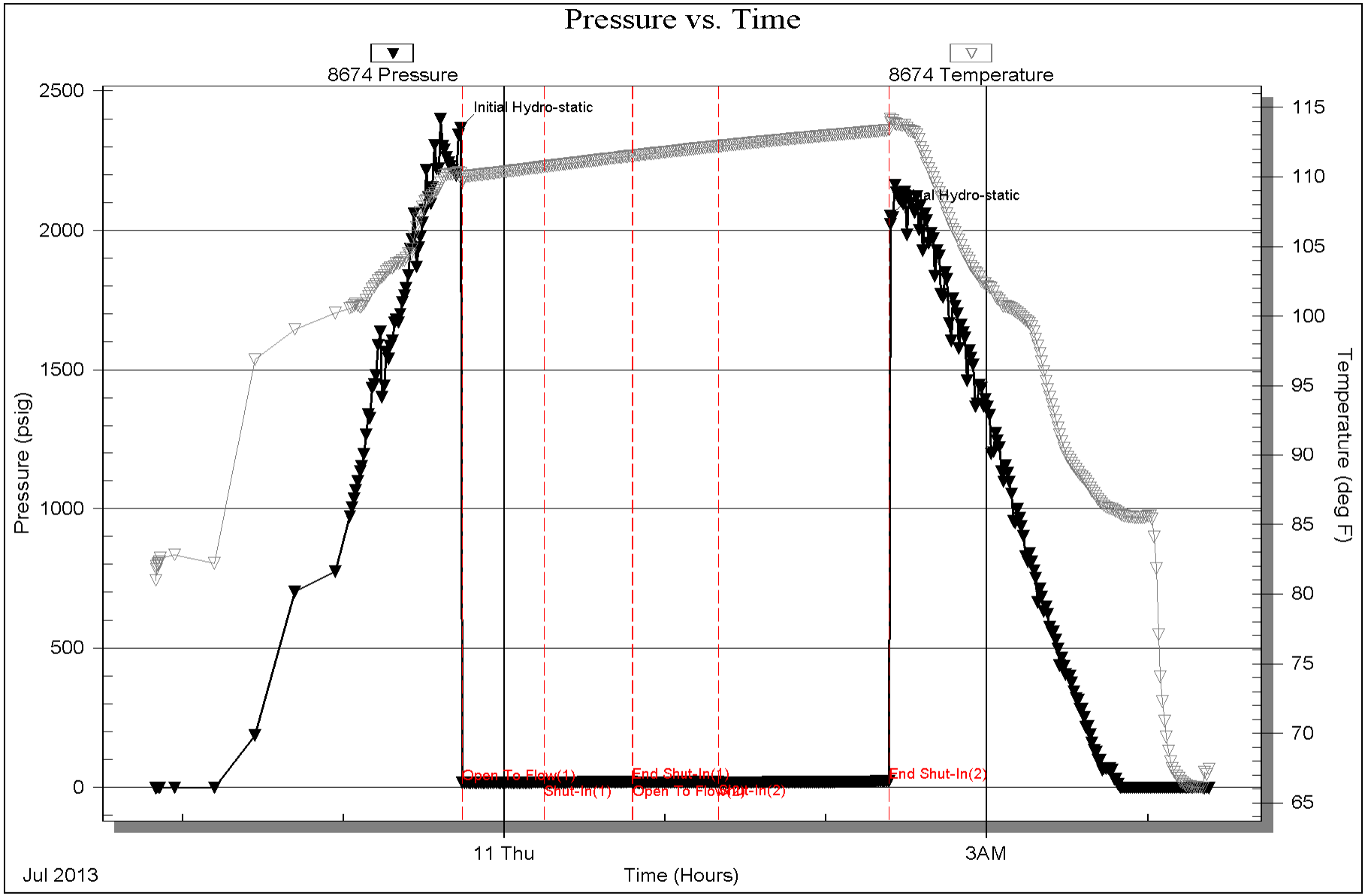
Total Length: 1.00 ft Total Volume: 0.005 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 8674 **Inside** Shakespeare Oil Co. Inc Janzen # 1-34 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 49081 Printed: 2013.07.11 @ 08:26:53

