



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1101483
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: _____



1101483

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Younkin 1-36
Doc ID	1101483

All Electric Logs Run

Array Induction
Photo Density
Comp Neutron
Microlog

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Younkin 1-36
Doc ID	1101483

Tops

Name	Top	Datum
Base Anhydrite	2320	+570
Heebner	3738	-848
Lansing	3798	-908
Muncie Creek	3950	-1060
Stark Shale	4039	-1149
Hushpuckney	4080	-1190
Pawnee	4249	-1359
Cherokee Shale	4337	-1447
Johnson	4381	-1491
Morrow Shale	4448	-1558
Mississippian	4474	-1584



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil Company, Inc

26-13-34 Logan Co KS

202 W. Main St.
Salem IL 62881

Younklin 1 36

Job Ticket: 49866

DST#: 1

ATTN: Tim Priest

Test Start: 2012.11.05 @ 02:40:15

GENERAL INFORMATION:

Formation: **E-F**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 05:05:45
 Time Test Ended: 10:20:00
 Interval: **3876.00 ft (KB) To 3900.00 ft (KB) (TVD)**
 Total Depth: 3900.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Mike Roberts
 Unit No: 65
 Reference Elevations: 2885.00 ft (KB)
 2880.00 ft (CF)
 KB to GR/CF: 5.00 ft

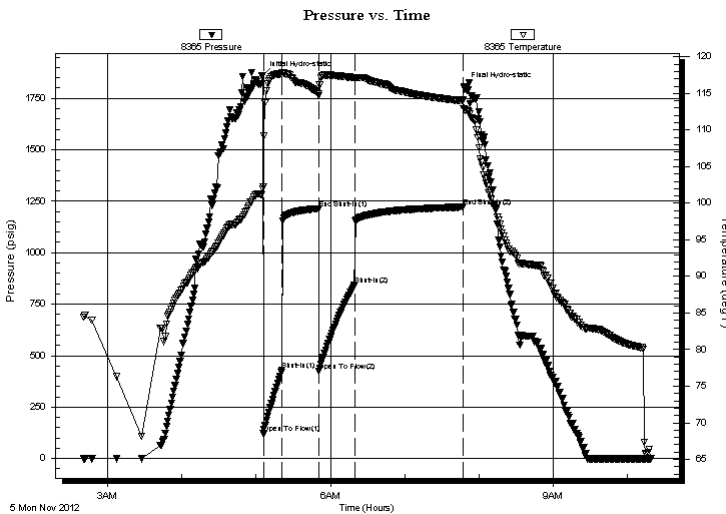
Serial #: 8365

Outside

Press @ RunDepth: 842.42 psig @ 3877.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.11.05 End Date: 2012.11.05 Last Calib.: 2012.11.06
 Start Time: 02:40:15 End Time: 10:20:00 Time On Btm: 2012.11.05 @ 05:05:15
 Time Off Btm: 2012.11.05 @ 07:48:00

TEST COMMENT: IF:BOB in 2 min.
 IS:No return blow
 FF:BOB in 2min
 FS:NO return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1860.48	101.99	Initial Hydro-static
1	120.95	102.27	Open To Flow (1)
16	428.67	117.65	Shut-In(1)
45	1214.14	114.98	End Shut-In(1)
46	425.66	114.67	Open To Flow (2)
75	842.42	117.15	Shut-In(2)
162	1222.02	113.97	End Shut-In(2)
163	1805.78	112.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
310.00	sw cm 20%sw 80%m	3.25
1426.00	sw 100% sw	20.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Company, Inc

26-13-34 Logan Co KS

202 W. Main St.
Salem IL 62881

Younkin 1 36

Job Ticket: 49866

DST#: 1

ATTN: Tim Priest

Test Start: 2012.11.05 @ 02:40:15

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:

32000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

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
310.00	sw cm 20%sw 80%m	3.246
1426.00	sw 100% sw	20.003

Total Length: 1736.00 ft Total Volume: 23.249 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

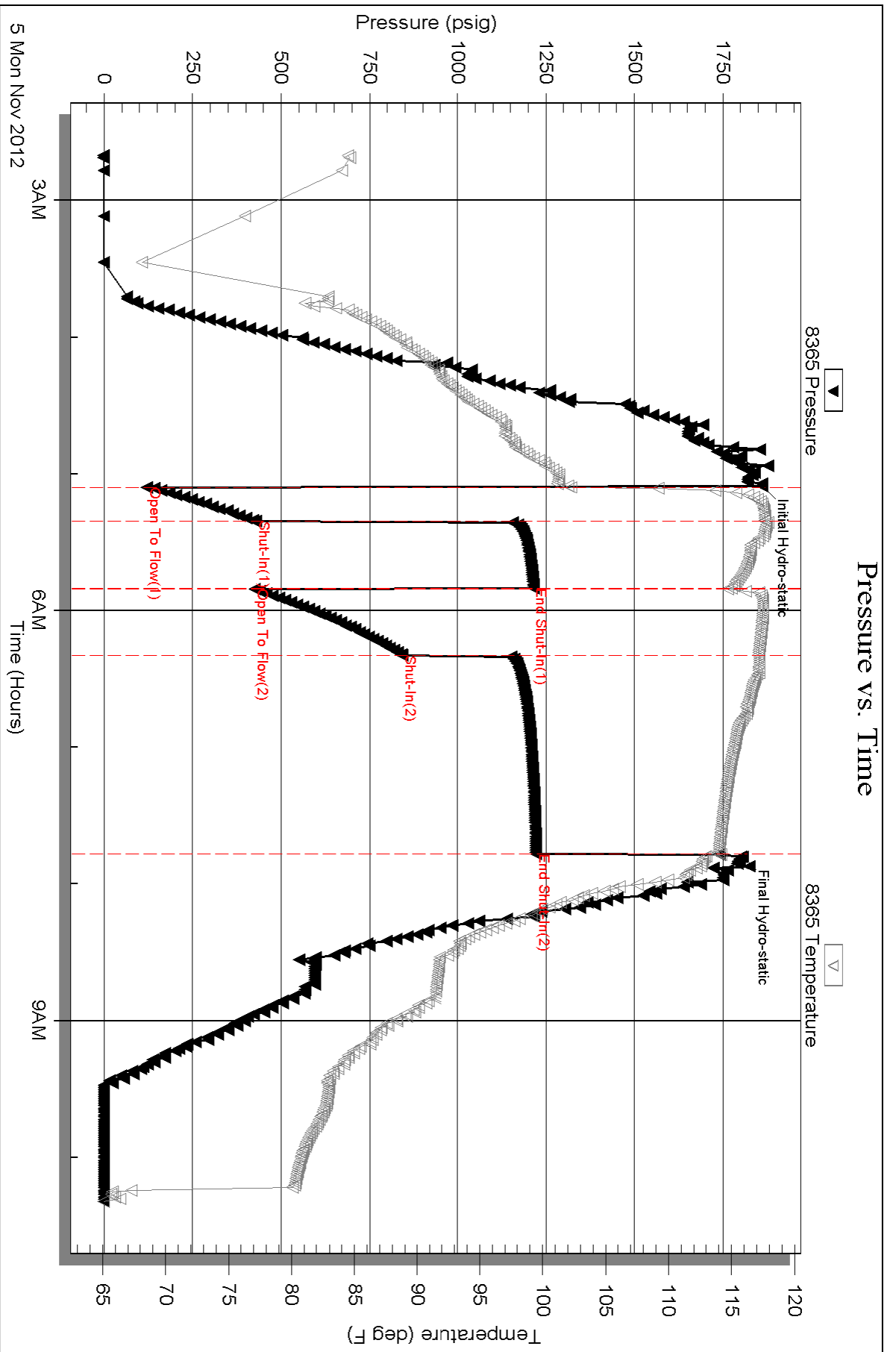
Recovery Comments: RW= .325 @ 52.2*=32,000 ppm

