



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1216497  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
August 2013

Form must be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

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

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

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

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic       Other (Core, Expl., etc.): \_\_\_\_\_

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

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx)      (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

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

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

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

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

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

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

*(Data must be collected from the Reserve Pit)*

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

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

1216497

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

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

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

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

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

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

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

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

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

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Campbell 4-17
Doc ID	1216497

All Electric Logs Run

Array Induction
Photo Density
Comp Neutron
Microlog

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Campbell 4-17
Doc ID	1216497

Tops

Name	Top	Datum
Base Anhydrite	2536	+507
Heebner	3968	-925
Lansing	4012	-969
Muncie Creek	4158	-1115
Stark Shale	4252	-1209
Pawnee	4448	-1405
Cherokee Shale	4532	-1489
Johnson	4578	-1535
Mississippian	4643	-1600

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Campbell 4-17
Doc ID	1216497

#### Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	Johnson	250 gal 15% RWR	4591-99
4	Cherokee	250 gal 15% RWR	4551-54
4	Myric Station	500 gal 15% RWR	4490-96
4	Marmaton "C"	250 gal 15% RWR	4421-23
4	LKC "K"		4264-67
		CIBP	4250
4	LKC "I"	250 gal 15% RWR	4212-16
4	LKC "H"	250 gal 15% RWR	4182-84
4	LKC "D"	250 gal 15% RWR	4085-88
4	LKC "B"	Squeeze	4045-50
4	LKC "A"	250 gal 15% RWR	4032-34
4	Toronto	250 gal 15% RWR	3991-95



**GEOLOGIST'S REPORT**  
 DRILLING TIME AND SAMPLE LOG

COMPANY **SHAKESPARE OIL CO.** EL ELEVATIONS  
 LEASE **Campebel 417** KG 3043'  
 FIELD **Whitetail** DF \_\_\_\_\_  
 LOCATION **8501 FMS, 2000' FEEL** GL 3033'  
 SEC **17 T15SP 13S R0E 32W**  
 COUNTY **Logan** STATE **Kansas** Measurements Are All From **KB**  
 CONTRACTOR **HD Drilling Rig #2**  
 SPUD **5-28-14** COMP **6-11-14**  
 RTD **4720'** LTD **4716'** CASING CONDUCTION **N/A**  
 MUD UP **3500'** TYPE MUD **Chemical** SURFACE **8-5/8" @ 265'**  
 SAMPLES SAVED FROM **3800'** to RTD PRODUCTION **5 1/2" @ 4720'**  
 DRILLING TIME KEPT FROM **3800'** to RTD  
 SAMPLES EXAMINED FROM **3800'** to RTD  
 GEOLOGICAL SUPERVISION FROM **3900'** to RTD  
 GEOLOGIST ON WELL **Tim Priest** By: **Weatherford**

FORMATION TOPS

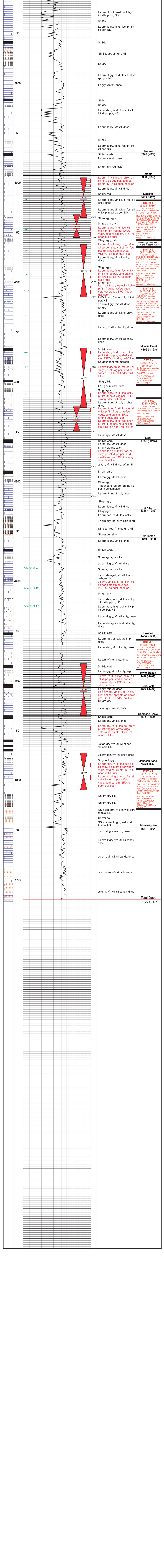
FORMATION TOPS	ELECTRIC LOG	SAMPLE
Anhydrite	2515 (-4528)	2507 (-4536)
Heebner Shale	3967 (-3224)	3970 (-3277)
Toronto Limestone	3991 (-3448)	3993 (-3500)
Lansing Shale	4013 (-3710)	4013 (-3710)
B/K.C.	4252 (-1209)	4258 (-1215)
Fort Scott	4320 (-1175)	4328 (-1285)
Cherokee Shale	4533 (-1490)	4535 (-1492)
Mississippian	4644 (-1601)	4647 (-1604)

REMARKS Due to the results of DST's, it was decided to set production casing to further test the well.

Respectfully Submitted,

**API #15-109-21293-00-00**

**Tim Priest**  
 Petroleum Geologist





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc

**17-13-32 Logan Co KS**

202 W. Main St.  
Salem Il  
62881  
ATTN: Tim Priest

**Campbell 4 17**

Job Ticket: 57661

**DST#: 1**

Test Start: 2014.06.04 @ 04:13:15

## GENERAL INFORMATION:

Formation: **Toronto Lansing A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:26:00

Time Test Ended: 15:33:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Mike Roberts

Unit No: 65

**Interval: 3995.00 ft (KB) To 4035.00 ft (KB) (TVD)**

Reference Elevations: 3043.00 ft (KB)

Total Depth: 4035.00 ft (KB) (TVD)

3033.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

**Serial #: 8737 Outside**

Press@RunDepth: 260.86 psig @ 3997.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.06.04

End Date:

2014.06.04

Last Calib.:

2014.06.04

Start Time:

04:13:15

End Time:

15:33:30

Time On Btm:

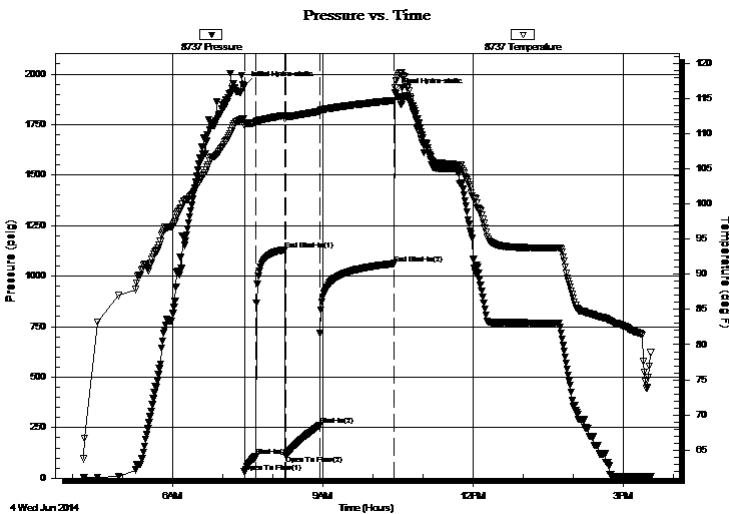
2014.06.04 @ 07:25:45

Time Off Btm:

2014.06.04 @ 10:26:45

**TEST COMMENT:** IF:BOB in 11 min.  
IS:Weak Surface blow died in 15 min.  
FF:BOB in 14 min.  
FS:No retrurn blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1944.04	112.15	Initial Hydro-static
1	30.37	111.18	Open To Flow (1)
14	107.49	111.54	Shut-In(1)
49	1130.95	112.58	End Shut-In(1)
50	114.50	112.06	Open To Flow (2)
91	260.86	113.13	Shut-In(2)
180	1062.43	114.70	End Shut-In(2)
181	1908.51	116.49	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
118.00	sw 100% sw	0.58
248.00	m cw 10% m 90% sw	3.48
62.00	o c m w 5% o 20% M 75% W	0.87
124.00	g c o 10% g 90% o	1.74
124.00	g c o 20% g 80% o	1.74

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespeare Oil Co. Inc

**17-13-32 Logan Co KS**

202 W. Main St.  
Salem II  
62881

**Campbell 4 17**

Job Ticket: 57661

**DST#: 1**

ATTN: Tim Priest

Test Start: 2014.06.04 @ 04:13:15

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

25 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

17000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbf
118.00	sw 100% sw	0.580
248.00	mcw 10%m 90% sw	3.479
62.00	ocmw 5% o 20% M 75%W	0.870
124.00	gco 10%g 90%o	1.739
124.00	gco 20%g 80%o	1.739

Total Length: 676.00 ft      Total Volume: 8.407 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

