



KANSAS CORPORATION COMMISSION 1069690  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

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
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date      Date Reached TD      Completion Date or Recompletion Date

API No. 15 - \_\_\_\_\_

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

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

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

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

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

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

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

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

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

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

Total 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**

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



1069690

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

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

**INSTRUCTIONS:** Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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
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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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Ottley 2-15
Doc ID	1069690

All Electric Logs Run

DIL/GR
CDL
CNL
ML
Sonic
CBL/GR

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Ottley 2-15
Doc ID	1069690

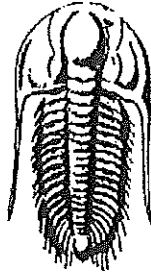
Tops

Name	Top	Datum
Base Anhydrite	2218	+529
Heebner	3699	-952
Lansing	3737	-990
Muncie Creek	3898	-1151
Stark Shale	3994	-1247
BKC	4088	-1341
Cherokee Shale	4280	-1533
Johnson	4322	-1575
Mississippian	4380	-1633

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Ottley 2-15
Doc ID	1069690

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	Morrow	1000 gal 7.5% MCA	4354-60, 4372-79
4	LKC "J"	250 gal 15% MCA	3971-79
4	LKC "I"	250 gal 15% MCA	3948-58
4	LKC "H"	250 gal 15% MCA	3914-18
4	LKC "C"	250 gal 15% MCA	3788-90
4	LKC "B"	250 gal 15% RWR-1	3774-78



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co**

202 W Main St  
Salem, IL 62881

ATTN: Steve Davis

**15-14s-32w Logan, Ks**

**Ottley #2-15**

Start Date: 2009.06.15 @ 18:20:08

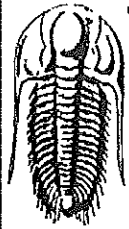
End Date: 2009.06.16 @ 03:10:17

Job Ticket #: 34758                      DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Shakespeare Oil Co  
202 W Main St  
Salem, IL 62881  
ATTN: Steve Davis

**Ottley #2-15**  
**15-14s-32w Logan, Ks**  
Job Ticket: 34758      DST#: 1  
Test Start: 2009.06.15 @ 18:20:08

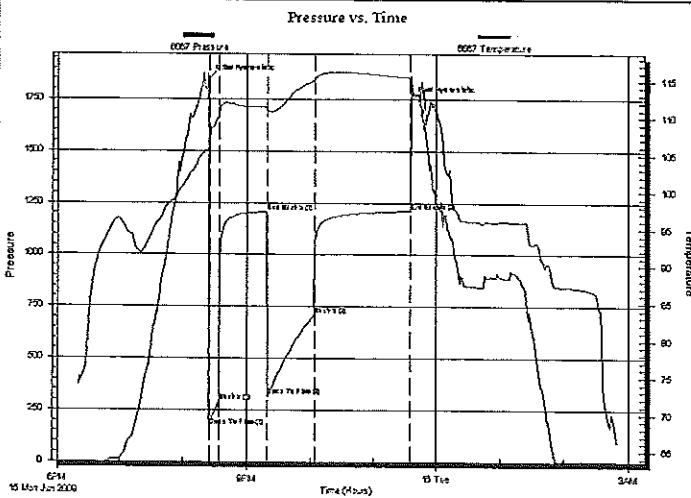
## GENERAL INFORMATION:

Formation: **B-F**  
Deviated: **No Whipstock:**                      ft (KB)  
Time Tool Opened: 20:24:33  
Time Test Ended: 03:10:17  
Interval: **3762.00 ft (KB) To 3838.00 ft (KB) (TVD)**  
Total Depth: **3838.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Fair**  
Reference Elevations: **3747.00 ft (KB)**  
**3738.00 ft (CF)**  
KB to GR/CF: **9.00 ft**

Test Type: **Conventional Bottom Hole**  
Tester: **Shane McBride**  
Unit No: **40**

**Serial #: 6667**      **Inside**  
Press@RunDepth: **708.69 psig @ 3763.00 ft (KB)**  
Start Date: **2009.06.15**      End Date: **2009.06.16**      Capacity: **7000.00 psig**  
Start Time: **18:20:08**      End Time: **02:49:17**      Last Calib.: **2009.06.16**  
Time On Btm: **2009.06.15 @ 20:24:03**  
Time Off Btm: **2009.06.15 @ 23:35:18**

**TEST COMMENT:** B.O.B. in 2 min.  
Return to B.O.B. in 30 min.  
B.O.B. @ open  
6" in return blow died in 75 min.



## PRESSURE SUMMARY

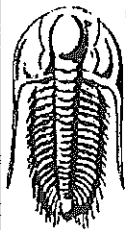
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1846.77	105.92	Initial Hydro-static
1	172.32	105.54	Open To Flow (1)
10	292.60	110.07	Shut-In (1)
55	1206.58	111.43	End Shut-In (1)
55	318.93	111.20	Open To Flow (2)
100	708.69	115.00	Shut-In (2)
191	1210.32	115.39	End Shut-In (2)
192	1746.08	115.56	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
124.00	g o & m c w 10g 10o 15m 65w under circ 0.61	
372.00	g o c w 15g 40o 45w reversed	4.65
620.00	g w c o 20g 20w 60o reversed	8.70
620.00	c g o 20g 80o reversed	8.70
124.00	c g o 20g 80o	1.74
0.00	1054' gas in pipe	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co

Ottley #2-15

202 W Main St  
Salem, IL 62881

15-14s-32w Logan, Ks

ATTN: Steve Davis

Job Ticket: 34758 . DST#: 1

Test Start: 2009.06.15 @ 18:20:08

### Tool Information

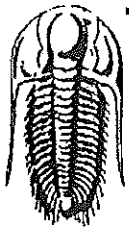
Drill Pipe:	Length: 3554.00 ft	Diameter: 3.80 inches	Volume: 49.85 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 186.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 50.76 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	3762.00 ft			Final 73000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	76.00 ft			
Tool Length:	103.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3736.00	
Shut In Tool	5.00			3741.00	
Hydraulic tool	5.00			3746.00	
Jars	5.00			3751.00	
Safety Joint	2.00			3753.00	
Packer	5.00			3758.00	27.00 Bottom Of Top Packer
Packer	4.00			3762.00	
Stubb	1.00			3763.00	
Recorder	0.00	6667	Inside	3763.00	
Recorder	0.00	6771	Outside	3763.00	
Perforations	7.00			3770.00	
Change Over Sub	1.00			3771.00	
Drill Pipe	61.00			3832.00	
Change Over Sub	1.00			3833.00	
Bullnose	5.00			3838.00	76.00 Bottom Packers & Anchor

**Total Tool Length: 103.00**





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co

Ottley #2-15

202 W Main St  
Salem, IL 62881

15-14s-32w Logan, Ks

Job Ticket: 34758

DST#: 1

ATTN: Steve Davis

Test Start: 2009.06.15 @ 18:20:08

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 36.5 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 31000 ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.74 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 5900.00 ppm		
Filter Cake: 2.00 inches		

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	g o & m c w 10g 10o 15m 65w under circ s	0.610
372.00	g o c w 15g 40o 45w reversed	4.653
620.00	g w c o 20g 20w 60o reversed	8.697
620.00	c g o 20g 80o reversed	8.697
124.00	c g o 20g 80o	1.739
0.00	1054' gas in pipe	0.000

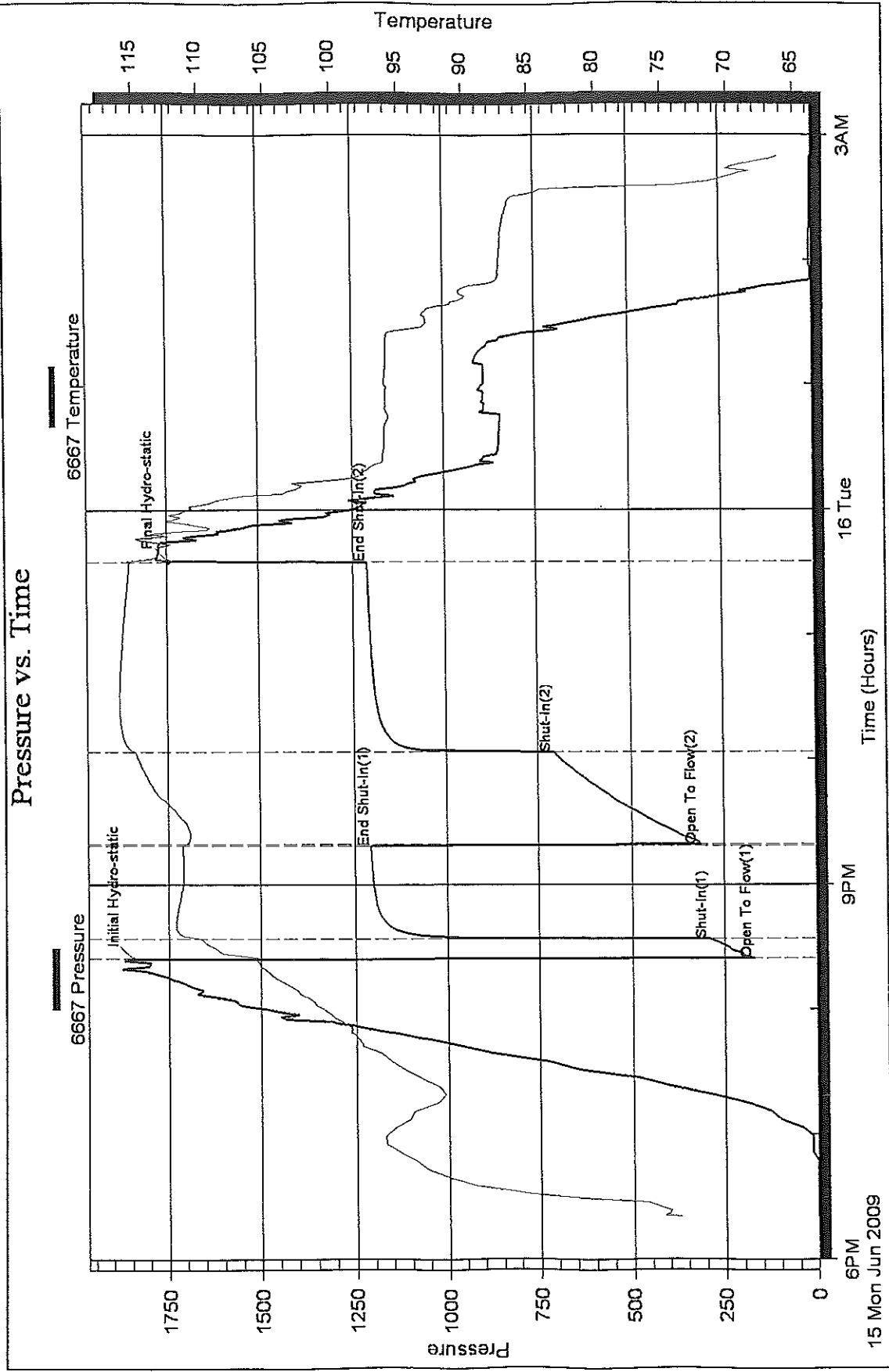
Total Length: 1860.00 ft      Total Volume: 24.396 bbl

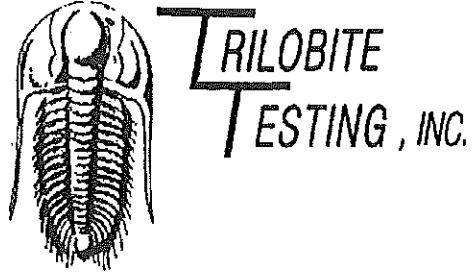
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments: rw .223 @ 70\*f = 31,000 chlor

### Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co**

202 W Main St  
Salem, IL 62881

ATTN: Steve Davis

**15-14s-32w Logan, Ks**

**Ottley #2-15**

Start Date: 2009.06.16 @ 18:55:56

End Date: 2009.06.17 @ 03:35:35

Job Ticket #: 34760                      DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Shakespeare Oil Co

Ottley #2-15

15-14s-32w Logan, Ks

DST # 2

H

2009.06.16



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co

Ottley #2-15

202 W Main St  
Salem, IL 62881

15-14s-32w Logan, Ks

ATTN: Steve Davis

Job Ticket: 34760

DST#: 2

Test Start: 2009.06.16 @ 18:55:56

## GENERAL INFORMATION:

Formation: H  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 20:51:21  
Time Test Ended: 03:35:35

Test Type: Conventional Bottom Hole  
Tester: Shane McBride  
Unit No: 40

Interval: 3900.00 ft (KB) To 3930.00 ft (KB) (TVD)  
Total Depth: 3930.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3747.00 ft (KB)  
3738.00 ft (CF)  
KB to GR/CF: 9.00 ft

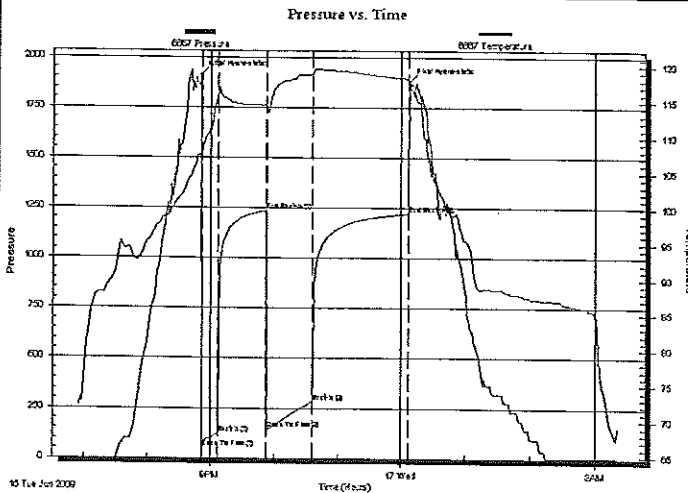
Serial #: 6667

Inside

Press@RunDepth: 284.25 psig @ 3901.00 ft (KB)  
Start Date: 2009.06.16 End Date: 2009.06.17  
Start Time: 18:55:56 End Time: 03:20:35

Capacity: 7000.00 psig  
Last Calib.: 2009.06.17  
Time On Btm: 2009.06.16 @ 20:51:06  
Time Off Btm: 2009.06.17 @ 00:07:36

TEST COMMENT: B.O.B. in 4 min.  
10" return blow  
B.O.B. @ open  
Return to B.O.B. in 20 min.