Serial #: 8365

Outside Shakespeare Oil Company, Inc

Younkin 1 36

DST Test Number: 1





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Company, Inc

26-13-34 Logan Co KS

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

Younklin 1 36

Job Ticket: 49867

DST#: 2

Test Start: 2012.11.06 @ 01:37:15

GENERAL INFORMATION:

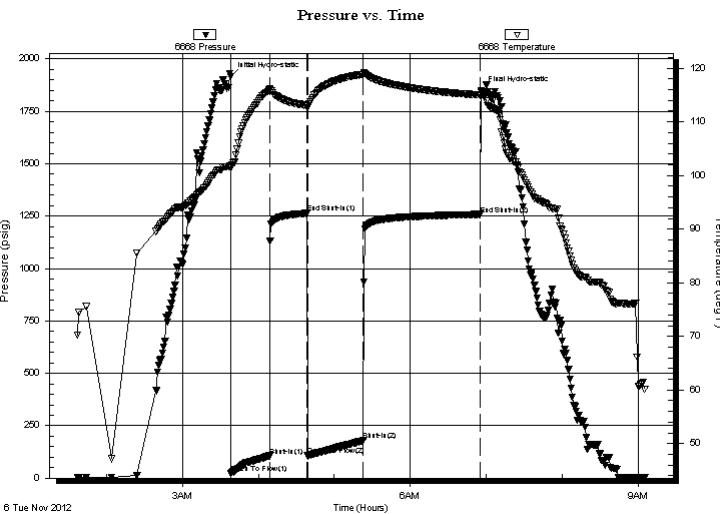
Formation: **H**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 03:38:15 Tester: Mike Roberts
 Time Test Ended: 09:06:00 Unit No: 65
 Interval: **3948.00 ft (KB) To 3985.00 ft (KB) (TVD)** Reference Elevations: 2885.00 ft (KB)
 Total Depth: 3985.00 ft (KB) (TVD) 2880.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 5.00 ft

Serial #: 6668

Inside

Press @ Run Depth: 179.05 psig @ 3949.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.11.06 End Date: 2012.11.06 Last Calib.: 2012.11.07
 Start Time: 01:37:15 End Time: 09:06:00 Time On Btm: 2012.11.06 @ 03:38:00
 Time Off Btm: 2012.11.06 @ 06:56:00

TEST COMMENT: IF:BOB in 26 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	1916.45	101.83	Initial Hydro-static
1	22.62	101.35	Open To Flow (1)
31	106.12	115.94	Shut-In(1)
61	1263.66	113.03	End Shut-In(1)
61	107.24	112.65	Open To Flow (2)
105	179.05	118.85	Shut-In(2)
198	1258.63	115.00	End Shut-In(2)
198	1848.07	114.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
369.00	sw 100% sw	4.07

* 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 Company, Inc

26-13-34 Logan Co KS

202 W. Main St.
Salem IL
62881

Younklin 1 36

Job Ticket: 49867

DST#: 2

ATTN: Tim Priest

Test Start: 2012.11.06 @ 01:37:15

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:

33000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

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
369.00	sw 100% sw	4.074

Total Length: 369.00 ft Total Volume: 4.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

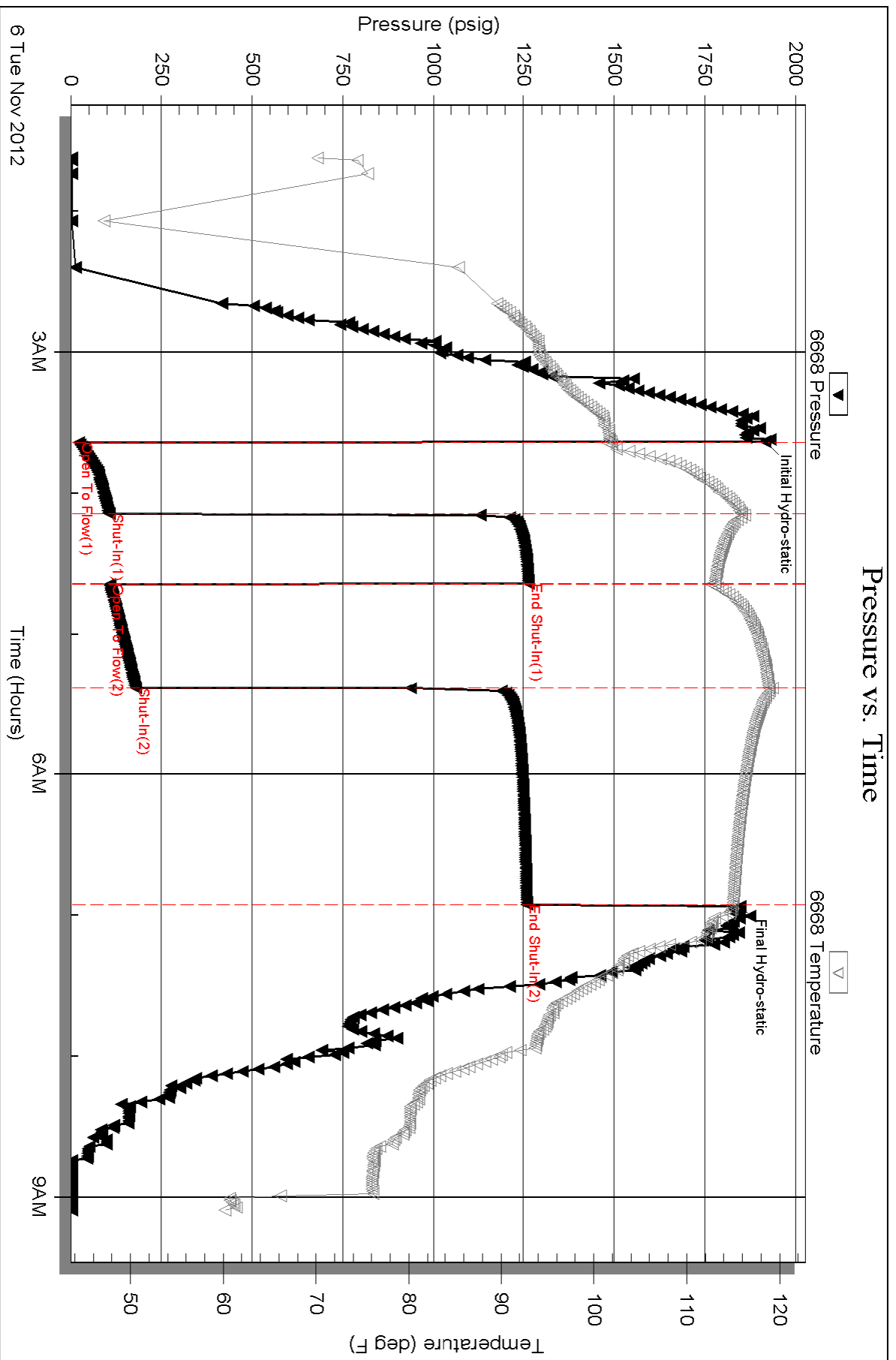
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW=.329@54.2=33,000 ppm