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc

202 W. Main St.
Salem IL 62881

ATTN: Steve Davis

34-16s-34w Scott Co. KS

Janzen # 1-34

Job Ticket: 49082 **DST#: 4**

Test Start: 2013.07.11 @ 18:48:00

GENERAL INFORMATION:

Formation: **Pawnee - Myric- Ft**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:46:25
Time Test Ended: 02:22:54

Test Type: Conventional Bottom Hole (Reset)
Tester: Will MacLean
Unit No: 58

Interval: 4525.00 ft (KB) To 4625.00 ft (KB) (TVD)
Total Depth: 4625.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

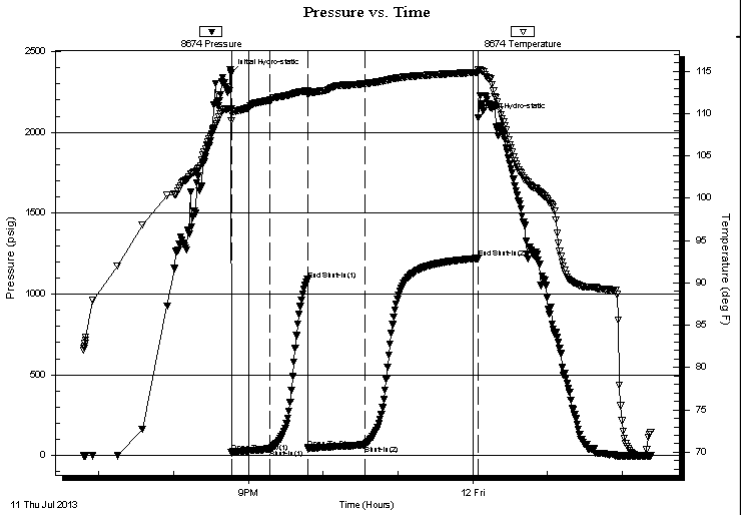
Reference Elevations: 3126.00 ft (KB)
3119.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8674 **Inside**

Press@RunDepth: 65.36 psig @ 4527.00 ft (KB)
Start Date: 2013.07.11 End Date: 2013.07.12
Start Time: 18:48:00 End Time: 02:22:54

Capacity: 8000.00 psig
Last Calib.: 2013.07.12
Time On Btm: 2013.07.11 @ 20:46:10
Time Off Btm: 2013.07.12 @ 00:04:39

TEST COMMENT: IF- Weak Surface Blow Built to 3 1/2"
ISI- No Blow
FF- Weak Surface Blow Built to 4 3/4"
FSI- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2366.84	110.61	Initial Hydro-static
1	17.71	109.18	Open To Flow (1)
31	39.97	111.56	Shut-In(1)
62	1089.25	112.70	End Shut-In(1)
62	42.78	112.39	Open To Flow (2)
107	65.36	113.53	Shut-In(2)
198	1221.06	114.87	End Shut-In(2)
199	2090.33	115.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	OGCM 2%oil 21%g 77%m	0.30
58.00	OGCM 4%oil 12%g 84%m	0.29
0.00	188' of GIP	0.00

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co. Inc

202 W. Main St.
Salem IL 62881

ATTN: Steve Davis

34-16s-34w Scott Co. KS

Janzen # 1-34

Job Ticket: 49082 **DST#: 4**

Test Start: 2013.07.11 @ 18:48:00

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:	52.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.56 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	7400.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