## PRESSURE SUMMARY

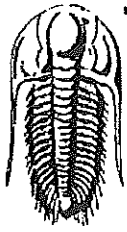
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1910.24	107.65	Initial Hydro-static
1	49.76	107.14	Open To Flow (1)
16	125.86	115.91	Shut-in(1)
62	1233.63	114.53	End Shut-in(1)
62	149.81	114.17	Open To Flow (2)
106	284.25	118.94	Shut-in(2)
196	1220.49	118.28	End Shut-in(2)
197	1878.17	117.74	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
124.00	g o c m 25g 20o 55m	0.61
124.00	g m c o 30g 35m 35o	1.17
496.00	c g o 30g 70o	6.96
0.00	1612' gas in pipe	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co

Ottley #2-15

202 W Main St  
Salem, IL 62881

15-14s-32w Logan, Ks

Job Ticket: 34760

DST#: 2

ATTN: Steve Davis

Test Start: 2009.06.16 @ 18:55:56

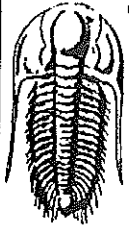
### Tool Information

Drill Pipe:	Length: 3709.00 ft	Diameter: 3.80 inches	Volume: 52.03 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 186.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 52.94 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	3900.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	57.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3874.00	
Shut In Tool	5.00			3879.00	
Hydraulic tool	5.00			3884.00	
Jars	5.00			3889.00	
Safety Joint	2.00			3891.00	
Packer	5.00			3896.00	27.00 Bottom Of Top Packer
Packer	4.00			3900.00	
Stubb	1.00			3901.00	
Recorder	0.00	6667	Inside	3901.00	
Recorder	0.00	6771	Outside	3901.00	
Perforations	24.00			3925.00	
Bullnose	5.00			3930.00	30.00 Bottom Packers & Anchor

**Total Tool Length: 57.00**



**TRILOBITE**  
TESTING, INC

# DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co

Ottley #2-15

202 W Main St  
Salem, IL 62881

15-14s-32w Logan, Ks

ATTN: Steve Davis

Job Ticket: 34760

DST#: 2

Test Start: 2009.06.16 @ 18:55:56

## Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 47.00 sec/qt

Water Loss: 7.15 in<sup>3</sup>

Resistivity: 0.00 ohm.m

Salinity: 10400.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

34 deg API

Water Salinity:

0 ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	g o c m 25g 20o 55m	0.610
124.00	g m c o 30g 35m 35o	1.175
496.00	c g o 30g 70o	6.958
0.00	1612' gas in pipe	0.000

Total Length: 744.00 ft

Total Volume: 8.743 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

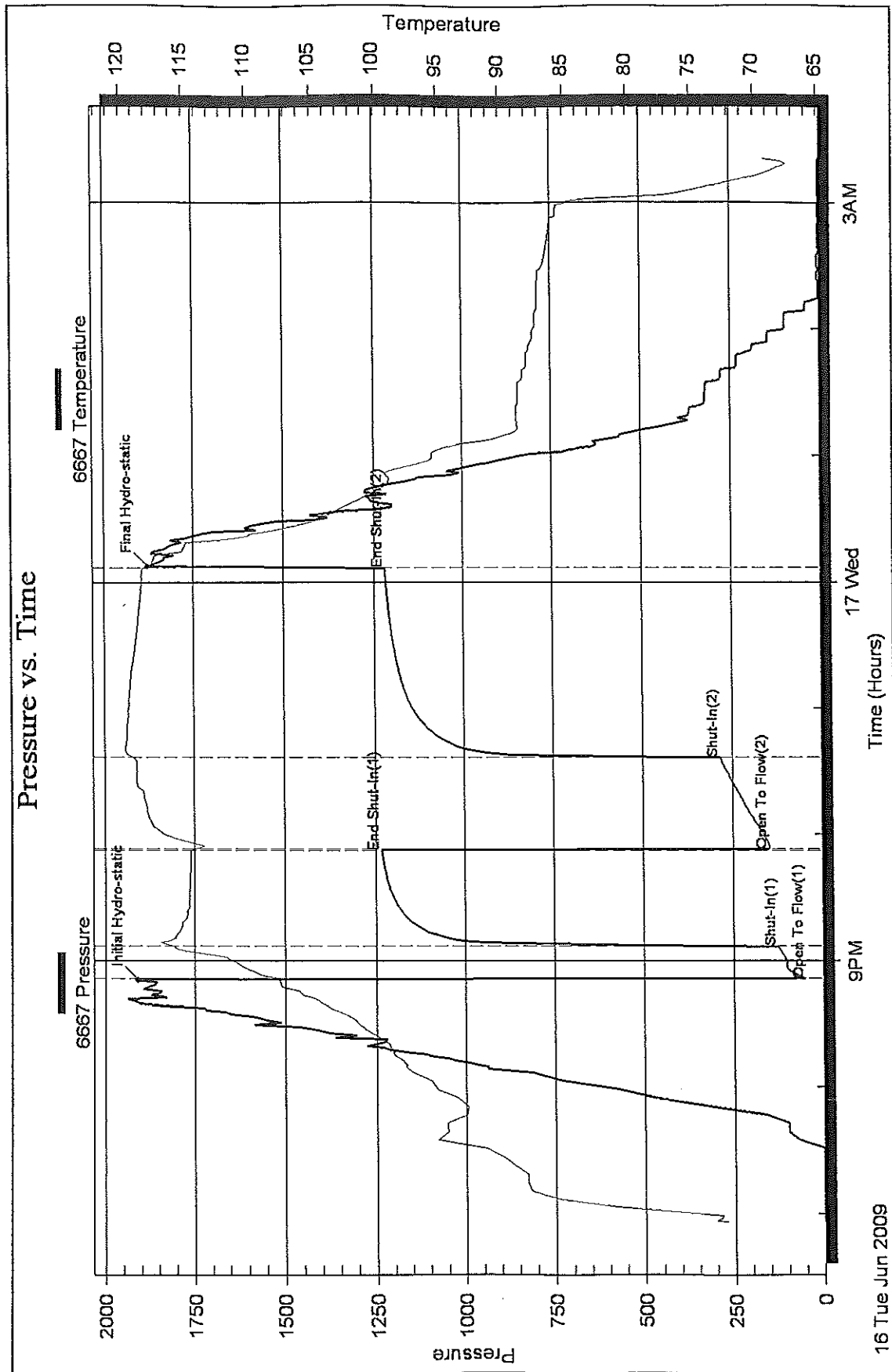
Serial #:

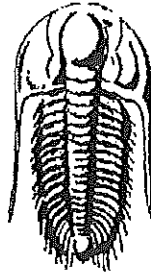
Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time





**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co**

202 W Main St  
Salem, IL 62881

ATTN: Steve Davis

**15-14s-32w Logan, Ks**

**Ottley #2-15**

Start Date: 2009.06.17 @ 12:55:42

End Date: 2009.06.17 @ 23:30:22

Job Ticket #: 34761                      DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Shakespeare Oil Co

Ottley #2-15

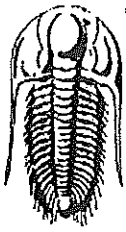
15-14s-32w Logan, Ks

DST # 3

1-1

2009.06.17





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co

Ottley #2-15

202 W Main St  
Salem, IL 62881

15-14s-32w Logan, Ks

ATTN: Steve Davis

Job Ticket: 34761

DST#: 3

Test Start: 2009.06.17 @ 12:55:42

## GENERAL INFORMATION:

Formation: I-J

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:40:22

Time Test Ended: 23:30:22

Test Type: Conventional Bottom Hole

Tester: Shane McBride

Unit No: 40

Interval: 3932.00 ft (KB) To 3985.00 ft (KB) (TVD)

Total Depth: 3985.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3747.00 ft (KB)

3738.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 6667

Inside

Press@RunDepth: 407.68 psig @ 3933.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2009.06.17

End Date: 2009.06.17

Last Calib.: 2009.06.17

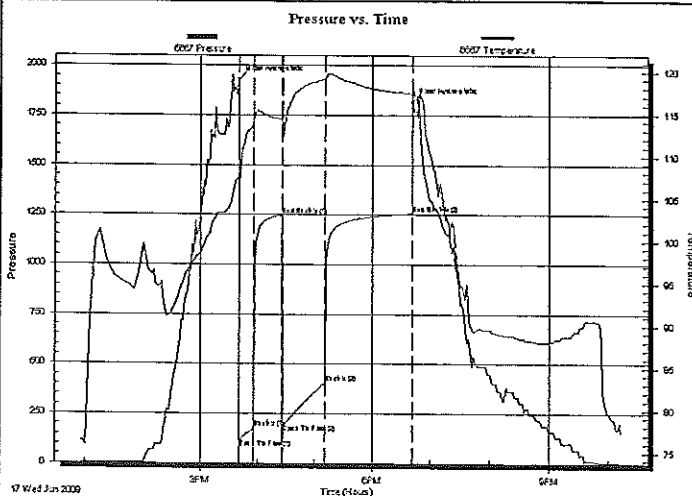
Start Time: 12:55:42

End Time: 22:13:22

Time On Btm: 2009.06.17 @ 15:39:52

Time Off Btm: 2009.06.17 @ 18:40:52

TEST COMMENT: B.O.B. in 4 min.  
B.O.B. in 15 min.  
B.O.B. @ open  
B.O.B. in 15 min.



## PRESSURE SUMMARY

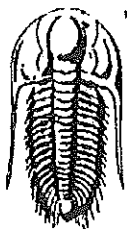
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1929.90	107.43	Initial Hydro-static
1	77.86	106.87	Open To Flow (1)
16	180.57	114.19	Shut-In (1)
46	1249.54	114.40	End Shut-In (1)
46	196.77	113.82	Open To Flow (2)
91	407.68	119.10	Shut-In (2)
181	1255.50	117.38	End Shut-In (2)
181	1815.86	117.51	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
186.00	g o c m 45g 15o 40m	0.91
124.00	g m c o 45g 20m 35o	1.74
774.00	c g o 40g 60o	10.86

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Shakespeare Oil Co

**Ottley #2-15**

202 W Main St  
Salem, IL 62881

**15-14s-32w Logan, Ks**

Job Ticket: 34761

**DST#: 3**

ATTN: Steve Davis

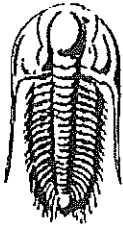
Test Start: 2009.06.17 @ 12:55:42

### Tool Information

Drill Pipe:	Length: 3741.00 ft	Diameter: 3.80 inches	Volume: 52.48 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 186.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 53.39 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	3932.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	53.00 ft			
Tool Length:	80.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3906.00	
Shut In Tool	5.00			3911.00	
Hydraulic tool	5.00			3916.00	
Jars	5.00			3921.00	
Safety Joint	2.00			3923.00	
Packer	5.00			3928.00	27.00 Bottom Of Top Packer
Packer	4.00			3932.00	
Stubb	1.00			3933.00	
Recorder	0.00	6667	Inside	3933.00	
Recorder	0.00	6771	Outside	3933.00	
Perforations	15.00			3948.00	
Change Over Sub	1.00			3949.00	
Drill Pipe	30.00			3979.00	
Change Over Sub	1.00			3980.00	
Bullnose	5.00			3985.00	53.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>80.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Shakespeare Oil Co

Ottley #2-15

202 W Main St  
Salem, IL 62881

15-14s-32w Logan, Ks

Job Ticket: 34761

DST#: 3

ATTN: Steve Davis

Test Start: 2009.06.17 @ 12:55:42

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

34 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.16 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 9500.00 ppm

Filter Cake: 2.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
186.00	g o c m 45g 15o 40m	0.915
124.00	g m c o 45g 20m 35o	1.739
774.00	c g o 40g 60o	10.857