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil Company, Inc

26-13-34 Logan Co KS

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

Younklin 1 36

Job Ticket: 49868

DST#: 3

Test Start: 2012.11.07 @ 19:23:15

GENERAL INFORMATION:

Formation: **I**
 Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Bottom Hole (Reset)**
 Time Tool Opened: **21:20:00** Tester: **Mike Roberts**
 Time Test Ended: **01:03:15** Unit No: **65**
Interval: 3982.00 ft (KB) To 4015.00 ft (KB) (TVD) Reference Elevations: **2885.00 ft (KB)**
 Total Depth: **4015.00 ft (KB) (TVD)** **2880.00 ft (CF)**
 Hole Diameter: **7.88 inches** Hole Condition: **Poor** KB to GR/CF: **5.00 ft**

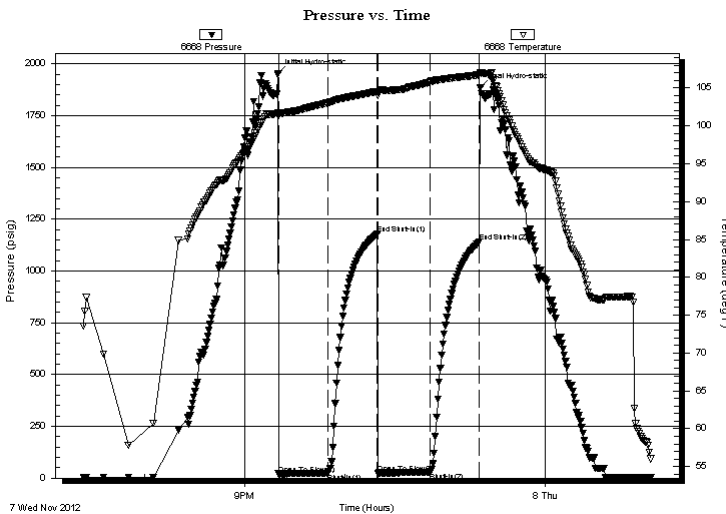
Serial #: 6668

Inside

Press @ Run Depth: **27.88 psig @ 3983.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2012.11.07** End Date: **2012.11.08** Last Calib.: **2012.11.08**
 Start Time: **19:23:15** End Time: **01:03:15** Time On Btm: **2012.11.07 @ 21:19:45**
 Time Off Btm: **2012.11.07 @ 23:21:00**

TEST COMMENT: IF:Weak surface blow died in 18 min.
 IS:No return blow
 FF:No blow
 FS:No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1954.07	101.80	Initial Hydro-static
1	20.29	101.35	Open To Flow (1)
30	23.92	103.03	Shut-In(1)
60	1177.75	104.54	End Shut-In(1)
60	24.64	104.02	Open To Flow (2)
91	27.88	105.81	Shut-In(2)
121	1139.38	106.72	End Shut-In(2)
122	1883.81	107.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100% m	0.02

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 Company, Inc

26-13-34 Logan Co KS

202 W. Main St.
Salem IL
62881

Younkin 1 36

Job Ticket: 49868

DST#: 3

ATTN: Tim Priest

Test Start: 2012.11.07 @ 19:23:15

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: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
5.00	mud 100% m	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 #: 6668

