

RECEIVED ORIGINAL

AUG 23 2010

Form ACO-1
September 1999
Form Must Be Typed

8/20/12

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION FORM

KCC WICHITA

WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 7311
Name: Shakespeare Oil Company, Inc.
Address: 202 West Main Street
City/State/Zip: Salem, IL 62881
Purchaser: NCRA
Operator Contact Person: Donald R. Williams
Phone: (618) 548-1585
Contractor: Name: WW Drilling, LLC
License: 33575

Wellsite Geologist: Tim Priest
Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, 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./SWD
 Plug Back _____ Plug Back Total Depth _____
 Commingled _____ Docket No. _____
 Dual Completion _____ Docket No. _____
 Other (SWD or Enhr.?) _____ Docket No. _____

7/20/10 7/30/10 8/17/10
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 109-20932 - 00 00
County: Logan
SE SW NW NE Sec. 14 Twp. 14 S. R. 32 East West
1180 feet from S / (N) (circle one) Line of Section
2230 feet from (E) / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) (NE) SE NW SW
Lease Name: Ottley Well #: 3-14
Field Name: Unnamed

Producing Formation: Morrow, Johnson, Myrick Station
Elevation: Ground: 2814' Kelly Bushing: 2819'
Total Depth: 4499' Plug Back Total Depth: 4459'
Amount of Surface Pipe Set and Cemented at 218' Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 2282' ~~2253~~ Feet
If Alternate II completion, cement circulated from 2282' ~~2253~~
feet depth to surface w/ 370 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content 6500 ppm Fluid volume 2500 bbls
Dewatering method used Evaporation
Location of fluid disposal if hauled offsite:
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Docket No.: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: Donald R. Williams
Title: Vice President Date: 8/20/10
Subscribed and sworn to before me this 20th day of August
2010.
Notary Public: Melissa A. Noel
Date Commission Expires: 11-16-11



KCC Office Use ONLY
Y Letter of Confidentiality Received 8/20/10 - 8/20/12
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
Alt 2 - Dig - 8/26/10

Operator Name: Shakespeare Oil Company, Inc. Lease Name: Ottley Well #: 3-14
 Sec. 14 Twp. 14 S. R. 32 East West County: Logan

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 copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken Yes No
(Attach Additional Sheets)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
(Submit Copy)

Log Formation (Top), Depth and Datum Sample
 Name Top Datum
 See Geological Report

List All E. Logs Run:

Dual Ind, CDL/CNL/GR, ML & Sonic

CASING RECORD <input checked="" 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
Surface	12 1/4"	8 5/8"	23#	218'	Class A	160	2% gel, 3% CaCl
Production	7 7/8"	5 1/2"	15.5#	4498'	ASC	195	5#/sk coal-seal & 3/4% CD-31

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	2282'-0'	Pozmix	370	65-35 poz w/8% gel & 1/4"/sk flocele

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
4	Johnson	500 gal 15% NeFe	4402-05, 4414-18
4	Myrick Station	500 gal 15% NEFe	4316-22
4	Morrow		4428-43, 4446-51

TUBING RECORD	Size 2 3/8"	Set At 4454'	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumerd Production, SWD or Enhr. 8/17/10
 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls. 70	Gas Mcf	Water Bbls. 0	Gas-Oil Ratio	Gravity 33
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Disposition of Gas METHOD OF COMPLETION Production Interval

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled
(If vented, Submit ACO-18.) Other (Specify) _____

Shakespeare Oil Company
 INCORPORATED
 202 WEST MAIN STREET
 SALEM, ILLINOIS
 62881
 WWW.SHAKESPEARE-OIL.COM

August 20, 2010

Kansas Corporation Commission
 Conservation Division
 130 South Market, Suite 2078
 Wichita, Kansas 67202-3801

Re: Form ACO-1
 Ottley #3-14
 Logan County, Kansas

KCC
 AUG 20 2010
 CONFIDENTIAL

Ladies and Gentlemen:

Enclosed please find the above referenced form for the Ottley #3-14 producing well located in Logan County, Kansas. Please keep information CONFIDENTIAL for as long as regulations allow.

If you require additional information, please contact me at 618-548-1585 or email me at don@shakespeare-oil.com.

Very truly yours,
 Shakespeare Oil Company, Inc.



Donald R. Williams
 Vice President

Encls.

cc: Well File
 Dale Helpingstine

RECEIVED
 AUG 23 2010
 KCC WICHITA



PO BOX 31 Russell, KS 67665

INVOICE

Invoice Number: 123819

Invoice Date: Jul 31, 2010

Voice: (785) 483-3887

Fax: (785) 483-5566

Page: 1

KCC
AUG 20 2010
CONFIDENTIAL

Bill To:

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

INT
File

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Shak	Ottley #3-14	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Jul 31, 2010	8/30/10

Quantity	Item	Description	Unit Price	Amount
225.00	MAT	ASC Class A	18.60	4,185.00
1,125.00	MAT	Gilsonite	0.89	1,001.25
158.00	MAT	CD 31	9.35	1,477.30
500.00	MAT	WFR-2	1.27	635.00
250.00	SER	Handling	2.40	600.00
20.00	SER	Mileage 250 sx @ .10 per sk per mi	25.00	500.00
1.00	SER	Production Casing	2,185.00	2,185.00
20.00	SER	Pump Truck Mileage	7.00	140.00

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KCC WICHITA

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

\$ 2144.00

ONLY IF PAID ON OR BEFORE
Aug 25, 2010

Subtotal	10,723.55
Sales Tax	532.79
Total Invoice Amount	11,256.34
Payment/Credit Applied	
TOTAL	11,256.34

ALLIED CEMENTING CO., LLC. 039053

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

SERVICE POINT:

Oakley

DATE <u>7-31-10</u>	SEC. <u>14</u>	TWP. <u>14s</u>	RANGE <u>32W</u>	CALLED OUT	ON LOCATION	JOB START <u>3:00pm</u>	JOB FINISH <u>3:30pm</u>
LEASE <u>Ottley</u>	WELL # <u>3-14</u>	LOCATION <u>Oakley 20s 1E 1N</u>		COUNTY <u>Wagon</u>	STATE <u>KS</u>		
OLD OR NEW (Circle one) <u>NEW</u>			E. Sinto				

AUG 20 2010
KCC
CONFIDENTIAL

CONTRACTOR W + W Rig 10

TYPE OF JOB Production

HOLE SIZE 2 7/8 T.D. 4499'

CASING SIZE 5 1/2 DEPTH 4501

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL Port collar DEPTH 2253'

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT 33'

CEMENT LEFT IN CSG. 33

PERFS. _____

DISPLACEMENT 106.33 BBL

OWNER same

CEMENT AMOUNT ORDERED 225 SKS ASC

5# Gilsonite 340# CD-31

500gal WFR-2

COMMON _____	@ _____	AUG 23 2010
POZMIX _____	@ _____	
GEL _____	@ _____	KCC-WICHITA
CHLORIDE _____	@ _____	
ASC <u>225 SKS</u>	@ <u>18.60</u>	<u>4185.00</u>
<u>Gilsonite 1125#</u>	@ <u>.89</u>	<u>1001.25</u>
<u>CD 31 158#</u>	@ <u>9.35</u>	<u>1477.30</u>
<u>WFR-2 500gal</u>	@ <u>1.27</u>	<u>635.00</u>
HANDLING <u>250 SKS</u>	@ <u>2.40</u>	<u>600.00</u>
MILEAGE <u>10# SK/mile</u>		<u>500.00</u>
		TOTAL <u>8398.55</u>

EQUIPMENT

PUMP TRUCK CEMENTER Andrew

423-281 HELPER Larene

BULK TRUCK DRIVER Bill

354

BULK TRUCK DRIVER _____

REMARKS:

pump 500gal water 500gal WFR-2
1500gal water plug rat hole 30skts
mix 195 skts down 5" casing wash
pump and lines clean Displace
plug 800# lift pressure
Land plug 1600# float held

thank you

CHARGE TO: shakespeare oil gas

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB <u>4501'</u>	
PUMP TRUCK CHARGE _____	<u>2185.00</u>
EXTRA FOOTAGE _____	@ _____
MILEAGE <u>20 miles</u>	@ <u>7.00</u> <u>140.00</u>
MANIFOLD _____	@ _____
_____	@ _____
_____	@ _____
TOTAL <u>2325.00</u>	

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 [Signature]

SIGNATURE _____

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS



PO BOX 31 Russell, KS 67665

INVOICE

Invoice Number: 123647

Invoice Date: Jul 20, 2010

Page: 1

Voice: (785) 483-3887

Fax: (785) 483-5566

KCC

AUG 20 2010

CONFIDENTIAL

INT file

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

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Shak	Ottley #03-14	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Jul 20, 2010	8/19/10

Quantity	Item	Description	Unit Price	Amount
165.00	MAT	Class A Common	15.45	2,549.25
3.00	MAT	Gel	20.80	62.40
6.00	MAT	Chloride	58.20	349.20
174.00	SER	Handling	2.40	417.60
20.00	SER	Mileage 174 sx @.10 per sk per mi	17.40	348.00
1.00	SER	Surface	1,018.00	1,018.00
20.00	SER	Pump Truck Mileage	7.00	140.00

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KCC WICHITA

Subtotal	4,884.45
Sales Tax	216.14
Total Invoice Amount	5,100.59
Payment/Credit Applied	
TOTAL	5,100.59

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

\$ 976.89

ONLY IF PAID ON OR BEFORE

Aug 14, 2010



PO BOX 31 Russell, KS 67665

INVOICE

Invoice Number: 123915

Invoice Date: Aug 5, 2010

Page: 1

Phone: (785) 483-3887

Fax: (785) 483-5566

Bill To:

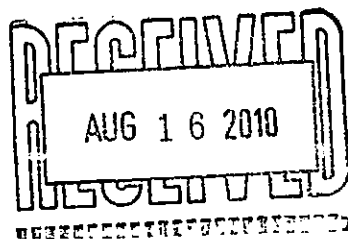
Shakespeare Oil Co., Inc.
202 West Main St.
Salem, IL 62881