Total Length: 1084.00 ft

Total Volume: 13.511 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6667

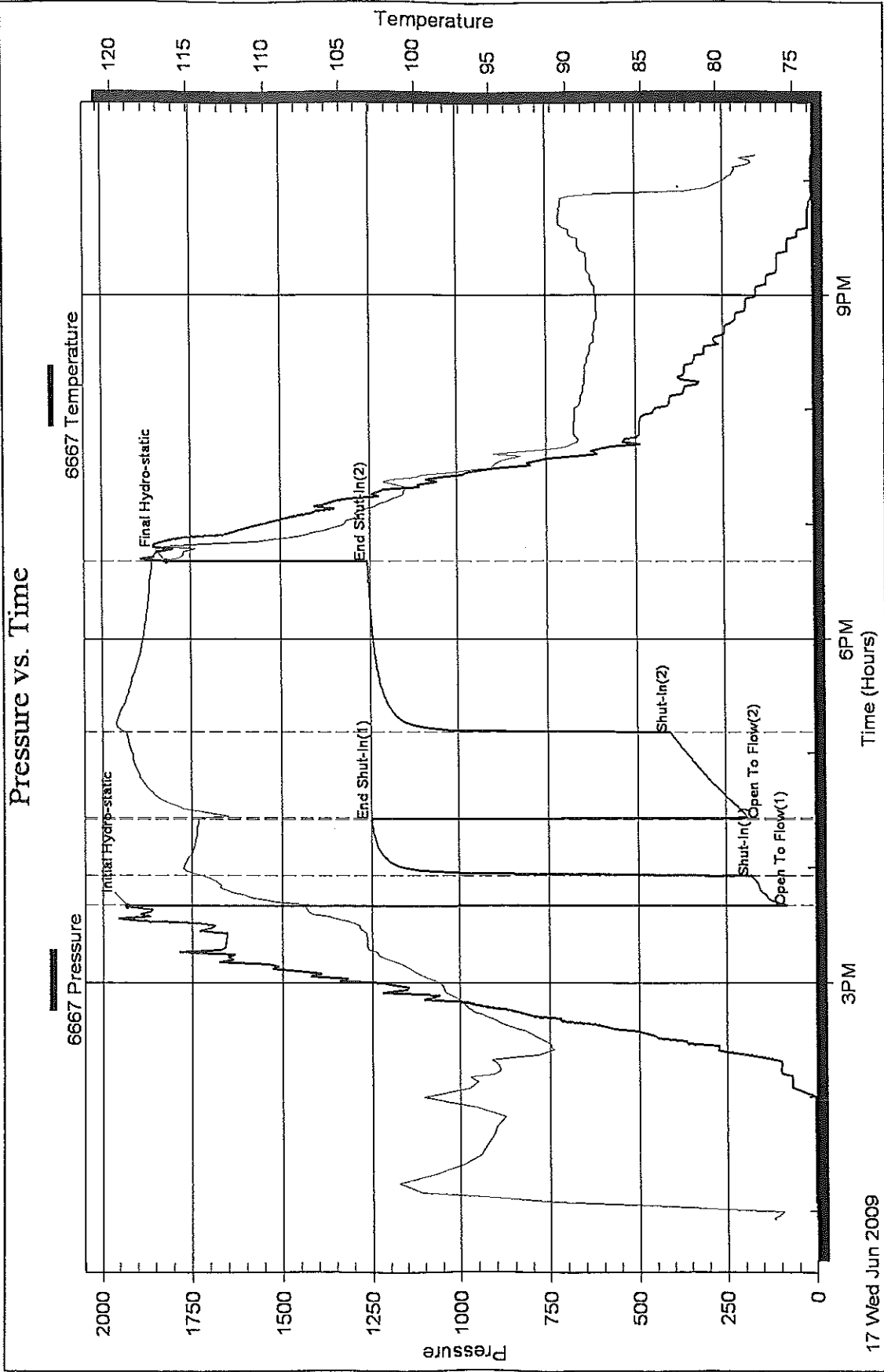
Inside

Shakespeare Oil Co

15-14s-32w Logan, Ks

DST Test Number: 3

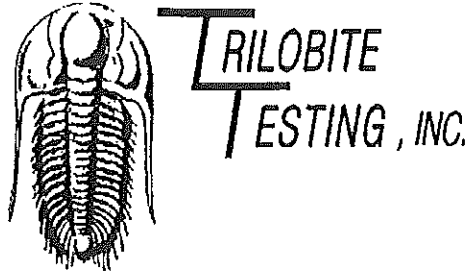
### Pressure vs. Time



17 Wed Jun 2009

Trilobite Testing, Inc

Ref. No: 34761



## DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co**

202 W Main St  
Salem, IL 62881

ATTN: Steve Davis

**15-14s-32w Logan, Ks**

**Ottley #2-15**

Start Date: 2009.06.18 @ 13:40:23

End Date: 2009.06.18 @ 21:25:02

Job Ticket #: 34762                      DST #: 4

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Shakespeare Oil Co

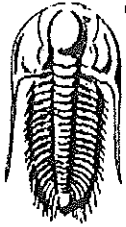
Ottley #2-15

15-14s-32w Logan, Ks

DST # 4

K-L

2009.06.18



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Shakespeare Oil Co

202 W Main St  
Salem, IL 62881

ATTN: Steve Davis

Ottley #2-15

15-14s-32w Logan, Ks

Job Ticket: 34762

DST#: 4

Test Start: 2009.06.18 @ 13:40:23

## GENERAL INFORMATION:

Formation: K-L

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:42:48

Time Test Ended: 21:25:02

Test Type: Conventional Bottom Hole

Tester: Shane McBride

Unit No: 40

Interval: 3996.00 ft (KB) To 4060.00 ft (KB) (TVD)

Total Depth: 4060.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3747.00 ft (KB)

3738.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 6667

Inside

Press@RunDepth: 1311.02 psig @ 3997.00 ft (KB)

Start Date: 2009.06.18

End Date:

2009.06.18

Capacity: 7000.00 psig

Last Calib.: 2009.06.18

Start Time: 13:40:23

End Time:

21:10:02

Time On Btm: 2009.06.18 @ 15:42:33

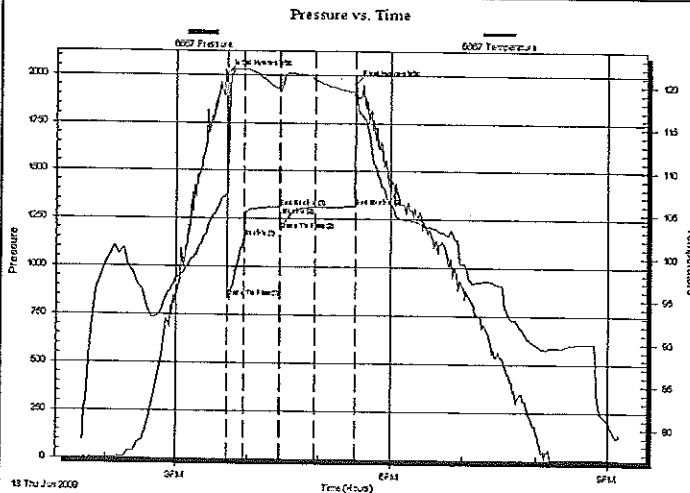
Time Off Btm: 2009.06.18 @ 17:30:48

TEST COMMENT: B.O.B. in 1/2 min.

No return

B.O.B. in 1 min., died back to 8" in.

No return



## PRESSURE SUMMARY

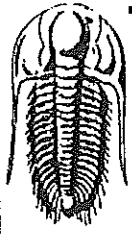
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2003.29	107.18	Initial Hydro-static
1	843.10	107.27	Open To Flow (1)
15	1151.61	121.82	Shut-in(1)
45	1312.09	119.60	End Shut-in(1)
45	1190.95	119.45	Open To Flow (2)
75	1311.02	120.64	Shut-in(2)
108	1314.85	119.20	End Shut-in(2)
109	1953.42	118.45	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (tbl)
2294.00	water 100w	30.48
186.00	s m c w 5m 95w	2.61
186.00	m c w 20m 80w	2.61
206.00	m c w 35m 65w	2.89

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Shakespeare Oil Co  
202 W Main St  
Salem, IL 62881  
ATTN: Steve Davis

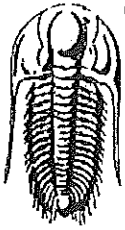
**Ottley #2-15**  
**15-14s-32w Logan, Ks**  
Job Ticket: 34762      DST#: 4  
Test Start: 2009.06.18 @ 13:40:23

**Tool Information**

Drill Pipe:	Length: 3798.00 ft	Diameter: 3.80 inches	Volume: 53.28 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 186.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 90000.00 lb
		Total Volume: 54.19 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	3996.00 ft			Final 88000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	64.00 ft			
Tool Length:	91.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3970.00	
Shut In Tool	5.00			3975.00	
Hydraulic tool	5.00			3980.00	
Jars	5.00			3985.00	
Safety Joint	2.00			3987.00	
Packer	5.00			3992.00	27.00      Bottom Of Top Packer
Packer	4.00			3996.00	
Stubb	1.00			3997.00	
Recorder	0.00	6667	Inside	3997.00	
Recorder	0.00	6771	Outside	3997.00	
Perforations	25.00			4022.00	
Change Over Sub	1.00			4023.00	
Drill Pipe	31.00			4054.00	
Change Over Sub	1.00			4055.00	
Bullnose	5.00			4060.00	64.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>		<b>91.00</b>			



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Shakespeare Oil Co

**Ottley #2-15**

202 W Main St  
Salem, IL 62881

**15-14s-32w Logan, Ks**

ATTN: Steve Davis

Job Ticket: 34762

DST#: 4

Test Start: 2009.06.18 @ 13:40:23

**Mud and Cushion Information**

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 45.00 sec/qt

Water Loss: 7.17 in<sup>3</sup>

Resistivity: 0.00 ohm.m

Salinity: 9600.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

0 deg API

37000 ppm

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
2294.00	water 100w	30.484
186.00	s m c w 5m 95w	2.609
186.00	m c w 20m 80w	2.609
206.00	m c w 35m 65w	2.890

Total Length: 2872.00 ft      Total Volume: 38.592 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

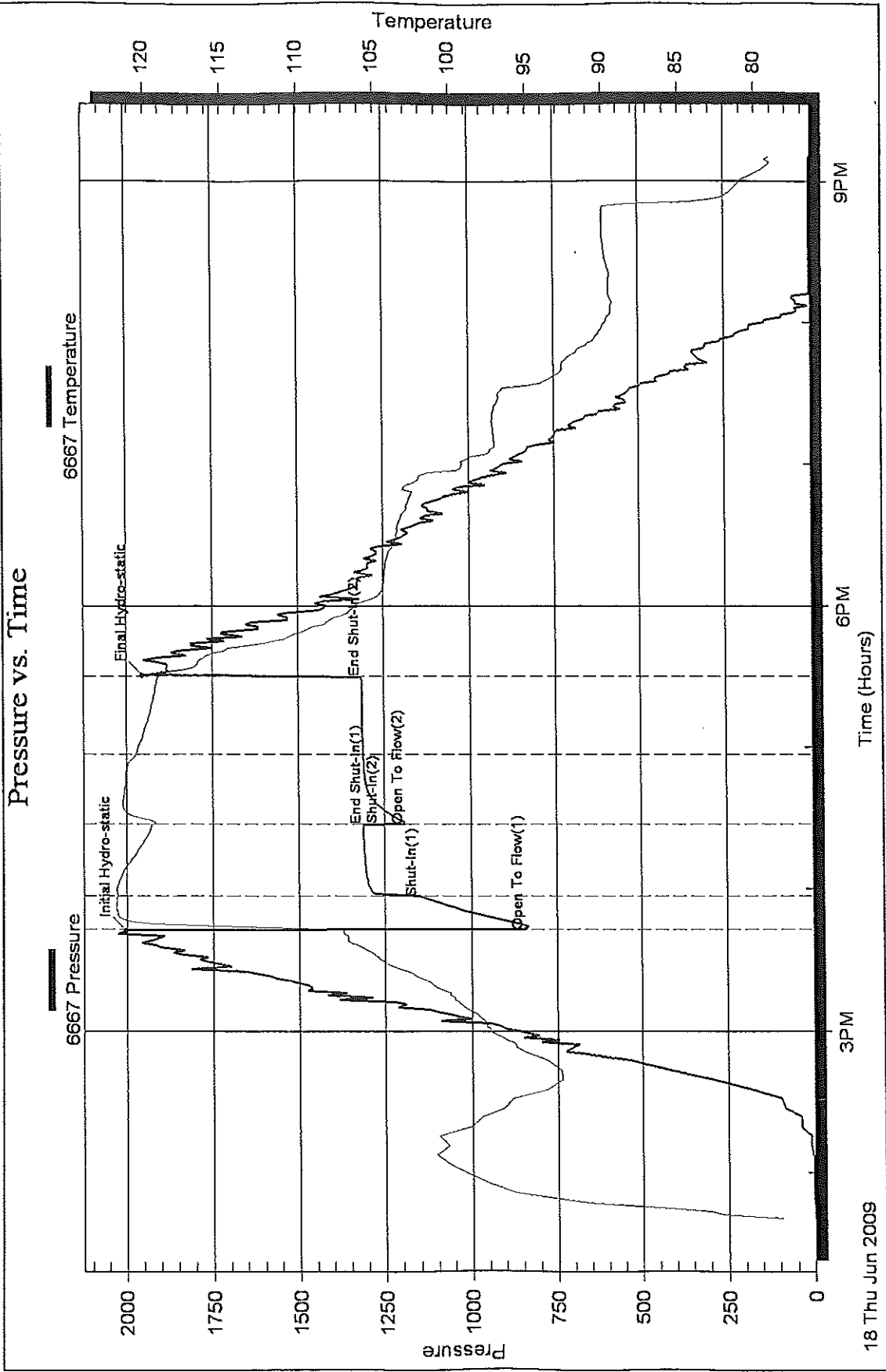
Laboratory Name:

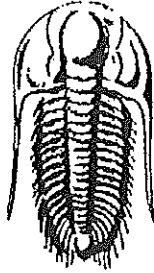
Laboratory Location:

Recovery Comments: rw .148 @ 90\*f = 37,000 chlorides



### Pressure vs. Time





**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co**

202 W Main St  
Salem, IL 62881

ATTN: Steve Davis

**15-14s-32w Logan, Ks**

**Ottley #2-15**

Start Date: 2009.06.19 @ 21:05:24

End Date: 2009.06.20 @ 03:00:48

Job Ticket #: 34763                      DST #: 5

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Shakespeare Oil Co

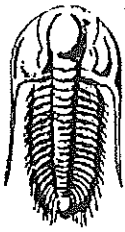
Ottley #2-15

15-14s-32w Logan, Ks

DST # 5

Myrtle St, Ft Scott

2009.06.19



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co

Ottley #2-15

202 W Main St  
Salem, IL 62881

15-14s-32w Logan, Ks

ATTN: Steve Davis

Job Ticket: 34763

DST#: 5

Test Start: 2009.06.19 @ 21:05:24

## GENERAL INFORMATION:

Formation: **Myric St, Ft Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:07:34

Time Test Ended: 03:00:48

Test Type: Conventional Bottom Hole

Tester: Shane McBride

Unit No: 40

Interval: 4228.00 ft (KB) To 4280.00 ft (KB) (TVD)

Total Depth: 4280.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3747.00 ft (KB)

3738.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 6771

Outside

Press@RunDepth: 35.05 psig @ 4229.00 ft (KB)

Start Date: 2009.06.19

End Date:

2009.06.20

Start Time: 21:05:24

End Time:

02:49:48

Capacity: 7000.00 psig

Last Calib.: 2009.06.20

Time On Blm: 2009.06.19 @ 23:06:34

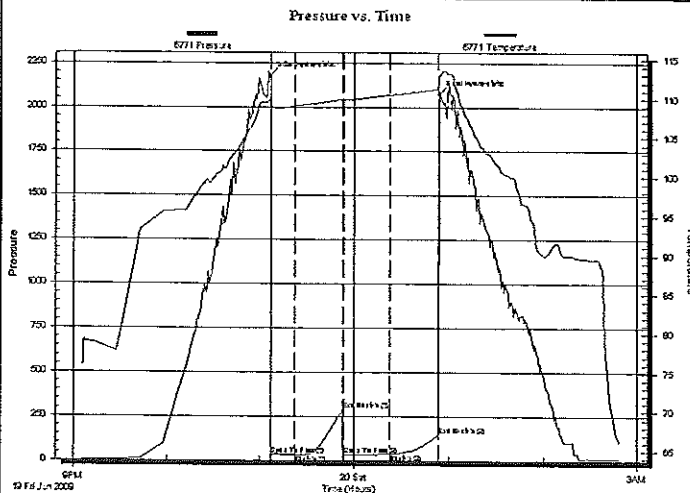
Time Off Blm: 2009.06.20 @ 00:53:34

TEST COMMENT: Weak blow died in 10 min.

No return

No blow

No return



## PRESSURE SUMMARY

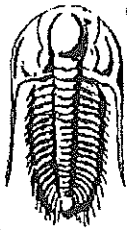
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2175.43	109.73	Initial Hydro-static
1	33.51	108.64	Open To Flow (1)
16	30.80	109.02	Shut-in(1)
47	286.74	109.89	End Shut-in(1)
47	30.96	109.80	Open To Flow (2)
77	35.05	110.46	Shut-in(2)
107	144.65	111.21	End Shut-in(2)
107	2073.01	112.56	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
2.00	mud 100m	0.01

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co

Ottley #2-15

202 W Main St  
Salem, IL 62881

15-14s-32w Logan, Ks

Job Ticket: 34763

DST#: 5

ATTN: Steve Davis

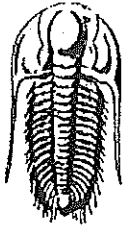
Test Start: 2009.06.19 @ 21:05:24

### Tool Information

Drill Pipe:	Length: 4042.00 ft	Diameter: 3.80 inches	Volume: 56.70 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 186.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 57.61 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4228.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	52.00 ft			
Tool Length:	79.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4202.00	
Shut In Tool	5.00			4207.00	
Hydraulic tool	5.00			4212.00	
Jars	5.00			4217.00	
Safety Joint	2.00			4219.00	
Packer	5.00			4224.00	27.00 Bottom Of Top Packer
Packer	4.00			4228.00	
Stubb	1.00			4229.00	
Recorder	0.00	6667	Inside	4229.00	
Recorder	0.00	6771	Outside	4229.00	
Perforations	14.00			4243.00	
Change Over Sub	1.00			4244.00	
Drill Pipe	30.00			4274.00	
Change Over Sub	1.00			4275.00	
Bullnose	5.00			4280.00	52.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>79.00</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespeare Oil Co

**Ottley #2-15**

202 W Main St  
Salem, IL 62881

**15-14s-32w Logan, Ks**

Job Ticket: 34763

**DST#: 5**

ATTN: Steve Davis

Test Start: 2009.06.19 @ 21:05:24

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length:	Water Salinity:	ppm
Viscosity: 53.00 sec/qt	Cushion Volume:		
Water Loss: 6.74 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure:		
Salinity: 10200.00 ppm			
Filter Cake: 2.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	mud 100m	0.010

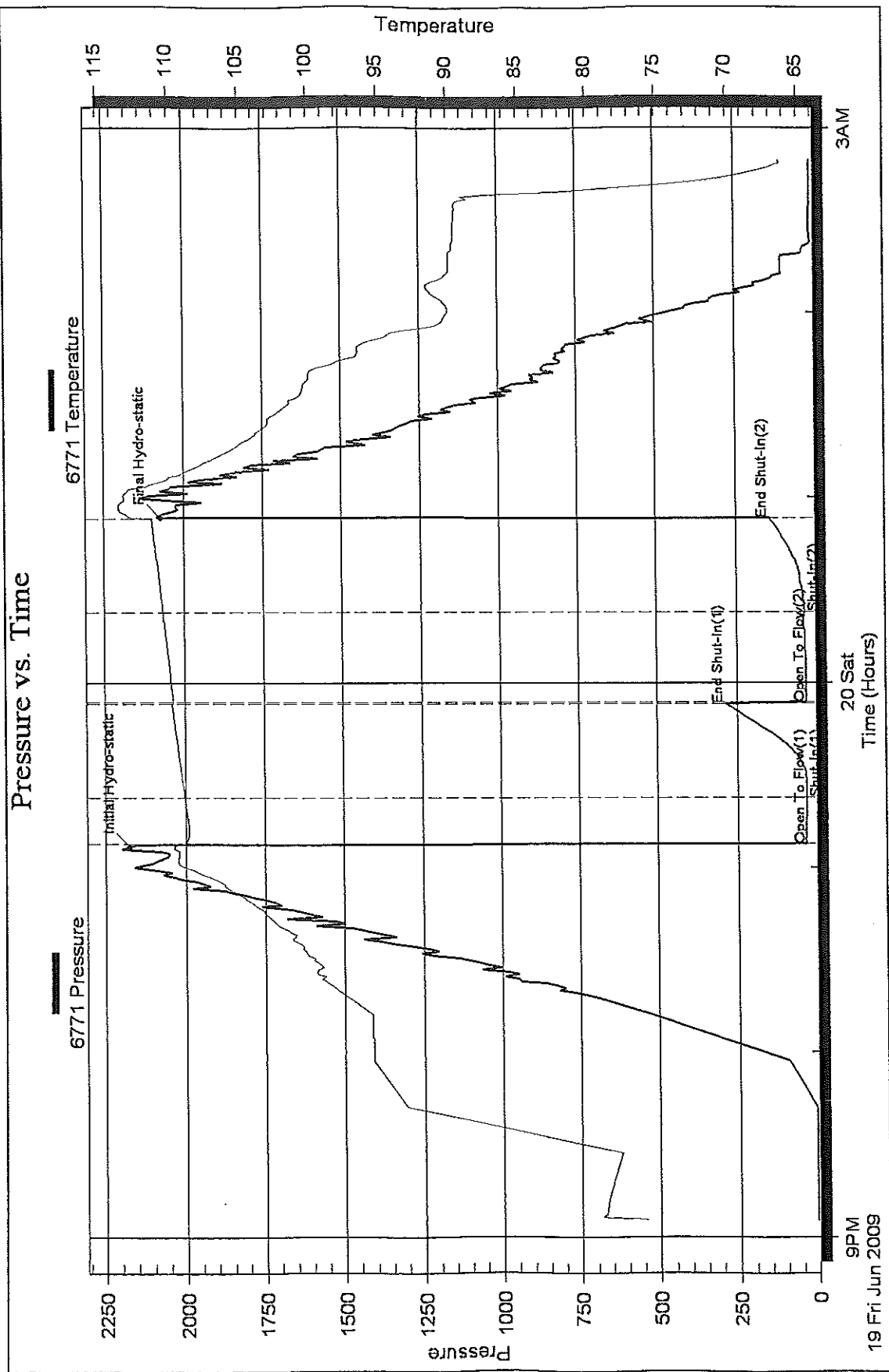
Total Length: 2.00 ft      Total Volume: 0.010 bbl

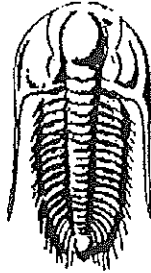
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:

### Pressure vs. Time





**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co**

202 W Main St  
Salem, IL 62881

ATTN: Steve Davis

**15-14s-32w Logan, Ks**

**Ottley #2-15**

Start Date: 2009.06.20 @ 20:45:15

End Date: 2009.06.21 @ 04:05:54

Job Ticket #: 34764                      DST #: 6

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Shakespeare Oil Co

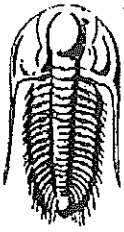
Ottley #2-15

15-14s-32w Logan, Ks

DST # 6

Johnson

2009.06.20



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Shakespeare Oil Co

202 W Main St  
Salem, IL 62881

ATTN: Steve Davis

**Ottley #2-15**

**15-14s-32w Logan, Ks**

Job Ticket: 34764

DST#: 6

Test Start: 2009.06.20 @ 20:45:15

## GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:32:40

Time Test Ended: 04:05:54

Interval: **4304.00 ft (KB) To 4344.00 ft (KB) (TVD)**

Total Depth: **4344.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: Fair

Test Type: Conventional Bottom Hole

Tester: Shane McBride

Unit No: 40

Reference Elevations: 3747.00 ft (KB)

3738.00 ft (CF)

KB to GR/CF: 9.00 ft

**Serial #: 6667** Inside

Press@RunDepth: 68.99 psig @ 4309.00 ft (KB)

Start Date: 2009.06.20

End Date:

2009.06.21

Start Time: 20:45:15

End Time:

03:43:54

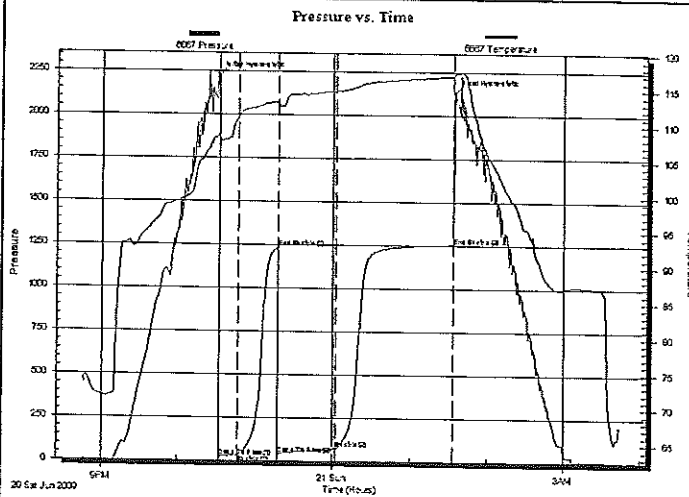
Capacity: 7000.00 psig

Last Calib.: 2009.06.21

Time On Btm: 2009.06.20 @ 22:31:55

Time Off Btm: 2009.06.21 @ 01:34:25

**TEST COMMENT:** 2 1/2" in blow  
No return  
7 1/2" in blow  
1/4" in return blow died in 60 min.



## PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2223.27	108.53	Initial Hydro-static
1	20.53	107.53	Open To Flow (1)
16	34.71	111.10	Shut-In (1)
46	1236.53	113.31	End Shut-In (1)
47	36.94	112.89	Open To Flow (2)
91	68.99	114.83	Shut-In (2)
182	1253.72	116.98	End Shut-In (2)
183	2130.27	117.32	Final Hydro-static

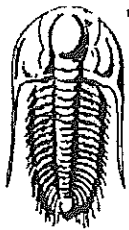
## Recovery

Length (ft)	Description	Volume (bbl)
124.00	gw & mc o 10g 10w 20m 60o	0.61
62.00	gw & mc o 5g 10w 30m 55o	0.30
0.00	62' weak gas in pipe	0.00

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Shakespeare Oil Co

**Ottley #2-15**

202 W Main St  
Salem, IL 62881

**15-14s-32w Logan, Ks**

ATTN: Steve Davis

Job Ticket: 34764

DST#: 6

Test Start: 2009.06.20 @ 20:45:15

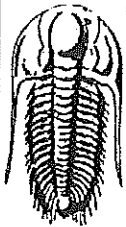
## Tool Information

Drill Pipe:	Length: 4107.00 ft	Diameter: 3.80 inches	Volume: 57.61 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 186.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 58.52 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	4304.00 ft			Final 71000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	44.00 ft			
Tool Length:	67.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4282.00	
Shut In Tool	5.00			4287.00	
Hydraulic tool	5.00			4292.00	
Jars	5.00			4297.00	
Safety Joint	2.00			4299.00	
Packer	5.00			4304.00	23.00 Bottom Of Top Packer
Packer - Shale	4.00			4308.00	
Stubb	1.00			4309.00	
Recorder	0.00	6667	Inside	4309.00	
Recorder	0.00	6771	Outside	4309.00	
Perforations	34.00			4343.00	
Bullnose	5.00			4348.00	44.00 Anchor Tool

