



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1153105  
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: \_\_\_\_\_



1153105

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

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

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

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

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

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

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

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

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

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

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Teeter 1-11
Doc ID	1153105

All Electric Logs Run

Array Induction
Photo Density
Comp Neutron
Microlog
Sonic

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Teeter 1-11
Doc ID	1153105

Tops

Name	Top	Datum
Base Anhydrite	2526	+478
Heebner	3978	-974
Lansing	4022	-1018
Muncie Creek	4163	-1159
Stark Shale	4248	-1244
Hushpuckney	4286	-1282
Pawnee	4450	-1446
Cherokee Shale	4536	-1532
Johnson	4576	-1572
Mississippian	4627	-1623



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co, Inc

**11 13s 32w Logan, Ks**

202 W. Main St.  
Salem, IL 62881

**Teeter 1-11**

Job Ticket: 53246

**DST#: 1**

ATTN: Tim Priest

Test Start: 2013.06.20 @ 03:24:00

## GENERAL INFORMATION:

Formation: **LKC - B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:04:30

Time Test Ended: 10:44:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 53

**Interval: 4045.00 ft (KB) To 4070.00 ft (KB) (TVD)**

Reference Elevations: 2315.00 ft (KB)

Total Depth: 4070.00 ft (KB) (TVD)

2305.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8522 Outside**

Press @ Run Depth: 70.65 psig @ 4046.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.06.20

End Date:

2013.06.20

Last Calib.:

2013.06.20

Start Time: 03:24:05

End Time:

10:43:59

Time On Btm:

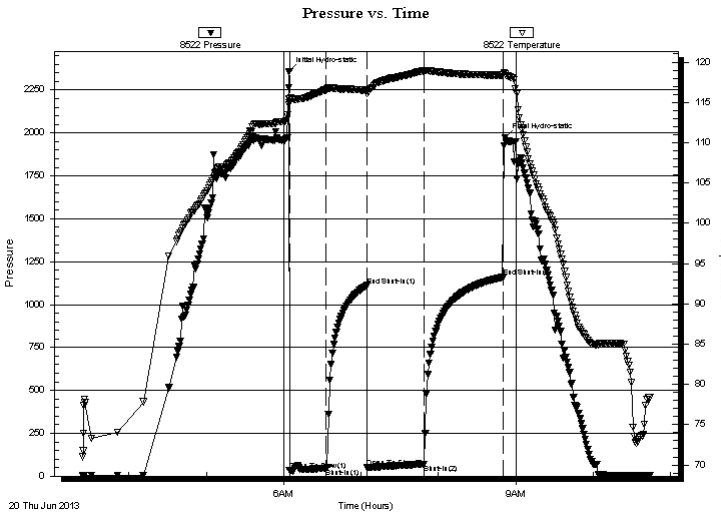
2013.06.20 @ 06:04:15

Time Off Btm:

2013.06.20 @ 08:51:45

**TEST COMMENT:** IF: 2" blow.  
FSI: No return.  
FF: 1/2" Blow.  
FSI: No return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2359.60	115.46	Initial Hydro-static
1	32.53	114.97	Open To Flow (1)
29	46.38	116.57	Shut-In(1)
61	1111.22	116.52	End Shut-In(1)
61	49.14	116.06	Open To Flow (2)
105	70.65	118.88	Shut-In(2)
166	1158.89	118.37	End Shut-In(2)
168	1973.97	118.49	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
100.00	w cm 40w 60m (oil spots in tool)	0.49

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespeare Oil Co, Inc

**11 13s 32w Logan, Ks**

202 W. Main St.  
Salem, IL 62881

**Teeter 1-11**

Job Ticket: 53246

**DST#: 1**

ATTN: Tim Priest

Test Start: 2013.06.20 @ 03:24:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

37000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.40 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
100.00	w cm 40w 60m (oil spots in tool)	0.492

Total Length: 100.00 ft      Total Volume: 0.492 bbl

Num Fluid Samples: 0

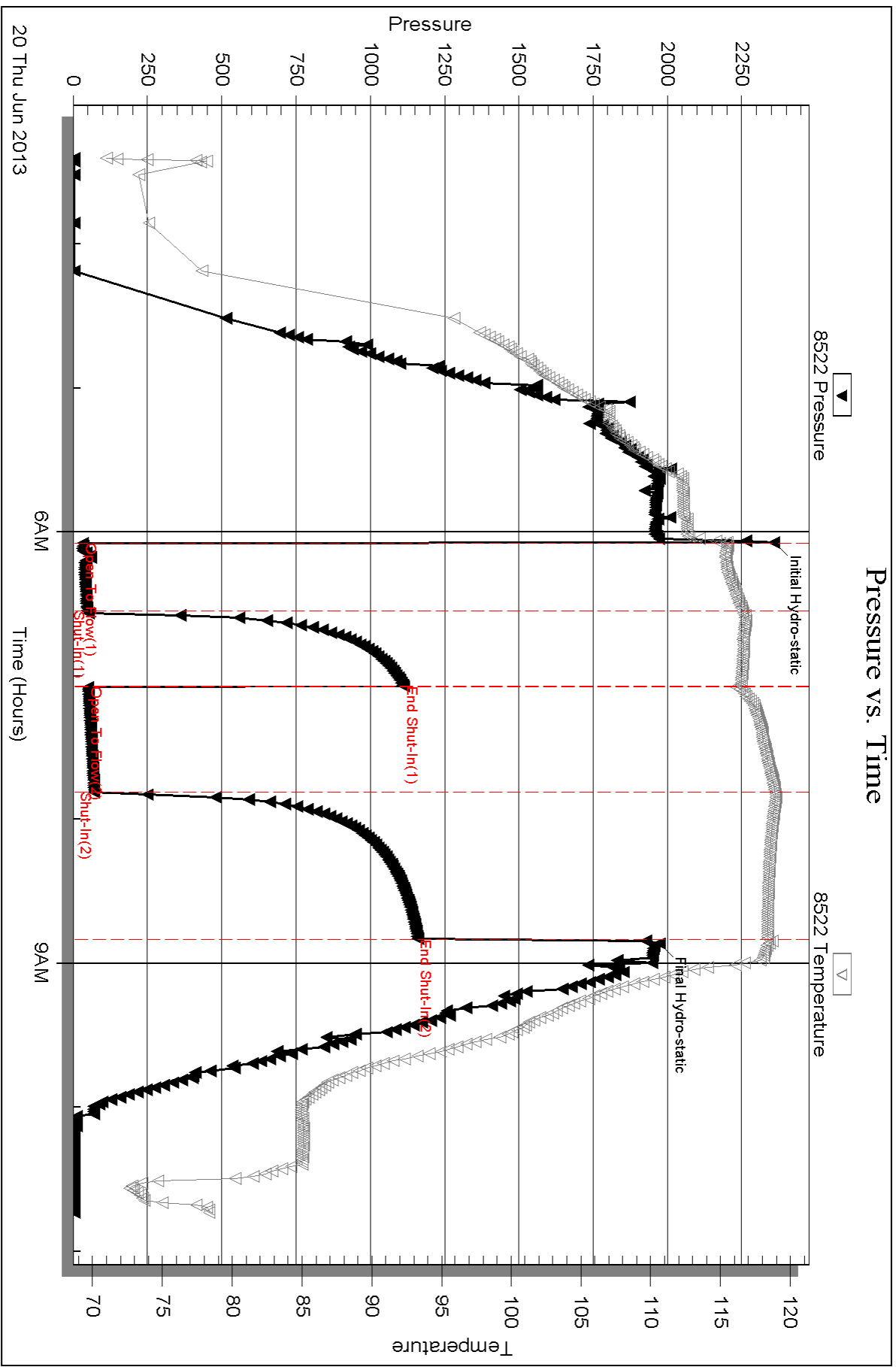
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .195 @ 72F = 37,000 ppm





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co, Inc

**11 13s 32w Logan, Ks**

202 W. Main St.  
Salem, IL 62881

**Teeter 1-11**

Job Ticket: 53247

**DST#: 2**

ATTN: Tim Priest

Test Start: 2013.06.21 @ 02:44:00

## GENERAL INFORMATION:

Formation: **LKC - H**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:50:00

Time Test Ended: 10:02:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 53

**Interval: 4160.00 ft (KB) To 4200.00 ft (KB) (TVD)**

Reference Elevations: 2315.00 ft (KB)

Total Depth: 4200.00 ft (KB) (TVD)

2305.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8522 Outside**

Press @ Run Depth: 244.19 psig @ 4161.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.06.21

End Date:

2013.06.21

Last Calib.:

2013.06.21

Start Time: 02:44:05

End Time:

10:02:29

Time On Btm:

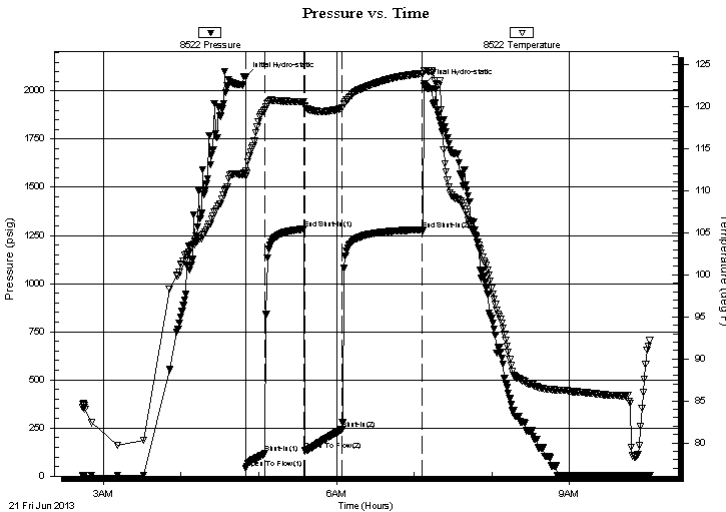
2013.06.21 @ 04:49:45

Time Off Btm:

2013.06.21 @ 07:08:00

**TEST COMMENT:** IF: BOB @ 3 min.  
IS: No return.  
FF: BOB @ 3 min.  
FS: 4" return, Receded to 1/4".

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2072.34	112.30	Initial Hydro-static
1	41.27	111.70	Open To Flow (1)
16	119.77	119.60	Shut-In(1)
46	1283.23	120.58	End Shut-In(1)
46	132.10	120.10	Open To Flow (2)
75	244.19	119.84	Shut-In(2)
137	1280.07	123.93	End Shut-In(2)
139	2038.84	124.26	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
120.00	gmco 30g 30m 40o	0.61
390.00	gsmco 40g 3m 57o	5.47
90.00	go 15g 85o	1.26
0.00	210 GIP (detected, very windy)	0.00

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespeare Oil Co, Inc

**11 13s 32w Logan, Ks**

202 W. Main St.  
Salem, IL 62881

**Teeter 1-11**

Job Ticket: 53247

**DST#: 2**

ATTN: Tim Priest

Test Start: 2013.06.21 @ 02:44:00

## 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:

0 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.40 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
120.00	gmco 30g 30m 40o	0.608
390.00	gsmco 40g 3m 57o	5.471
90.00	go 15g 85o	1.262
0.00	210 GIP (detected, very w indy)	0.000

Total Length: 600.00 ft

Total Volume: 7.341 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

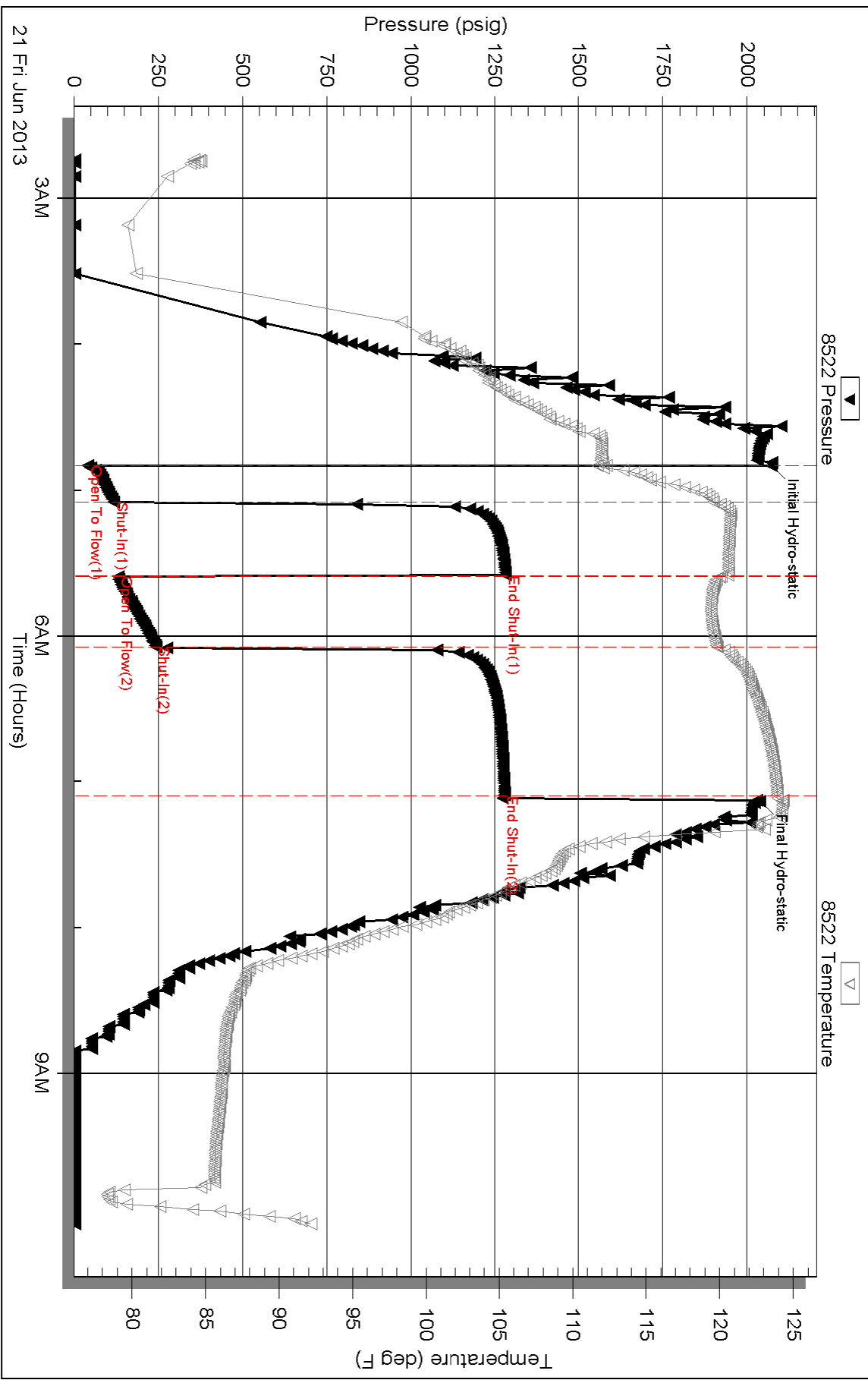
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co, Inc

**11 13s 32w Logan, Ks**

202 W. Main St.  
Salem, IL 62881

**Teeter 1-11**

Job Ticket: 53248

**DST#: 3**

ATTN: Tim Priest

Test Start: 2013.06.21 @ 18:24:00

## GENERAL INFORMATION:

Formation: **LKC - I**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:25:00

Time Test Ended: 01:24:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 53

**Interval: 4197.00 ft (KB) To 4225.00 ft (KB) (TVD)**

Reference Elevations: 2315.00 ft (KB)

Total Depth: 4225.00 ft (KB) (TVD)

2305.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8522 Outside**

Press @ Run Depth: 56.32 psig @ 4198.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.06.21

End Date:

2013.06.22

Last Calib.:

2013.06.22

Start Time: 18:24:05

End Time:

01:23:59

Time On Btm:

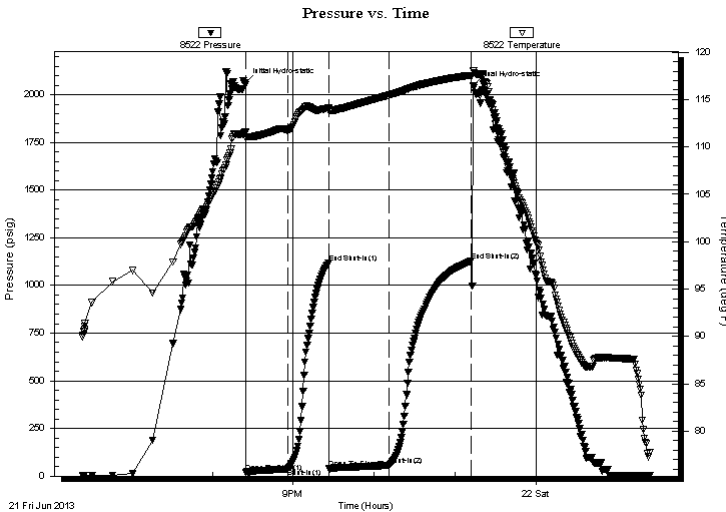
2013.06.21 @ 20:24:45

Time Off Btm:

2013.06.21 @ 23:13:15

**TEST COMMENT:** IF: 1" blow.  
IS: No return.  
FF: 2 3/4" blow.  
FS: No return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2063.64	111.58	Initial Hydro-static
1	20.38	110.96	Open To Flow (1)
32	42.86	111.80	Shut-In(1)
62	1116.77	114.09	End Shut-In(1)
62	41.85	113.77	Open To Flow (2)
107	56.32	115.47	Shut-In(2)
167	1127.43	117.57	End Shut-In(2)
169	2048.03	118.08	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	ocm 20o 80m	0.30
16.00	w ocm 20w 20o 60m	0.08
4.00	oil 100o	0.02
0.00	30' GIP	0.00

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespeare Oil Co, Inc

**11 13s 32w Logan, Ks**

202 W. Main St.  
Salem, IL 62881

**Teeter 1-11**

Job Ticket: 53248

**DST#: 3**

ATTN: Tim Priest

Test Start: 2013.06.21 @ 18:24:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