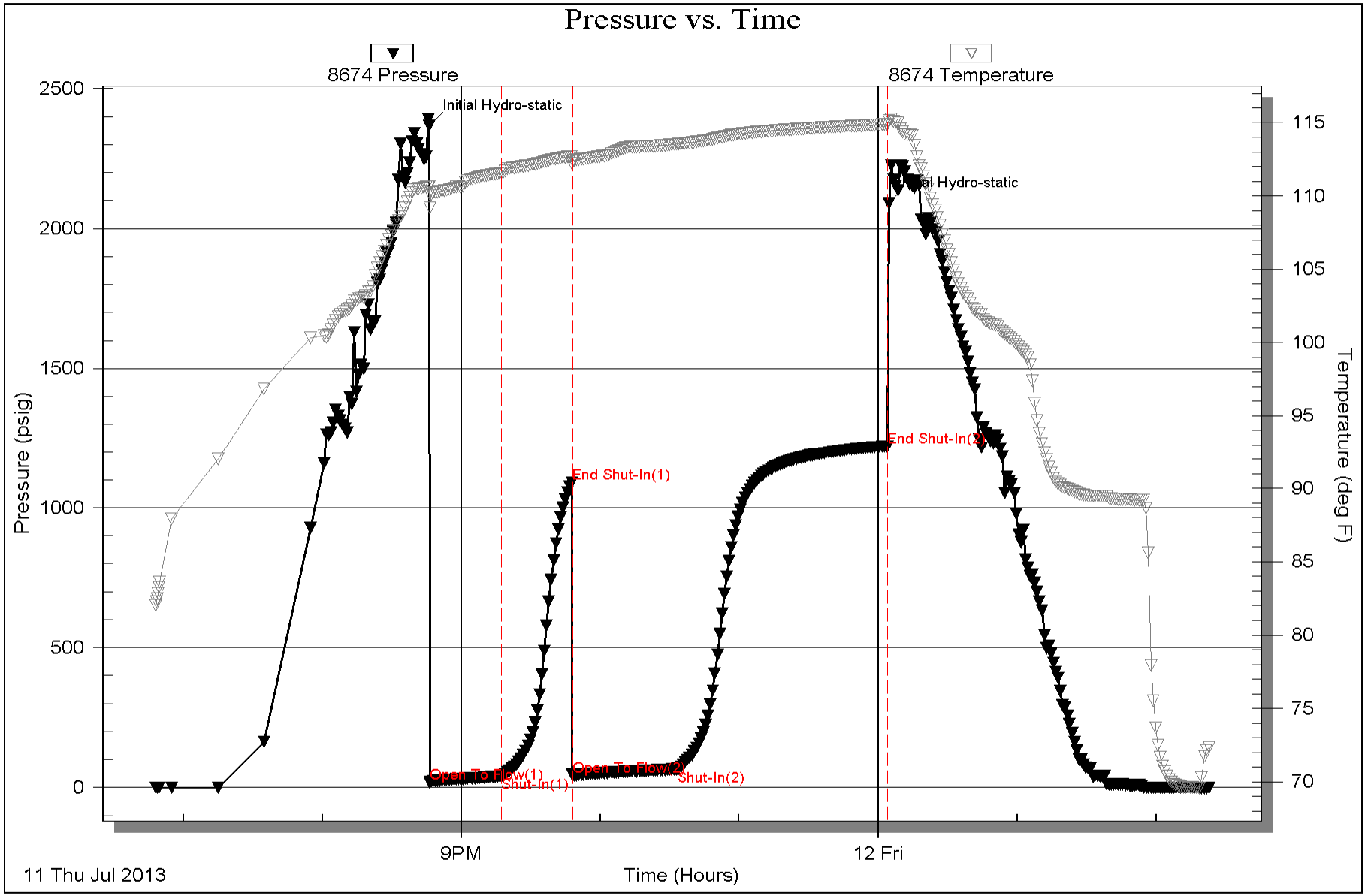
Recovery Table

Length ft	Description	Volume bbl
60.00	OGCM 2%oil 21%g 77%m	0.295
58.00	OGCM 4%oil 12%g 84%m	0.285
0.00	188' of GIP	0.000

Total Length: 118.00 ft Total Volume: 0.580 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8674 **Inside** Shakespeare Oil Co. Inc Janzen # 1-34 DST Test Number: 4