**Total Tool Length: 67.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespeare Oil Co

Ottley #2-15

202 W Main St  
Salem, IL 62881

15-14s-32w Logan, Ks

Job Ticket: 34764

DST#: 6

ATTN: Steve Davis

Test Start: 2009.06.20 @ 20:45:15

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 31 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 18500 ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.59 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 10000.00 ppm		
Filter Cake: 2.00 inches		

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	g w & m c o 10g 10w 20m 60o	0.610
62.00	g w & m c o 5g 10w 30m 55o	0.305
0.00	62' weak gas in pipe	0.000

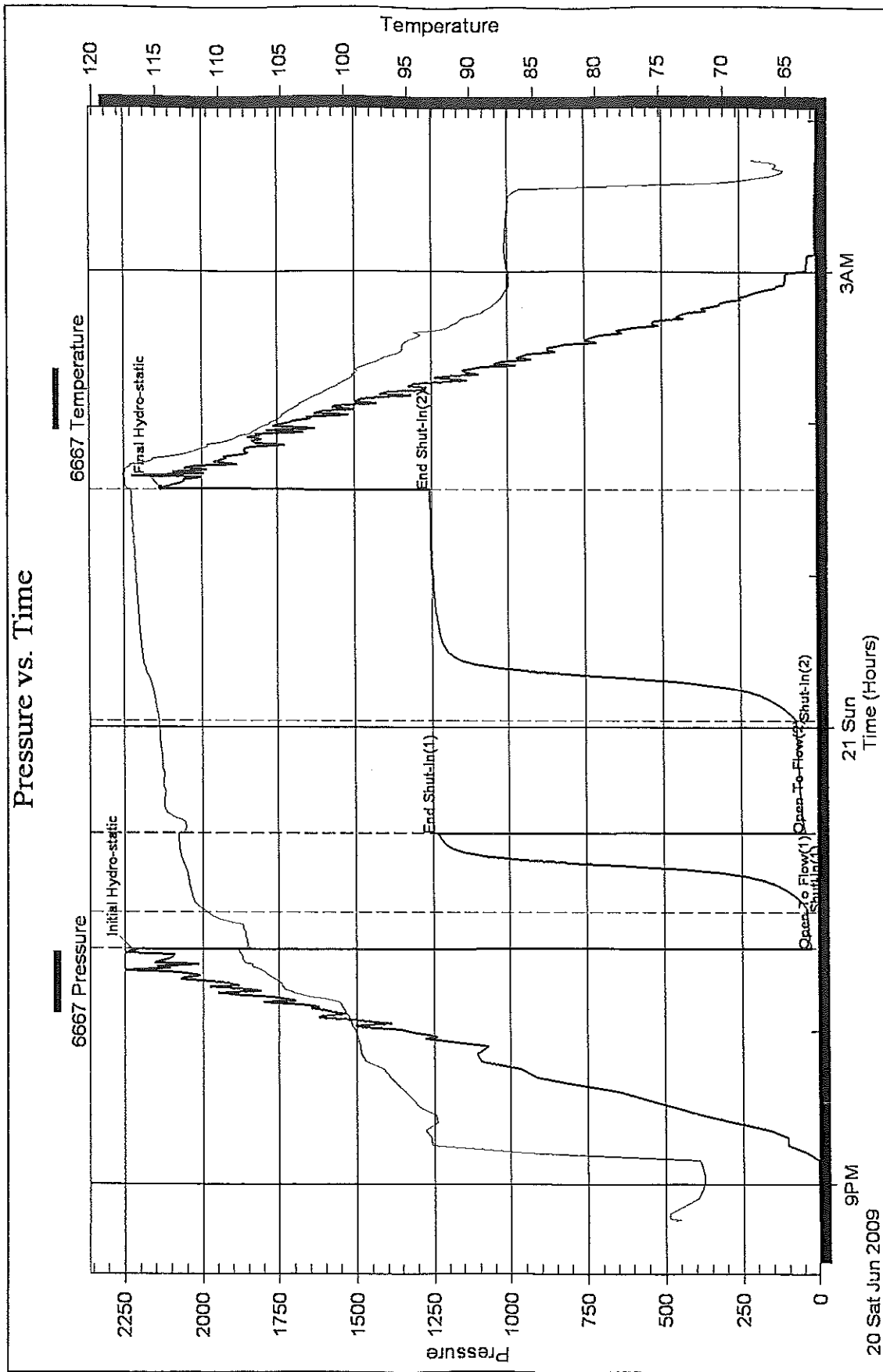
Total Length: 186.00 ft      Total Volume: 0.915 bbl

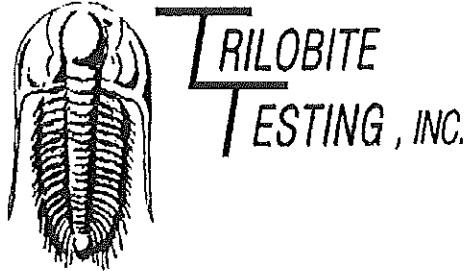
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments: rw .361 @ 75'f = 18,500 chlor

### Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co**

202 W Main St  
Salem, IL 62881

ATTN: Steve Davis

**15-14s-32w Logan, Ks**

**Ottley #2-15**

Start Date: 2009.06.21 @ 14:42:05

End Date: 2009.06.21 @ 22:31:29

Job Ticket #: 34776                      DST #: 7

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Shakespeare Oil Co

Ottley #2-15

15-14s-32w Logan, Ks

DST # 7

Miss.

2009.06.21



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Shakespeare Oil Co

202 W Main St  
Salem, IL 62881

ATTN: Steve Davis

Ottley #2-15

15-14s-32w Logan, Ks

Job Ticket: 34776

DST#: 7

Test Start: 2009.06.21 @ 14:42:05

## GENERAL INFORMATION:

Formation: Miss.

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:50:30

Time Test Ended: 22:31:29

Test Type: Conventional Bottom Hole

Tester: Brandon Domsch

Unit No: 48

Interval: 4345.00 ft (KB) To 4387.00 ft (KB) (TVD)

Total Depth: 4387.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3747.00 ft (KB)

3738.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8322 Inside

Press@RunDepth: 117.23 psig @ 4350.00 ft (KB)

Start Date: 2009.06.21

End Date:

2009.06.21

Start Time: 14:42:05

End Time:

22:31:29

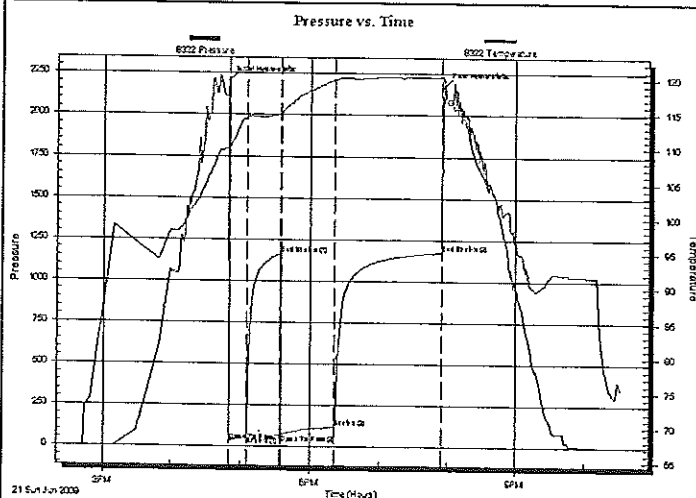
Capacity: 7000.00 psig

Last Calib.: 2009.06.21

Time On Btm: 2009.06.21 @ 16:50:00

Time Off Btm: 2009.06.21 @ 19:57:59

TEST COMMENT: IF: Built to 3 inches.  
IS: No return.  
FF: Built to 5 1/2 inches.  
FS: Surface blow for 14 mins.



## PRESSURE SUMMARY

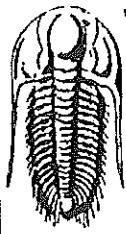
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2204.96	110.34	Initial Hydro-static
1	31.58	110.13	Open To Flow (1)
16	59.89	114.38	Shut-In (1)
45	1162.63	114.83	End Shut-In (1)
45	72.65	114.73	Open To Flow (2)
91	117.23	119.81	Shut-In (2)
186	1172.54	120.25	End Shut-In (2)
188	2176.86	118.56	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (tbt)
15.00	M 100% m	0.07
62.00	SO&WCM 5% o 10% w 85% m	0.30
144.00	OCM 15% o 85% m	1.03
0.00	GIP = 0	0.00
0.00	API = N/A	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Shakespeare Oil Co

**Ottley #2-15**

202 W Main St  
Salem, IL 62881

**15-14s-32w Logan, Ks**

Job Ticket: 34776

DST#: 7

ATTN: Steve Davis

Test Start: 2009.06.21 @ 14:42:05

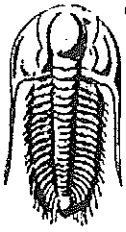
### Tool Information

Drill Pipe:	Length: 4168.00 ft	Diameter: 3.80 inches	Volume: 58.47 bbl	Tool Weight:	1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 186.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose:	95000.00 lb
			<b>Total Volume: 59.38 bbl</b>	Tool Chased	0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial	70000.00 lb
Depth to Top Packer:	4345.00 ft			Final	72000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	42.00 ft				
Tool Length:	66.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4322.00	
Shut In Tool	5.00			4327.00	
Hydraulic tool	5.00			4332.00	
Jars	5.00			4337.00	
Safety Joint	3.00			4340.00	
Packer	5.00			4345.00	24.00 Bottom Of Top Packer
Packer - Shale	4.00			4349.00	
Stubb	1.00			4350.00	
Recorder	0.00	8322	Inside	4350.00	
Recorder	0.00	6741	Inside	4350.00	
Perforations	32.00			4382.00	
Bullnose	5.00			4387.00	42.00 Anchor Tool

**Total Tool Length: 66.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co

Ottley #2-15

202 W Main St  
Salem, IL 62881

15-14s-32w Logan, Ks

Job Ticket: 34776

DST#: 7

ATTN: Steve Davis

Test Start: 2009.06.21 @ 14:42:05

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbf

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

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 9800.00 ppm

Filter Cake: 2.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbf
15.00	M 100% <sub>m</sub>	0.074
62.00	SO&WCM 5% <sub>o</sub> 10% <sub>w</sub> 85% <sub>m</sub>	0.305
144.00	OCM 15% <sub>o</sub> 85% <sub>m</sub>	1.027
0.00	GIP = 0	0.000
0.00	API = NA	0.000

Total Length: 221.00 ft

Total Volume: 1.406 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

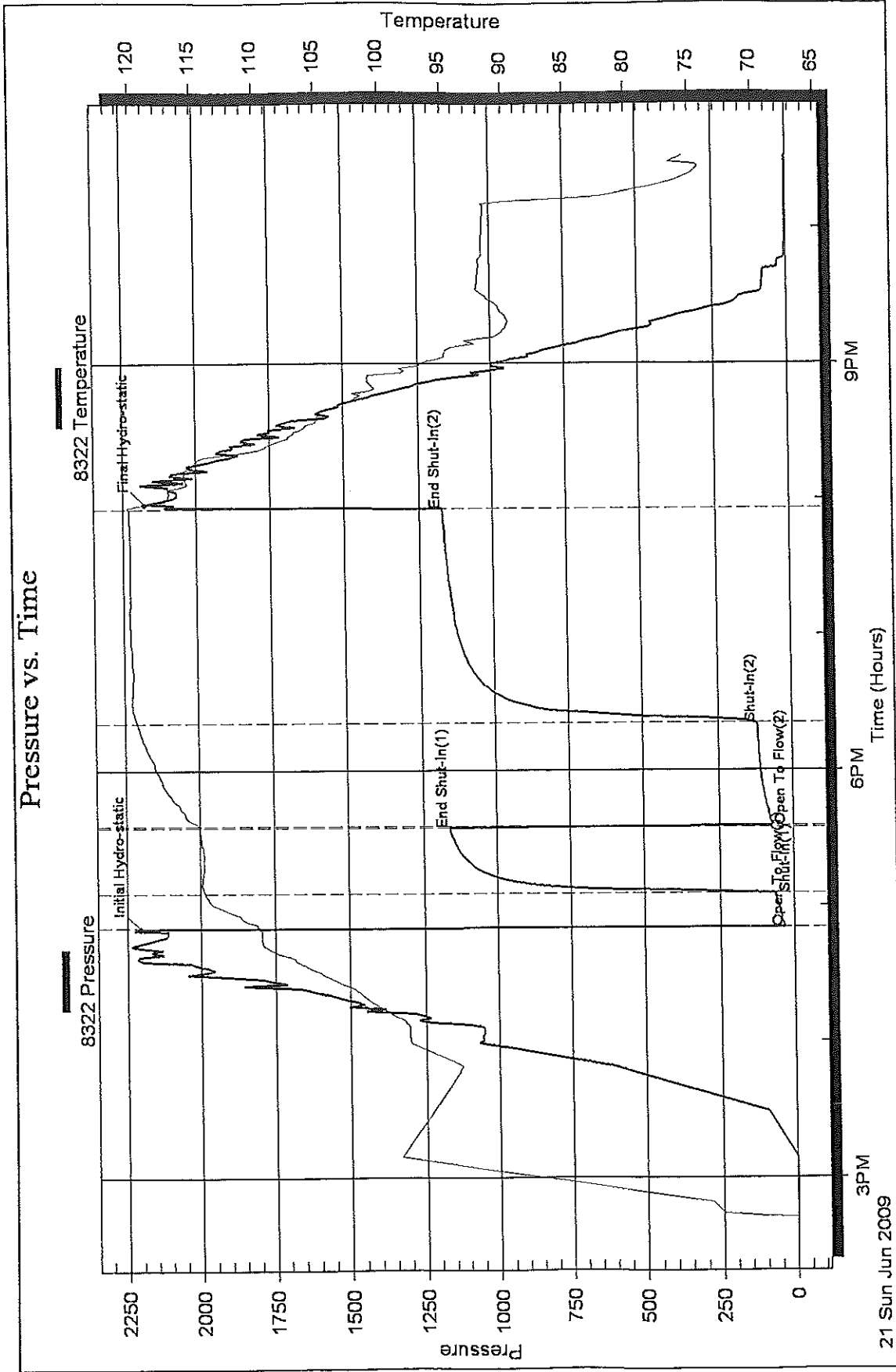
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time