43000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.80 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2400.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	ocm 20o 80m	0.295
16.00	w ocm 20w 20o 60m	0.079
4.00	oil 100o	0.020
0.00	30' GIP	0.000

Total Length: 80.00 ft      Total Volume: 0.394 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

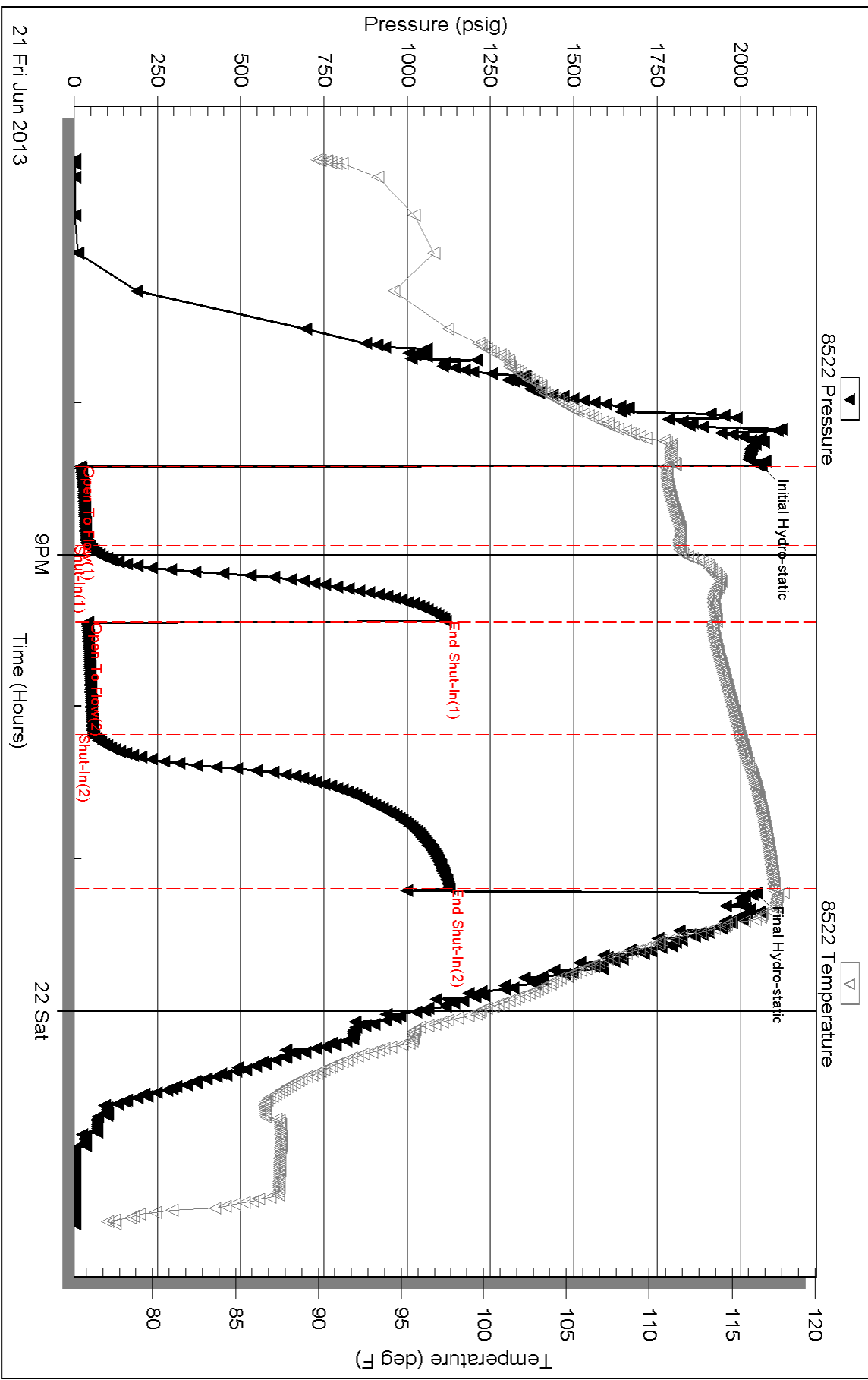
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .170 @ 70F = 43,000ppm

# Pressure vs. Time





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co, Inc

**11 13s 32w Logan, Ks**

202 W. Main St.  
Salem, IL 62881

**Teeter 1-11**

Job Ticket: 53249

**DST#: 4**

ATTN: Tim Priest

Test Start: 2013.06.22 @ 09:34:00

## GENERAL INFORMATION:

Formation: **LKC - J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:40:15

Time Test Ended: 15:43:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 53

**Interval: 4233.00 ft (KB) To 4245.00 ft (KB) (TVD)**

Total Depth: 4245.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2315.00 ft (KB)

2305.00 ft (CF)

KB to GR/CF: 10.00 ft

**Serial #: 8522 Outside**

Press @ RunDepth: 19.09 psig @ 4234.00 ft (KB)

Start Date: 2013.06.22

End Date:

2013.06.22

Start Time: 09:34:05

End Time:

15:43:29

Capacity: 8000.00 psig

Last Calib.: 2013.06.22

Time On Btm: 2013.06.22 @ 11:40:00

Time Off Btm: 2013.06.22 @ 13:42:15

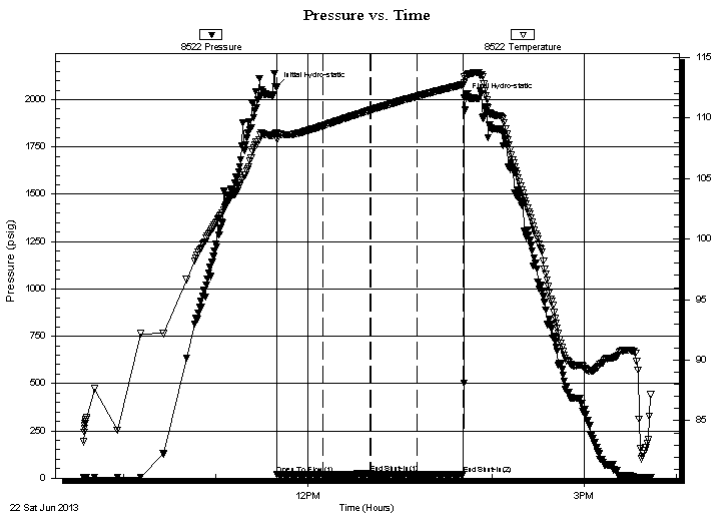
**TEST COMMENT:** IF: Surface blow, died @ 10 min.

IS: No return.

FF: No blow.

FS: No return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2066.76	108.81	Initial Hydro-static
1	18.79	108.26	Open To Flow (1)
30	18.82	109.36	Shut-In(1)
61	22.79	110.64	End Shut-In(1)
61	18.32	110.66	Open To Flow (2)
91	19.09	111.79	Shut-In(2)
122	20.91	112.76	End Shut-In(2)
123	2010.38	113.42	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
3.00	mud 100m (oil spots in tool)	0.01

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespeare Oil Co, Inc

**11 13s 32w Logan, Ks**

202 W. Main St.  
Salem, IL 62881

**Teeter 1-11**

Job Ticket: 53249

**DST#: 4**

ATTN: Tim Priest

Test Start: 2013.06.22 @ 09:34:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

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

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	mud 100m (oil spots in tool)	0.015

Total Length: 3.00 ft      Total Volume: 0.015 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