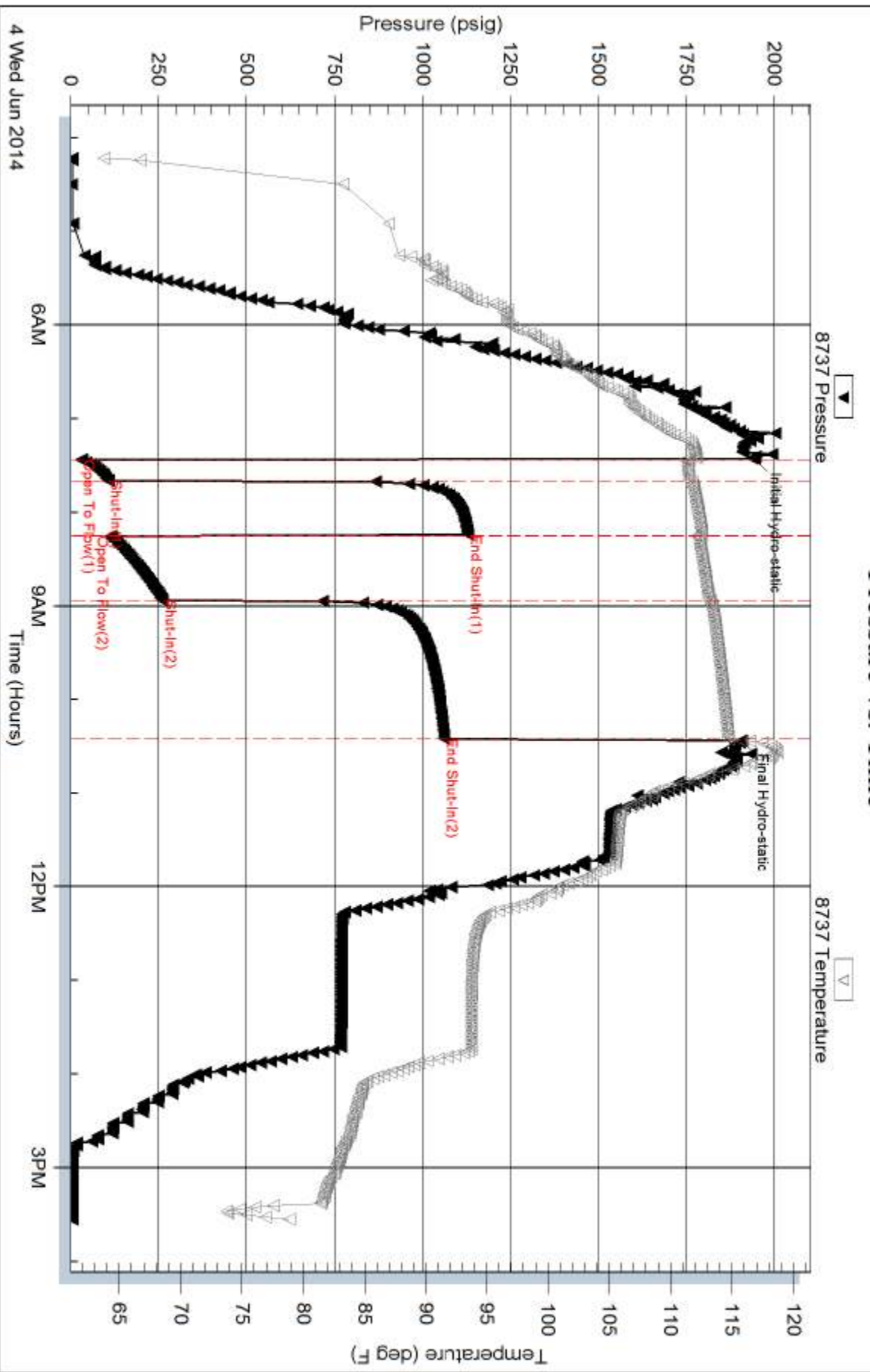
Laboratory Name:

Laboratory Location:

Recovery Comments: API 22 @ 90 corrected to 25

RW = .361 @ 81\* = 17,000 ppm

### Pressure vs. Time





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc

**17-13-32 Logan,KS**

202 W. Main St.  
Salem IL 62881

**Campbell #4 17**

Job Ticket: 57662

**DST#: 2**

ATTN: Tim Priest

Test Start: 2014.06.05 @ 03:41:15

## GENERAL INFORMATION:

Formation: **B**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 07:35:15  
 Time Test Ended: 14:54:30  
 Interval: **4032.00 ft (KB) To 4055.00 ft (KB) (TVD)**  
 Total Depth: 4055.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Mike Roberts  
 Unit No: 65  
 Reference Elevations: 3043.00 ft (KB)  
 3033.00 ft (CF)  
 KB to GR/CF: 10.00 ft

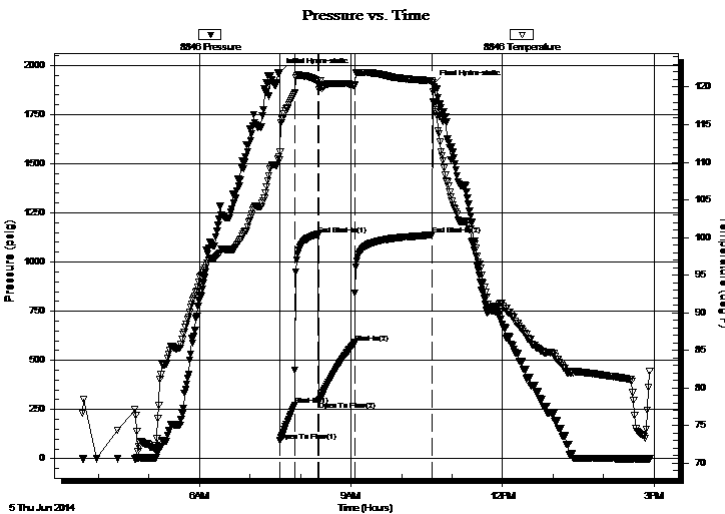
## Serial #: 8846

Inside

Press@RunDepth: 590.57 psig @ 4050.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.06.05 End Date: 2014.06.05 Last Calib.: 2014.06.05  
 Start Time: 03:41:15 End Time: 14:54:30 Time On Btm: 2014.06.05 @ 07:35:00  
 Time Off Btm: 2014.06.05 @ 10:37:30

TEST COMMENT: IF:BOB in 2 min.  
 IS:Return blow built to BOB in 20 min.  
 FF:BOB in 2 min.  
 FS:Return blow built to 1"

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1964.81	110.72	Initial Hydro-static
1	91.02	110.39	Open To Flow (1)
18	272.26	119.13	Shut-In(1)
46	1140.69	120.81	End Shut-In(1)
47	291.26	120.25	Open To Flow (2)
90	590.57	120.19	Shut-In(2)
182	1137.15	120.82	End Shut-In(2)
183	1902.07	119.41	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
180.00	w cm 5%w 95%w	1.45
124.00	gcmow 5%g 5%m 15%o 75%w	1.74
1364.00	gco 20%g 80%o	19.13
0.00	GIP = 558 ft	0.00

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Shakespeare Oil Co. Inc

**17-13-32 Logan,KS**

202 W. Main St.  
Salem IL 62881

**Campbell #4 17**

Job Ticket: 57662

**DST#: 2**

ATTN: Tim Priest

Test Start: 2014.06.05 @ 03:41:15

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

18000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
180.00	w cm 5%w 95%m	1.450
124.00	gcmow 5%g 5%m 15%o 75%w	1.739
1364.00	gco 20%g 80%o	19.133
0.00	GIP = 558 ft	0.000

Total Length: 1668.00 ft      Total Volume: 22.322 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

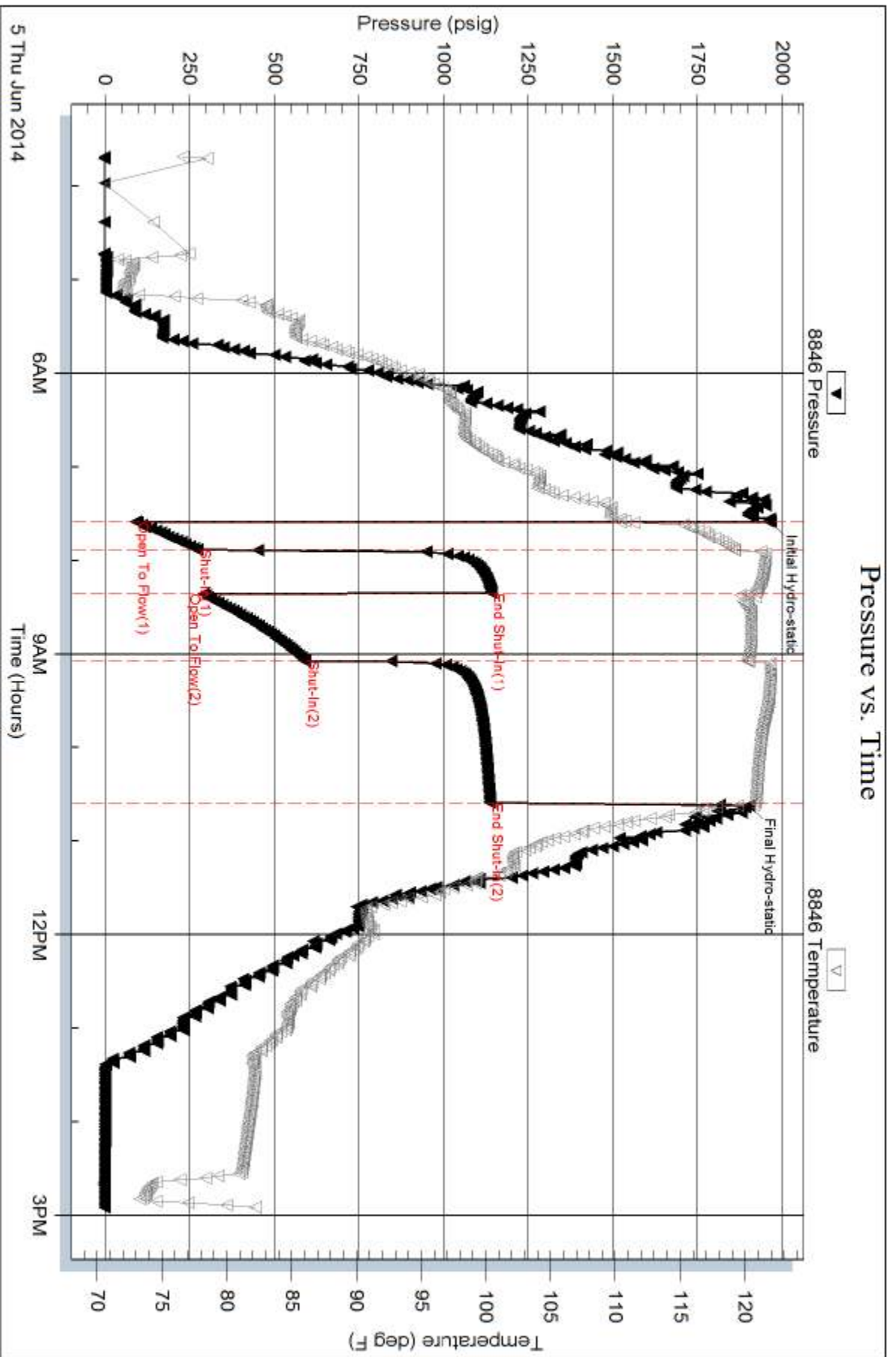
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW=.309 @ 92.1\* = 18,000 ppm