KCC
AUG 20 2010
CONFIDENTIAL

file INT

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Shak	Ottley #3-14	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-04	Oakley	Aug 5, 2010	9/4/10

Quantity	Item	Description	Unit Price	Amount
241.00	MAT	Class A Common	15.45	3,723.45
129.00	MAT	Pozmix	8.00	1,032.00
26.00	MAT	Gel	20.80	540.80
93.00	MAT	Flo Seal	2.50	232.50
486.00	SER	Handling	2.40	1,166.40
20.00	SER	Mileage 486 sx @ .10 per sk per mi	48.60	972.00
1.00	SER	Port Collar	1,185.00	1,185.00
20.00	SER	Pump Truck Mileage	7.00	140.00



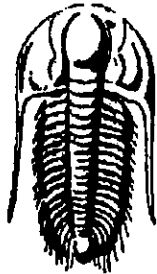
RECEIVED
AUG 23 2010
KCC WICHITA

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

\$ 1798.43

ONLY IF PAID ON OR BEFORE
Aug 30, 2010

Subtotal	8,992.15
Sales Tax	403.60
Total Invoice Amount	9,395.75
Payment/Credit Applied	
TOTAL	9,395.75



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co., Inc.**

202 W Main
Salem IL 62881

ATTN: Tim Priest

14-14s-32w Logan KS

Ottley #3-14

Start Date: 2010.07.24 @ 09:38:05

End Date: 2010.07.24 @ 16:38:14

Job Ticket #: 39628 DST #: 1

**KCC
AUG 20 2010
CONFIDENTIAL**

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

**RECEIVED
AUG 23 2010
KCC WICHITA**

Shakespeare Oil Co., Inc.

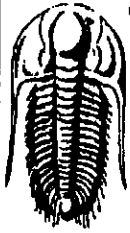
Ottley #3-14

14-14s-32w Logan KS

DST # 1

Lans. "A&B"

2010.07.24



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shakespeare Oil Co., Inc.
202 W Main
Salem IL 62881
ATTN: Tim Priest

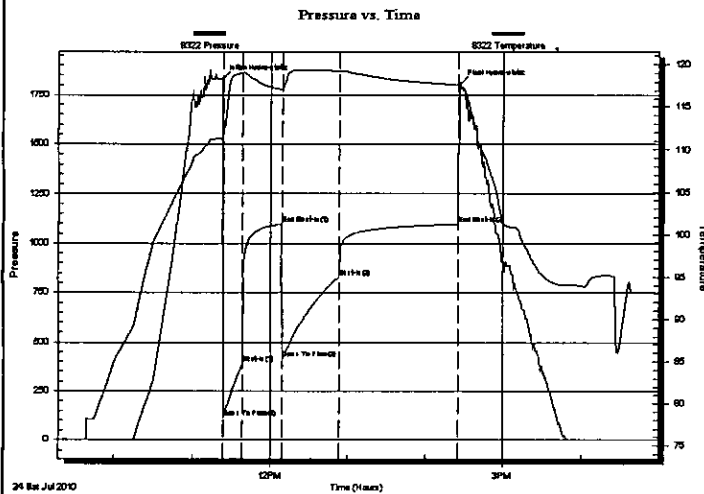
Ottley #3-14
14-14s-32w Logan KS
Job Ticket: 39628 DST#: 1
Test Start: 2010.07.24 @ 09:38:05

GENERAL INFORMATION:

Formation: **Lans. "A&B"**
Deviated: **No Whipstock:** ft (KB)
Time Tool Opened: **11:23:15**
Time Test Ended: **16:38:14**
Interval: **3818.00 ft (KB) To 3867.00 ft (KB) (TVD)**
Total Depth: **3867.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**
Test Type: **Conventional Bottom Hole**
Tester: **Brandon Domsch**
Unit No: **48**
Reference Elevations: **2819.00 ft (KB)**
2814.00 ft (CF)
KB to GR/CF: **5.00 ft**

Serial #: 8322 Inside
Press@RunDepth: **830.64 psig @ 3819.00 ft (KB)**
Start Date: **2010.07.24** End Date: **2010.07.24** Capacity: **8000.00 psig**
Start Time: **09:38:05** End Time: **16:38:14** Last Calib.: **2010.07.24**
Time On Btm: **2010.07.24 @ 11:22:45**
Time Off Btm: **2010.07.24 @ 14:26:15**

TEST COMMENT: IF: BOB in 2 1/2 mins.
IS: Weak surface died in 5 mins.
FF: BOB in 4 mins.
FS: No return.



PRESSURE SUMMARY

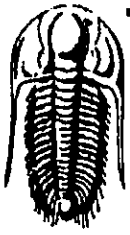
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1832.05	111.24	Initial Hydro-static
1	114.82	111.19	Open To Flow (1)
16	389.51	119.05	Shut-In(1)
47	1099.04	117.06	End Shut-In(1)
47	414.76	117.09	Open To Flow (2)
91	830.64	119.24	Shut-In(2)
183	1098.56	117.66	End Shut-In(2)
184	1809.41	117.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
95.00	HWCM 40%W 60%M	0.47
1720.00	SMCW 95%w 5%M	23.86

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co., Inc.

Ottley #3-14

202 W Main
Salem IL 62881

14-14s-32w Logan KS

Job Ticket: 39628

DST#: 1

ATTN: Tim Priest

Test Start: 2010.07.24 @ 09:38:05

Tool Information

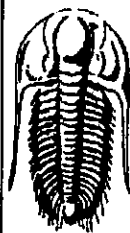
Drill Pipe:	Length: 3704.00 ft	Diameter: 3.80 inches	Volume: 51.96 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 60000.00 lb
			Total Volume: 52.57 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3818.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	49.00 ft			
Tool Length:	69.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3799.00	
Shut In Tool	5.00			3804.00	
Hydraulic tool	5.00			3809.00	
Packer	5.00			3814.00	20.00 Bottom Of Top Packer
Packer	4.00			3818.00	
Stubb	1.00			3819.00	
Recorder	0.00	8322	Inside	3819.00	
Recorder	0.00	8166	Outside	3819.00	
Perforations	11.00			3830.00	
Change Over Sub	1.00			3831.00	
Drill Pipe	32.00			3863.00	
Change Over Sub	1.00			3864.00	
Bullnose	3.00			3867.00	49.00 Bottom Packers & Anchor

Total Tool Length: 69.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co., Inc.

Ottley #3-14

202 W Main
Salem IL 62881

14-14s-32w Logan KS

Job Ticket: 39628 DST#: 1

ATTN: Tim Priest

Test Start: 2010.07.24 @ 09:38:05

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:

32000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.89 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
95.00	HWCM 40%W 60%M	0.467
1720.00	SMCW 95%w 5%M	23.863

Total Length: 1815.00 ft Total Volume: 24.330 bbl

Num Fluid Samples: 0

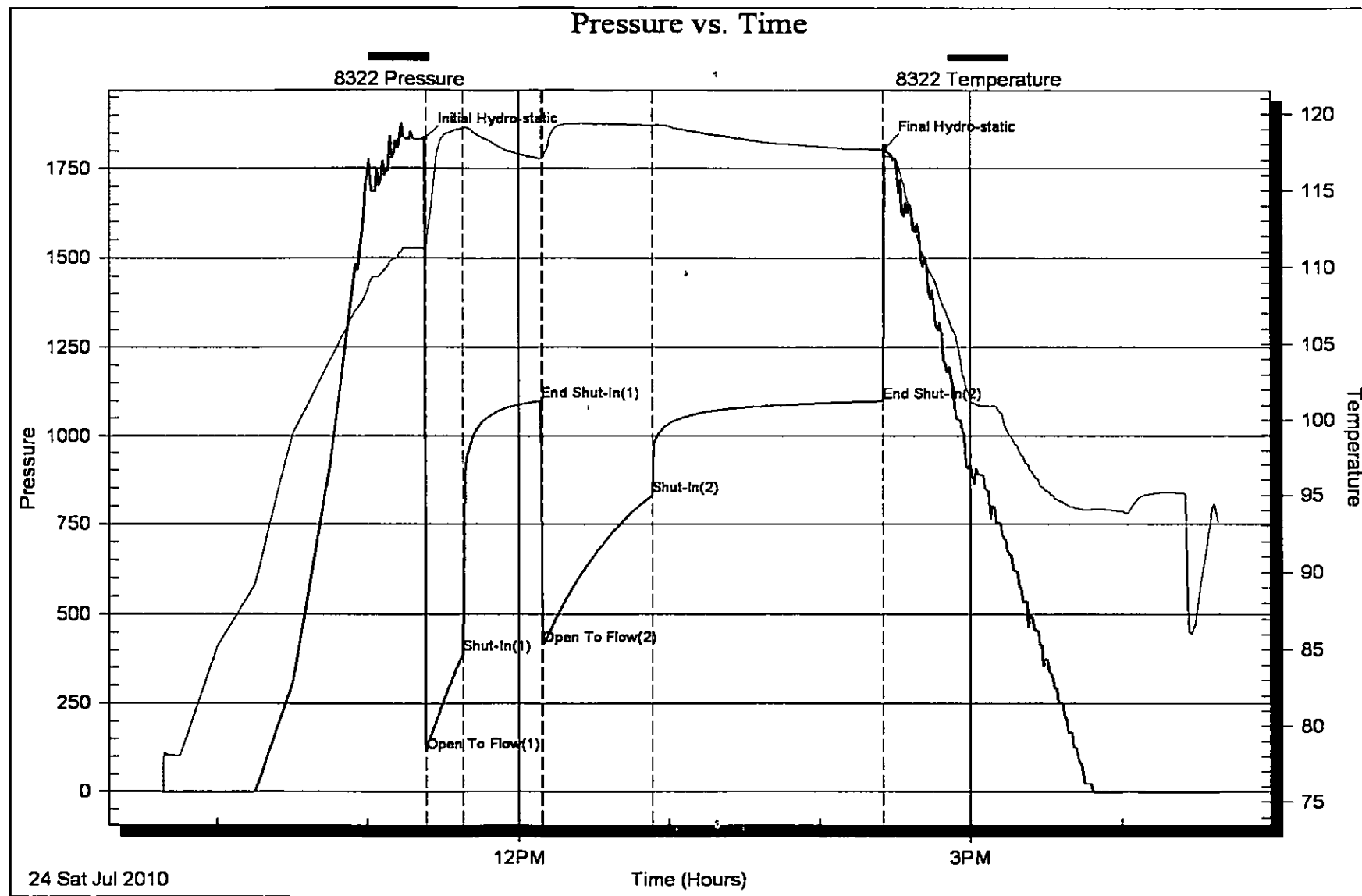
Num Gas Bombs: 0

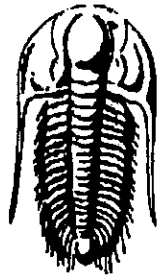
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: FW= .157@95F=32000





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co., Inc.**

202 W Main
Salem IL 62881

ATTN: Tim Priest

14-14s-32w Logan KS

Ottley #3-14

Start Date: 2010.07.24 @ 22:55:05

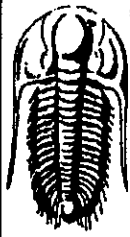
End Date: 2010.07.25 @ 06:07:14

Job Ticket #: 39629 DST #: 2

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., Inc.