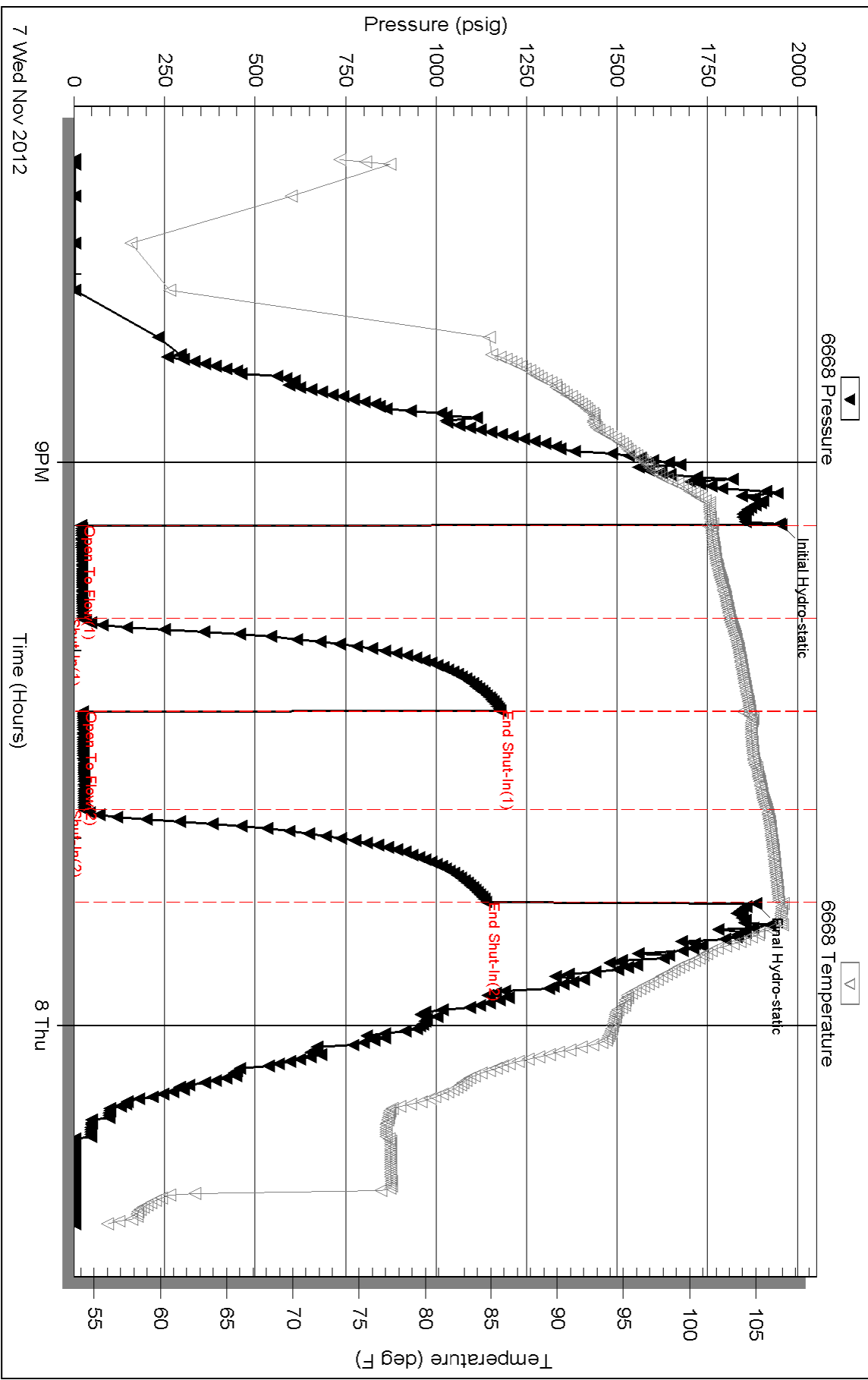
Inside

Shakespeare Oil Company, Inc

Younkin 1 36

DST Test Number: 3

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 49868

Printed: 2012.11.08 @ 07:40:29



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Company, Inc

26-13-34 Logan Co KS

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

Younklin 1 36

Job Ticket: 49869

DST#: 4

Test Start: 2012.11.08 @ 08:03:15

GENERAL INFORMATION:

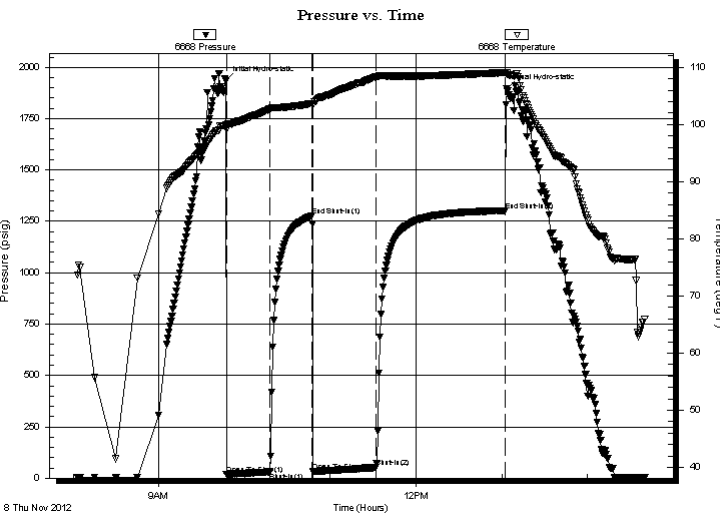
Formation: **J**
 Deviated: **No** Whipstock: **ft (KB)**
 Time Tool Opened: 09:47:15
 Time Test Ended: 14:40:30
 Interval: **4014.00 ft (KB) To 4035.00 ft (KB) (TVD)**
 Total Depth: **4035.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Poor**
 Test Type: **Conventional Bottom Hole (Reset)**
 Tester: **Mike Roberts**
 Unit No: **65**
 Reference Elevations: **2885.00 ft (KB)**
2880.00 ft (CF)
 KB to GR/CF: **5.00 ft**

Serial #: 6668

Inside

Press @ Run Depth: **50.96 psig @ 4015.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2012.11.08** End Date: **2012.11.08** Last Calib.: **2012.11.08**
 Start Time: **08:03:15** End Time: **14:40:30** Time On Btm: **2012.11.08 @ 09:47:00**
 Time Off Btm: **2012.11.08 @ 13:03:30**

TEST COMMENT: IF: Built to 1/2" blow
 IS: No return blow
 FF: Built to 1/4" blow
 FS: No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1933.63	100.01	Initial Hydro-static
1	18.61	99.19	Open To Flow (1)
31	30.78	102.70	Shut-In(1)
61	1276.48	103.69	End Shut-In(1)
61	32.10	103.30	Open To Flow (2)
105	50.96	108.36	Shut-In(2)
196	1302.49	109.11	End Shut-In(2)
197	1898.22	108.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	sw cm 5%sw 95%m	0.30

* 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 Company, Inc

26-13-34 Logan Co KS

202 W. Main St.
Salem IL
62881

Younkin 1 36

Job Ticket: 49869

DST#: 4

ATTN: Tim Priest

Test Start: 2012.11.08 @ 08:03:15

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:

33000 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	sw cm 5%sw 95%m	0.295

Total Length: 60.00 ft Total Volume: 0.295 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

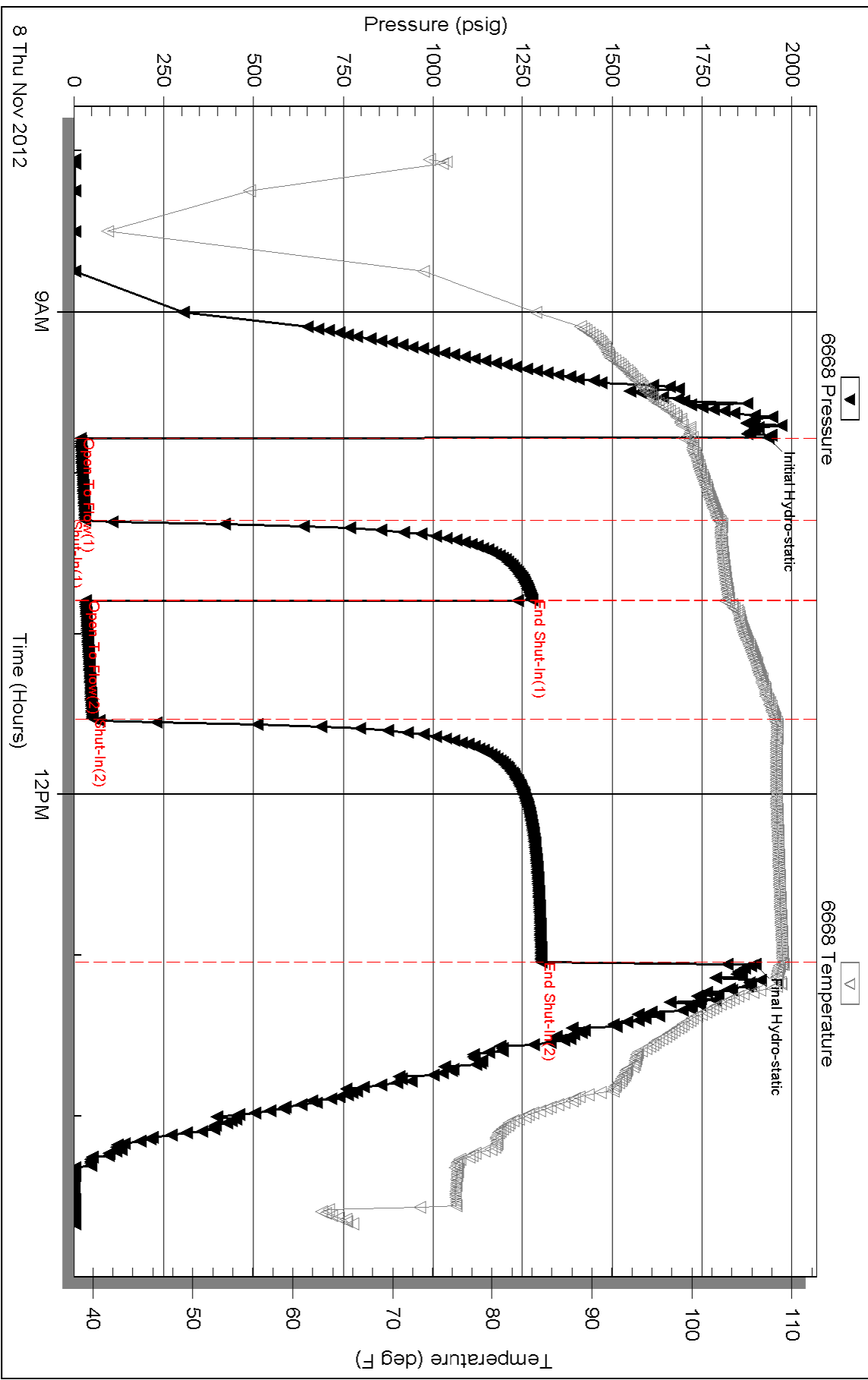
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW=.341 @72.4= 33,000 ppm