API 35 @ 80 corrected to 37 @ 60





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc

**17-13-32 Logan Co KS**

202 W. Main St.  
Salem II 62881

**Campbell 4 17**

Job Ticket: 57663

**DST#: 3**

ATTN: Tim Priest

Test Start: 2014.06.06 @ 03:33:15

## GENERAL INFORMATION:

Formation: **C-D-E-F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:54:00

Time Test Ended: 12:24:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

**Interval: 4062.00 ft (KB) To 4115.00 ft (KB) (TVD)**

Reference Elevations: 3043.00 ft (KB)

Total Depth: 4115.00 ft (KB) (TVD)

3033.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

**Serial #: 8846**

**Inside**

Press@RunDepth: 199.12 psig @ 4065.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.06.06

End Date:

2014.06.06

Last Calib.:

2014.06.06

Start Time: 03:33:15

End Time:

12:24:00

Time On Btm:

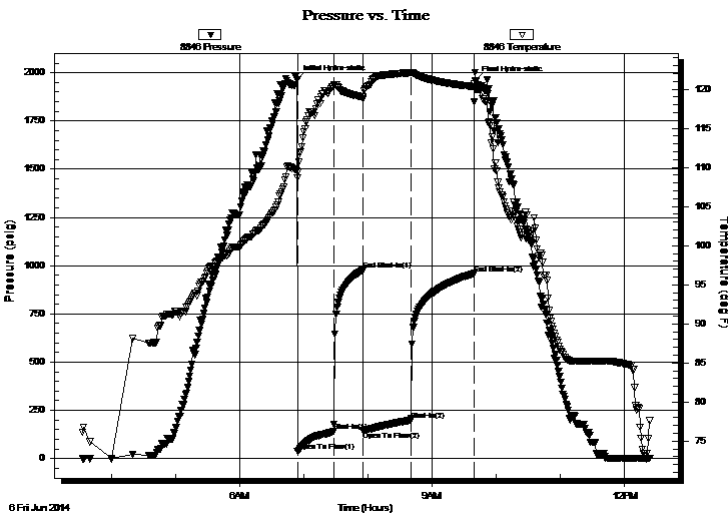
2014.06.06 @ 06:53:45

Time Off Btm:

2014.06.06 @ 09:40:30

**TEST COMMENT:** IF:BOB in 20 min  
IS:No return blow  
FF:BOB in 28 min  
FS:No return blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1963.90	109.59	Initial Hydro-static
1	37.73	108.67	Open To Flow (1)
35	140.39	120.50	Shut-In(1)
62	977.94	118.97	End Shut-In(1)
62	143.75	118.73	Open To Flow (2)
107	199.12	122.11	Shut-In(2)
166	959.50	120.30	End Shut-In(2)
167	1959.70	119.98	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
180.00	mcw 10%m 90%w	0.89
62.00	mcw 40%m 60%w	0.87
124.00	w cm 20%w 80%m	1.74
18.00	ocm 4%o 96%m	0.25
2.00	free oil 100% o	0.03

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespeare Oil Co. Inc

**17-13-32 Logan Co KS**

202 W. Main St.  
Salem IL 62881

**Campbell 4 17**

Job Ticket: 57663

**DST#: 3**

ATTN: Tim Priest

Test Start: 2014.06.06 @ 03:33:15

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

18000 ppm

Viscosity: 41.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.58 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	mcw 10%m 90%w	0.885
62.00	mcw 40%m 60%w	0.870
124.00	w cm 20%w 80%m	1.739
18.00	ocm 4%o 96%m	0.252
2.00	free oil 100% o	0.028

Total Length: 386.00 ft      Total Volume: 3.774 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

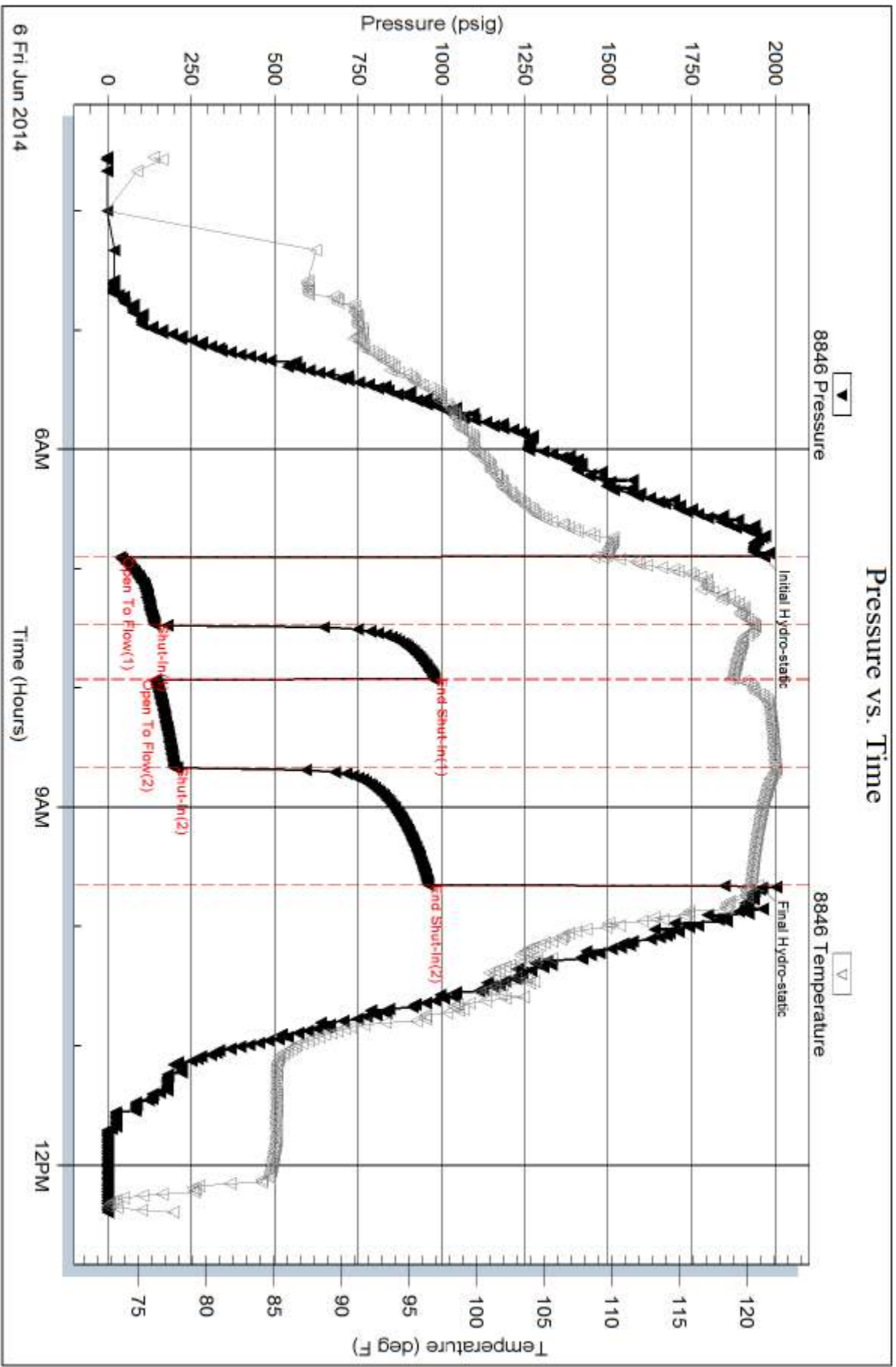
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API=37