Ottley #3-14

202 W Main
Salem IL 62881

14-14s-32w Logan KS

Job Ticket: 39629

DST#: 2

ATTN: Tim Priest

Test Start: 2010.07.24 @ 22:55:05

GENERAL INFORMATION:

Formation: **Lans. C**

Deviated: **No Whipstock:** ft (KB)

Time Tool Opened: 00:54:00

Time Test Ended: 06:07:14

Test Type: **Conventional Bottom Hole**

Tester: **Brandon Domsch**

Unit No: **48**

Interval: **3867.00 ft (KB) To 3893.00 ft (KB) (TVD)**

Reference Elevations: **2819.00 ft (KB)**

Total Depth: **3893.00 ft (KB) (TVD)**

2814.00 ft (CF)

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

KB to GR/CF: **5.00 ft**

Serial #: 8322

Inside

Press@RunDepth: **353.26 psig @ 3868.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2010.07.24**

End Date: **2010.07.25**

Last Calib.: **2010.07.25**

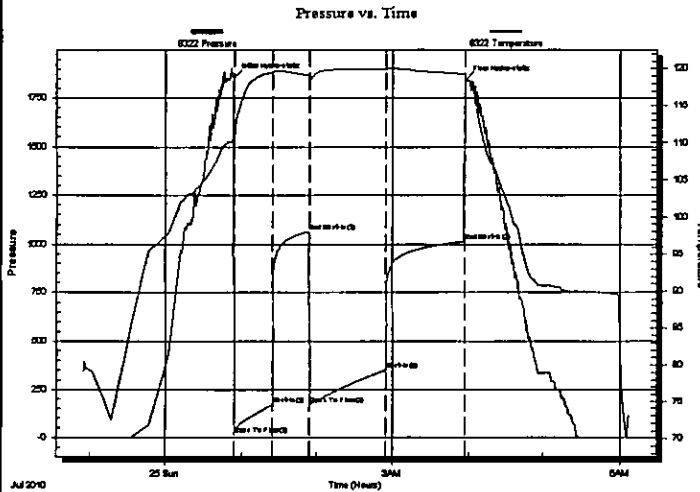
Start Time: **22:55:05**

End Time: **06:07:14**

Time On Btm: **2010.07.25 @ 00:53:45**

Time Off Btm: **2010.07.25 @ 03:58:00**

TEST COMMENT: IF: BOB in 13 mins.
IS: No return.
FF: BOB in 25 mins.
FS: No return.



PRESSURE SUMMARY

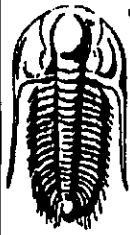
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1860.18	110.62	Initial Hydro-static
1	17.94	109.92	Open To Flow (1)
31	168.40	119.51	Shut-In(1)
60	1063.35	119.09	End Shut-In(1)
61	171.55	118.84	Open To Flow (2)
121	353.26	119.91	Shut-In(2)
183	1016.22	119.29	End Shut-In(2)
185	1846.50	118.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
900.00	SMCW 95%W 5%M	11.50
30.00	SWCM 10%W,90%M	0.42

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co., Inc.

Ottley #3-14

202 W Main
Salem IL 62881

14-14s-32w Logan KS

Job Ticket: 39629

DST#: 2

ATTN: Tim Priest

Test Start: 2010.07.24 @ 22:55:05

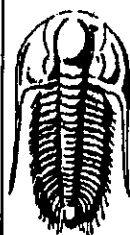
Tool Information

Drill Pipe:	Length: 3736.00 ft	Diameter: 3.80 inches	Volume: 52.41 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 53.02 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3867.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	46.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3848.00	
Shut In Tool	5.00			3853.00	
Hydraulic tool	5.00			3858.00	
Packer	5.00			3863.00	20.00 Bottom Of Top Packer
Packer	4.00			3867.00	
Stubb	1.00			3868.00	
Recorder	0.00	8322	Inside	3868.00	
Recorder	0.00	8166	Outside	3868.00	
Perforations	22.00			3890.00	
Bullnose	3.00			3893.00	26.00 Bottom Packers & Anchor
Total Tool Length:	46.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co., Inc.

Ottley #3-14

202 W Main
Salem IL 62881

14-14s-32w Logan KS

Job Ticket: 39629

DST#: 2

ATTN: Tim Priest

Test Start: 2010.07.24 @ 22:55:05

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:

36000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.88 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
900.00	SMCW 95%W 5%M	11.495
30.00	SWCM 10%W,90%M	0.421

Total Length: 930.00 ft Total Volume: 11.916 bbl

Num Fluid Samples: 0

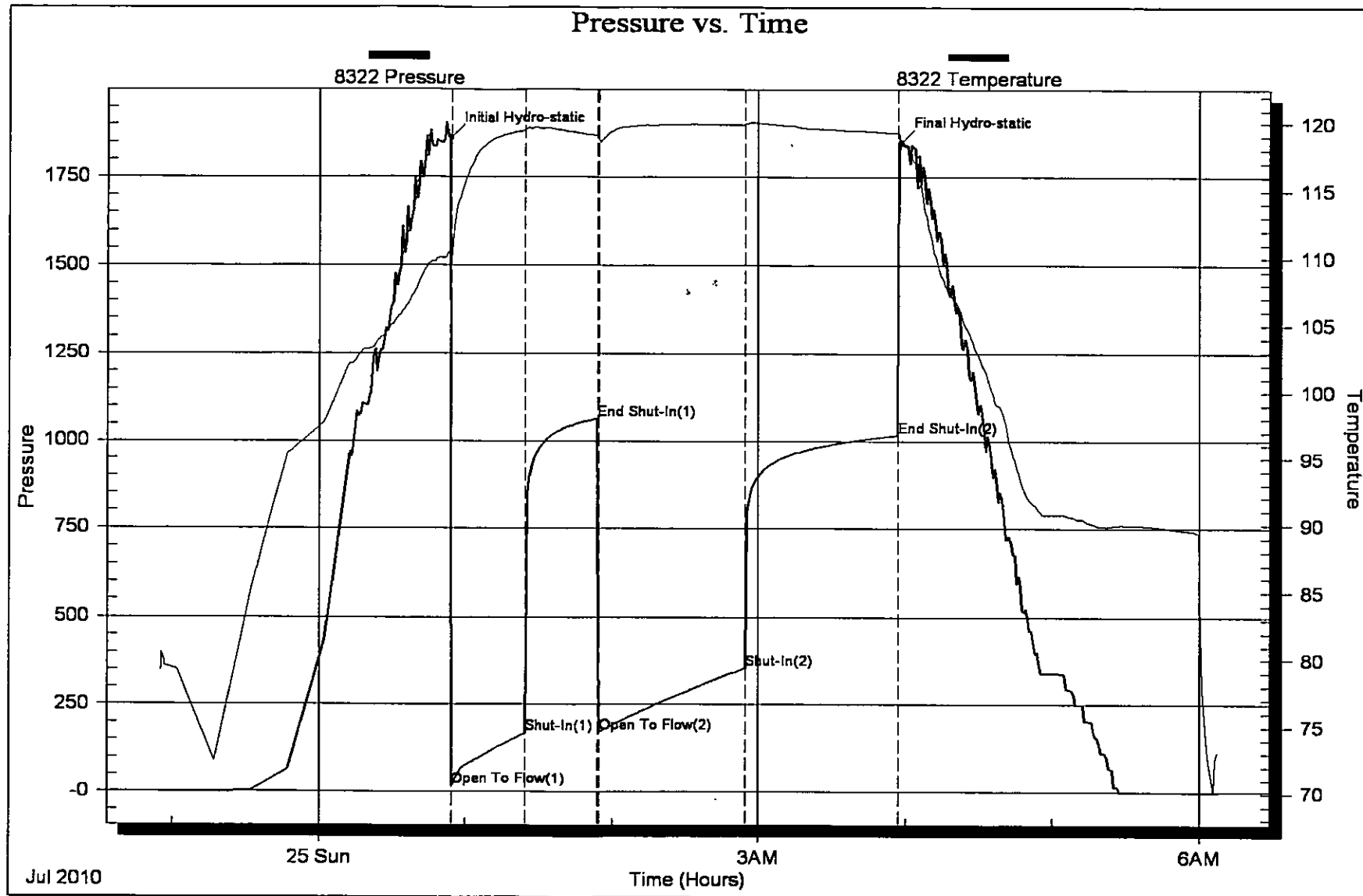
Num Gas Bombs: 0

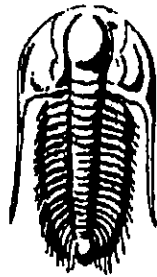
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW=.221@65F=36000





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co., Inc.**

202 W Main
Salem IL 62881

ATTN: Tim Priest

14-14s-32w Logan KS

Ottley #3-14

Start Date: 2010.07.25 @ 13:35:05

End Date: 2010.07.25 @ 18:49:29

Job Ticket #: 39630 DST #: 3

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., Inc.