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil Company, Inc

26-13-34 Logan Co KS

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

Younklin 1 36

Job Ticket: 49870

DST#: 5

Test Start: 2012.11.08 @ 22:35:15

GENERAL INFORMATION:

Formation: **K**
 Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Bottom Hole (Reset)**
 Time Tool Opened: **00:35:30** Tester: **Mike Roberts**
 Time Test Ended: **04:57:15** Unit No: **65**
Interval: 4037.00 ft (KB) To 4060.00 ft (KB) (TVD) Reference Elevations: **2885.00 ft (KB)**
 Total Depth: **4060.00 ft (KB) (TVD)** **2880.00 ft (CF)**
 Hole Diameter: **7.88 inches** Hole Condition: **Poor** KB to GR/CF: **5.00 ft**

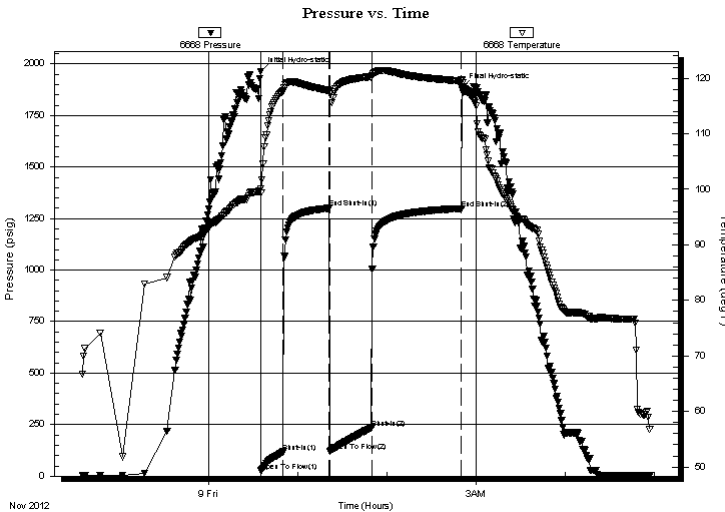
Serial #: 6668

Inside

Press @ Run Depth: **234.62 psig @ 4038.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2012.11.08** End Date: **2012.11.09** Last Calib.: **2012.11.09**
 Start Time: **22:35:15** End Time: **04:57:15** Time On Btm: **2012.11.09 @ 00:35:15**
 Time Off Btm: **2012.11.09 @ 02:50:30**

TEST COMMENT: IF:BOB in 10 min
 IS:No return blow
 FF:BOB in 11 min
 FS:No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1964.78	100.04	Initial Hydro-static
1	25.14	99.31	Open To Flow (1)
15	117.71	117.65	Shut-In(1)
46	1300.55	117.77	End Shut-In(1)
47	121.14	117.19	Open To Flow (2)
75	234.62	120.23	Shut-In(2)
135	1298.67	119.50	End Shut-In(2)
136	1887.13	119.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
493.00	sw 100%sw	5.81

* 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 Company, Inc

26-13-34 Logan Co KS

202 W. Main St.
Salem IL
62881

Younkin 1 36

Job Ticket: 49870

DST#: 5

ATTN: Tim Priest

Test Start: 2012.11.08 @ 22:35:15

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:

33500 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
493.00	sw 100%sw	5.813

Total Length: 493.00 ft Total Volume: 5.813 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= 43.2 @ 37.8*= 33,500 ppm