Trilobite Testing, Inc Ref. No: 49082 Printed: 2013.07.12 @ 03:46:32

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc

202 W. Main St.
Salem IL 62881

ATTN: Steve Davis

34-16s-34w Scott Co. KS

Janzen # 1-34

Job Ticket: 49083 **DST#: 5**

Test Start: 2013.07.12 @ 17:48:00

GENERAL INFORMATION:

Formation: **Johnson**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:47:25
Time Test Ended: 23:55:39

Test Type: Conventional Bottom Hole (Reset)
Tester: Will MacLean
Unit No: 58

Interval: 4631.00 ft (KB) To 4700.00 ft (KB) (TVD)
Total Depth: 4700.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

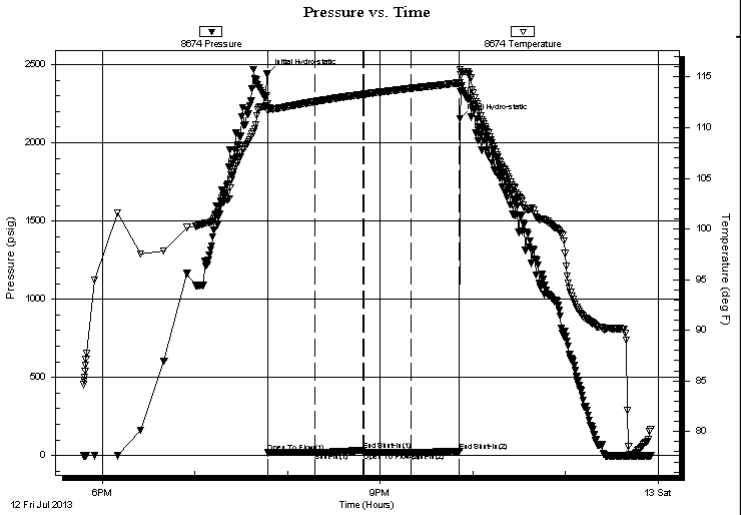
Reference Elevations: 3126.00 ft (KB)
3119.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8674 **Inside**

Press@RunDepth: 20.17 psig @ 4633.00 ft (KB)
Start Date: 2013.07.12 End Date: 2013.07.12
Start Time: 17:48:00 End Time: 23:55:39

Capacity: 8000.00 psig
Last Calib.: 2013.07.13
Time On Btm: 2013.07.12 @ 19:47:10
Time Off Btm: 2013.07.12 @ 21:51:40

TEST COMMENT: IF- Weak Surface Blow Died in 18min
ISI- No Blow
FF- No Blow
FSI- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2441.12	112.39	Initial Hydro-static
1	18.30	111.68	Open To Flow (1)
31	20.05	112.58	Shut-In(1)
62	34.82	113.29	End Shut-In(1)
63	19.13	113.29	Open To Flow (2)
93	20.17	113.88	Shut-In(2)
125	29.01	114.42	End Shut-In(2)
125	2156.00	115.75	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	100%mud with Skim of Oil on Top	0.02

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co. Inc

202 W. Main St.
Salem IL 62881

ATTN: Steve Davis

34-16s-34w Scott Co. KS

Janzen # 1-34

Job Ticket: 49083 **DST#: 5**

Test Start: 2013.07.12 @ 17:48:00

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:	50.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	10.79 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	11000.00 ppm				
Filter Cake:	2.00 inches				