RW= .348 @ 90.8\*=18,000 ppm







**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc

**17-13-32 Logan Co KS**

202 W. Main St.  
Salem II  
62881  
ATTN: Tim Priest

**Campbell 4 17**

Job Ticket: 57664

**DST#: 4**

Test Start: 2014.06.07 @ 04:58:15

## GENERAL INFORMATION:

Formation: **H-I**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 08:41:00  
 Tester: Mike Roberts  
 Time Test Ended: 12:56:30  
 Unit No: 65  
 Interval: **4165.00 ft (KB) To 4225.00 ft (KB) (TVD)**  
 Reference Elevations: 3043.00 ft (KB)  
 Total Depth: 4225.00 ft (KB) (TVD)  
 3033.00 ft (CF)  
 Hole Diameter: 7.88 inches  
 Hole Condition: Fair  
 KB to GR/CF: 10.00 ft

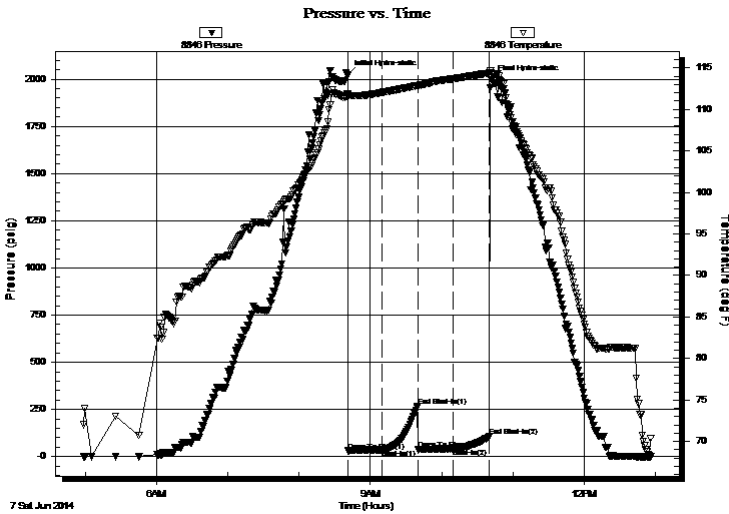
## Serial #: 8846

Inside

Press@RunDepth: 43.01 psig @ 4168.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.06.07 End Date: 2014.06.07 Last Calib.: 2014.06.07  
 Start Time: 04:58:15 End Time: 12:56:30 Time On Btm: 2014.06.07 @ 08:40:45  
 Time Off Btm: 2014.06.07 @ 10:41:45

TEST COMMENT: IF: Built to weak surface  
 IS: No return blow  
 FF: No blow  
 FS: No return blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2021.45	111.85	Initial Hydro-static
1	31.02	111.44	Open To Flow (1)
29	36.84	112.04	Shut-In(1)
59	267.95	112.90	End Shut-In(1)
60	38.96	112.80	Open To Flow (2)
90	43.01	113.69	Shut-In(2)
120	106.67	114.39	End Shut-In(2)
121	1996.57	114.41	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
2.00	free oil	0.01
10.00	mud 100%m	0.05

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespeare Oil Co. Inc

**17-13-32 Logan Co KS**

202 W. Main St.  
Salem II  
62881

**Campbell 4 17**

Job Ticket: 57664

**DST#: 4**

ATTN: Tim Priest

Test Start: 2014.06.07 @ 04:58:15

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 65.00 sec/qt

Cushion Volume:

dbl

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

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume dbl
2.00	free oil	0.010
10.00	mud 100%m	0.049

Total Length: 12.00 ft

Total Volume: 0.059 dbl

Num Fluid Samples: 0

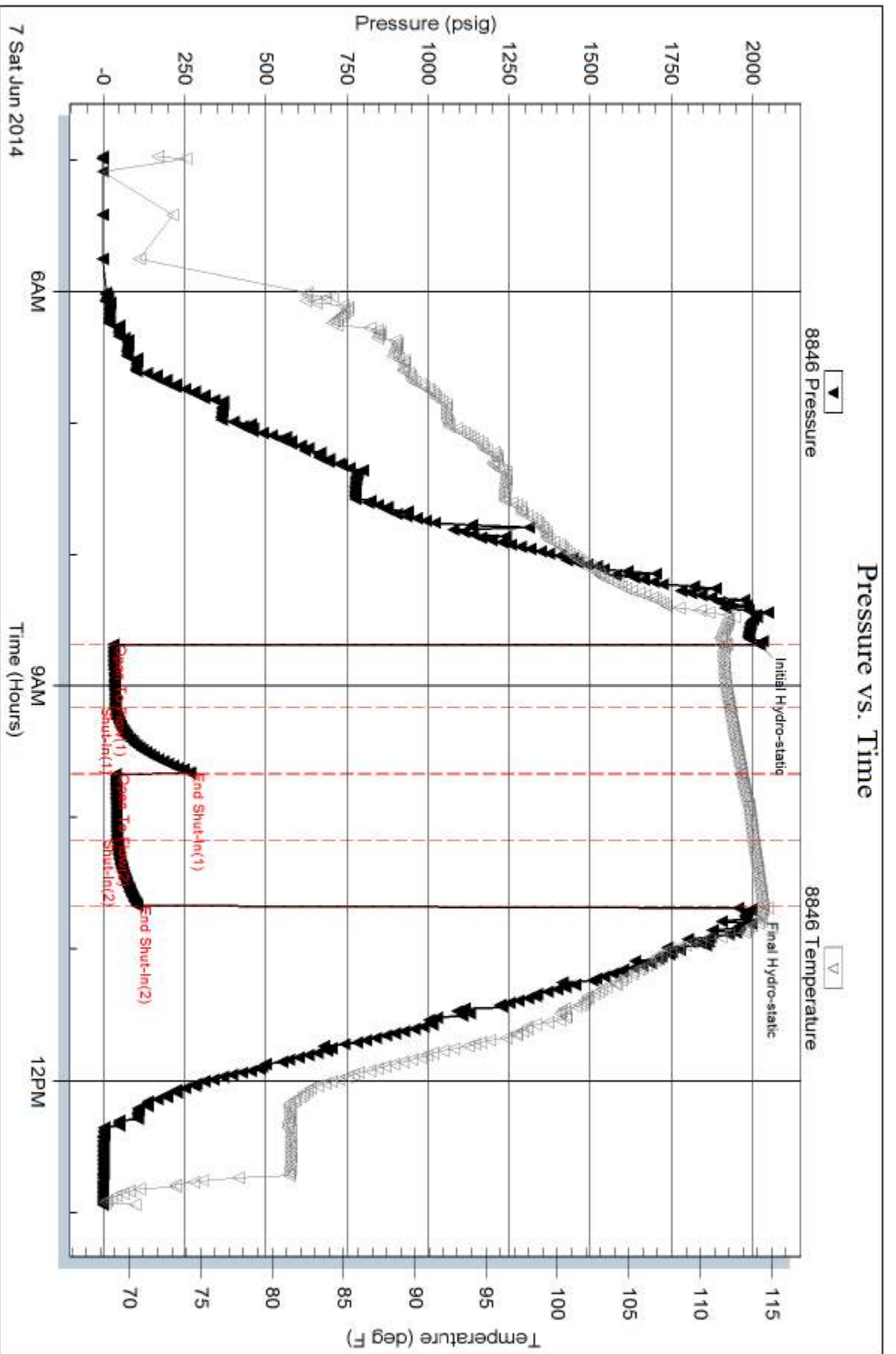
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API 36





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc  
 202 W. Main St.  
 Salem II  
 62881  
 ATTN: Tim Priest

**17-13-32 Logan Co KS**

**Campbell 4 17**

Job Ticket: 57665

**DST#: 5**

Test Start: 2014.06.07 @ 22:07:15

## GENERAL INFORMATION:

Formation: **I-J**  
 Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Bottom Hole (Reset)**  
 Time Tool Opened: **01:02:00** Tester: **Mike Roberts**  
 Time Test Ended: **05:31:15** Unit No: **65**  
**Interval: 4225.00 ft (KB) To 4250.00 ft (KB) (TVD)** Reference Elevations: **3043.00 ft (KB)**  
 Total Depth: **4035.00 ft (KB) (TVD)** **3033.00 ft (CF)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Fair** KB to GR/CF: **10.00 ft**

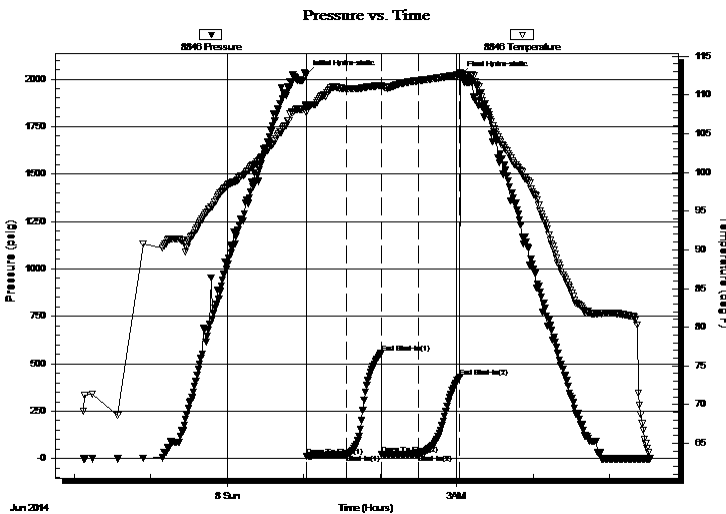
## Serial #: 8846

**Inside**

Press @ Run Depth: **25.65 psig @ 4245.00 ft (KB)** Capacity: **8000.00 psig**  
 Start Date: **2014.06.07** End Date: **2014.06.08** Last Calib.: **2014.06.08**  
 Start Time: **22:07:15** End Time: **05:31:15** Time On Btm: **2014.06.08 @ 01:01:45**  
 Time Off Btm: **2014.06.08 @ 03:03:00**