Serial #: 6668

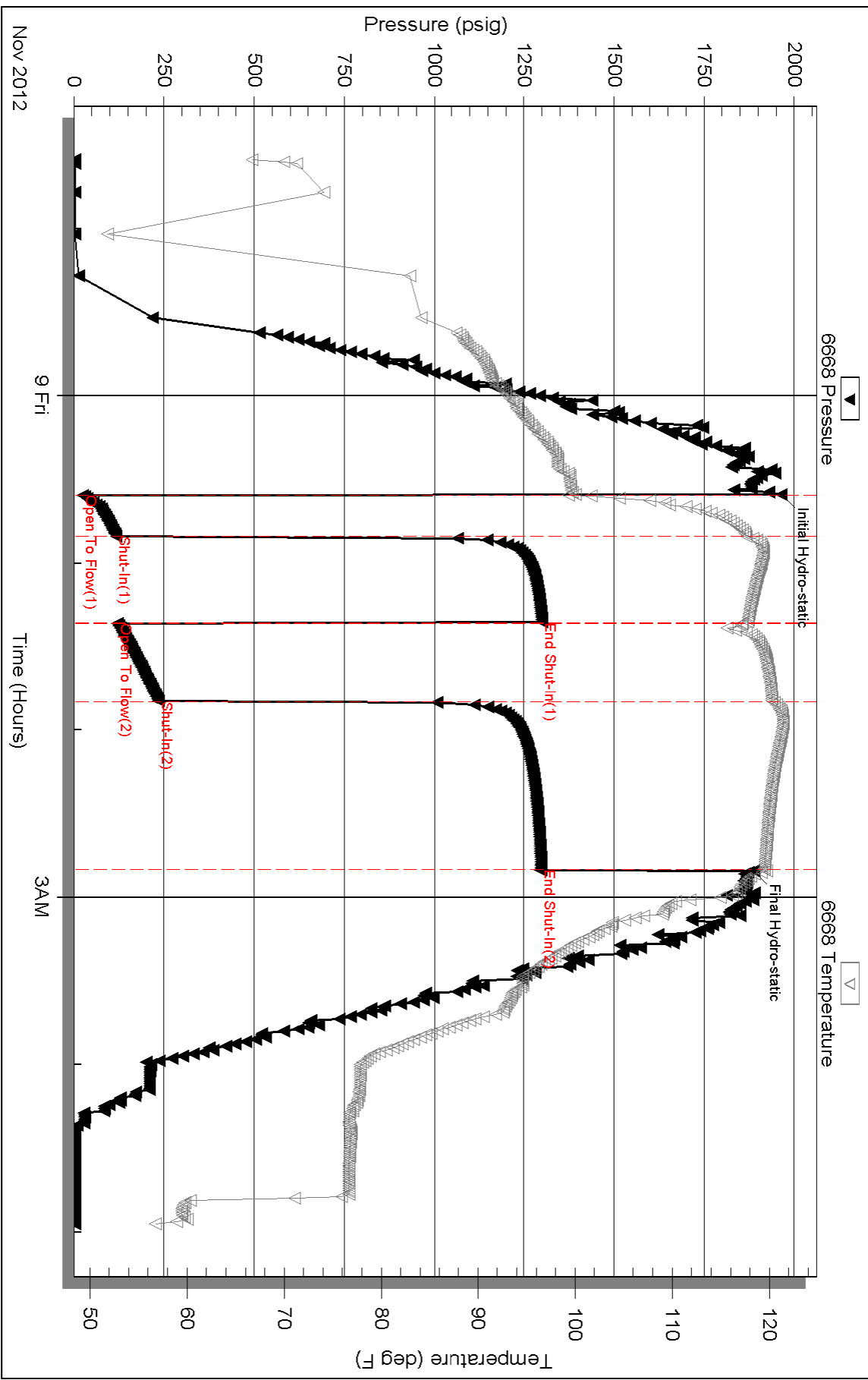
Inside

Shakespeare Oil Company, Inc

Younkin 1 36

DST Test Number: 5

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 49870

Printed: 2012.11.09 @ 05:20:44



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil Company, Inc

26-13-34 Logan Co KS

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

Younklin 1 36

Job Ticket: 49871

DST#: 6

Test Start: 2012.11.09 @ 00:02:15

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:56:45

Time Test Ended: 05:36:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

Interval: 4156.00 ft (KB) To 4195.00 ft (KB) (TVD)

Reference Elevations: 2885.00 ft (KB)

Total Depth: 4195.00 ft (KB) (TVD)

2880.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 5.00 ft

Serial #: 6668 Outside

Press @ Run Depth: 23.22 psig @ 4158.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.11.09

End Date:

2012.11.09

Last Calib.: 2012.11.10

Start Time: 00:02:15

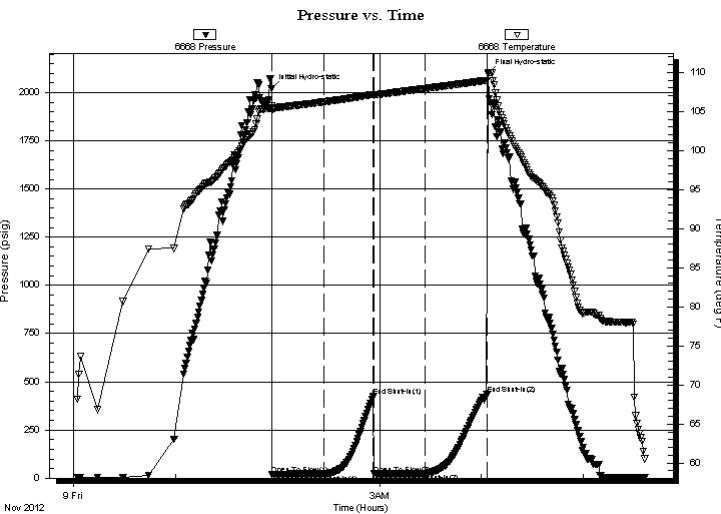
End Time:

05:36:30

Time On Btm: 2012.11.09 @ 01:56:15

Time Off Btm: 2012.11.09 @ 04:03:45

TEST COMMENT: IF:Weak surface blow
IS:No return blow
FF:No blow
FS:No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2021.55	105.66	Initial Hydro-static
1	20.19	105.16	Open To Flow (1)
31	22.07	106.22	Shut-In(1)
60	423.37	107.16	End Shut-In(1)
61	21.64	107.03	Open To Flow (2)
91	23.22	107.93	Shut-In(2)
127	433.19	108.97	End Shut-In(2)
128	2100.08	109.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	mud 100% m	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 Company, Inc

26-13-34 Logan Co KS

202 W. Main St.
Salem IL
62881

Younkin 1 36

Job Ticket: 49871

DST#: 6

ATTN: Tim Priest

Test Start: 2012.11.09 @ 00:02:15

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: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.12 in³

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
2.00	mud 100% m	0.010

Total Length: 2.00 ft Total Volume: 0.010 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

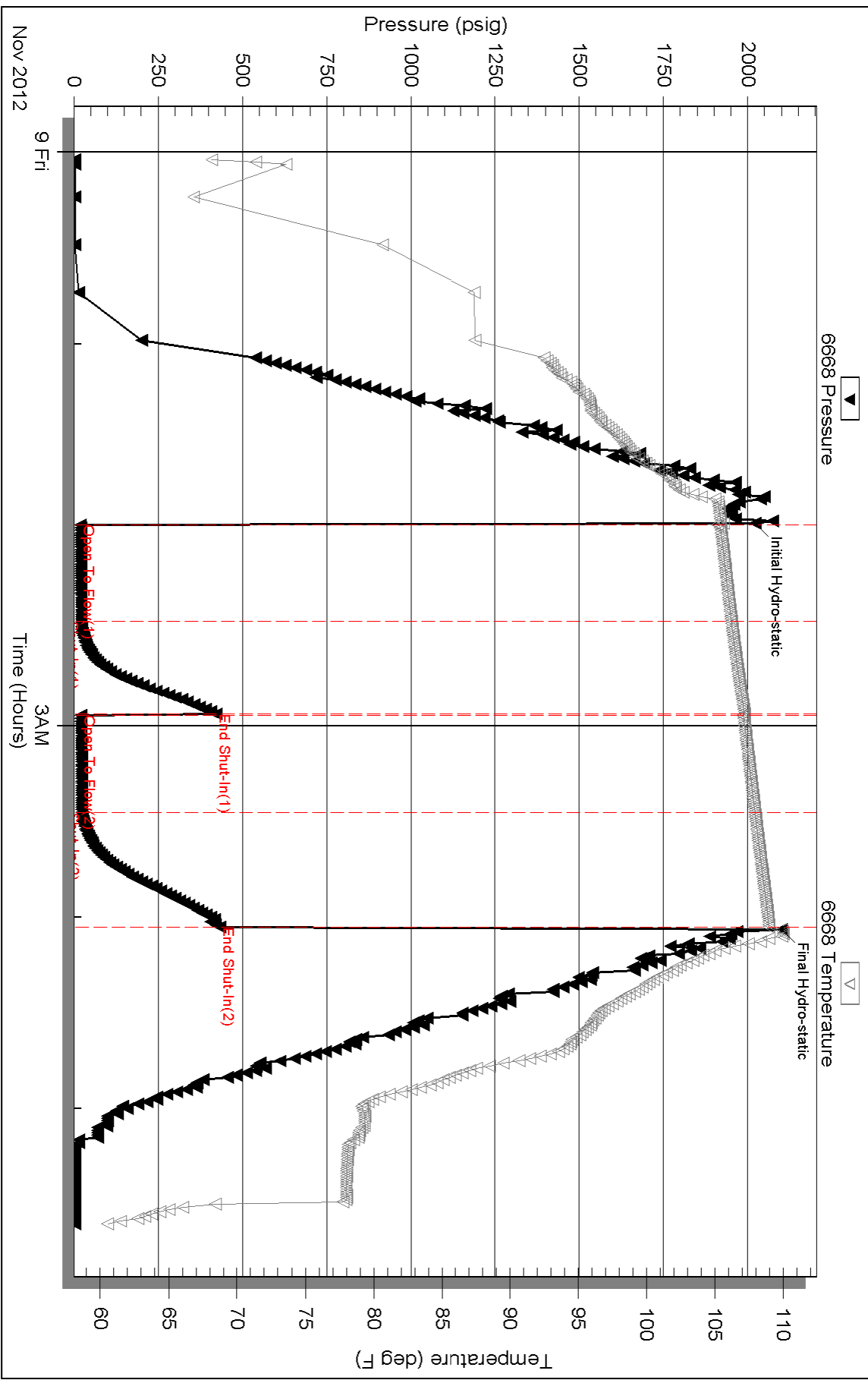
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