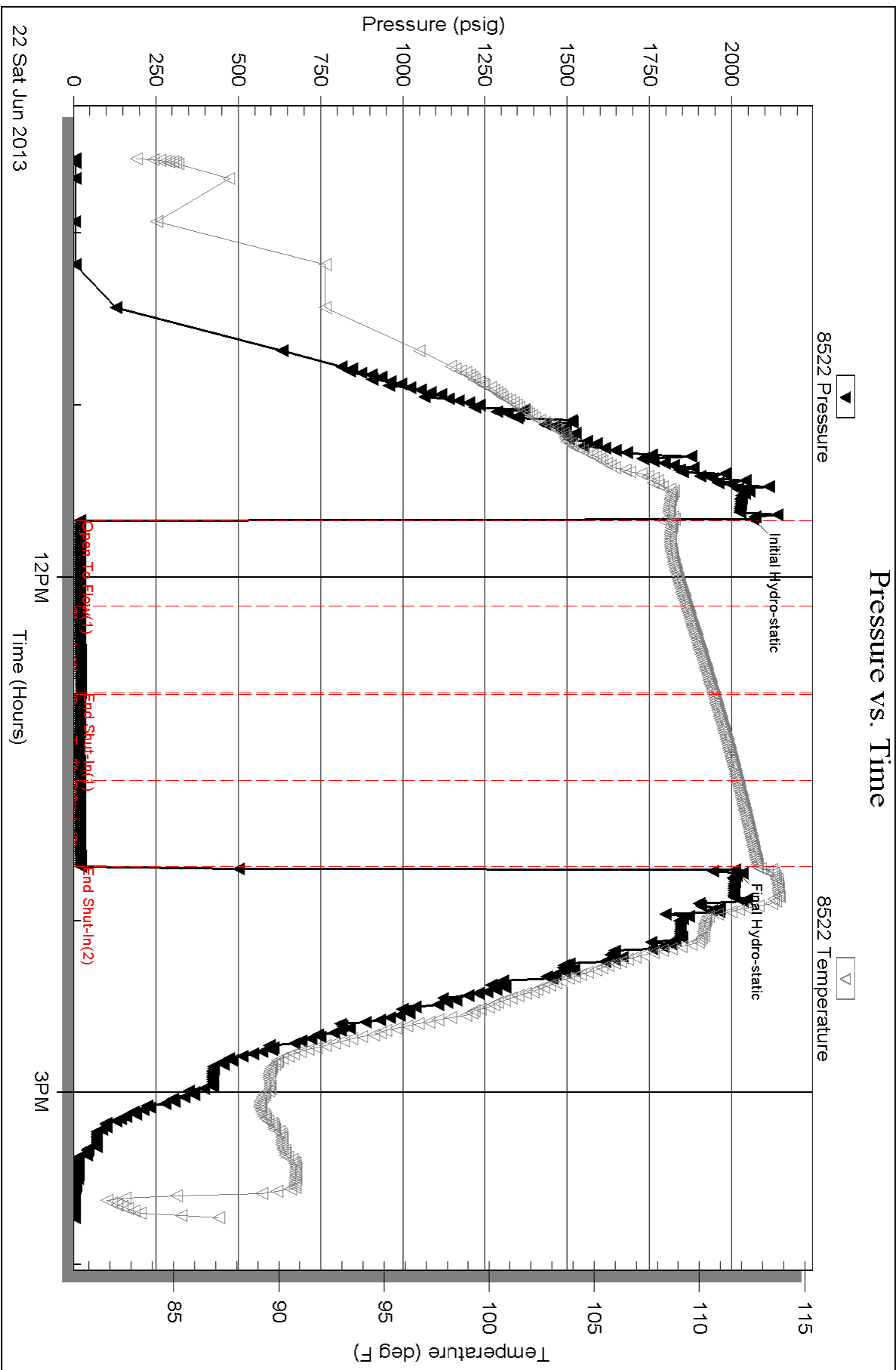
Recovery Comments:

Serial #: 8522

Outside Shakespeare Oil Co, Inc

Teeler 1-11

DST Test Number: 4







**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co, Inc

**11 13s 32w Logan, Ks**

202 W. Main St.  
Salem, IL 62881

**Teeter 1-11**

Job Ticket: 53250

**DST#: 5**

ATTN: Tim Priest

Test Start: 2013.06.23 @ 03:21:00

## GENERAL INFORMATION:

Formation: **LKC - K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:48:00

Time Test Ended: 11:10:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 53

**Interval: 4248.00 ft (KB) To 4280.00 ft (KB) (TVD)**

Reference Elevations: 2315.00 ft (KB)

Total Depth: 4280.00 ft (KB) (TVD)

2305.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8522 Outside**

Press @ Run Depth: 126.61 psig @ 4249.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.06.23

End Date: 2013.06.23

Last Calib.: 2013.06.23

Start Time: 03:21:05

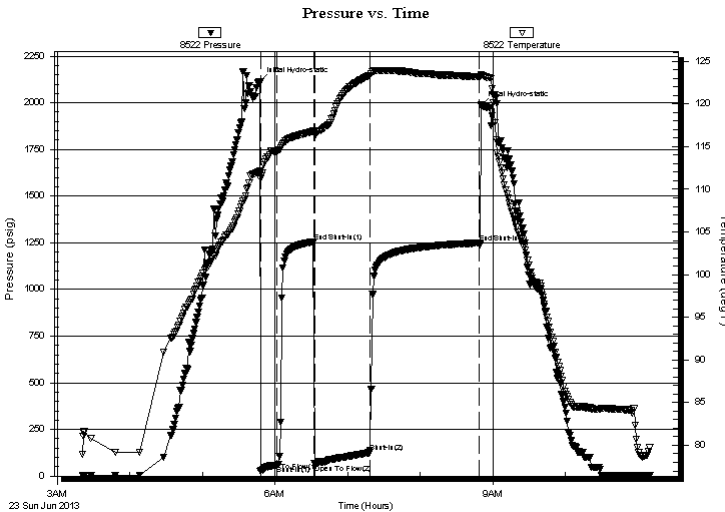
End Time: 11:10:29

Time On Btm: 2013.06.23 @ 05:47:45

Time Off Btm: 2013.06.23 @ 08:50:15

**TEST COMMENT:** IF: BOB @ 8 min.  
IS: 1/2" return.  
FF: BOB @ 5 min.  
FS: 5" return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2111.49	112.10	Initial Hydro-static
1	25.26	111.25	Open To Flow (1)
14	58.83	114.51	Shut-In(1)
45	1255.56	116.81	End Shut-In(1)
45	65.86	116.45	Open To Flow (2)
91	126.61	123.36	Shut-In(2)
181	1249.63	123.19	End Shut-In(2)
183	1986.89	123.42	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	gsw ocm 5g 1w 34o 60m	0.30
180.00	gmco 20g 35m 45o	2.00
60.00	go 50g 50o	0.84
0.00	1200' GIP	0.00

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespeare Oil Co, Inc

**11 13s 32w Logan, Ks**

202 W. Main St.  
Salem, IL 62881

**Teeter 1-11**

Job Ticket: 53250

**DST#: 5**

ATTN: Tim Priest

Test Start: 2013.06.23 @ 03:21:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

39 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

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

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	gsw ocm 5g 1w 34o 60m	0.295
180.00	gmco 20g 35m 45o	1.997
60.00	go 50g 50o	0.842
0.00	1200' GIP	0.000

Total Length: 300.00 ft

Total Volume: 3.134 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

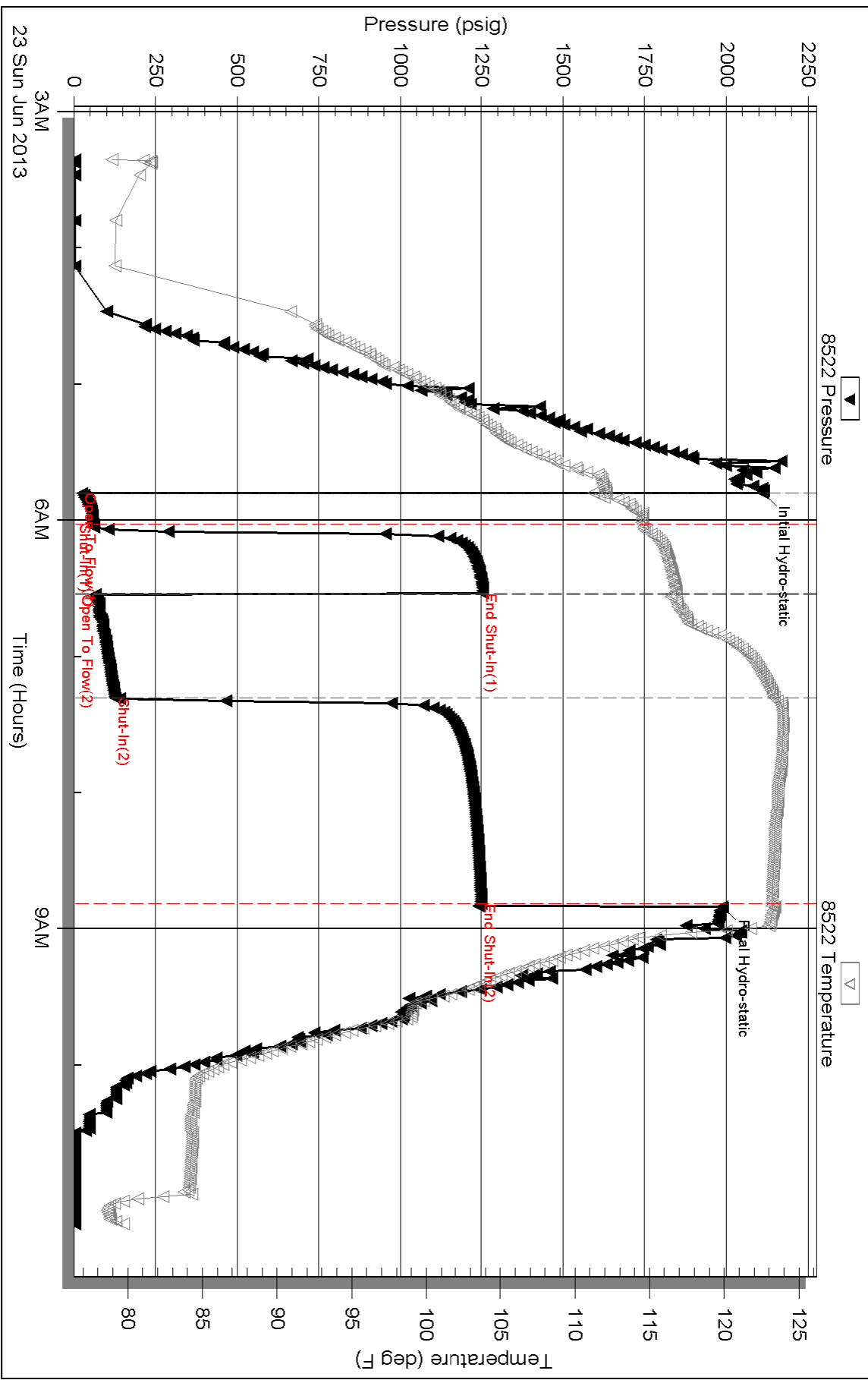
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co, Inc