Ottley #3-14

202 W Main
Salem IL 62881

14-14s-32w Logan KS

ATTN: Tim Priest

Job Ticket: 39630

DST#: 3

Test Start: 2010.07.25 @ 13:35:05

GENERAL INFORMATION:

Formation: **Lans. E&F**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 15:20:00

Time Test Ended: 18:49:29

Test Type: **Conventional Bottom Hole**

Tester: **Brandon Domsch**

Unit No: **48**

Interval: **3905.00 ft (KB) To 3922.00 ft (KB) (TVD)**

Total Depth: **3922.00 ft (KB) (TVD)**

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

Reference Elevations: **2819.00 ft (KB)**

2814.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8322

Inside

Press@RunDepth: **11.69 psig @ 3906.00 ft (KB)**

Start Date: **2010.07.25**

End Date:

2010.07.25

Start Time: **13:35:05**

End Time:

18:49:29

Capacity: **8000.00 psig**

Last Calib.: **2010.07.25**

Time On Btm: **2010.07.25 @ 15:19:45**

Time Off Btm: **2010.07.25 @ 17:21:45**

TEST COMMENT:

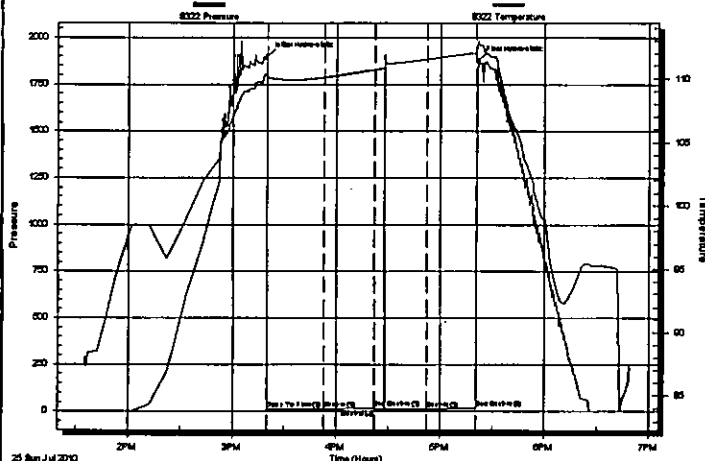
IF: No blow.

IS: No return.

FF: No blow, flushed tool @ 5 mins, no blow.

FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

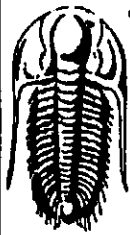
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1904.51	110.37	Initial Hydro-static
1	11.03	110.08	Open To Flow (1)
33	11.69	110.06	Shut-In(1)
62	18.34	110.68	End Shut-In(1)
63	10.30	110.68	Shut-In(2)
93	11.76	111.52	Shut-In(3)
121	17.89	112.06	End Shut-In(2)
122	1881.83	112.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co., Inc.

Ottley #3-14

202 W Main
Salem IL 62881

14-14s-32w Logan KS

Job Ticket: 39630

DST#: 3

ATTN: Tim Priest

Test Start: 2010.07.25 @ 13:35:05

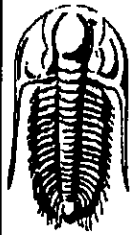
Tool Information

Drill Pipe:	Length: 3769.00 ft	Diameter: 3.80 inches	Volume: 52.87 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 53.48 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 41000.00 lb
Depth to Top Packer:	3905.00 ft			Final 41000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	17.00 ft			
Tool Length:	37.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3886.00	
Shut In Tool	5.00			3891.00	
Hydraulic tool	5.00			3896.00	
Packer	5.00			3901.00	20.00 Bottom Of Top Packer
Packer	4.00			3905.00	
Stubb	1.00			3906.00	
Recorder	0.00	8322	Inside	3906.00	
Recorder	0.00	8166	Outside	3906.00	
Perforations	13.00			3919.00	
Bullnose	3.00			3922.00	17.00 Bottom Packers & Anchor
Total Tool Length:	37.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co., Inc.

Ottley #3-14

202 W Main
Salem IL 62881

14-14s-32w Logan KS

Job Ticket: 39630

DST#: 3

ATTN: Tim Priest

Test Start: 2010.07.25 @ 13:35:05

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: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.90 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud	0.025

Total Length: 5.00 ft

Total Volume: 0.025 bbl

Num Fluid Samples: 0

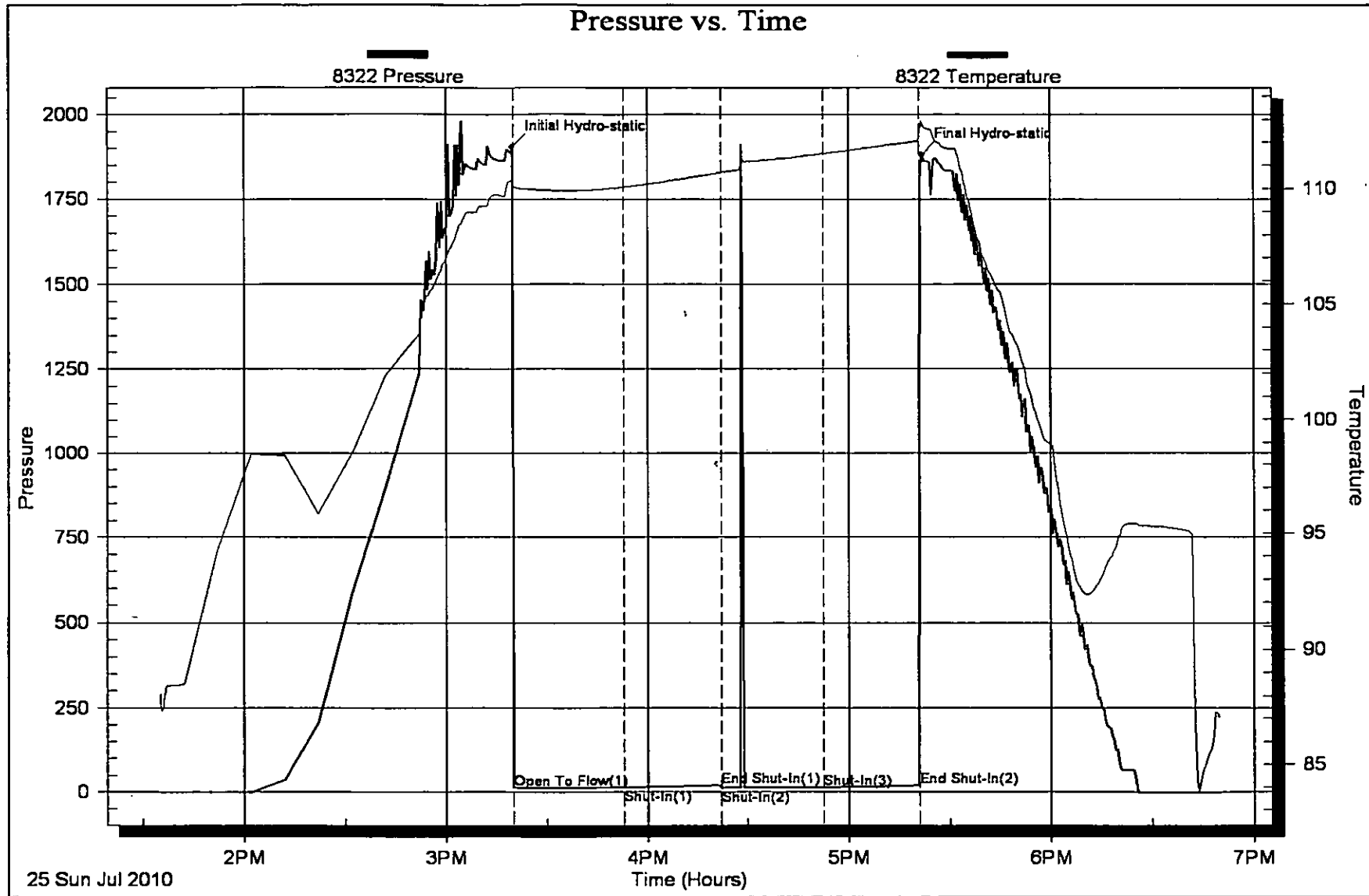
Num Gas Bombs: 0

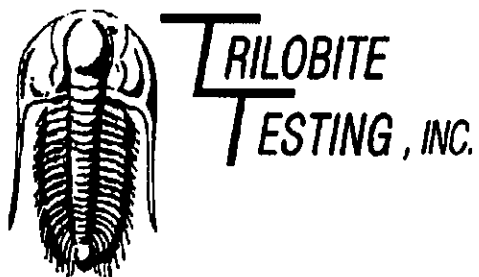
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co., Inc.**

202 W Main
Salem IL 62881

ATTN: Tim Priest

14-14s-32w Logan KS

Ottley #3-14

Start Date: 2010.07.26 @ 08:36:05

End Date: 2010.07.26 @ 14:20:59

Job Ticket #: 39631 DST #: 4

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., Inc.