TEST COMMENT: IF: Built to weak surface blow  
 IS: No return blow  
 FF: Built to weak surface blow  
 FS: No return blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2024.68	108.68	Initial Hydro-static
1	13.12	107.71	Open To Flow (1)
32	21.39	110.81	Shut-In(1)
59	556.54	111.22	End Shut-In(1)
60	22.23	111.12	Open To Flow (2)
89	25.65	111.85	Shut-In(2)
121	430.76	112.62	End Shut-In(2)
122	2018.81	112.91	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
20.00	mud with oil spots	0.10

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespeare Oil Co. Inc

**17-13-32 Logan Co KS**

202 W. Main St.  
Salem II  
62881

**Campbell 4 17**

Job Ticket: 57665

**DST#: 5**

ATTN: Tim Priest

Test Start: 2014.06.07 @ 22:07:15

## 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:

0 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	mud w ith oil spots	0.098

Total Length: 20.00 ft      Total Volume: 0.098 bbl

Num Fluid Samples: 0

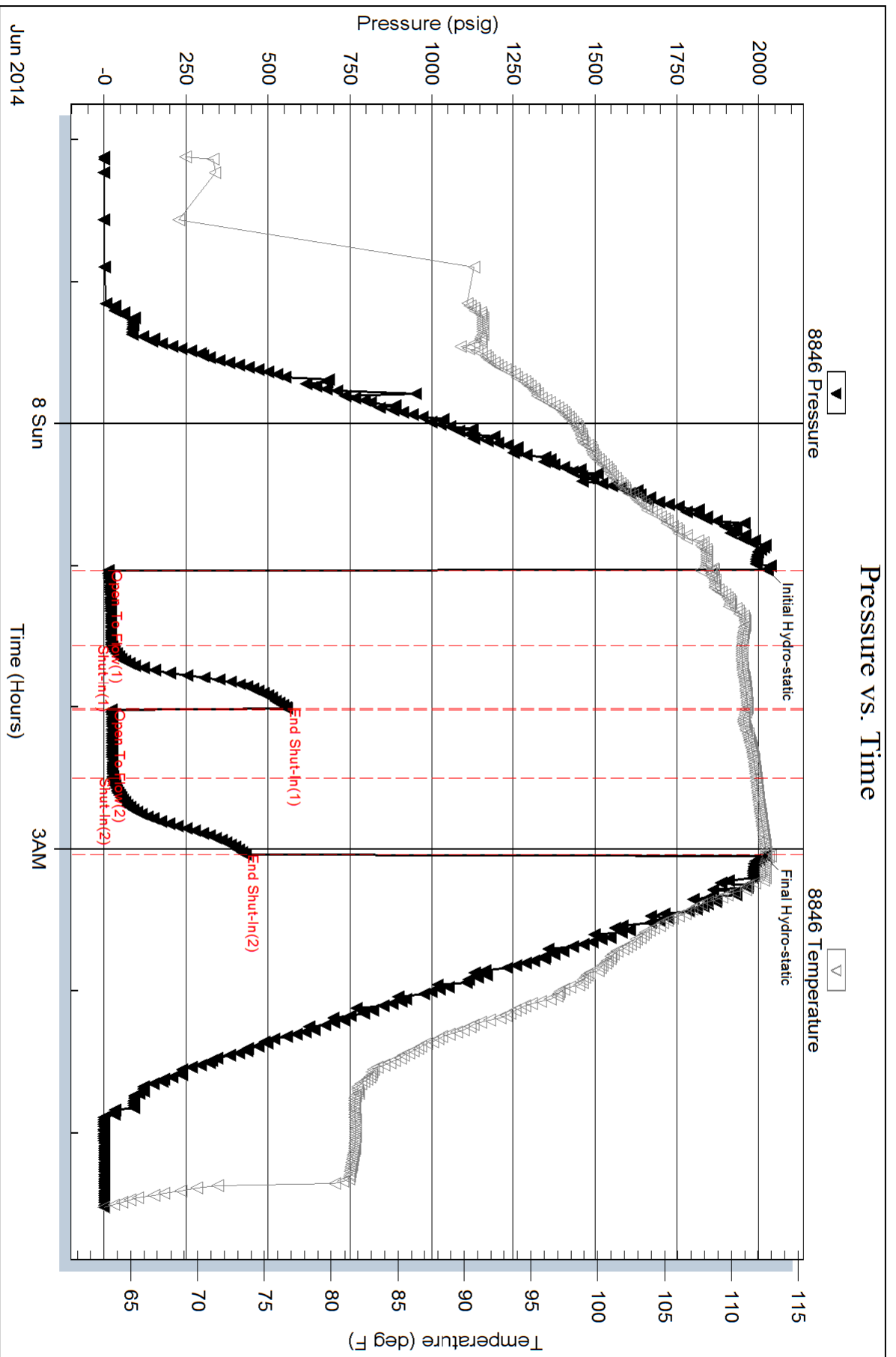
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc  
 202 W. Main St.  
 Salem II  
 62881  
 ATTN: Tim Priest

**17-13-32 Logan Co KS**

**Campbell 4 17**

Job Ticket: 57666

**DST#: 6**

Test Start: 2014.06.09 @ 16:52:15

## GENERAL INFORMATION:

Formation: **Myrick-Ft. Scott**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 20:29:45  
 Time Test Ended: 01:51:30  
 Interval: **4483.00 ft (KB) To 4535.00 ft (KB) (TVD)**  
 Total Depth: 4535.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Mike Roberts  
 Unit No: 65  
 Reference Elevations: 3043.00 ft (KB)  
 3033.00 ft (CF)  
 KB to GR/CF: 10.00 ft

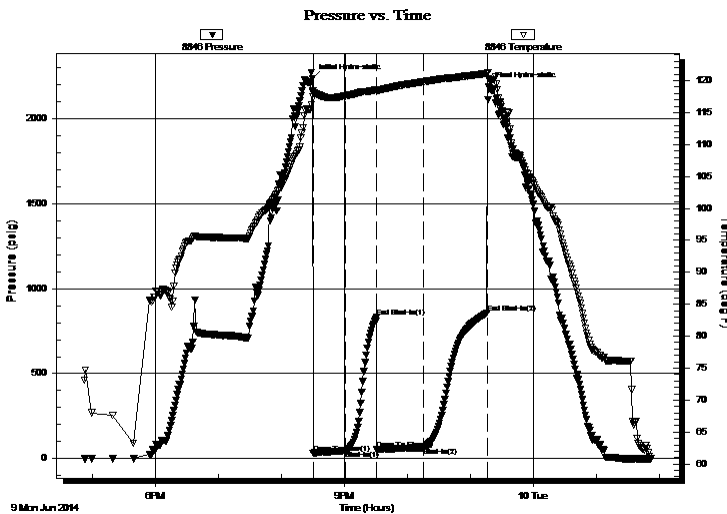
## Serial #: 8846

Inside

Press @ Run Depth: 64.65 psig @ 4488.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.06.09 End Date: 2014.06.10 Last Calib.: 2014.06.10  
 Start Time: 16:52:15 End Time: 01:51:30 Time On Btm: 2014.06.09 @ 20:29:30  
 Time Off Btm: 2014.06.09 @ 23:16:45

TEST COMMENT: IF: Built to 1 1/2" blow  
 IS: No return blow  
 FF: Built to 1 1/2" blow  
 FS: No return blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2235.00	118.33	Initial Hydro-static
1	32.02	117.41	Open To Flow (1)
32	46.57	117.60	Shut-In(1)
61	830.56	118.57	End Shut-In(1)
61	54.08	118.34	Open To Flow (2)
106	64.65	119.83	Shut-In(2)
167	856.39	121.11	End Shut-In(2)
168	2188.96	120.32	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	ocm 10%o 90%m	0.05
62.00	ocm 4%o 96%m	0.30

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespeare Oil Co. Inc

**17-13-32 Logan Co KS**

202 W. Main St.  
Salem II  
62881

**Campbell 4 17**

Job Ticket: 57666

**DST#: 6**

ATTN: Tim Priest

Test Start: 2014.06.09 @ 16:52:15

## 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:

0 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
10.00	ocm 10%o 90%m	0.049
62.00	ocm 4%o 96%m	0.305

Total Length: 72.00 ft      Total Volume: 0.354 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