**11 13s 32w Logan, Ks**

202 W. Main St.  
Salem, IL 62881

**Teeter 1-11**

Job Ticket: 48755

**DST#: 6**

ATTN: Tim Priest

Test Start: 2013.06.25 @ 02:04:00

## GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:45:45

Time Test Ended: 10:16:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 53

**Interval: 4568.00 ft (KB) To 4600.00 ft (KB) (TVD)**

Reference Elevations: 2315.00 ft (KB)

Total Depth: 4600.00 ft (KB) (TVD)

2305.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8522 Outside**

Press @ RunDepth: 80.25 psig @ 4569.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.06.25

End Date:

2013.06.25

Last Calib.:

2013.06.25

Start Time: 02:04:05

End Time:

10:16:29

Time On Btm:

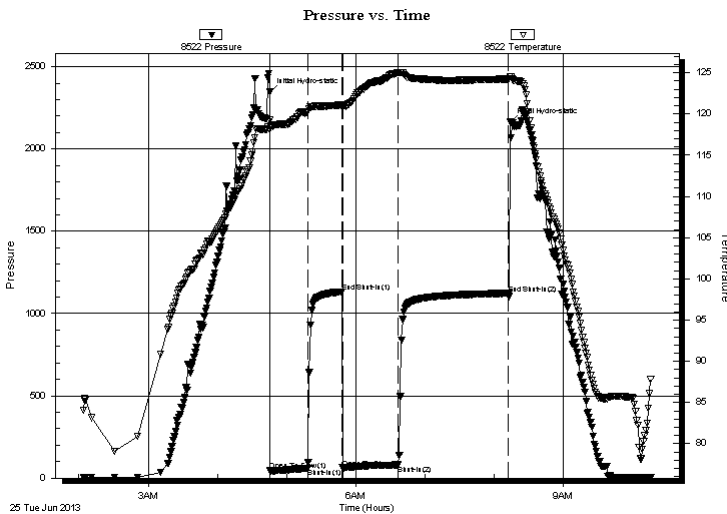
2013.06.25 @ 04:45:30

Time Off Btm:

2013.06.25 @ 08:13:45

**TEST COMMENT:** IF: 1 1/2" blow .  
IS: No return.  
FF: 1" Blow .  
FS: No return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2345.50	119.27	Initial Hydro-static
1	44.82	118.10	Open To Flow (1)
33	60.70	120.27	Shut-In(1)
63	1132.81	121.08	End Shut-In(1)
63	62.22	120.75	Open To Flow (2)
112	80.25	125.00	Shut-In(2)
207	1121.98	124.25	End Shut-In(2)
209	2162.62	124.55	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
135.00	w cm 40w 60m (oil spots)	0.82

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespeare Oil Co, Inc

**11 13s 32w Logan, Ks**

202 W. Main St.  
Salem, IL 62881

**Teeter 1-11**

Job Ticket: 48755

**DST#: 6**

ATTN: Tim Priest

Test Start: 2013.06.25 @ 02:04:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

19000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.39 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4400.00 ppm

Filter Cake: 2.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
135.00	w cm 40w 60m (oil spots)	0.819

Total Length: 135.00 ft      Total Volume: 0.819 bbl

Num Fluid Samples: 0

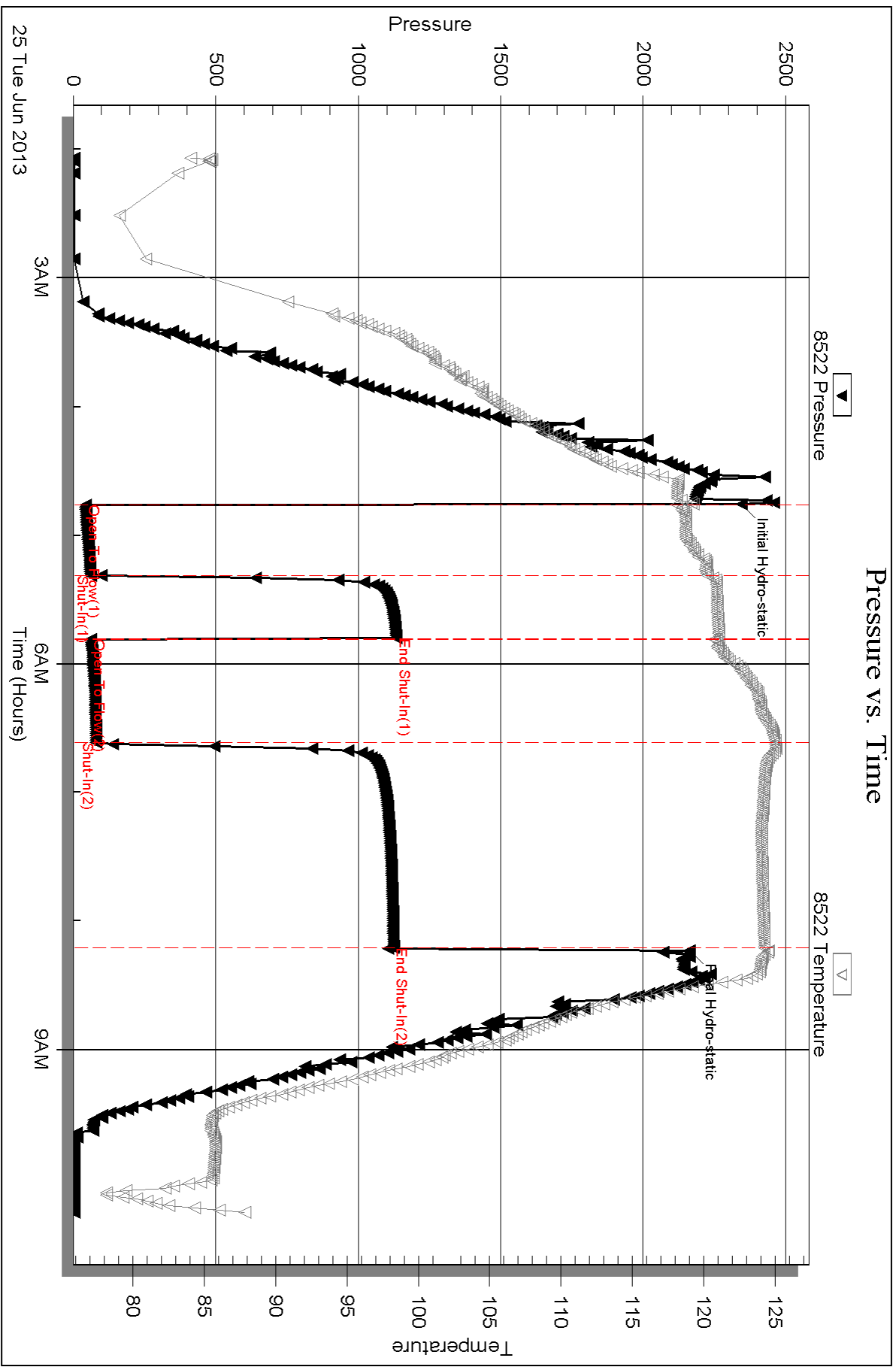
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .340 @ 75F = 19,000ppm



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

COMPANY: **SHAKESPEAR OIL CO.**  
 LEASE: **Tractor #11**  
 FIELD: **Wildcat**  
 LOCATION: **2305' FEL, 630' FEL**  
 SEC: **11 T15SP 13S R0E 32W**  
 COUNTY: **Logan STATE Kansas**

CONTRACTOR: **HD Drilling Rig #2**  
 SPUD: **6-14-13** COMP: **6-26-13**  
 RTD: **4700'** LTD: **4700'**  
 MUD UP: **3300'** TYPE MUD: **Chemical**

SAMPLES SAVED FROM: **3750'** to RTD  
 DRILLING TIME KEPT FROM: **3750'** to RTD  
 SAMPLES EXAMINED FROM: **3750'** to RTD  
 GEOLOGICAL SUPERVISION FROM: **3800'** to RTD

GEOLOGIST ON WELL: **Tim Priest**

FORMATION TOPS: **ELECTRIC LOG** SAMPLE  
 B/Anyvrite: **2503 (+501)** 2504 (+500)  
 Heebner Shale: **3978 (-974)** 3978 (-974)  
 Lansing: **4022 (-1018)** 4023 (-1019)  
 Stark: **4248 (-1245)** 4249 (-1245)  
 B/K.C.: **4318 (-1314)** 4317 (-1313)  
 Fort Scott: **4536 (+1529)** 4534 (+1500)  
 Cherokee Shale: **4535 (+1529)** 4535 (+1529)  
 Johnson Zone: **4576 (+1571)** 4575 (+1571)  
 Mississippian: **4627 (+1623)** 4626 (+1622)