Ottley #3-14

202 W Main
Salem IL 62881

14-14s-32w Logan KS

ATTN: Tim Priest

Job Ticket: 39631 DST#: 4

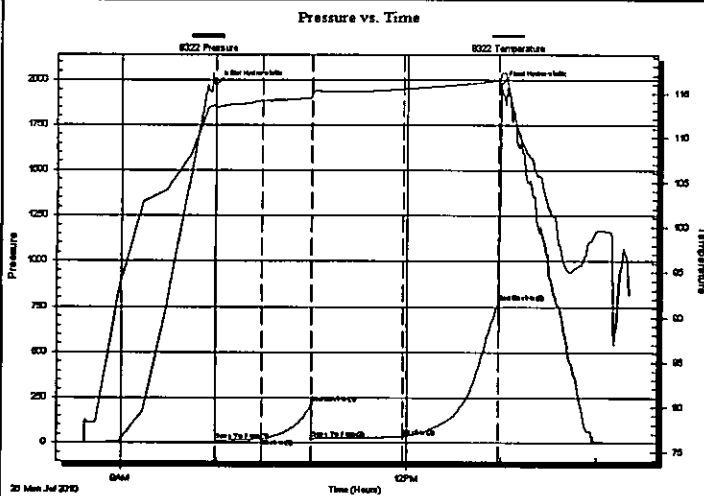
Test Start: 2010.07.26 @ 08:36:05

GENERAL INFORMATION:

Formation: **Lans I**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: 09:59:00
 Time Test Ended: 14:20:59
 Interval: **4014.00 ft (KB) To 4050.00 ft (KB) (TVD)**
 Total Depth: **4050.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**
 Test Type: **Conventional Bottom Hole**
 Tester: **Brandon Domsch**
 Unit No: **48**
 Reference Elevations: **2819.00 ft (KB)**
2814.00 ft (CF)
 KB to GR/CF: **5.00 ft**

Serial #: 8322 Inside
 Press@RunDepth: **33.89 psig @ 4015.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2010.07.26** End Date: **2010.07.26** Last Calib.: **2010.07.26**
 Start Time: **08:36:05** End Time: **14:20:59** Time On Btm: **2010.07.26 @ 09:58:45**
 Time Off Btm: **2010.07.26 @ 12:59:14**

TEST COMMENT: IF: Built to 3/4 inch.
 IS: No return.
 FF: Built to 1 inch died in 55 mins.
 FS: No return.



PRESSURE SUMMARY

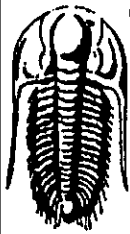
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1975.69	113.64	Initial Hydro-static
1	12.46	113.16	Open To Flow (1)
30	21.25	114.17	Shut-In(1)
61	216.77	114.54	End Shut-In(1)
61	22.34	115.05	Open To Flow (2)
119	33.89	115.50	Shut-In(2)
180	772.53	116.44	End Shut-In(2)
181	1978.04	117.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	OCM 10% O 90% M	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co., Inc.

Ottley #3-14

202 W Main
Salem IL 62881

14-14s-32w Logan KS

Job Ticket: 39631

DST#: 4

ATTN: Tim Priest

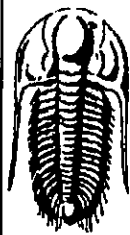
Test Start: 2010.07.26 @ 08:36:05

Tool Information

Drill Pipe:	Length: 3895.00 ft	Diameter: 3.80 inches	Volume: 54.64 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 55.25 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	4014.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	36.00 ft			
Tool Length:	56.00 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			3995.00	
Shut In Tool	5.00			4000.00	
Hydraulic tool	5.00			4005.00	
Packer	5.00			4010.00	20.00 Bottom Of Top Packer
Packer	4.00			4014.00	
Stubb	1.00			4015.00	
Recorder	0.00	8322	Inside	4015.00	
Recorder	0.00	8166	Outside	4015.00	
Perforations	32.00			4047.00	
Bullnose	3.00			4050.00	36.00 Bottom Packers & Anchor
Total Tool Length:	56.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co., Inc.

Ottley #3-14

202 W Main
Salem IL 62881

14-14s-32w Logan KS

Job Ticket: 39631 **DST#: 4**

ATTN: Tim Priest

Test Start: 2010.07.26 @ 08:36:05

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 50.00 sec/qt
Water Loss: 9.50 in³
Resistivity: 0.00 ohm.m
Salinity: 2500.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

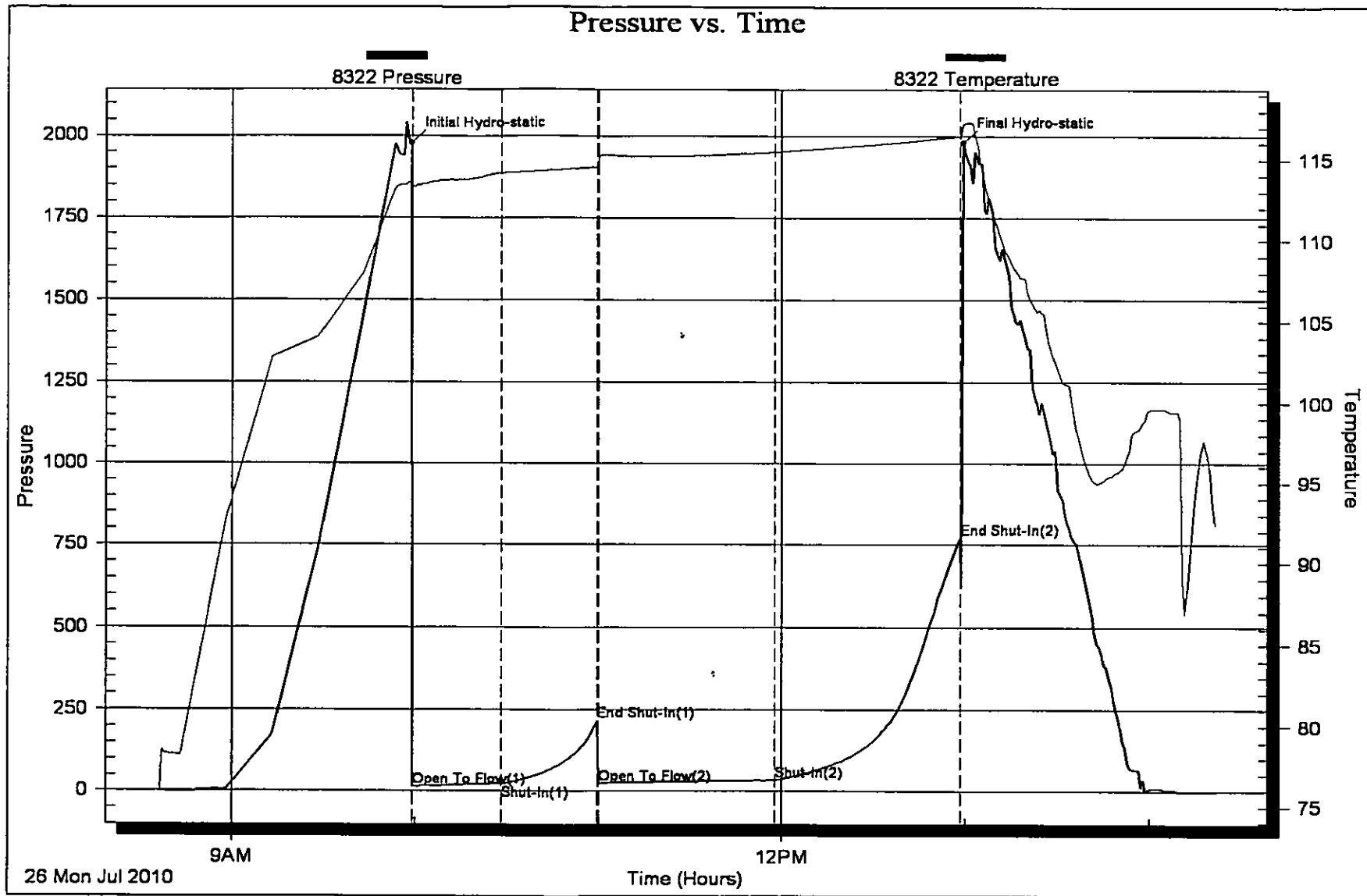
Length ft	Description	Volume bbl
15.00	OCM 10%O 90%M	0.074

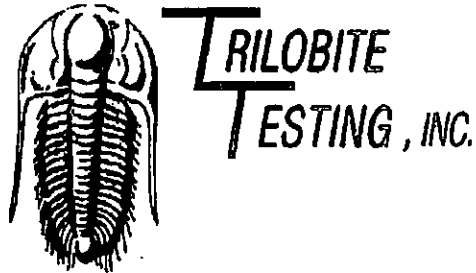
Total Length: 15.00 ft Total Volume: 0.074 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co., Inc.**

202 W Main
Salem IL 62881

ATTN: Tim Priest

14-14s-32w Logan KS

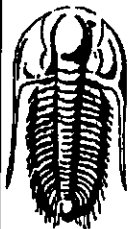
Ottley #3-14

Start Date: 2010.07.26 @ 22:30:05

End Date: 2010.07.27 @ 04:06:44

Job Ticket #: 39632 DST #: 5

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., Inc.

202 W Main
Salem IL 62881

ATTN: Tim Priest

Ottley #3-14

14-14s-32w Logan KS

Job Ticket: 39632

DST#: 5

Test Start: 2010.07.26 @ 22:30:05

GENERAL INFORMATION:

Formation: **Lans. K**

Deviated: **No Whipstock** ft (KB)

Time Tool Opened: 00:11:15

Time Test Ended: 04:06:44

Test Type: **Conventional Bottom Hole**

Tester: **Brandon Domsch**

Unit No: **48**

Interval: **4064.00 ft (KB) To 4100.00 ft (KB) (TVD)**

Total Depth: **4100.00 ft (KB) (TVD)**

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

Reference Elevations: **2819.00 ft (KB)**

2814.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 8322 Inside

Press@RunDepth: **41.43 psig @ 4065.00 ft (KB)**

Start Date: **2010.07.26**

End Date: **2010.07.27**

Start Time: **22:30:05**

End Time: **04:06:44**

Capacity: **8000.00 psig**

Last Calib.: **2010.07.27**

Time On Btm: **2010.07.27 @ 00:10:15**

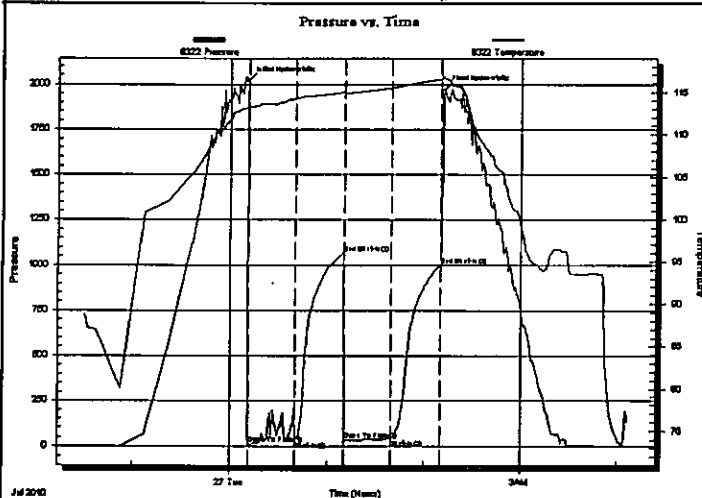
Time Off Btm: **2010.07.27 @ 02:12:00**

TEST COMMENT: IF: Built to 1 inch died in 26 mins.