# RICHARD S. (Steve) DAVIS JR.

## Petroleum Geologist

212 N. Market

Wichita, Kansas 67202

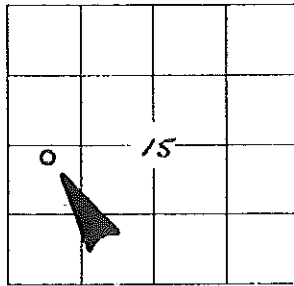
Phone (316) 267-9115

### GEOLOGIST'S REPORT

#### DRILLING TIME AND SAMPLE LOG

COMPANY <u>SHAKESPEARE OIL COMPANY, INC.</u> LEASE <u>OTTLEY #2-15</u> FIELD <u>UNNAMED</u> LOCATION <u>2590' ESL &amp; 980' FWL</u> SEC <u>15</u> TWSP <u>14S</u> RGE <u>32W</u> COUNTY <u>LOGAN</u> STATE <u>KANSAS</u>	ELEVATIONS KB <u>2747</u> DF _____ GL <u>2738</u> Measurements Are All From <u>KB 2747</u>
CONTRACTOR <u>HD DRILLING, LLC #2</u> SPUD <u>6-10-2009</u> COMP <u>6-22-2009</u> RTD <u>4480</u> LTD <u>4476</u> MUD UP <u>3469</u> TYPE MUD <u>CHEMICAL</u>	CASING SURFACE <u>8 5/8" @ 228'</u> PRODUCTION <u>5 1/2" @ 4470'</u> ELECTRICAL SURVEYS WEATHERFORD: FULL SUITE
SAMPLES SAVED FROM <u>3500</u> TO <u>RTD</u> DRILLING TIME KEPT FROM <u>3500</u> TO <u>RTD</u> SAMPLES EXAMINED FROM <u>3500</u> TO <u>RTD</u> GEOLOGICAL SUPERVISION FROM <u>3600</u> TO <u>RTD</u> GEOLOGIST ON WELL <u>STEVE DAVIS</u>	

FORMATION TOPS	LOG	SAMPLES
<u>BLANHYDRITE</u>	<u>2218 - 4529</u>	<u>2220</u>
<u>HEGBNER</u>	<u>3699 - 952</u>	<u>3704</u>
<u>LANSING</u>	<u>3736 - 989</u>	<u>3739</u>
<u>WINNIE CREEK</u>	<u>3898 - 1151</u>	<u>3903</u>
<u>STARK</u>	<u>3994 - 1247</u>	<u>3998</u>
<u>BKC</u>	<u>4088 - 1341</u>	<u>4092</u>
<u>PAWNEE</u>	<u>4199 - 1452</u>	<u>4202</u>
<u>CHEROKEE SH</u>	<u>4280 - 1533</u>	<u>4284</u>
<u>JOHNSON ZONE</u>	<u>4322 - 1575</u>	<u>4326</u>
<u>MISSISSIPPI</u>	<u>4381 - 1634</u>	<u>4386</u>



API# 15-109-20838

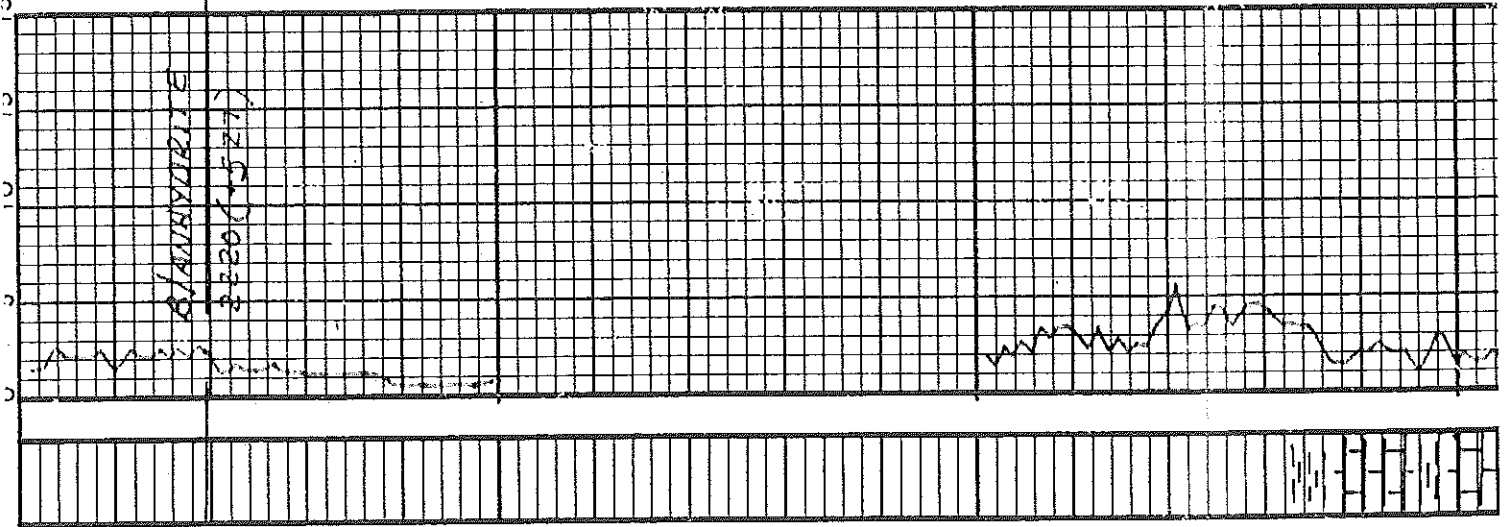
BIT RECORD						
NO	SIZE	MAKE	TYPE	DEPTH OUT	FEET	HOURS
1	12 1/4	Reed	RR	228	228	2
2	7 7/8	JZ	RR 20	4480	4252	121 3/4

DAILY PENETRATION	
DATE	DEPTH
<u>6-10-2009</u>	<u>sand</u>
<u>6-11</u>	<u>228</u>
<u>6-12</u>	<u>1600</u>



0022



50

3500

50

Vis. RR Wt 85 E. 1 K 4  
 CHL 3,200 PH11.5 CCA 2#  
 (5.14.09)

Start same end 5.0000

CS. 100-1000 P. 1000 2100 2100  
9/9. 10/9/09



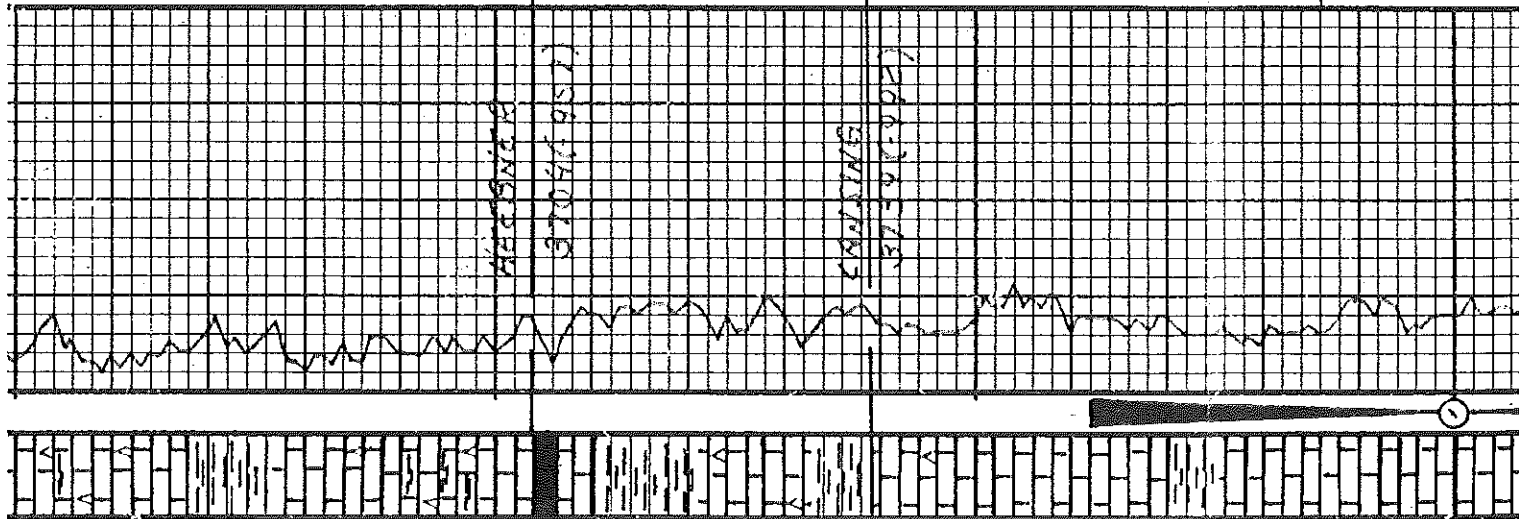
50

3700

50

40fs

3800



LS gray tan fine foss. packed  
 LS + chert gray, white gray  
 Shale gray green - blocky + LS  
 tan gray fine org. chert, foss. mid  
 LS gray, tan fine foss. ool. rare  
 P. mald. + gray  
 LS fine gray fine foss. ool. org  
 mid + chert white - gray  
 Shale black carb  
 Shale black, gray, green, rust +  
 LS tan gray with few fine flag.  
 dense mid  
 LS. calc. white fine silt, foss. ool  
 chert, org. LS + tan - plus chert white  
 Shale black, gray, green  
 LS tan white fine blk. ool. P  
 org. + calc. + silt. + sand, silt  
 sand dull fine. white. wood. + chert  
 white  
 LS. all white brown fine ool. P  
 mid dense + shale gray-green  
 LS tan - all white. fine fine ool.  
 P. part of silt. + silt. + org. +  
 silt. + sand. silt. dull fine. + chert  
 LS. all white, tan fine ool. silt. ool.  
 mid dense +  
 LS. all tan shale rust gray s  
 green

VIS. S.3. Mt. 89. E.L. SA  
 Chl. 5,900 PH 11.5 CCM 2#  
 (6-15-09)  
 Pipe strap @ 3838. 4/20/09  
 Survey 1

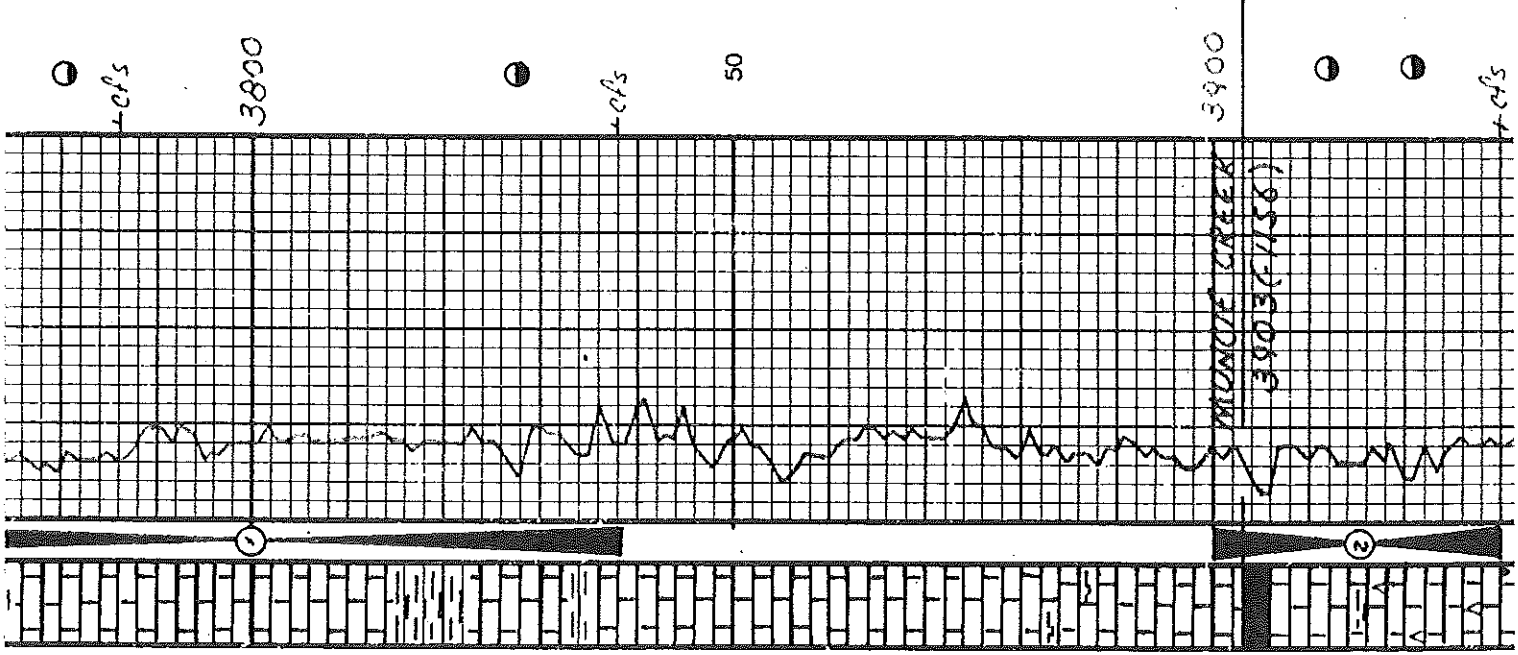
V.S. S.B. WT 89 Fil. 5B  
 CHI. 5,900 PH 11.5 CCM 2#  
 (8-15-09)  
 Pipe Strap @ 3838, 42009  
 Survey 1°