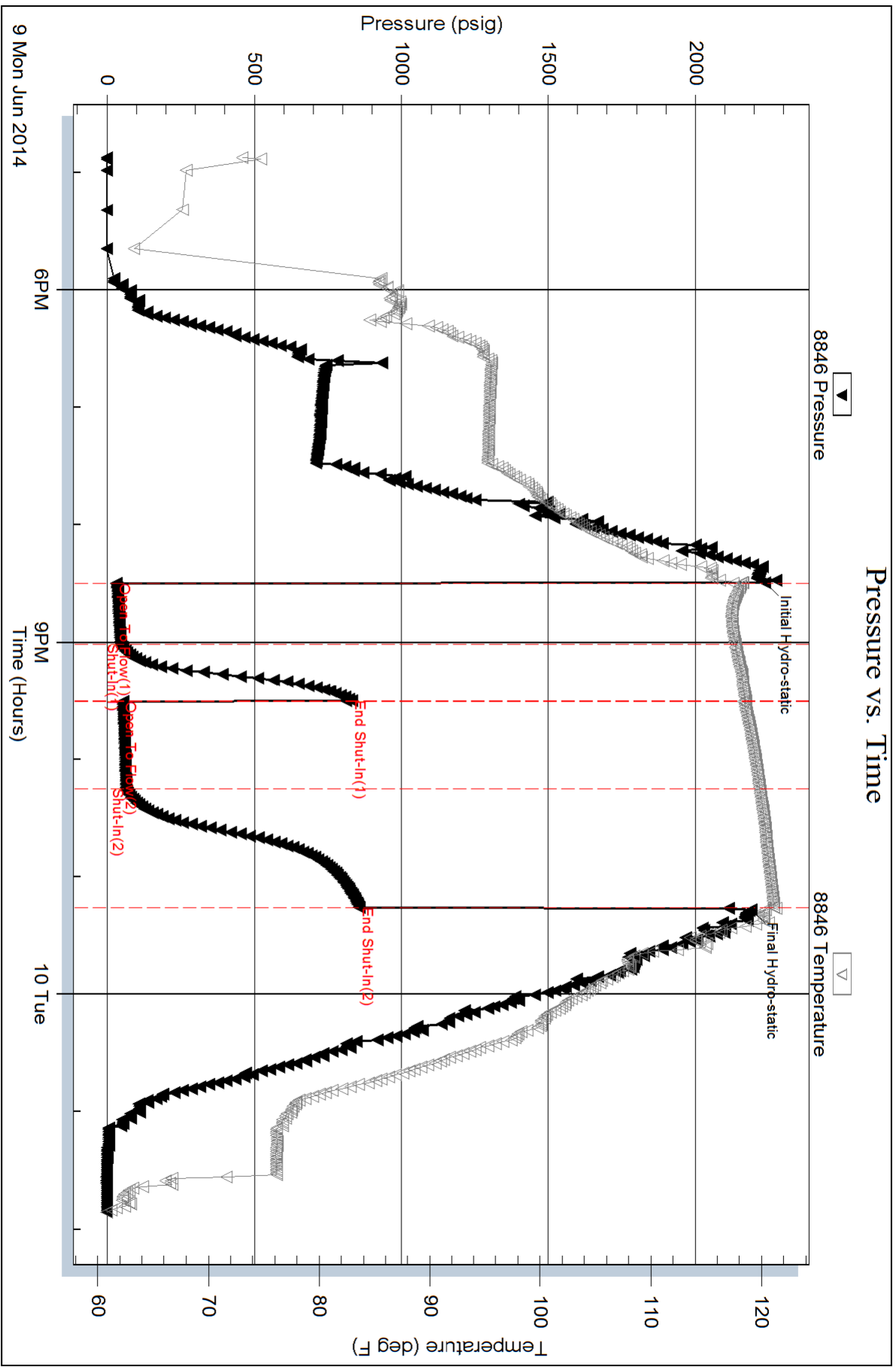
Serial #: 8846

Inside

Shakespeare Oil Co. Inc

Campbell 4 17

DST Test Number: 6



Triobite Testing, Inc

Ref. No: 57666

Printed: 2014.06.10 @ 05:27:30



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc

**17-13-32 Logan Co KS**

202 W. Main St.  
Salem Il 62881

**Campbell 4 17**

Job Ticket: 57667

**DST#: 7**

ATTN: Tim Priest

Test Start: 2014.06.10 @ 15:14:15

## GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:54:00

Time Test Ended: 23:16:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

**Interval: 4573.00 ft (KB) To 5610.00 ft (KB) (TVD)**

Reference Elevations: 3043.00 ft (KB)

Total Depth: 4573.00 ft (KB) (TVD)

3033.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

**Serial #: 8846**

**Inside**

Press@RunDepth: 99.49 psig @ 4605.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.06.10

End Date:

2014.06.10

Last Calib.:

2014.06.10

Start Time: 15:14:15

End Time:

23:16:45

Time On Btm:

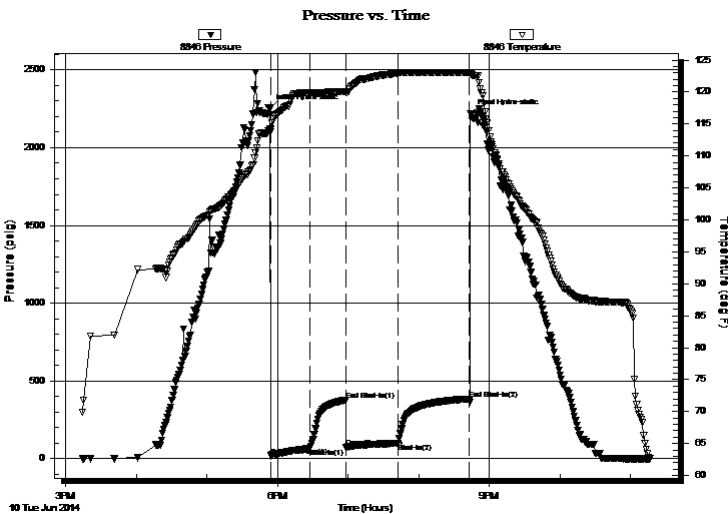
2014.06.10 @ 17:53:45

Time Off Btm:

2014.06.10 @ 20:44:00

TEST COMMENT: IF: Built to 7" blow  
IS: No return blow  
FF: Built to 1" blow  
FS: No return blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2253.91	114.26	Initial Hydro-static
1	18.46	113.77	Open To Flow (1)
34	65.33	119.92	Shut-In(1)
65	373.52	120.08	End Shut-In(1)
65	74.17	119.95	Open To Flow (2)
109	99.49	122.97	Shut-In(2)
170	384.54	123.07	End Shut-In(2)
171	2218.45	122.91	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	ocw m 5%o 35%w 60%m	0.30
60.00	w cgmo 2%w 10%g 38%o 50%m	0.30
60.00	ocm 20%o 80%m	0.30
15.00	ocm 20%o 80%m	0.21
15.00	Free Oil 100% o	0.21

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespeare Oil Co. Inc

**17-13-32 Logan Co KS**

202 W. Main St.  
Salem Il 62881

**Campbell 4 17**

Job Ticket: 57667

**DST#: 7**

ATTN: Tim Priest

Test Start: 2014.06.10 @ 15:14:15

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

33 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

21000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbf
60.00	ocw m 5%o 35%w 60%m	0.295
60.00	w cgmo 2%w 10%g 38%o 50%m	0.295
60.00	ocm 20%o 80%m	0.295
15.00	ocm 20%o 80%m	0.210
15.00	Free Oil 100% o	0.210

Total Length: 210.00 ft      Total Volume: 1.305 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API 33 @60