IS: No return.

FF: No blow.

FS: No return.



PRESSURE SUMMARY

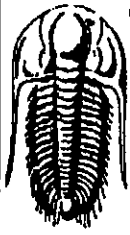
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2019.41	113.16	Initial Hydro-static
1	13.31	113.09	Open To Flow (1)
30	30.62	114.19	Shut-In(1)
60	1067.82	115.08	End Shut-In(1)
61	31.25	114.94	Open To Flow (2)
90	41.43	115.53	Shut-In(2)
120	999.50	116.52	End Shut-In(2)
122	1971.21	116.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	SWC O spotted M 95% m 5% w	0.30

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co., Inc.

Ottley #3-14

202 W Main
Salem IL 62881

14-14s-32w Logan KS

Job Ticket: 39632

DST#: 5

ATTN: Tim Priest

Test Start: 2010.07.26 @ 22:30:05

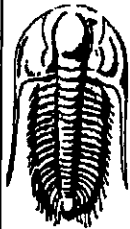
Tool Information

Drill Pipe:	Length: 3927.00 ft	Diameter: 3.80 inches	Volume: 55.09 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 5000.00 lb
			<u>Total Volume: 55.70 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	4064.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	36.00 ft			
Tool Length:	56.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4045.00	
Shut In Tool	5.00			4050.00	
Hydraulic tool	5.00			4055.00	
Packer	5.00			4060.00	20.00 Bottom Of Top Packer
Packer	4.00			4064.00	
Stubb	1.00			4065.00	
Recorder	0.00	8322	Inside	4065.00	
Recorder	0.00	8166	Outside	4065.00	
Perforations	32.00			4097.00	
Bullnose	3.00			4100.00	36.00 Bottom Packers & Anchor
Total Tool Length:	56.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co., Inc.

Ottley #3-14

202 W Main
Salem IL 62881

14-14s-32w Logan KS

Job Ticket: 39632

DST#: 5

ATTN: Tim Priest

Test Start: 2010.07.26 @ 22:30:05

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: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.31 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	SWC O spotted M 95% m 5% w	0.295

Total Length: 60.00 ft Total Volume: 0.295 bbl

Num Fluid Samples: 0

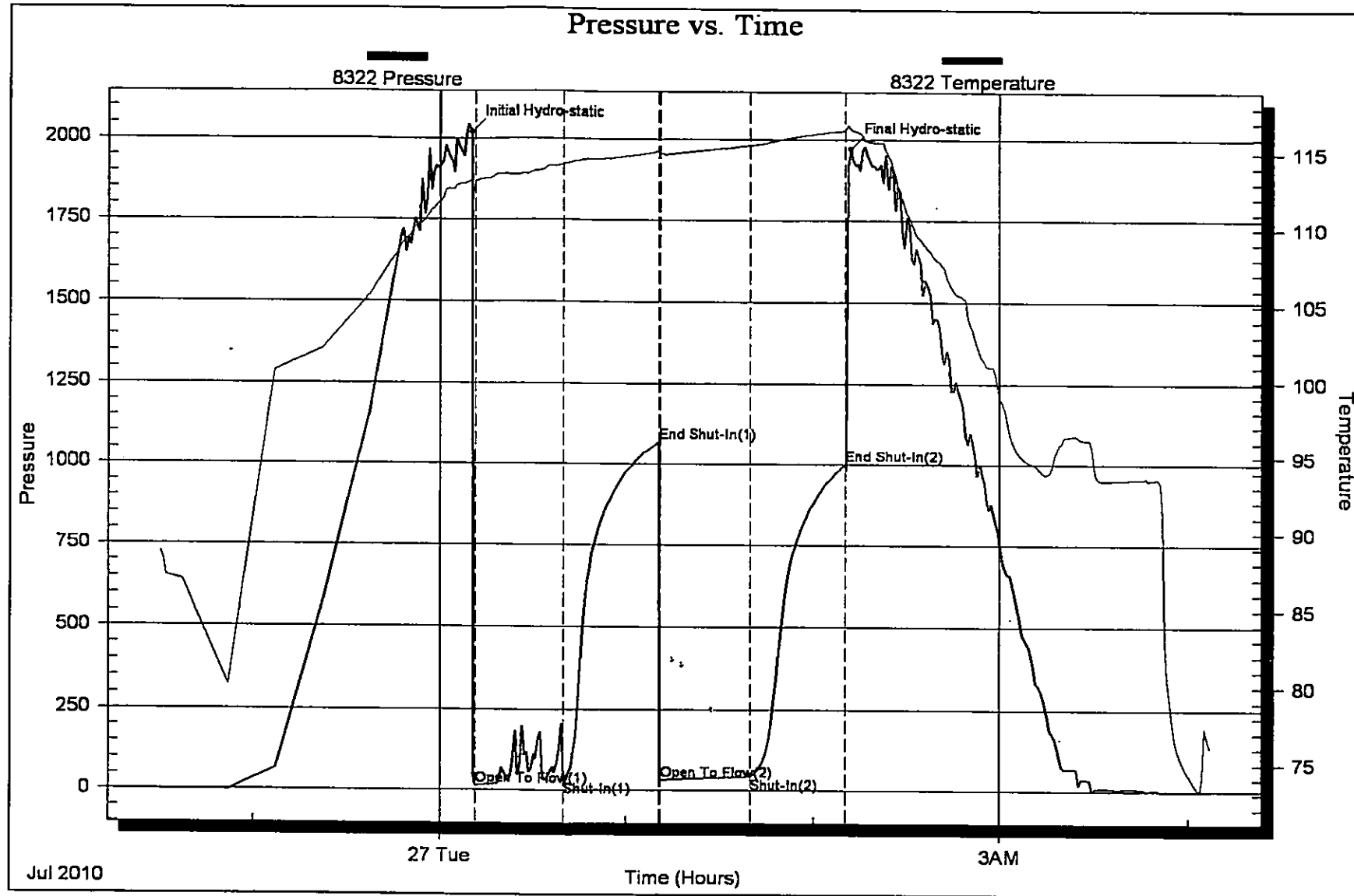
Num Gas Bombs: 0

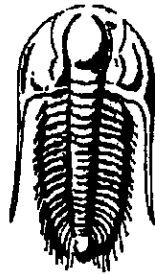
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co., Inc.**

202 W Main
Salem IL 62881

ATTN: Tim Priest

14-14s-32w Logan KS

Ottley #3-14

Start Date: 2010.07.28 @ 01:49:05

End Date: 2010.07.28 @ 10:00:29

Job Ticket #: 39633 DST #: 6

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Shakespeare Oil Co., Inc.

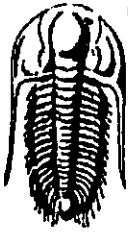
Ottley #3-14

14-14s-32w Logan KS

DST # 6

Myric Station

2010.07.28



**TRIOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shakespeare Oil Co., Inc.

Ottley #3-14

202 W Main
Salem IL 62881

14-14s-32w Logan KS

Job Ticket: 39633

DST#: 6

ATTN: Tim Priest

Test Start: 2010.07.28 @ 01:49:05

GENERAL INFORMATION:

Formation: **Myric Station**

Deviated: **No Whipstock:** ft (KB)

Time Tool Opened: 04:34:15

Time Test Ended: 10:00:29

Test Type: **Conventional Bottom Hole**

Tester: **Brandon Domsch**

Unit No: **48**

Interval: **4296.00 ft (KB) To 4326.00 ft (KB) (TVD)**

Reference Elevations: **2819.00 ft (KB)**

Total Depth: **4326.00 ft (KB) (TVD)**

2814.00 ft (CF)

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

KB to GR/CF: **5.00 ft**

Serial #: 8322

Inside

Press@RunDepth: **47.74 psig @ 4297.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2010.07.28**

End Date:

2010.07.28

Last Calib.:

2010.07.28

Start Time: **01:49:05**

End Time:

10:00:29

Time On Btm:

2010.07.28 @ 04:33:45

Time Off Btm:

2010.07.28 @ 08:19:14

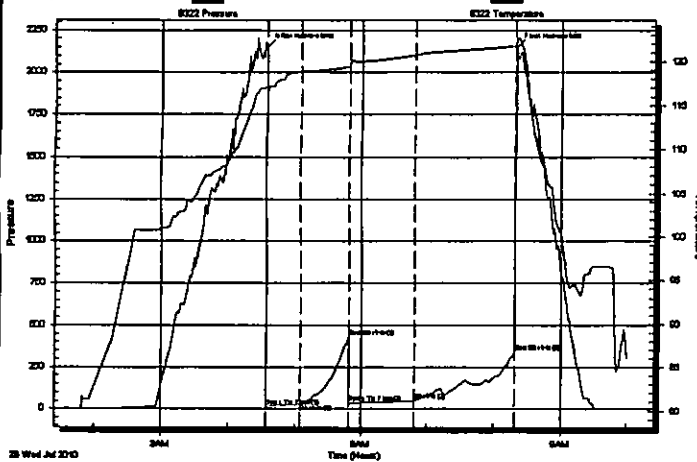
TEST COMMENT: IF: Built to 2 inches.

IS: No return.

FF: Built to 4 1/2 inches.

FS: Weak surface blow for 11 mins.