DST #1 3762 - 3838  
 10 - 45 - 45 - 90  
 BLOW:  
 I.F. B.O.B. 2 min.  
 I.S.I. B.O.B. 30 min.  
 F.F. B.O.B. on open  
 F.S.I. B.O.B. died 75 min.  
 RECOVERY: 1054 G.I.P.  
 124' G.O. (20% G. 80% O)  
 620' C.G.O. reversed  
 (20% G. 80% O)  
 620' G.W.C.O. reversed  
 (20% G. 60% O 20% W)  
 372' G.O.C.W. reversed  
 (15% G. 40% O 45% W)  
 124' G.O. 9' A.C.W. below circ. sub  
 (10% G. 10% O 65% W 15% M)  
 1,860' TOTAL FLUID  
 (Chi. rec. 31,000 . 0.1 36.5° API)  
 I.H.P. 1847#  
 I.F.P. 172-292#  
 I.S.I.P. 1206#  
 F.F.P. 318-708#  
 F.S.I.P. 1210#  
 F.N.P. 1746# B.N.T. 115°F

@3838 Vis. 47 WT 9 Fil. 72  
 CHI. 10,900 PH 10.5 CCM 2#  
 (8-16-09)

DST #2 3900 - 3930  
 15 - 45 - 45 - 90  
 BLOW:  
 I.F. B.O.B. 4 min.  
 I.S.I. 10" return  
 F.F. B.O.B. on open  
 F.S.I. B.O.B. 20 min.  
 DENNISON. 1513-110

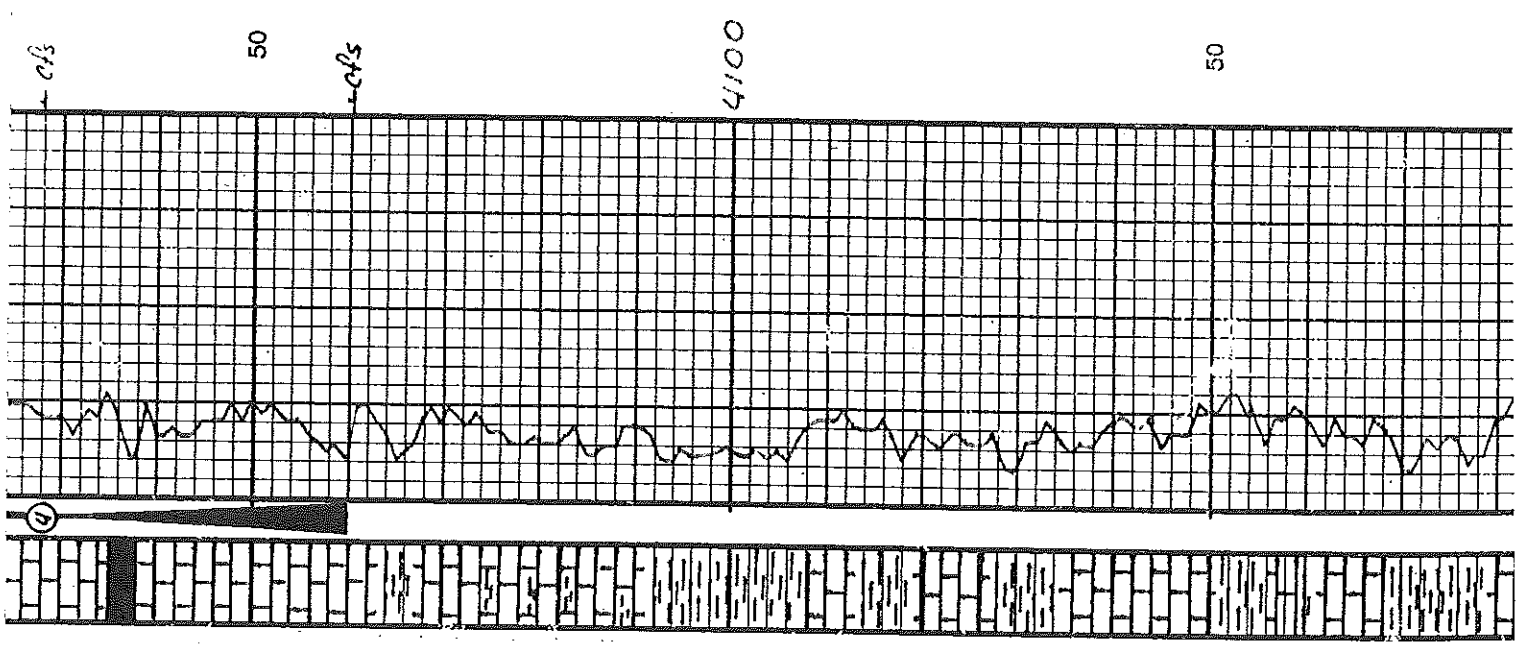
F.P. part of ss. summary...  
 spots sh. solid dull blue - color  
 ss. gill white. tan. blue. cal. silt. cal.  
 w. dense  
 ss. aa + tan shale rust gray  
 green  
 ss. tan - off white white dense shaly  
 ss. aa silice shale gray-green  
 ss. dolo. tan. brown. f. 10% sh. cal. l.p.  
 f. - anal. solid. fine. f. s.s. f. cal. w. sh.  
 dull spots. blue. color  
 shaly shale brown, rust. gray  
 green  
 ss. aa + white. f. 10% sh. f. ss. - cal. l.p.  
 dense w. sh.  
 ss. cal. white. f. 10% sh. f. ss. - cal. l.p.  
 w. sh. f. ss. gray. micro. sh. dense  
 ss. aa + ss. green. white. f. 10% sh. l.p.  
 cal. l.p. w. sh.  
 ss. white. gray. f. 10% sh. f. ss. - cal. l.p.  
 w. sh. f. ss. gray. micro. sh. dense  
 ss. green. white. f. 10% sh. silt. f. ss.  
 w. sh.  
 shale black carb.  
 ss. brown. gray. white. silt. f. ss.  
 w. sh. f. s.s. f. cal. solid. sh. sh.  
 the. color. dense  
 ss. off white. tan. f. 10% sh. f. ss.  
 f. ss. f. 10% sh. f. ss. f. ss. f. ss. f. ss.  
 solid. w. sh. w. sh. dull. blue. f. s.s. f. cal.  
 f. ss. f. cal. white. tan. f. ss. f. ss. f. ss. f. ss.



+ofs  
 +ofs  
 +ofs  
 +ofs



774' C.G.O. (40% G, 50% O)	
124' G.M.C.O. (45% G, 55% O, 20% M)	
186' G.O.C.A. (45% G, 15% O, 40% M)	
1084' TOTAL FLUID (30% API)	
I.H.P. 1930 #	
I.F.P. 77-180 #	
I.S.I.P. 1249 #	
F.F.P. 196-407 #	
F.S.I.P. 1255 #	
F.H.P. 1816 # B.H.T. 117° F	
Vis. S.I. Wt. 8.8	Fl. 7.2
Chl. 9800 PH 110 CCM I.S.#	(6-18-09)
DST # 4 3996 - 4080	
15-30-30 - 30	
Blow:	
I.F. B.O.B. 1/2 min.	
I.S.I. No return	
F.F. B.O.B. 1 min., died to 8"	
F.S.I. No return	
RECOVERY:	
206' M.C.W. (65% W, 35% M)	
186' M.C.W. (80% W, 20% M)	
186' S.M.C.W. (95% W, 5% M)	
2,294 W	
2,872' TOTAL FLUID	(Chl. 37,000)
I.H.P. 2003 #	
I.F.P. 843-1151 #	
I.S.I.P. 1312 #	
F.F.P. 1190-1311 #	
F.S.I.P. 1314 #	
F.H.P. 1953 # B.H.T. 119° F	



LS. AA + chl. tan	Shale black carb
LS. tan-gray f. silt. ool. face. Pale mud. LS. chky	LS. tan-gray f. silt. ool. shale green
LS. AA + LS. gray shale org. wt. shale green	LS. cream white f. silt. silt. f. ss. chky. mud + shale gray. green. f. f. ss.
Shale gray black f. green + LS. gray em. tan f. ss. f. p.	Shale gray green + black + LS. gray mic. w. dense mud
Black shale green gray s. crust. LS. AA	Shale AA + LS. gray tan shale chky dense mud
LS. cream tan f. silt. ool. IP. mud dense	LS. AA + Abal. shale green, gray. black
Shale AA + LS. gray tan f. silt. ool. IP. mud	LS. cream white IP. gray f. ss. ool. IP. chky. pale. f. s. f. o. gray. silt. sh. floor. N. ool. + shale gray green
Shale black, gray + green f. ss.	





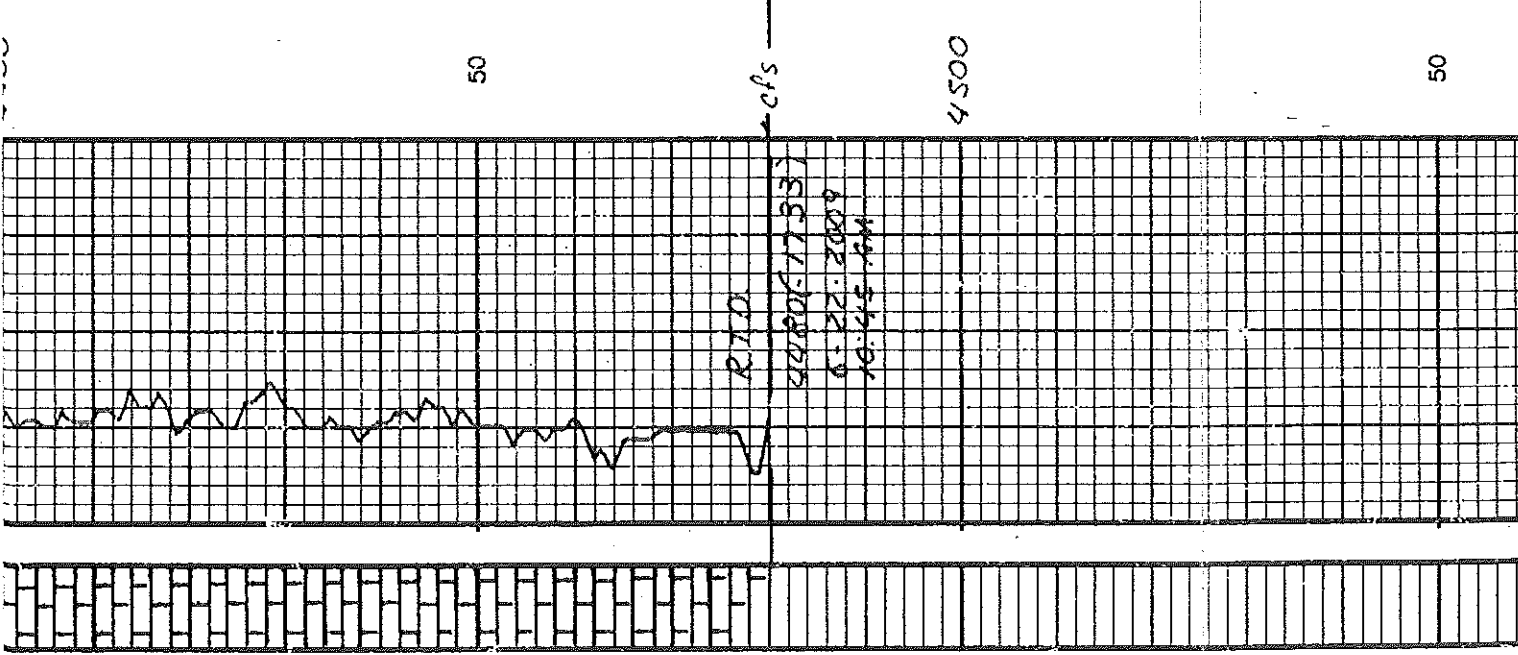


FF weak built 5/2"  
 F.S.I. surface return dried H/min.  
 RECOVERY:  
 144' O.C.M. (15% O 85% M)  
 62' S.O. & W.C.M. (5% O 10% W 85% M)  
 15' A

221' TOTAL FLUID  
 I.H.P. 2205#  
 I.F.P. 92-60#  
 I.S.I.P. 1163#  
 F.F.P. 73-117#  
 F.S.I.P. 1172#  
 F.H.P. 2177# B.N.T. 120°F

Vis 415 Wt 93 FL RU  
 CHL 10,000 PH10 CCM 1#  
 (6-22-09)