ELEVATIONS  
 KB: **3004'**  
 DF: \_\_\_\_\_  
 GL: **2994'**

Measurements Are All From **KB**

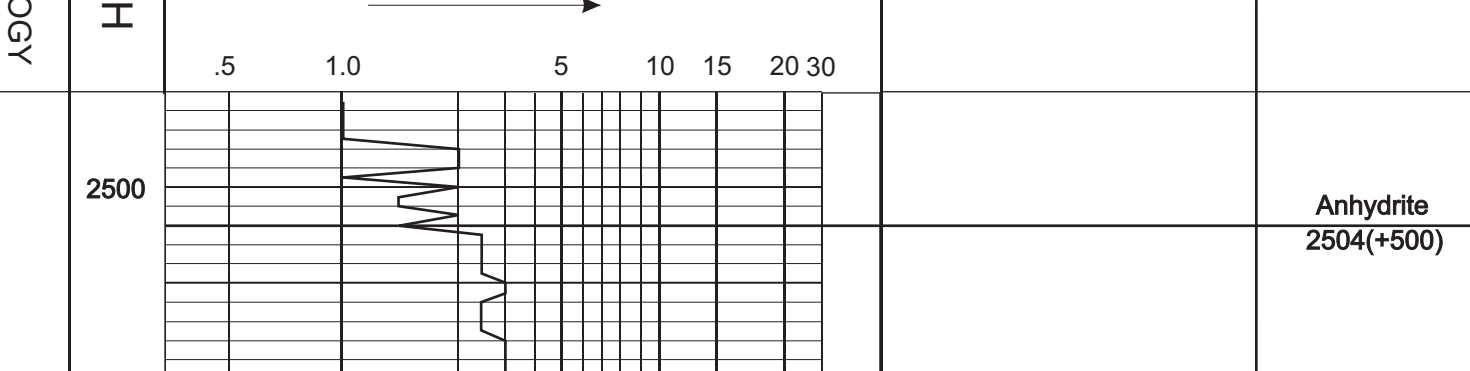
CASING  
 CONDUCTION: **N/A**  
 SURFACE: **8-5/8" @ 224'**  
 PRODUCTION: **5 1/2" @ 4700'**

ELECTRICAL SURVEYS  
 CND/D/SP/PE  
 By: **Weatherford**

REMARKS Due to the positive drill stem tests it was decided to set production casing to further test the well.

Respectfully Submitted,  
 Tim Priest  
 Petroleum Geologist

API #15-109-21168



DEPTH	LITHOLOGY	DRILLING TIME IN MINUTES PER FOOT	SAMPLE DESCRIPTION	REMARKS
2500	Anhydrite	0.5		Anhydrite 2504(+500)
2500	Sandstone	1.0		Base/ Anhydrite 2527(+477)
3800	Limestone	1.0	Ls crm-gry, fn xtl, fos, arg in prt	
3800	Shale	1.0	Ls crm-gry, fn xtl, sil fos, chky, p int xtl-pp por, NS	
3800	Shale	1.0	Sh gry, calc	
50	Shale	1.0	Ls crm, fn xtl, fos, v chky, f int xtl-pp por, NS	
50	Shale	1.0	Ls crm-lt gry, fn xtl, sil chky, dnse	
50	Shale	1.0	Sh blk	
50	Shale	1.0	SS red, vfn gm, w/silts	
50	Shale	1.0	Ls gry, vfn xtl, dnse	
3900	Shale	1.0	Ls crm-lt gry, fn xtl, fos, arg in prt	
3900	Shale	1.0	Ls crm-lt gry, vfn xtl, dnse	
3900	Shale	1.0	Sh blk	
50	Shale	1.0	Ls crm-lt gry, fn xtl, fos-fn ool, chky, f int xtl-pp por, NS	
50	Shale	1.0	Ls crm, vfn xtl, sil fos, sil chty, dnse	
50	Shale	1.0	Ls crm, fn xtl, fos, sil chky, f int xtl-pp por, sptd blk stn, VSSFO, v sil odor, no fluor	
50	Shale	1.0	Ls crm, fn xtl, fos, sil chty	
4000	Shale	1.0	Sh blk, carb	Heebner 3978 (-974)
4000	Shale	1.0	Ls crm-tan, fn xtl, sil chty, dnse	
4000	Shale	1.0	Sh lt gry-gry, silty, w/fn grm SS	
4000	Shale	1.0	Ls crm, fn xtl, fos, sil chky, p-f int xtl-pp por, NS	Toronto 4007 (-1003)
50	Shale	1.0	Sh red-gry	Lansing 4023 (-1019)
50	Shale	1.0	Ls crm-lt gry, fn xtl, ool, v chky, p-f int ool por, NS	
50	Shale	1.0	Ls crm, vfn xtl, dnse	
50	Shale	1.0	Ls crm, fn xtl, fos-sil ool, chky, p-f int xtl-pp por, NS	
50	Shale	1.0	Sh red-gry, calc	
50	Shale	1.0	Ls crm-lt gry, fn xtl, fos, sil chky, p-f int xtl-pp por, sptd-sli sat stn, SF0, v sil odor, dull fluor	DST #1 (4045' - 4070') FF: Built to 2', no return FF: Built to 4', no return Rec: 100 WCM w/ol spts (1 foot (40%W,60%M)) Fps: 210 GIP, 90 GO (55%G,55%O), 90 G GAO (40%G,57%O,3%M), 120 G GAO (50%G,40%O,10%M) Total Fluid: 600' BHT: 119 deg F
50	Shale	1.0	Ls crm-lt gry, vfn xtl, sil chty, dnse	
50	Shale	1.0	Sh grn-gry	
50	Shale	1.0	Ls crm-lt gry, fn xtl, fos, chky, p-f int xtl-pp por, sme dnse, NS	
50	Shale	1.0	Sh gry-blk	
50	Shale	1.0	Ls crm, fn xtl, fos, chky, p-f int xtl-pp por, NS	
50	Shale	1.0	Ls crm, vfn xtl, chty, dnse	
50	Shale	1.0	Ls crm-lt gry, fn xtl, ool, p-f ooc por, NS	
50	Shale	1.0	Ls lt gry, vfn xtl, dnse	
50	Shale	1.0	Sh gry, calc	
50	Shale	1.0	Ls crm-lt gry, vfn xtl, sil chky, dnse	Muncie Creek 4163 (-1159)
50	Shale	1.0	Sh blk, carb	
50	Shale	1.0	Ls crm-lt gry, fn xtl, sil fos, sil chky, dnse	
50	Shale	1.0	Sh gry-dk gry, calc	
50	Shale	1.0	Ls crm-lt gry, fn xtl, fos, sil chky, p-f int xtl & pp-vug por, sptd-sli sat stn, SF0, f odor, f-bri fluor	DST #2 (4160' - 4200') FF: Built to 3', no return FF: BOB in 3', built to 4 in. Rec: 210 GIP, 90 GO (55%G,55%O), 90 G GAO (40%G,57%O,3%M), 120 G GAO (50%G,40%O,10%M) Total Fluid: 600' Fps: 41-120W/132-244# SIPs: 1263R/1280# HSPs: 2072R/2035# BHT: 124 deg F
50	Shale	1.0	Ls crm-lt gry, vfn xtl, dnse	
50	Shale	1.0	Sh blk, carb	
50	Shale	1.0	Ls crm-tan, vfn xtl, dnse	
50	Shale	1.0	Sh grn-gry, calc in prt	
50	Shale	1.0	Ls crm-lt gry, fn xtl, fos-sil ool, chky, p-f int xtl & int frag por, sptd-sli sat stn, SSFO, v sil odor, dull fluor	DST #3 (4197' - 4225') FF: Built to 1 1/2 in, no return FF: Built to 5 in, no return Rec: 4 CO, 18 WCM (20%O, 20%G, 60%M), 60 CM (20%O, 60%M), Total: 80' Fps: 20-43R/42-56# SIPs: 1117R/1278# HSPs: 2064W/2048# BHT: 118 deg F
50	Shale	1.0	Ls crm-lt gry, fn xtl, fos, chky, p-f int xtl & int frag por, few pcs ooc, sptd-sli sat stn, SSFO, sil odor, dull-f fluor	
50	Shale	1.0	Ls tan-brn, vfn xtl, dnse	
50	Shale	1.0	Sh blk, carb	Stark 4249 (-1245)
50	Shale	1.0	Sh grn-gry, calc	
50	Shale	1.0	Ls crm-lt gry, fn xtl, fos-sil ool, chky, f int xtl-pp por w/scat vugs, sptd-most sat stn, SF0, strong odor, f-bri fluor	DST #4 (4248' - 4280') FF: Built to 1 1/2 in, no return FF: BOB in 5', no return Rec: 3 Mud Fps: 19-18R/178# SIPs: 234R/214# HSPs: 2067W/2010# BHT: 113 deg F
50	Shale	1.0	Ls crm-lt gry, fn xtl, fos, chky, f int xtl-pp por w/few vugs, NS	
50	Shale	1.0	Ls crm-lt gry, vfn xtl, dnse	
50	Shale	1.0	Sh blk, carb	
50	Shale	1.0	Sh grn-gry	
50	Shale	1.0	Ls crm-lt gry, vfn xtl, sil chky, sil chty, dnse	
50	Shale	1.0	Sh gry-dk gry	
50	Shale	1.0	Sh red-gry, calc	B/K.C. 4317 (-1313)
50	Shale	1.0	Sh red-gm, silty	
50	Shale	1.0	Sh grn-gry	
50	Shale	1.0	Ls crm-lt gry, vfn xtl, sil fos, sil chky, dnse	Marmaton 4342 (-1338)
50	Shale	1.0	Sh blk, carb	
50	Shale	1.0	Ls crm-lt yellow, fn xtl, ool, p int xtl & int ool por, NS	
50	Shale	1.0	Ls crm-lt gry, vfn xtl, dnse	
50	Shale	1.0	Ls tan-gry, vfn xtl, w/gry Sh & silts	
50	Shale	1.0	Sh red-gm-gry-blk	
50	Shale	1.0	Ls lt gry-gry, vfn xtl, dnse	
50	Shale	1.0	Ls crm-tan, fn xtl, fos, chky, dnse	
50	Shale	1.0	Sh lt gry, dk gry, silty, calc in prt	
50	Shale	1.0	Ls crm-tan-gry, vfn xtl, sil chty, w/lt gry-gry Sh	
50	Shale	1.0	Sh blk, carb	Pawnee 4450 (-1446)
50	Shale	1.0	Ls crm-tan, fn-vfn xtl, sil fos, sub chky in prt, p int xtl-pp por, sme frac por, sptd dk stn, SSFO, sil odor, dull-f fluor	
50	Shale	1.0	Ls crm-tan, vfn xtl, fos, chty, dnse	
50	Shale	1.0	Sh blk, carb	
50	Shale	1.0	Ls lt gry-gry, fn xtl, arg in prt, w/grn-gry Sh	
50	Shale	1.0	Ls crm-tan, vfn xtl, dnse	Myric Station 4489 (-1485)
50	Shale	1.0	Ls crm-tan, vfn xtl, chty, dnse	
50	Shale	1.0	Ls crm-gry, vfn xtl, ool, sil chty, dnse	
50	Shale	1.0	Ls crm-tan, vfn xtl, sil chty, dnse	Fort Scott 4504 (-1500)
50	Shale	1.0	Ls tan-gry, vfn xtl, dnse	
50	Shale	1.0	Sh blk, carb	Cherokee Shale 4533 (-1529)
50	Shale	1.0	Ls crm-lt gry, vfn xtl, dnse	
50	Shale	1.0	Sh blk, carb, w/gry fn xtl LS	
50	Shale	1.0	Ls tan-gry, vfn xtl, dnse	
50	Shale	1.0	Sh grn-gry-red	
50	Shale	1.0	Ls crm-tan-gry, vfn xtl, fos-sub ool, p-f int xtl & pp-vug por, sptd-sat dk stn, SF0, strong odor, no fluor	DST #6 (4565' - 4600') FF: Built to 1 1/2 in, no return FF: Built to 45' 90' Rec: 135 WCM w/ol spts (40%W,60%M) Fps: 45-81R/82-80# SIPs: 1153R/1228# HSPs: 2346R/2163# BHT: 124 deg F
50	Shale	1.0	Ls crm-lt gry, mic xtl, dnse	
50	Shale	1.0	Ls crm, fn xtl, chky, dnse	
50	Shale	1.0	Sh gry-dk gry	
50	Shale	1.0	Sh var col, silty, calc	
50	Shale	1.0	SS lt gm, fn gm, glauc, sil fria, NS	
50	Shale	1.0	Sh var col, silty, sil chty, w/int bed lt gry, fn-med gm SS, NS	
50	Shale	1.0	Ls crm-tan, mic xtl, dnse	Mississippian 4626 (+1622)
50	Shale	1.0	Ls lt gry, mic xtl, dnse	
50	Shale	1.0	Ls crm-tan, vfn xtl, sil sandy, dnse	
50	Shale	1.0	Ls crm-lt gry, vfn xtl, sil sandy, dnse	
50	Shale	1.0	Ls lt gry, fn xtl, sil dolo, blkly, dnse	
50	Shale	1.0	Ls crm-lt gry, vfn xtl, dnse	Total Depth 4700' (-1696)