Pressure vs. Time



PRESSURE SUMMARY

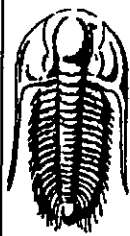
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2153.11	117.13	Initial Hydro-static
1	12.12	116.47	Open To Flow (1)
32	30.96	118.88	Shut-in(1)
75	431.05	119.43	End Shut-in(1)
75	34.55	119.62	Open To Flow (2)
135	47.74	120.73	Shut-in(2)
225	337.79	121.82	End Shut-in(2)
226	2152.63	122.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
75.00	HOCCM 40%o 60%r	0.37

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co., Inc.

Ottley #3-14

202 W Main
Salem IL 62881

14-14s-32w Logan KS

Job Ticket: 39633

DST#: 6

ATTN: Tim Priest

Test Start: 2010.07.28 @ 01:49:05

Tool Information

Drill Pipe:	Length: 4178.00 ft	Diameter: 3.80 inches	Volume: 58.61 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 52000.00 lb
			<u>Total Volume: 59.22 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	4296.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	50.00 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			4277.00	
Shut In Tool	5.00			4282.00	
Hydraulic tool	5.00			4287.00	
Packer	5.00	*		4292.00	20.00 Bottom Of Top Packer
Packer*	4.00			4296.00	
Stubb	1.00			4297.00	
Recorder	0.00	8322	Inside	4297.00	
Recorder	0.00	8166	Outside	4297.00	
Perforations	26.00			4323.00	
Bullnose	3.00			4326.00	30.00 Bottom Packers & Anchor
Total Tool Length:	50.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co., Inc.

Ottley #3-14

202 W Main
Salem IL 62881

14-14s-32w Logan KS

Job Ticket: 39633 DST#: 6

ATTN: Tim Priest

Test Start: 2010.07.28 @ 01:49:05

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 54.00 sec/qt
Water Loss: 9.52 in³
Resistivity: 0.00 ohm.m
Salinity: 3400.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
75.00	HOCM 40% o 60% m	0.369

Total Length: 75.00 ft Total Volume: 0.369 bbl

Num Fluid Samples: 0

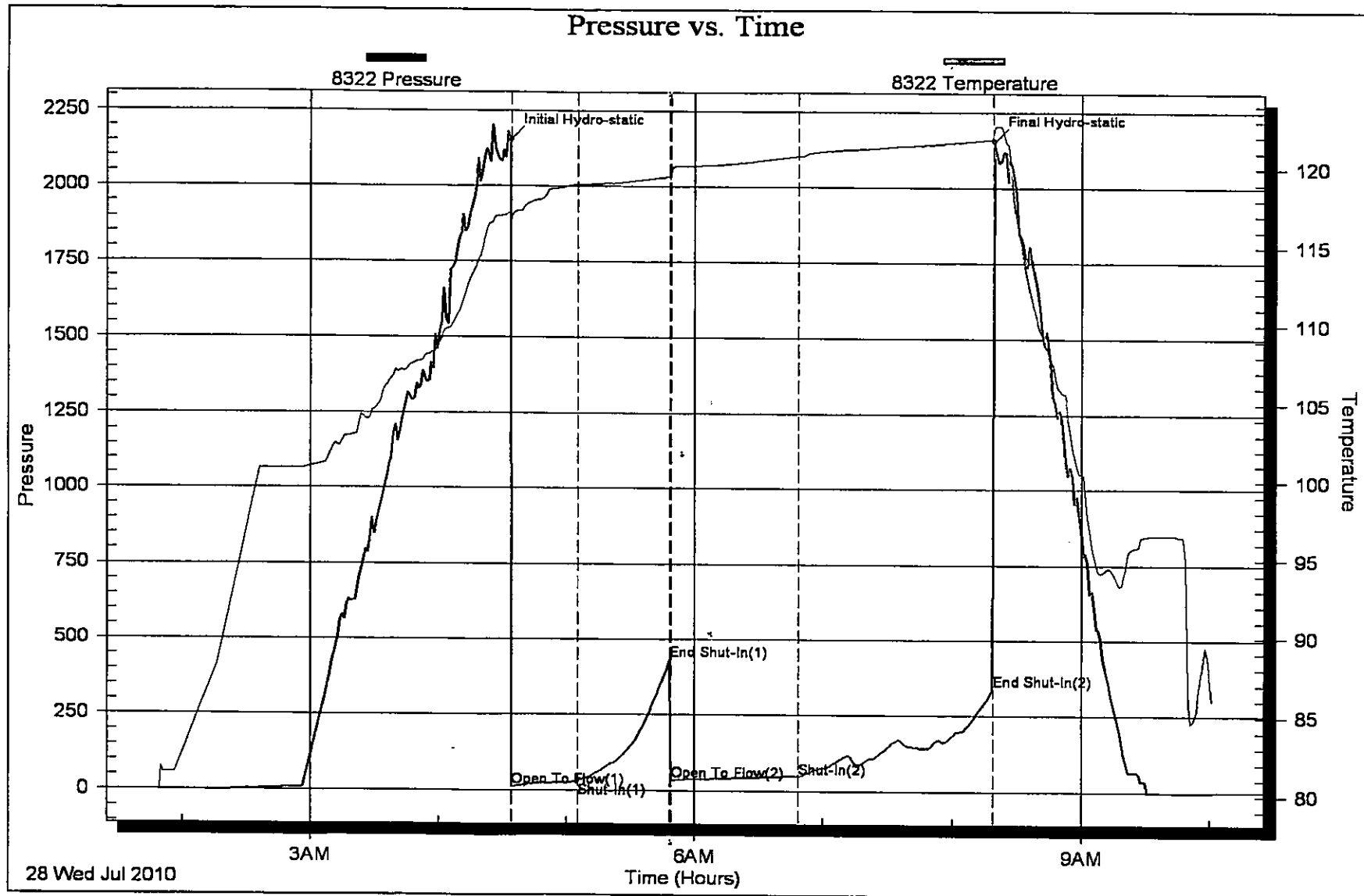
Num Gas Bombs: 0

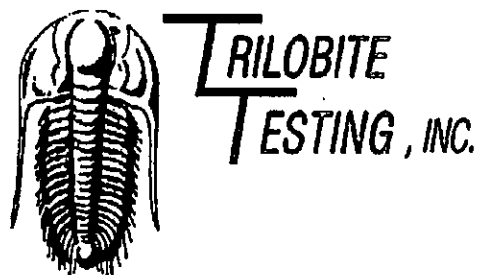
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co., Inc.**

202 W Main
Salem IL 62881

ATTN: Tim Priest

14-14s-32w Logan KS

Ottley #3-14

Start Date: 2010.07.28 @ 21:09:05

End Date: 2010.07.29 @ 02:39:14

Job Ticket #: 39634 DST #: 7

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., Inc.

202 W Main
Salem IL 62881

ATTN: Tim Priest

Ottley #3-14

14-14s-32w Logan KS

Job Ticket: 39634

DST#: 7

Test Start: 2010.07.28 @ 21:09:05

GENERAL INFORMATION:

Formation: **Ft Scott - Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:52:30

Time Test Ended: 02:39:14

Test Type: Conventional Bottom Hole

Tester: Brandon Domsch

Unit No: 48

Interval: **4333.00 ft (KB) To 4397.00 ft (KB) (TVD)**

Total Depth: **4397.00 ft (KB) (TVD)**

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

Reference Elevations: 2819.00 ft (KB)

2814.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8322

Inside

Press@RunDepth: 37.32 psig @ 4334.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.07.28

End Date:

2010.07.29

Last Calib.: 2010.07.29

Start Time: 21:09:05

End Time:

02:39:14

Time On Btm: 2010.07.28 @ 22:52:15

Time Off Btm: 2010.07.29 @ 00:54:45

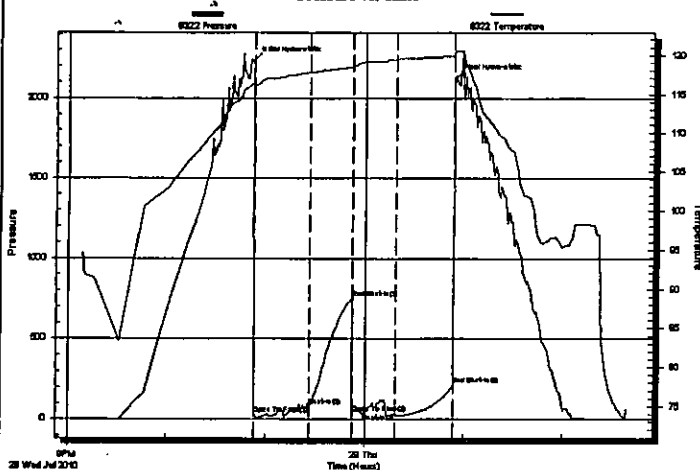
TEST COMMENT: IF: 1/4 inch died in 15 mins.

IS: No return.

FF: No blow.

FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

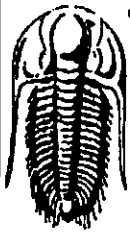
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2235.29	116.39	Initial Hydro-static
1	30.68	116.05	Open To Flow (1)
34	82.64	117.72	Shut-In(1)
60	750.77	118.41	End Shut-In(1)
60	38.00	118.39	Open To Flow (2)
86	37.32	119.37	Shut-In(2)
122	214.83	119.91	End Shut-In(2)
123	2126.08	120.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Oil spotted Mud	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co., Inc.

Ottley #3-14

202 W Main
Salem IL 62881

14-14s-32w Logan KS

ATTN: Tim Priest

Job Ticket: 39634

DST#: 7

Test Start: 2010.07.28 @ 21:09:05

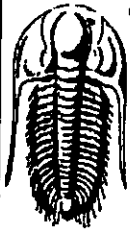
Tool Information

Drill Pipe:	Length: 4210.00 ft	Diameter: 3.80 inches	Volume: 59.06 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 50000.00 lb
			Total Volume: 59.67 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	4333.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	64.00 ft			
Tool Length:	84.00 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			4314.00	
Shut In Tool	5.00			4319.00	
Hydraulic tool	5.00			4324.00	
Packer	5.00			4329.00	20.00 Bottom Of Top Packer
Packer	4.00			4333.00	
Stubb	1.00			4334.00	
Recorder	0.00	8322	Inside	4334.00	
Recorder	0.00	8166	Outside	4334.00	
Perforations	26.00			4360.00	
Change Over Sub	1.00			4361.00	
Drill Pipe	32.00			4393.00	
Change Over Sub	1.00			4394.00	
Bullnose	3.00			4397.00	64.00 Bottom Packers & Anchor

Total Tool Length: 84.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co., Inc.