COMPANY **SHAKESPARE OIL CO.**
 LEASE **YOUNKIN L-36**
 FIELD **Whitetail**
 LOCATION **3351 FWL, 1100' FWL**
 SEC **36** T1MSP **13S** RGE **34W**
 COUNTY **Logan** STATE **Kansas**

CONTRACTOR **HD Drilling Rig #2**
 SPUD **11-1-12** COMP **11-12-12**
 RTD **4550'** LTD **4550'**
 MUD UP **3500'** TYPE MUD **Chemical**
 SAMPLES SAVED FROM **3600'** to RTD
 DRILLING TIME KEPT FROM **3600'** to RTD
 SAMPLES EXAMINED FROM **3600'** to RTD
 GEOLOGICAL SUPERVISION FROM **3600'** to RTD
 GEOLOGIST ON WELL **Tim Priest**

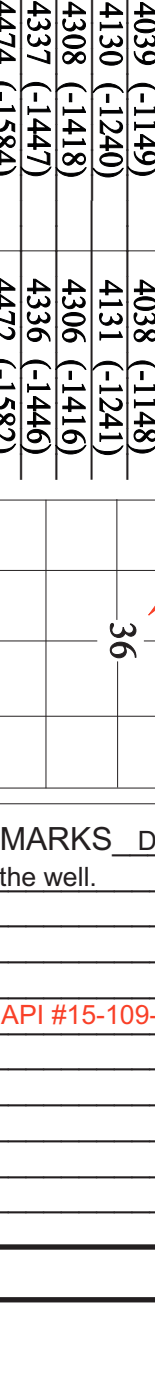
EL ELEVATIONS
 2890'
 2880'
 From **KB**
 Measurements Are All

CASING
 N/A
 CONDUCTION **N/A**
 SURFACE **8-5/8" @ 222'**
 PRODUCTION

ELECTRICAL SURVEYS
 CND/D/SP/P.E.
 Micro
 By: **Weatherford**

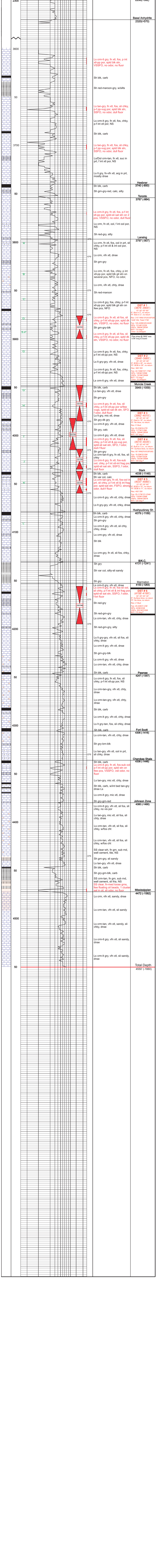
FORMATION TOPS

FORMATION TOPS	ELECTRIC LOG	SAMPLE
Anyvrite	2298 (-1592)	2298 (+592)
Heebner Shale	3738 (-948)	3740 (-907)
Austin	3798 (-908)	3797 (-907)
SARC	4039 (-1149)	4038 (-1148)
BRC	4130 (-1240)	4131 (-1241)
Fort Scott	4308 (-1418)	4306 (-1416)
Cherokee Shale	4337 (-1447)	4336 (-1446)
Mississippian	4474 (-1584)	4472 (-1582)



REMARKS Due to the negative results on drill stem tests and lack of shows, it was decided to plug and abandon the well.

Respectfully Submitted,
 Tim Priest
 Petroleum Geologist
 API #15-109-21135-00-00





PO Box 93999
Southlake, TX 76092

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

INVOICE

Invoice Number: 133412
Invoice Date: Nov 1, 2012
Page: 1



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

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Shak	Younkin #1-36	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Nov 1, 2012	12/1/12

Quantity	Item	Description	Unit Price	Amount
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
227.91	SER	Ton Mileage	2.60	592.59
1.00	SER	Surface	1,512.25	1,512.25
28.00	SER	Pump Truck Mileage	7.70	215.60
1.00	SER	Manifold Swedge Rental	275.00	275.00
28.00	SER	Light Vehicle Mileage	4.40	123.20
1.00	CEMENTER	Darren Racette		
1.00	EQUIP OPER	Tyler Flipse		
1.00	OPER ASSIST	Brandon Wilkinson		

INT

RECEIVED
NOV 19 2012

DW

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

\$1642.20

ONLY IF PAID ON OR BEFORE
Nov 26, 2012

Subtotal	6,568.82
Sales Tax	265.80
Total Invoice Amount	6,834.62
Payment/Credit Applied	
TOTAL	6,834.62

ALLIED CEMENTING CO., LLC. 035959

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT

Oakley

DATE <u>11-1-12</u>	SEC <u>36</u>	TWP <u>13</u>	RANGE <u>34</u>	CALLED OUT	ON LOCATION	JOB START <u>6:00 PM</u>	JOB FINISH <u>6:50 PM</u>
LEASER <u>Chankin</u>	WELL # <u>1-36</u>	LOCATION <u>Monument Sta Phins Rd.</u>			COUNTY <u>Logan</u>	STATE <u>Ks</u>	
OLD OR NEW (Circle one) <u>NEW</u>				<u>2W-25-5 To Rly</u>		<u>1.01</u>	

CONTRACTOR HD #2

TYPE OF JOB Surface

HOLE SIZE 12 1/4 TD. 225

CASING SIZE 8 5/8 DEPTH 225.45

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MHAS. LINE SHOE JOINT

CEMENT LEFT IN CSO. 15'

PBRES.