RW= .425 @ 65.2 = 21,000 ppm

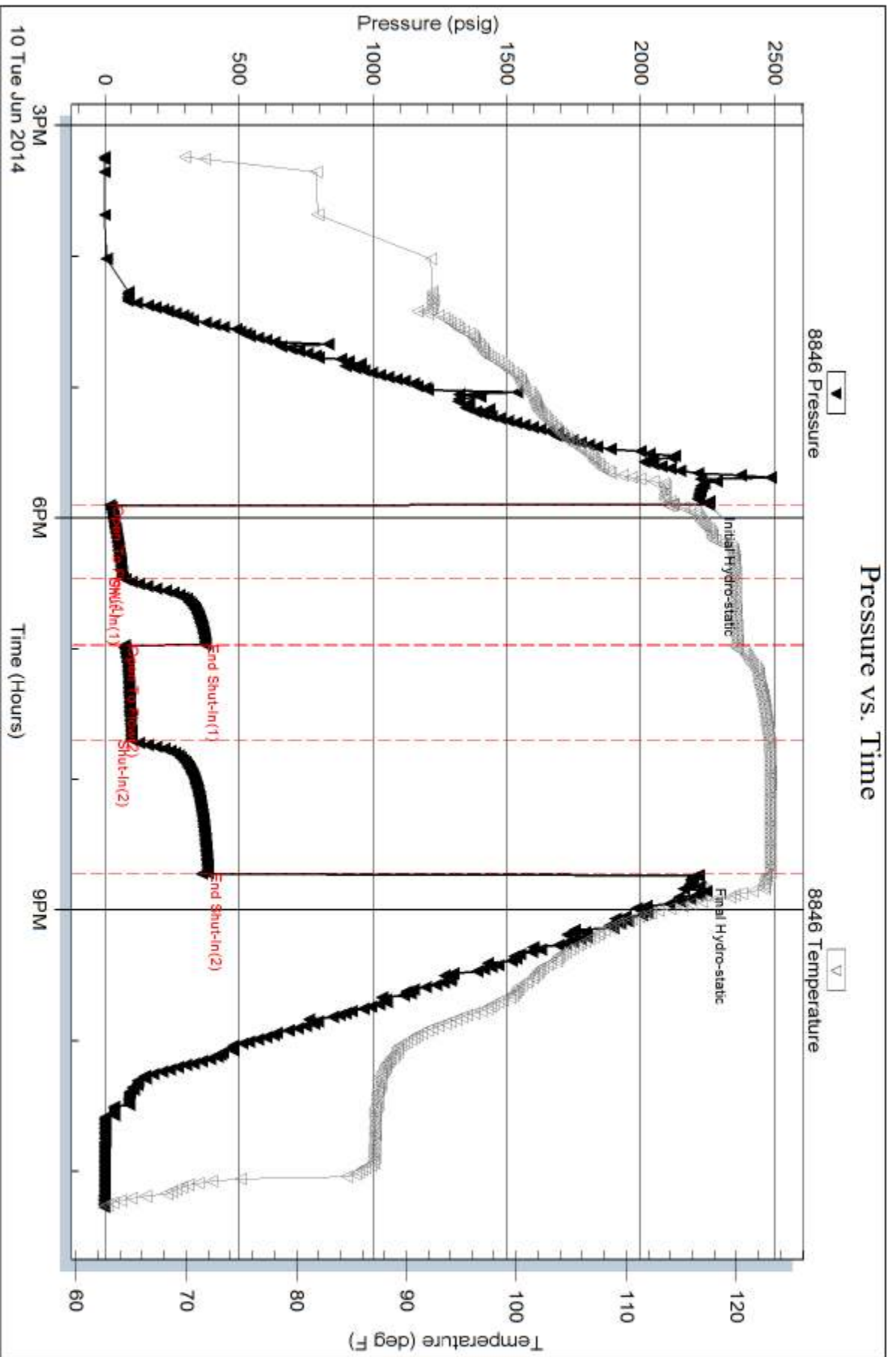
Serial #: 8846

Inside

Shakespeare Oil Co. Inc

Campbell 4 17

DST Test Number: 7



Trilobite Testing, Inc

Ref. No: 57667

Printed: 2014.06.11 @ 07:48:58



PO Box 93999  
Southlake, TX 76092

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

# INVOICE

Invoice Number: 143518

Invoice Date: May 29, 2014

Page: 1

<b>Bill To:</b>
Shakespeare Oil Co., Inc. 202 West Main St. Salem, IL 62881

Customer ID	Field Ticket #	Payment Terms	
Shak	63499	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	May 29, 2014	6/28/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	<u>Campbell #4-17</u>		
180.00	CEMENT MATERIALS	Class A Common	17.90	3,222.00
4.00	CEMENT MATERIALS	Gel	23.40	93.60
7.00	CEMENT MATERIALS	Chloride	64.00	448.00
194.64	CEMENT SERVICE	Cubic Feet Charge	2.48	482.71
177.60	CEMENT SERVICE	Ton Mileage Charge	2.60	461.76
1.00	CEMENT SERVICE	Surface ✓	1,512.25	1,512.25
20.00	CEMENT SERVICE	Pump Truck Mileage	7.70	154.00
1.00	CEMENT SERVICE	Swedge Manifold Rental	275.00	275.00
20.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	88.00
1.00	EQUIPMENT OPERATOR	Paul Beaver		
1.00	EQUIPMENT OPERATOR	Tyler Flipse		
1.00	OPERATOR ASSISTANT	Trevor Reed		

INT

RECEIVED  
 JUN 09 2014  
 11565175

10502-185  
Kes

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

\$ 1,684.33

ONLY IF PAID ON OR BEFORE  
Jun 28, 2014

Subtotal	6,737.32
Sales Tax	287.92
Total Invoice Amount	7,025.24
Payment/Credit Applied	
<b>TOTAL</b>	<b>7,025.24</b>

DW

# ALLIED OIL & GAS SERVICES, LLC 063499

Federal Tax I.D. # 20-8651475

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

SERVICE POINT  
Oakley KS

DATE <u>5-29-14</u>	SEC <u>17</u>	TWP <u>13</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION <u>12:00 a.m.</u>	JOB START <u>2:30 a.m.</u>	JOB FINISH <u>3:00 a.m.</u>
LEASE <u>Cambell</u>	WELL # <u>4-17</u>	LOCATION <u>Oakley S to Quail Rd</u>		COUNTY <u>Logan</u>	STATE <u>KS</u>		
OLD OR <u>NEW</u> (Circle one)		<u>3 mi W, 1/2 S.W. into</u>					

CONTRACTOR AD rig 2  
 TYPE OF JOB Surface  
 HOLE SIZE 12 1/4 T.D. 268'  
 CASING SIZE 8 5/8 DEPTH 277'  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX MINIMUM  
 MEAS. LINE SHOE JOINT  
 CEMENT LEFT IN CSG. 15'  
 PERFS.  
 DISPLACEMENT 1100 gal water

OWNER Same  
 CEMENT AMOUNT ORDERED 180 sks Com 3 1/2  
CC 26 gal

EQUIPMENT  
 PUMP TRUCK CEMENTER Paul Beaver  
 # 120 HELPER Tyler Elise  
 BULK TRUCK  
 # 600 DRIVER Enrique (TWS)  
 BULK TRUCK DRIVER Trevor Reed

COMMON 180 sks @ 17.90 3222.00  
 POZMIX @  
 GEL 4 sks @ 23.40 93.60  
 CHLORIDE 7 sks @ 69.00 483.00  
 ASC @  
 Material Total @ 3,830.00  
(940.90 / 25%)  
 HANDLING 184.64 @ 2.48 457.71  
 MILEAGE 8.88 Jcsx 20mi @ 2.60 231.12

REMARKS:  
Mix 180 sks Com 3 1/2  
Displace w/ water  
shut in swedge  
Cement did circulate  
(366 to top)

SERVICE  
 DEPTH OF JOB 265'  
 PUMP TRUCK CHARGE 1512.25  
 EXTRA FOOTAGE @  
 MILEAGE MHW 20 @ 7.70 154.00  
 MANIFOLD Swedge @ 275.00  
MHW 20 @ 4.40 88.00  
(143.43 / 20%)  
 TOTAL 2,973.10

CHARGE TO: Shakespeare Paul + Crew  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**PLUG & FLOAT EQUIPMENT**

	@	
	@	
	@	
	@	
	@	

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 Jeff Brock  
 SIGNATURE Jeff Brock

TOTAL \_\_\_\_\_  
 SALES TAX (if Any) \_\_\_\_\_  
 TOTAL CHARGES 6,136.32  
 DISCOUNT 1,681.33 (27%) IF PAID IN 30 DAYS  
4,454.99 Net.



# INVOICE

PO Box 93999  
Southlake, TX 76092

Invoice Number: 143794

Invoice Date: Jun 12, 2014

Page: 1

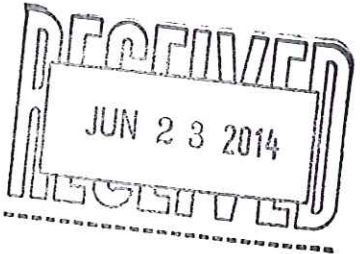
Voice: (817) 546-7282  
Fax: (817) 246-3361

<b>Bill To:</b>
Shakespeare Oil Co., Inc. 202 West Main St. Salem, IL 62881

Customer ID	Field Ticket #	Payment Terms	
Shak	64013	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Jun 12, 2014	7/12/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	<u>Campbell #4-17</u>		
310.00	CEMENT MATERIALS	Gel	1.05	325.50
165.00	CEMENT MATERIALS	ASC	23.50	3,877.50
858.00	CEMENT MATERIALS	Salt	0.68	583.44
825.00	CEMENT MATERIALS	Gilsonite	0.98	808.50
116.00	CEMENT MATERIALS	CD-31	7.73	896.68
25.00	CEMENT MATERIALS	Powdered Defoamer	3.50	87.50
12.00	CEMENT MATERIALS	Super Flush	41.09	493.08
214.91	CEMENT SERVICE	Cubic Feet Charge	2.48	532.98
138.74	CEMENT SERVICE	Ton Mileage Charge	2.75	381.54
1.00	CEMENT SERVICE	Long String ✓	2,765.75	2,765.75
15.00	CEMENT SERVICE	Pump Truck Mileage	7.70	115.50
1.00	CEMENT SERVICE	Manifold Rotating Head Rental	475.00	475.00
15.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	66.00
1.00	EQUIPMENT OPERATOR	Paul Beaver		
1.00	EQUIPMENT OPERATOR	Tyler Flipse		

INT



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

\$ 2,852.24

ONLY IF PAID ON OR BEFORE  
Jul 12, 2014

Subtotal	11,408.97
Sales Tax	541.02
Total Invoice Amount	11,949.99
Payment/Credit Applied	
<b>TOTAL</b>	<b>11,949.99</b>