PO Box 93999  
Southlake, TX 76092

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

# INVOICE

Invoice Number: 136780  
Invoice Date: Jun 14, 2013  
Page: 1

**Bill To:**

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

Now Includes:



Customer ID	Field Ticket #	Payment Terms	
Shak	60328	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Jun 14, 2013	7/14/13

Quantity	Item	Description	Unit Price	Amount
		Teeter #1-11		
165.00	MAT	Class A Common	17.90	2,953.50
3.00	MAT	Gel	23.40	70.20
6.00	MAT	Chloride	64.00	384.00
178.42	SER	Cubic Feet	2.48	442.48
113.96	SER	Ton Mileage	2.60	296.30
1.00	SER	Surface	1,512.25	1,512.25
14.00	SER	Pump Truck Mileage	7.70	107.80
1.00	SER	Manifold Rental	275.00	275.00
14.00	SER	Light Vehicle Mileage	4.40	61.60
1.00	CEMENTER	LaRene Wentz		
1.00	EQUIP OPER	Paul Beaver		
1.00	OPER ASSIST	David Scariano		

INT

Surface  
10 502-S

RECEIVED

JUN 24 2013

DW

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

\$ 1,586.81

ONLY IF PAID ON OR BEFORE  
Jul 9, 2013

Subtotal	6,103.13
Sales Tax	265.80
Total Invoice Amount	6,368.93
Payment/Credit Applied	
<b>TOTAL</b>	<b>6,368.93</b>



# ALLIED OIL & GAS SERVICES, LLC 060328

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:  
Oakley, KS

DATE <u>6-18-13</u>	SEC. <u>11</u>	TWP. <u>13</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION <u>7:20pm</u>	JOB START <u>11:20pm</u>	JOB FINISH <u>12:00am</u>
LEASE <u>Teeter</u>	WELL # <u>1-11</u>	LOCATION <u>Oakley, KS 11S, 1E, 1Y2S</u>			COUNTY <u>Logan</u>	STATE <u>KS</u>	
OLD OR (NEW) (Circle one)				<u>W pits</u>			

CONTRACTOR HD #2  
 TYPE OF JOB Surface  
 HOLE SIZE 12 1/4 T.D. 227  
 CASING SIZE 8 1/8 DEPTH 227.47  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. 151  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT 13.39661

OWNER same

CEMENT  
 AMOUNT ORDERED 165 sks con 32 cc  
2 cc gel

COMMON	<u>165 sks @ 17.90</u>	<u>2953.50</u>
POZMIX	@	
GEL	<u>3 sks @ 23.40</u>	<u>70.20</u>
CHLORIDE	<u>6 cc @ 64.00</u>	<u>384.00</u>
ASC	@	
	@	
	@	
	@	
	@	
	@	
	@	
	@	

HANDLING	<u>172.42.473</u>	@ <u>2.48</u>	<u>442.48</u>
MILEAGE	<u>2.14 mi K14 X</u>	@ <u>2.60</u>	<u>5.56</u>
		TOTAL	<u>4146.48</u>

EQUIPMENT

PUMP TRUCK CEMENTER LaRone E. Wade  
 # 423/281 HELPER Paul Beaver  
 BULK TRUCK  
 # 347 DRIVER David Scarrano  
 BULK TRUCK  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

REMARKS:  
Mix 165 sks cement  
Displace with water  
Cement did circulate.

Thank you

SERVICE

DEPTH OF JOB \_\_\_\_\_  
 PUMP TRUCK CHARGE 1512.25  
 EXTRA FOOTAGE @ \_\_\_\_\_  
 MILEAGE MTHU 14 @ 7.70 107.80  
 MANIFOLD @ \_\_\_\_\_  
MTHU 14 @ 4.90 68.60

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

TOTAL 1956.65

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.