DISPLACEMENT 13.86

OWNER Same

CEMENT AMOUNT ORDERED 165 SKS Cement 3% CC

2% Gel

COMMON	<u>165 SKS</u>	<u>@ 17.70</u>	<u>\$ 2953.50</u>
POZMIX			
GBL	<u>3 SKS</u>	<u>@ 23.40</u>	<u>\$ 70.20</u>
CHLORIDE	<u>6 SKS</u>	<u>@ 64.00</u>	<u>\$ 384.00</u>
ASC			

EQUIPMENT

PUMP TRUCK # 428-281 CEMENTER Darren Racette

BULK TRUCK # 347 DRIVER Brandon Wilkinson

HANDLING	<u>128.42</u>	<u>@ 2.48</u>	<u>\$ 318.47</u>
MILEAGE	<u>8.14</u>	<u>X 28</u>	<u>\$ 227.92</u>
TOTAL			<u>\$ 546.39</u>

REMARKS:

Mix 165SKS Cement

Displace with water

Cement Circulated

Thank You

CHARG TO: Shakespeare

STREET

CITY STATE ZIP

SERVICE

DEPTH OF JOB 225.45'

PUMP TRUCK CHARGE \$ 1512.35

EXTRA FOOTAGE

MILEAGE 28 @ 7.70 \$ 215.60

MANIFOLD Suledge @ 275.00

LV mileage @ 4.40 \$ 123.20

TOTAL \$ 2126.05

PLUG & FLOAT EQUIPMENT

TOTAL

To Allied Cementing Co., 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 Doug Roberts

SIGNATURE Doug Roberts

SALES TAX (if Any) 265.80

TOTAL CHARGES 6568.82

DISCOUNT 1612.20 IF PAID IN 30 DAYS

25%



PO Box 93999
Southlake, TX 76092

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

INVOICE

Invoice Number: 133632
Invoice Date: Nov 12, 2012
Page: 1

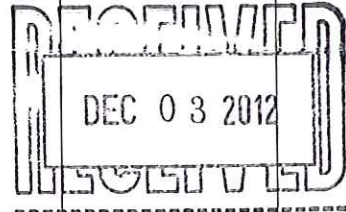


Bill To:
Shakespeare Oil Co., Inc. 202 West Main St. Salem, IL 62881

Customer ID	Well Name/# or Customer P.O.	Payment Terms	
Shak	Younkin #1-36	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-03	Oakley	Nov 12, 2012	12/12/12

Quantity	Item	Description	Unit Price	Amount
123.00	MAT	Class A Common	17.90	2,201.70
82.00	MAT	Pozmix	9.35	766.70
7.00	MAT	Gel	23.40	163.80
50.00	MAT	Flo Seal	2.97	148.50
220.16	SER	Cubic Feet	2.48	545.99
257.31	SER	Ton Mileage	2.60	669.03
1.00	SER	Plug to Abandon	2,483.59	2,483.59
28.00	SER	Pump Truck Mileage	7.70	215.60
28.00	SER	Light Vehicle Mileage	4.40	123.20
1.00	EQP	8.5/8 Dry Hole Plug	107.64	107.64
1.00	CEMENTER	Andrew Forslund		
1.00	EQUIP OPER	Dane Retzloff		
1.00	OPER ASSIST	Chris Helpingstine		

INT



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

\$ 2227.72

ONLY IF PAID ON OR BEFORE
Dec 7, 2012

Subtotal	7,425.75
Sales Tax	579.21
Total Invoice Amount	8,004.96
Payment/Credit Applied	
TOTAL	8,004.96

DW

ALLIED OIL & GAS SERVICES, LLC 050970

Federal Tax I.D.# 20-5975804

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

SERVICE POINT: Oakley

DATE <u>11-12-12</u>	SEC. <u>36</u>	TWP. <u>13</u>	RANGE <u>04</u>	CALLED OUT	ON LOCATION	JOB START <u>3:30 p.m.</u>	JOB FINISH <u>4:30 p.m.</u>
WELL # <u>Younkin</u>	WELL # <u>1-36</u>	LOCATION <u>monument S 70</u>		COUNTY <u>Logan</u>	STATE <u>KS</u>		
OLD OR (NEW) (Circle one)		<u>Plains Rd 2w 2s E1 N10</u>				<u>1,03</u>	<u>7.8</u>

CONTRACTOR <u>H D # 2</u>	OWNER <u>same</u>
TYPE OF JOB <u>PTA</u>	
HOLE SIZE <u>2 7/8</u>	TD. <u>4550</u>
CASING SIZE	DEPTH
TUBING SIZE	DEPTH
DRILL PIPE <u>4 1/2</u>	DEPTH <u>2300'</u>
TOOL	DEPTH
PRES. MAX	MINIMUM
WEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS.	
DISPLACEMENT	

CEMENT AMOUNT ORDERED 205 sks 6940 4896
14 PLO 4524

COMMON	<u>123 sks</u>	@ <u>12.90</u>	<u>2801.70</u>
POZMIX	<u>88 sks</u>	@ <u>9.35</u>	<u>766.20</u>
GEL	<u>7 sks</u>	@ <u>23.40</u>	<u>163.80</u>
CHLORIDE		@	
ASC		@	
<u>Flo-Seal 50"</u>		@ <u>2.97</u>	<u>148.50</u>

EQUIPMENT

PUMP TRUCK	CEMENTER <u>Andrew</u>	<u>1</u>
<u>431</u>	HELPER <u>Dane</u>	<u>2</u>
BULK TRUCK	DRIVER <u>Christ</u>	<u>3</u>
<u>023</u>		
BULK TRUCK	DRIVER	
<u>1</u>		

HANDLING 220.16 cu/ft @ 2.48 545.99
MILBAG 2.60 70/mile 9,197m 669.03

257.31 TOTAL 4495.72
SERVICE

REMARKS:
25 sks @ 2300'
100 sks @ 1280'
40 sks @ 220'
10 sks @ 40'
830 sks Ret hole

DEPTH OF JOB	<u>2300'</u>
PUMP TRUCK CHARGE	<u>2483.59</u>
EXTRA FOOTAGE	@
MILBAG <u>28 miles</u>	@ <u>2.20</u> <u>25.60</u>
MANIFOLD	@
<u>light vehicle</u>	@ <u>440</u> <u>123.20</u>

TOTAL 2822.39

CHARGE TO: Shakespeare oil & Gas

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

<u>858</u>	
<u>1 Dry hole plug</u>	@ <u>107.64</u>
	@
	@
	@
	@

579.20 TOTAL 107.64

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) 5.1162

TOTAL CHARGES 7425.75

DISCOUNT 2183.17 IF PAID IN 30 DAYS

PRINTED NAME Bialberts

SIGNATURE Bialberts

5094.08 Less. 2227.72

3070 net 5198.03

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

December 06, 2012

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

Re: ACO1
API 15-109-21135-00-00
Younkin 1-36
NW/4 Sec.36-13S-34W
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