CS 99 + CS white-tan F. in dense M.D.
CS white-tan F. in soft chky IP M.D.
(About vari. calc shale slough)
CS white-tan gray thin soft chky IP M.D.
Most shale slough + CS white-tan thin soft chky IP and F. in dense
(About vari. calc shale slough)
Most shale slough + CS white-tan thin soft chky IP and F. in dense
(About vari. calc shale slough)
Most shale slough + CS white-tan thin soft chky IP and F. in dense



R.T.D  
 6-22-2009  
 10:45 AM

50

4500

50





24 S. Lincoln Street  
 P.O. Box 31  
 Russell, KS 67665-2906  
 Voice: (785) 483-3887  
 Fax: (785) 483-5566

# INVOICE

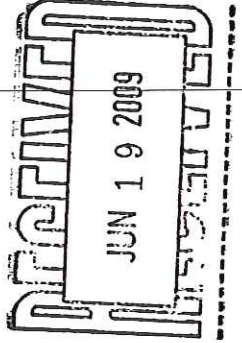
Invoice Number: 119096  
 Invoice Date: Jun 10, 2009  
 Page: 1

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

*well file*  
 Federal Tax I.D.#: 20-5975804  
*INT*

Customer ID	Well Name # or Customer P.O.	Payment Terms
Shak	Ottley #2-15	Net 30 Days
Job Location	Camp Location	Service Date
KS1-01	Oakley	Jun 10, 2009
		Due Date
		7/10/09

Quantity	Item	Description	Unit Price	Amount
170.00	MAT	Class A Common	15.45	2,626.50
3.00	MAT	Gel	20.80	62.40
6.00	MAT	Chloride	58.20	349.20
179.00	SER	Handling	2.40	429.60
20.00	SER	Mileage 179 sx @ .10 per sk per mi	17.90	358.00
1.00	SER	Surface	1,018.00	1,018.00
20.00	SER	Mileage Pump Truck	7.00	140.00
1.00	EQP	Surface Plug	68.00	68.00



Subtotal	5,051.70
Sales Tax	195.68
Total Invoice Amount	5,247.38
Payment/Credit Applied	
<b>TOTAL</b>	<b>5,247.38</b>

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

\$ 1010.34

ONLY IF PAID ON OR BEFORE

**Jul 10, 2009**

# ALLIED CEMENTING CO., LLC. 04247

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

DAKLEY

DATE	6-10-09	SEC.	27	TWP.	135	RANGE	32 W	CALLED OUT	ON LOCATION	JOB START	JOB FINISH	
LEASE	DAKLEY	WELL #	2-15	LOCATION				DAKLEY 205-1W-3/4N		2:30 PM	2:30 AM	3:50 AM
OLD OR NEW	(Circle one)											

CONTRACTOR H D DRLG REC # 2 OWNER SAME

TYPE OF JOB SURFACE CEMENT

HOLE SIZE 12 1/4" T.D. 228'

CASING SIZE 8 5/8" DEPTH 227'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX DEPTH

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 1 3/2 BALS

EQUIPMENT

PUMP TRUCK CEMENTER TERRY

# 422 HELPER WAYNE

BULK TRUCK DRIVER DARRIN

# 347

BULK TRUCK DRIVER

REMARKS:

2:30 AM Hook up to 8 5/8 TO BREAK  
CALCULATE. 2:35 AM START CEMENTING  
2:45 AM START DISPLACEMENT. 2:55 AM plug down  
3:00 AM TRUCK Packed up. Job complete.

CEMENT did CIRC.

THANK YOU

CHARGE TO: SHAKESPEARS OIL CO, INC

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

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 *Thanks!*

COMMON	<u>170 SKS</u>	@	<u>15 45</u>	<u>2626 50</u>
POZMIX		@		
GEL	<u>3 SKS</u>	@	<u>20 80</u>	<u>62 40</u>
CHLORIDE	<u>6 SKS</u>	@	<u>58 20</u>	<u>349 20</u>
ASC		@		
HANDLING	<u>179 SKS</u>	@	<u>2 40</u>	<u>429 60</u>
MILEAGE	<u>104 PER SK / MILE</u>			<u>558 00</u>
TOTAL				<u>3825 20</u>

DEPTH OF JOB	<u>227'</u>
PUMP TRUCK CHARGE	<u>1018 00</u>
EXTRA FOOTAGE	
MILEAGE	<u>20 @ 7 00</u>
MANIFOLD	
TOTAL	<u>1158 00</u>

<del>1-SURFACE PLUG</del>	@	
<u>1-SURFACE PLUG</u>	@	<u>68 00</u>
TOTAL		<u>68 00</u>

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

TOTAL CHARGES \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS \_\_\_\_\_



24 S. Lincoln Street  
 P.O. Box 31  
 Russell, KS 67665-2906  
 Voice: (785) 483-3887  
 Fax: (785) 483-5566

# INVOICE

Invoice Number: 119163  
 Invoice Date: Jun 23, 2009  
 Page: 1

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

Federal Tax I.D.#: 20-5975804

*Well Job*

Customer ID	Well Name# or Customer P.O.	Payment Terms
Shak	Otley #2-15	Net 30 Days
Job Location	Camp Location	Service Date
KS1-02	Oakley	Jun 23, 2009
		Due Date
		7/23/09

Quantity	Item	Description	Unit Price	Amount
180.00	MAT	ASC Class A	18.60	3,348.00
900.00	MAT	Kol Seal	0.89	801.00
121.00	MAT	CD-31	9.35	1,131.35
500.00	MAT	WFR-2	1.27	635.00
205.00	SER	Handling	2.40	492.00
20.00	SER	Mileage 205 sx @ .10 per sk per mi	20.50	410.00
1.00	SER	Production Casing	2,092.00	2,092.00
20.00	SER	Pump Truck Mileage	7.00	140.00
<b>REMAINING</b> JUL 02 2009				

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

\$ 1809.87

ONLY IF PAID ON OR BEFORE

Jul 23, 2009

Subtotal	9,049.35
Sales Tax	372.67
Total Invoice Amount	9,422.02
Payment/Credit Applied	
<b>TOTAL</b>	<b>9,422.02</b>

# ALLIED CEMENTING CO., LLC. 043630

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

Oakley

DATE <u>6-23-09</u>	SEC. <u>15</u>	TWP. <u>14s</u>	RANGE <u>32w</u>	CALLED OUT	ON LOCATION <u>9:30 Am</u>	JOB START	JOB FINISH
WELL # <u>275</u>	WELL # <u>275</u>	LOCATION <u>Oakley</u>	LOCATION <u>20s 1w 14N E into</u>		COUNTY <u>Logan</u>	STATE <u>Ks</u>	

OLD OR NEW (Circle one)

CONTRACTOR HAD Big 1 OWNER same

TYPE OF JOB Production

WELL SIZE 2 7/8 T.D.

casing size 5 1/2 DEPTH 4422'

tubing size DEPTH

DRILL PIPE DEPTH

TOOL JOINT collar DEPTH 2176'

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 42.52

CEMENT LEFT IN CSG. 42.52

PERFS.

DISPLACEMENT 105.42

EQUIPMENT

PUMP TRUCK CEMENTER Andrew

# 431 HELPER Kelly

BULK TRUCK DRIVER Darrin

# 342 DRIVER

BULK TRUCK DRIVER

#

CEMENT

AMOUNT ORDERED 180 sks ASC

5# KOI-seal 3/4 of 180 CO-31

COMMON	@#		
POZMIX	@		
GEL	@		
CHLORIDE	@		
ASC	@	<u>18.60</u>	<u>3348.00</u>
	@		
	@		
<u>KOI-seal</u>	@	<u>900#</u>	<u>-89</u>
	@		
<u>CO-31</u>	@	<u>121#</u>	<u>9.35</u>
	@		
<u>WFR-2</u>	@	<u>500 gal</u>	<u>1.27</u>
	@		
<u>HANDLING</u>	@	<u>205 sks</u>	<u>2.40</u>
	@		
<u>MILEAGE</u>	@	<u>10.5 mi</u>	<u>410.00</u>
	@		
			<u>TOTAL 6817.35</u>

REMARKS:

Pump 5 BBL water 500gal WFR-2 15  
90L water Plug Re-hole 30 sks mix  
150 sks down center wash pump and  
lines clean replace plug Plug landed  
float held. 200 LIFT 1400  
land

Thank you

CHARGE TO: Shakespeare o.i.l

STREET

CITY STATE ZIP

SERVICE

DEPTH OF JOB	<u>4422'</u>	
PUMP TRUCK CHARGE		<u>2092.00</u>
EXTRA FOOTAGE	@	
MILEAGE	@	<u>20 miles @ 7.00 140.00</u>
MANIFOLD	@	
	@	
	@	
	@	
	@	
		<u>TOTAL 2222.00</u>

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	
		<u>TOTAL</u>

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.

SALES TAX (if Any)

TOTAL CHARGES

DISCOUNT ~~\_\_\_\_\_~~ IF PAID IN 30 DAYS

PRINTED NAME T.C. LARSON

SIGNATURE T.C. Larson





24 S. Lincoln Street  
 P.O. Box 31  
 Russell, KS 67665-2906  
 Voice: (785) 483-3887  
 Fax: (785) 483-5566

# INVOICE

Invoice Number: 119189  
 Invoice Date: Jun 25, 2009  
 Page: 1

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

Federal Tax I.D.#: 20-5975804

*well file*

Customer ID	Well Name# or Customer P.O.	Payment Terms
Shak	Ottley #2-15	Net 30 Days
Job Location	Camp Location	Service Date
KS1-04	Oakley	Jun 25, 2009
		Due Date
		7/25/09

Quantity	Item	Description	Unit Price	Amount
210.00	MAT	Class A Common	15.45	3,244.50
140.00	MAT	Pozmix	8.00	1,120.00
24.00	MAT	Gel	20.80	499.20
496.00	SER	Handling	2.40	1,190.40
20.00	SER	Mileage 496 sx @ .10 per sk per mi	49.60	992.00
1.00	SER	Port Collar	1,185.00	1,185.00
20.00	SER	Pump Truck Mileage	7.00	140.00
<i>INT</i>				

**PAID**  
 JUL 09 2009

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

\$ 1674.23

ONLY IF PAID ON OR BEFORE

Jul 25, 2009

Subtotal	8,371.10
Sales Tax	306.41
Total Invoice Amount	8,677.51
Payment/Credit Applied	
<b>TOTAL</b>	<b>8,677.51</b>

# ALLIED CEMENTING CO., LLC. 043556

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

Oilfields

6-75-09 DATE	15 SEC.	145 TWP.	32w RANGE	CALLED OUT	ON LOCATION 11:00am	JOB START 7:00pm	JOB FINISH 5:00pm
04124 LEASE	WELL# 2-15			LOCATION Oakley 20s - (w- n)	COUNTY LOGAN	STATE KS	
OLD OR NEW (Circle one)							

CONTRACTOR Wild West Well Service OWNER Shalespeare

TYPE OF JOB Pore Collar

HOLE SIZE T.D.

CASING SIZE 5 1/2 DEPTH

TUBING SIZE 2 7/8 DEPTH 2166'

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX DEPTH

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT 8.44 BBLS

**EQUIPMENT**

PUMP TRUCK CEMENTER F2274

# LARRY HELPER 423

BULK TRUCK

# Tony DRIVER 394

BULK TRUCK

# DRIVER

**REMARKS:**

Press Tool to 1000#  
Open tool & set. c.s.c.  
Pump 350 SFs 65/35 8922d 14\* 2/10-seal  
Displace 8 BALS. Close tool  
press to 1000#. Run 4 SFs  
reversing the draw. Cement  
did include about 30 SFs  
Job complete @ 5:00pm  
THANKS TO WZ24  
for

CHARGE TO: Shalespeare Oil Gas

STREET \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**CEMENT**

AMOUNT ORDERED 450 65/35 8922d  
(14\* 2/10-seal) (used 350 SFs)  
500\* holls on side

COMMON	210	@	15 <sup>45</sup>	3244 <sup>50</sup>
POZMIX	140	@	8 <sup>00</sup>	1120 <sup>00</sup>
GEL	24	@	20 <sup>80</sup>	499 <sup>20</sup>
CHLORIDE		@		
ASC		@		
Holls		@	31 <sup>85</sup>	
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	496	@	2 <sup>00</sup>	1190 <sup>90</sup>
MILEAGE	110 x 54 mile	@		992 <sup>00</sup>
TOTAL				7046 <sup>10</sup>

**SERVICE**

DEPTH OF JOB				
PUMP TRUCK CHARGE				1185 <sup>00</sup>
EXTRA FOOTAGE				
MILEAGE	20	@	7 <sup>00</sup>	140 <sup>00</sup>
MANIFOLD		@		
		@		
		@		
TOTAL				1325 <sup>00</sup>

**PLUG & FLOAT EQUIPMENT**

	@			
	@			
	@			
	@			
	@			
TOTAL				

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

TOTAL CHARGES \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

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 T.C. LARSON

SIGNATURE T.C. Larson

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  
Ward Loyd, Commissioner  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

December 08, 2011

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

Re: ACO1  
API 15-109-20838-00-00  
Ottley 2-15  
SW/4 Sec.15-14S-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,  
Donald R. Williams

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  
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Sam Brownback, Governor

December 08, 2011

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

Re: ACO-1  
API 15-109-20838-00-00  
Ottley 2-15  
SW/4 Sec.15-14S-32W  
Logan County, Kansas

Dear Donald R. Williams:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 07/26/2011 and the ACO-1 was received on December 08, 2011 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department