TOTAL \_\_\_\_\_

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

TOTAL CHARGES 6,103.13

DISCOUNT 1,586.81 IF PAID IN 30 DAYS

PRINTED NAME Jays Roberts

4,516.31 Net

SIGNATURE Jays Roberts



PO Box 93999  
Southlake, TX 76092

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

# INVOICE

Invoice Number: 137013  
Invoice Date: Jun 26, 2013  
Page: 1

**Bill To:**

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

Now Includes:



Customer ID	Field Ticket #	Payment Terms	
Shak	60319	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Jun 26, 2013	7/26/13

Quantity	Item	Description	Unit Price	Amount
		Teeter #1-11		
3.00	MAT	Gel	23.40	70.20
180.00	MAT	ASC	20.90	3,762.00
900.00	MAT	Gilsonite	0.98	882.00
19.00	MAT	Salt	26.35	500.65
135.00	MAT	CD-31	10.30	1,390.50
12.00	MAT	Super Flush	58.70	704.40
233.79	SER	Cubic Feet	2.48	579.78
141.68	SER	Ton Mileage	2.60	368.37
1.00	SER	Production	2,765.75	2,765.75
14.00	SER	Pump Truck Mileage	7.70	107.80
1.00	SER	Manifold Head Rental	275.00	275.00
14.00	SER	Light Vehicle Mileage	4.40	61.60
1.00	SER	Rotating Head Rental	275.00	275.00
1.00	CEMENTER	Darren Racette		
1.00	EQUIP OPER	Paul Beaver		
1.00	OPER ASSIST	Brandon Wilkinson		

INT

RECEIVED  
 JUL 08 2013

Long String  
10501-S

Dw

Subtotal	11,743.05
Sales Tax	570.16
Total Invoice Amount	12,313.21
Payment/Credit Applied	
<b>TOTAL</b>	<b>12,313.21</b>

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

\$ 3,053.19

ONLY IF PAID ON OR BEFORE  
Jul 21, 2013

# ALLIED OIL & GAS SERVICES, LLC 060319

Federal Tax I.D. # 20-8051475

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

SERVICE POINT:

Oakley

DATE <u>6/26/13</u>	SEC. <u>11</u>	TWP. <u>13</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION	JOB START <u>9:30 Pm</u>	JOB FINISH <u>10:30 Pm</u>
LEASE <u>Teeter</u>	WELL # <u>1-11</u>	LOCATION <u>Oakley 115-1E-1/2S winto</u>			COUNTY <u>Logan Co</u>	STATE <u>Ks</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR HD #2  
 TYPE OF JOB Production  
 HOLE SIZE 7 7/8 T.D. 4700'  
 CASING SIZE 5 1/2 DEPTH 4700.95'  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL Post Collar DEPTH 2462.84'  
 PRES. MAX MINIMUM  
 MEAS. LINE SHOE JOINT 42.0  
 CEMENT LEFT IN CSG. 42.0  
 PERFS.  
 DISPLACEMENT 110.88

OWNBR Same

CEMENT  
 AMOUNT ORDERED 180 sks Asc 10% salt  
2% Gel 5" Gilsonite 3/4" 1% CD-31  
1266L Super Flush.

COMMON @  
 POZMIX @  
 GEL 3 sks @ 23.42 \$ 70.26  
 CHLORIDE @  
 ASC 180 sks @ 20.22 \$ 3762.00  
 Gilsonite 900 # @ .28 \$ 882.00  
 Salt 19 sks @ 26.35 \$ 500.65  
 CD-31 135 # @ 10.30 \$ 1397.35  
 Superflush 1266L @ 58.20 \$ 704.42  
 HANDLING 233.78 @ 2.48 \$ 579.78  
 MILBAGE 10.12 x 14 x @ 2.60 \$ 368.32  
 TOTAL \$ 8264.66

EQUIPMENT

PUMP TRUCK CEMENTER Darren Racette  
 # 423-281 HELPER Paul Beaver  
 BULK TRUCK  
 # 396-306 DRIVER Brandon Wilkinson  
 BULK TRUCK  
 # DRIVER

REMARKS:

Mix Super Flush Plug Rathole 30sk mix  
150sk Asc Cement washup Pump & Lines  
Displace plug Load Plug @ 14x20" Lift 900'  
Elast Head

SERVICE

DEPTH OF JOB 4700.95'  
 PUMP TRUCK CHARGE \$ 2765.25  
 EXTRA FOOTAGE @  
 MILEAGE 14 @ 7.72 \$ 107.80  
 MANIFOLD Head @ 875.00  
1/2 mileage @ 4.40 \$ 61.60  
Rotating Head @ 275.00  
 TOTAL \$ 3485.15

Thank You.

CHARGE TO: Shakespeare oil  
 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 11,749.81  
 DISCOUNT 3,054.95 IF PAID IN 30 DAYS  
8,694.86 Net.

PRINTED NAME Doug Roberts  
 SIGNATURE Doug Roberts  
Good 306

PO Box 93999  
Southlake, TX 76092

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

# INVOICE

Invoice Number: 137194

Invoice Date: Jul 2, 2013

Page: 1

**Bill To:**

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

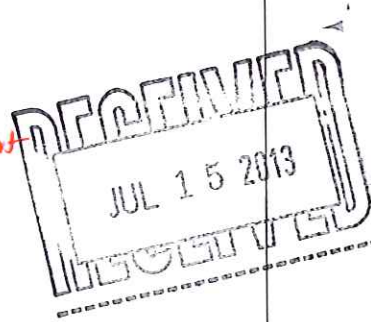
Now Includes:



Customer ID	Field Ticket #	Payment Terms	
Shak	60755	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-04	Oakley	Jul 2, 2013	8/1/13

Quantity	Item	Description	Unit Price	Amount
		Teeter #1-11		
195.00	MAT	Class A Common	17.90	3,490.50
130.00	MAT	Pozmix	9.35	1,215.50
22.00	MAT	Gel	23.40	514.80
23.00	MAT	Cottonseed Hulls	35.00	805.00
81.25	MAT	Flo Seal	2.97	241.31
1,372.96	SER	Cubic Feet	2.48	3,404.94
373.10	SER	Ton Mileage	2.60	970.06
1.00	SER	Port Collar	2,483.59	2,483.59
14.00	SER	Pump Truck Mileage	7.70	107.80
14.00	SER	Light Vehicle Mileage	4.40	61.60
1.00	CEMENTER	Andrew Forslund		
1.00	EQUIP OPER	D J Gray		
1.00	OPER ASSIST	Brandon Wilkinson		

Port Collar Cement  
10502-5  
JH



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

\$ 3,456.72

ONLY IF PAID ON OR BEFORE  
Jul 27, 2013

Subtotal	13,295.10
Sales Tax	448.10
Total Invoice Amount	13,743.20
Payment/Credit Applied	
<b>TOTAL</b>	<b>13,743.20</b>

# ALLIED OIL & GAS SERVICES, LLC 060755

Federal Tax I.D. # 20-8661476

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

SERVICE POINT:  
Oakley

DATE <u>7-2-13</u>	SEC <u>11</u>	TWP. <u>13</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION	JOB START <u>12:00 pm</u>	JOB FINISH <u>1:00 pm</u>
LEASEE <u>Teeter</u>	WELL.# <u>1-11</u>	LOCATION <u>Oakley 11s 16 1/2s</u>		COUNTY <u>Logan</u>	STATE <u>Ks</u>		
OLD OR <input checked="" type="radio"/> NEW (Circle one)		W into					

CONTRACTOR Fritzer  
 TYPE OF JOB port collar  
 HOLE SIZE \_\_\_\_\_ T.D. \_\_\_\_\_  
 CASING SIZE 5 1/2 DEPTH \_\_\_\_\_  
 TUBING SIZE 2 7/8 DEPTH 2462'  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL port collar DEPTH 2462'  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. \_\_\_\_\_  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT 8.5 DBL

OWNER same  
 CEMENT  
 AMOUNT ORDERED 550 sks 5/8" 8' bag  
1/4 flo-seal  
1500# hulls on side  
used 325 sks cement 1150 # hulls  
 COMMON 195 sks @ 17.90 3490.50  
 POZMIX 130 sks @ 9.25 1215.50  
 GEL 2.2 sks @ 27.40 514.80  
 CHLORIDE @ \_\_\_\_\_  
 ASC @ \_\_\_\_\_  
 HULLS 275 sks @ 35.00 805.00  
 FLOSEAL 81.25 # @ 2.97 241.31  
 HANDLING 1328.96 c/ft @ 2.48 3404.94  
 MILEAGE 2.60 ton/mile 26.65 @ 920.06  
 TOTAL 10642.11

EQUIPMENT  
 PUMP TRUCK CEMENTER Andrew Forstlund  
 # 431 HELPER D J Gray  
 BULK TRUCK  
 # 540 DRIVER Brandon Wilkerson  
 BULK TRUCK  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

REMARKS:  
Pressure system 1200#, open port collar, pump @ 200 mud with 800# hulls, mix 325 sks cement with 350# hulls, cement did circulate, displace, close port collar, pressure to 1400#. Run 4 joints reverse clean. 1000# lift pressure  
 Thank you

CHARGE TO: Shak's peers oil  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

SERVICE  
 DEPTH OF JOB 2462'  
 PUMP TRUCK CHARGE 2487.55  
 EXTRA FOOTAGE @ \_\_\_\_\_  
 MILEAGE 14 miles @ 7.70 107.80  
 MANIFOLD @ \_\_\_\_\_  
 Light vehicle @ 4.40 61.60  
 TOTAL 2657.99

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 John Dowson  
 SIGNATURE \_\_\_\_\_

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

SALES TAX (If Any) \_\_\_\_\_  
 TOTAL CHARGES 13,295.10  
 DISCOUNT 3,456.72 IF PAID IN 30 DAYS  
9,838.37 Net.

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



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

Mark Sievers, Chairman  
Thomas E. Wright, Commissioner  
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

July 26, 2013

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

Re: ACO1  
API 15-109-21168-00-00  
Teeter 1-11  
SE/4 Sec.11-13S-32W  
Logan 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