DW  
10502-5  
Kw

# ALLIED OIL & GAS SERVICES, LLC 064013

Federal Tax I.D. # 20-8651476

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

SERVICE POINT:  
Oakley KS

DATE <u>6-12-14</u>	SEC. <u>17</u>	TWP. <u>13</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION <u>12:00 pm</u>	JOB START <u>4:30 pm</u>	JOB FINISH <u>5:00 pm</u>
LEASE <u>Campbell</u>	WELL# <u>4-17</u>	LOCATION <u>Oakley Sta Quail Rd 3 W.</u>		COUNTY <u>Logan</u>	STATE <u>KS</u>		
OLD OR NEW (Circle one)		<u>1/2 S, W + S into</u>					

CONTRACTOR H2 rig 2  
 TYPE OF JOB Production (long string)  
 HOLE SIZE 7 7/8 T.D. 4716'  
 CASING SIZE 5 1/2 DEPTH 4716'  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL Port Collar DEPTH 2492'  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT 4.3'  
 CEMENT LEFT IN CSG. 4.3'  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT 111.22 H2O  
 EQUIPMENT \_\_\_\_\_

OWNER Same

CEMENT  
 AMOUNT ORDERED 165 sks ASC, 10% salt, 5 gal sonite, 2 bags, 75 gal 1/2 CD-31, 15 gal P Deleamer, 500 gal super flush

COMMON	_____	_____	_____
POZMIX	_____	_____	_____
GEL	<u>310 #</u>	<u>1.05</u>	<u>325.50</u>
CHLORIDE	_____	_____	_____
ASC	<u>165 sks</u>	<u>23.50</u>	<u>3877.50</u>
Salt	<u>858 #</u>	<u>.68</u>	<u>583.44</u>
gilsonite	<u>825 #</u>	<u>.78</u>	<u>643.50</u>
CD-31	<u>116 #</u>	<u>7.70</u>	<u>892.68</u>
P Deleamer	<u>25 #</u>	<u>3.50</u>	<u>87.50</u>
Super Flush	<u>12 bbl</u>	<u>41.09</u>	<u>493.08</u>
116 gal 1/2 CD-31	<u>10 gal</u>	<u>10.50</u>	<u>105.00</u>
(116 gal 1/2 CD-31)	<u>10 gal</u>	<u>10.50</u>	<u>105.00</u>
HANDLING	<u>214.91</u>	<u>1.23</u>	<u>264.34</u>
MILEAGE	<u>2.25 hrs x 15 mi x 2.75</u>	<u>2.48</u>	<u>558.00</u>
			<b>TOTAL</b>

PUMP TRUCK CEMENTER Paul Beamer  
 # 120 HELPER Tyler Ellipse  
 BULK TRUCK  
 # 600 DRIVER Juan 1 (TWS)  
 BULK TRUCK  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

**REMARKS:**

Drop well, pump through shoe @ 300 #, circ 1 hr, mix Super Flush, mix 30 sks in R.H. mix 135 sks ASC, wash into pit, release plug, Displace w/ water, plug did land @ 1200 #, w/ 1700 # left. Float did hold.  
Thank You!  
Paul + Tyler

**SERVICE**

DEPTH OF JOB	<u>4716'</u>	_____
PUMP TRUCK CHARGE	<u>2765.75</u>	_____
EXTRA FOOTAGE	_____	_____
MILEAGE M.I.V.	<u>15</u>	<u>7.70</u> <u>115.50</u>
MANIFOLD Rotating head	<u>15</u>	<u>4.40</u> <u>66.00</u>
M.I.V.	<u>15</u>	<u>4.40</u> <u>66.00</u>
<b>TOTAL</b>		

CHARGE TO: Shake speare  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**PLUG & FLOAT EQUIPMENT**

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
<b>TOTAL</b>		

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 11,408.99  
 DISCOUNT 2,852.21 (25%) IF PAID IN 30 DAYS  
8,556.77 Net

PRINTED NAME Doug Roberts  
 SIGNATURE Doug Roberts





PO Box 93999  
Southlake, TX 76092

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

# INVOICE

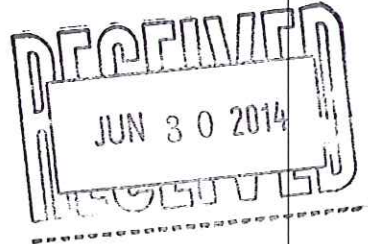
Invoice Number: 143913  
Invoice Date: Jun 20, 2014  
Page: 1

<b>Bill To:</b>
Shakespeare Oil Co., Inc. 202 West Main St. Salem, IL 62881

Customer ID	Field Ticket #	Payment Terms	
Shak	63459	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-04	Oakley	Jun 20, 2014	7/20/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Campbell #4-17		
247.00	CEMENT MATERIALS	Class A Common	17.90	4,421.30
133.00	CEMENT MATERIALS	Pozmix	9.35	1,243.55
2,644.00	CEMENT MATERIALS	Gel	1.05	2,776.20
600.00	CEMENT MATERIALS	Cottonseed Hulls	0.99	594.00
642.96	CEMENT SERVICE	Cubic Feet Charge	2.48	1,594.54
396.00	CEMENT SERVICE	Ton Mileage Charge	2.75	1,089.00
1.00	CEMENT SERVICE	Port Collar ✓	2,483.59	2,483.59
15.00	CEMENT SERVICE	Pump Truck Mileage	7.70	115.50
15.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	66.00
1.00	CEMENT SUPERVISOR	Andrew Forslund		
1.00	OPERATOR ASSISTANT	Brandon Wilkinson		

INT



10502-5  
120

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

\$ 3,595.92

ONLY IF PAID ON OR BEFORE

Jul 20, 2014

Subtotal	14,383.68
Sales Tax	691.18
Total Invoice Amount	15,074.86
Payment/Credit Applied	
<b>TOTAL</b>	<b>15,074.86</b>

DW

# ALLIED OIL & GAS SERVICES, LLC 063459

Federal Tax I.D. # 20-8651676

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

SERVICE POINT:

Cahley

DATE <u>12-20-14</u>	SEC. <u>17</u>	TWP. <u>13</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION <u>10:00 AM</u>	JOB START <u>11:00 AM</u>	JOB FINISH <u>12:00 PM</u>
LEASE <u>Compbell</u>	WELL # <u>4-17</u>	LOCATION <u>Cahley 145 262</u>			COUNTY <u>Logan</u>	STATE <u>TX</u>	
OLD OR (NEW) (Circle one) <u>(NEW)</u>			<u>1/25 W + S 145</u>				

CONTRACTOR Cheyenne Well Service OWNER Same

TYPE OF JOB Port collar

HOLE SIZE _____	T.D. _____	CEMENT _____
CASING SIZE <u>5 1/2</u>	DEPTH _____	AMOUNT ORDERED <u>550 sks 6875</u>
TUBING SIZE <u>2 3/8</u>	DEPTH <u>2479'</u>	<u>846 gal 14 FLO 1200# 14 15</u>
DRILL PIPE _____	DEPTH _____	<u>used 380 sks cement 100# HULLS</u>
TOOL _____	DEPTH _____	
PRES. MAX _____	MINIMUM _____	COMMON <u>242 sks @ 17.90 441.30</u>
MEAS. LINE _____	SHOE JOINT _____	POZMIX <u>133 sks @ 9.25 1243.53</u>
CEMENT LEFT IN CSG. _____		GEL <u>2644 # @ 1.05 2776.20</u>
PERFS. _____		CHLORIDE _____ @ _____
DISPLACEMENT <u>8 BOL</u>		ASC _____ @ _____

PUMP TRUCK # <u>431</u>	CEMENTER <u>Andrew Foxford</u>	<u>Hulls 100#</u>	@ <u>5.9</u>	<u>594.00</u>
BULK TRUCK # <u>386</u>	HELPER <u>Brandon Wilkerson</u>	<u>Makeno</u>	@ <u>7.03</u>	<u>703.50</u>
BULK TRUCK # _____	DRIVER <u>Enrique (TWS)</u>	<u>(205.76)</u>	@ <u>(.32)</u>	
BULK TRUCK # _____	DRIVER <u>Estelita (TWS)</u>		@ _____	

HANDLING 642.96 @ 2.48 1594.54  
MILEAGE 2.25 @ 10.40 23.40 1089.10

**REMARKS:**

Pressure system 1200#. Open Port collar  
mix 380 sks cement with 100#  
hulls circulate to surface.  
Close Port collar. Pressure system  
1200#. Reverse clean.  
Cement did circulate to  
surface

TOTAL \_\_\_\_\_

**SERVICE**

DEPTH OF JOB <u>2479</u>	
PUMP TRUCK CHARGE _____	<u>2483.59</u>
EXTRA FOOTAGE _____ @ _____	
MILEAGE <u>15 miles</u> @ <u>2.20</u>	<u>115.50</u>
MANIFOLD _____ @ _____	
<u>Light vehicle</u> @ <u>4.40</u>	<u>66.00</u>

(1331.16 / .25%) TOTAL 5,340.63

**PLUG & FLOAT EQUIPMENT**

_____	@ _____
_____	@ _____
_____	@ _____
_____	@ _____
_____	@ _____

TOTAL \_\_\_\_\_

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES 11,383.63

DISCOUNT 3,055.00 (25%) IF PAID IN 30 DAYS

16,787.76 Net

CHARGE TO: Shakespeare  
STREET \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

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 \_\_\_\_\_

SIGNATURE John Dawson