Recovery Information

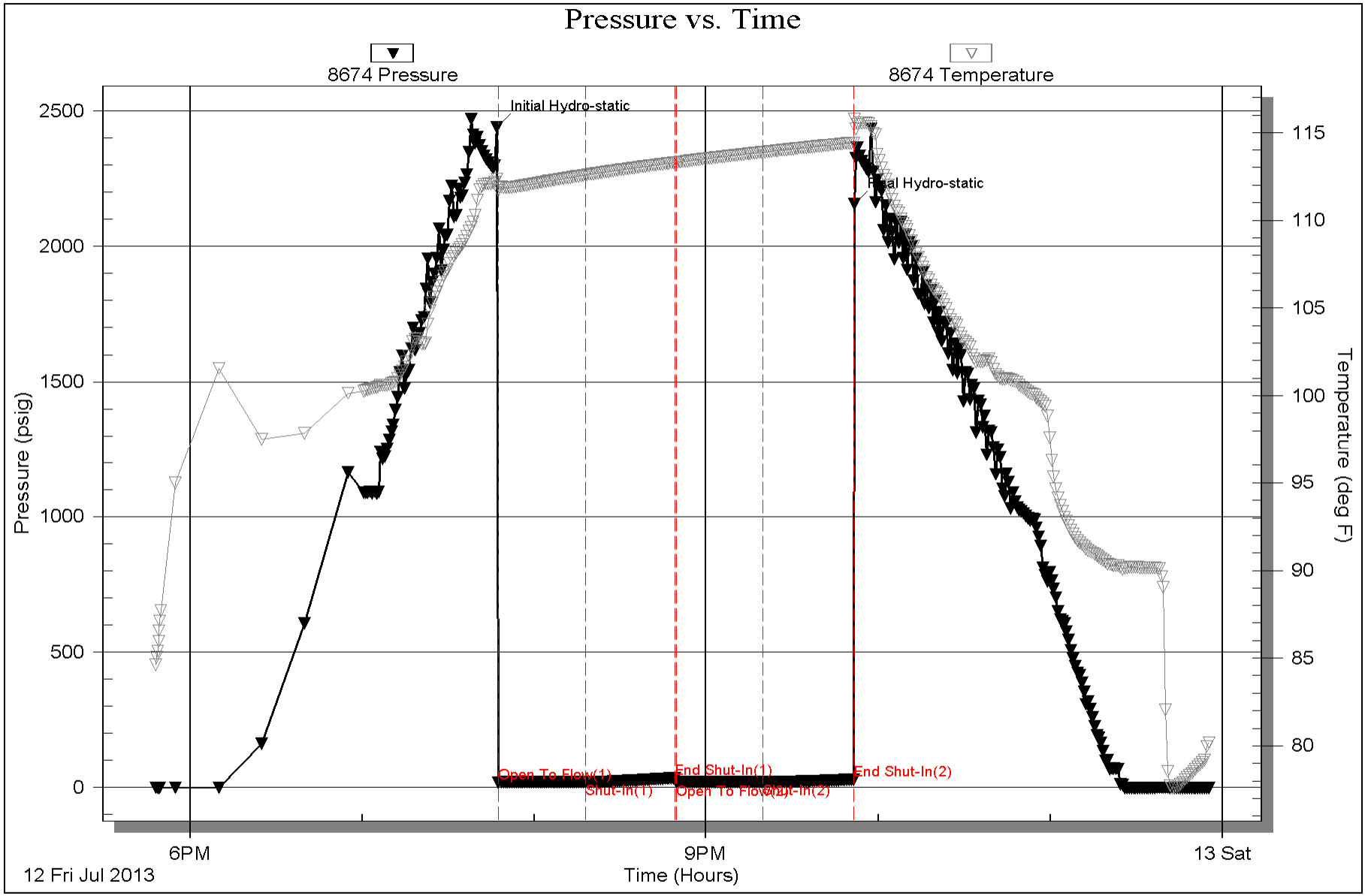
Recovery Table

Length ft	Description	Volume bbl
5.00	100%mud with Skim of Oil on Top	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8674 **Inside** Shakespeare Oil Co. Inc Janzen # 1-34 DST Test Number: 5



Trilobite Testing, Inc Ref. No: 49083 Printed: 2013.07.13 @ 06:34:48

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

Kansas
Corporation Commission

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

August 27, 2013

Don Williams
Shakespeare Oil Co., Inc.
202 W MAIN ST
SALEM, IL 62881-1519

Re: ACO1
API 15-171-20956-00-00
Janzen 1-34
NE/4 Sec.34-16S-34W
Scott 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,
Don Williams