Ottley #3-14

202 W Main
Salem IL 62881

14-14s-32w Logan KS

Job Ticket: 39634 **DST#: 7**

ATTN: Tim Priest

Test Start: 2010.07.28 @ 21:09:05

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: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.54 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Oil spotted Mud	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

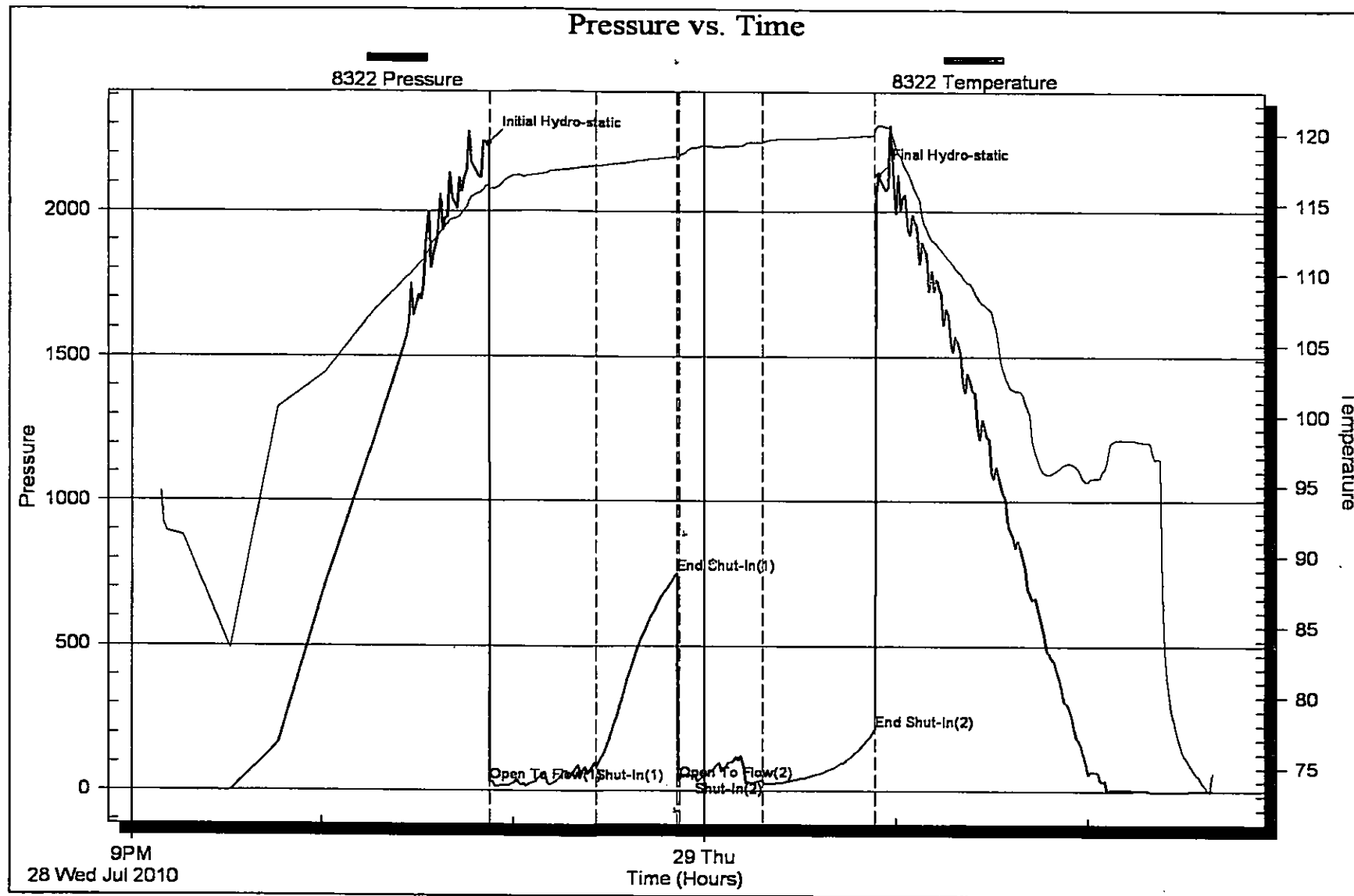
Num Gas Bombs: 0

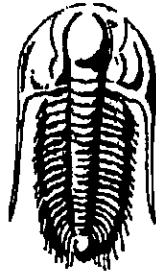
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co., Inc.**

202 W Main
Salem IL 62881

ATTN: Tim Priest

14-14s-32w Logan KS

Ottley #3-14

Start Date: 2010.07.29 @ 10:12:05

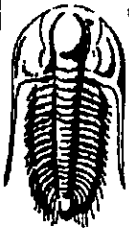
End Date: 2010.07.29 @ 17:27:44

Job Ticket #: 39635 DST #: 8

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., Inc.

202 W Main
Salem IL 62881

ATTN: Tim Priest

Ottley #3-14

14-14s-32w Logan KS

Job Ticket: 39635

DST#: 8

Test Start: 2010.07.29 @ 10:12:05

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock ft (KB)

Time Tool Opened: 11:44:15

Time Test Ended: 17:27:44

Test Type: Conventional Bottom Hole

Tester: Brandon Domsch

Unit No: 48

Interval: 4374.00 ft (KB) To 4424.00 ft (KB) (TVD)

Total Depth: 4424.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2819.00 ft (KB)

2814.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8322 Inside

Press@RunDepth: 97.82 psig @ 4375.00 ft (KB)

Start Date: 2010.07.29

End Date:

2010.07.29

Start Time: 10:12:05

End Time:

17:27:44

Capacity: 8000.00 psig

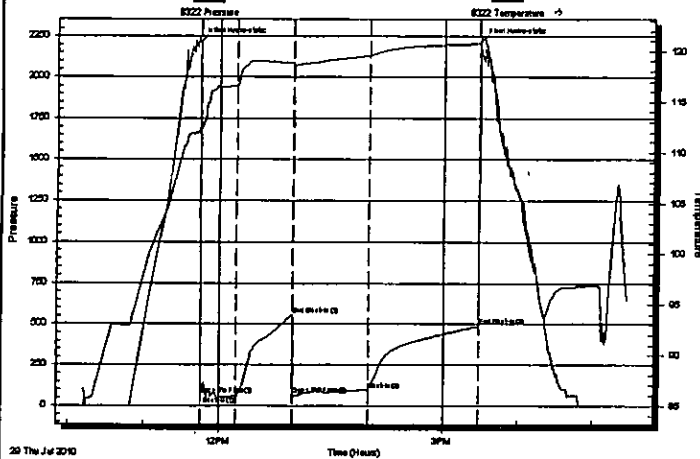
Last Calib.: 2010.07.29

Time On Btm: 2010.07.29 @ 11:43:45

Time Off Btm: 2010.07.29 @ 15:28:59

TEST COMMENT: IF: BOB in 25 mins.
IS: Weak surface blow for 3 mins.
FF: BOB in 11 mins.
FS: Built to 1 inch died in 34 mins.

Pressure vs. Time



PRESSURE SUMMARY

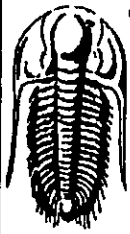
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2213.93	112.67	Initial Hydro-static
1	65.78	112.21	Open To Flow (1)
30	59.44	116.62	Shut-In(1)
76	558.02	118.89	End Shut-In(1)
76	64.32	118.71	Open To Flow (2)
136	97.82	119.57	Shut-In(2)
225	489.97	120.74	End Shut-In(2)
226	2214.91	121.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	MCO 70%G 20%O 30%M	0.30
62.00	HGOOM 60%G 30%O 10%M	0.30
93.00	HGSMCO 60%G 30%O 10%M	1.30
0.00	340' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co., Inc.

Ottley #3-14

202 W Main
Salem IL 62881

14-14s-32w Logan KS

Job Ticket: 39635

DST#: 8

ATTN: Tim Priest

Test Start: 2010.07.29 @ 10:12:05

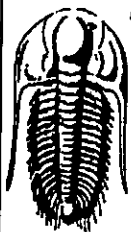
Tool Information

Drill Pipe:	Length: 4241.00 ft	Diameter: 3.80 inches	Volume: 59.49 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 60.10 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	4374.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.00 ft			
Tool Length:	70.00 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			4355.00	
Shut In Tool	5.00			4360.00	
Hydraulic tool	5.00			4365.00	
Packer	5.00			4370.00	20.00 Bottom Of Top Packer
Packer	4.00			4374.00	
Stubb	1.00			4375.00	
Recorder	0.00	8322	Inside	4375.00	
Recorder	0.00	8166	Outside	4375.00	
Perforations	12.00			4387.00	
Change Over Sub	1.00			4388.00	
Drill Pipe	32.00			4420.00	
Change Over Sub	1.00			4421.00	
Bullnose	3.00			4424.00	50.00 Bottom Packers & Anchor

Total Tool Length: 70.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co., Inc.

Ottley #3-14

202 W Main
Salem IL 62881

14-14s-32w Logan KS

Job Ticket: 39635

DST#: 8

ATTN: Tim Priest

Test Start: 2010.07.29 @ 10:12:05

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

27 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.14 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 bbbl
62.00	MCO 70%G 20%O 30%M	0.305
62.00	HGOCM 60%G 30%O 10%M	0.305
93.00	HGSMCO 60%G 30%O 10%M	1.305
0.00	340' GIP	0.000

Total Length: 217.00 ft Total Volume: 1.915 bbl

Num Fluid Samples: 0

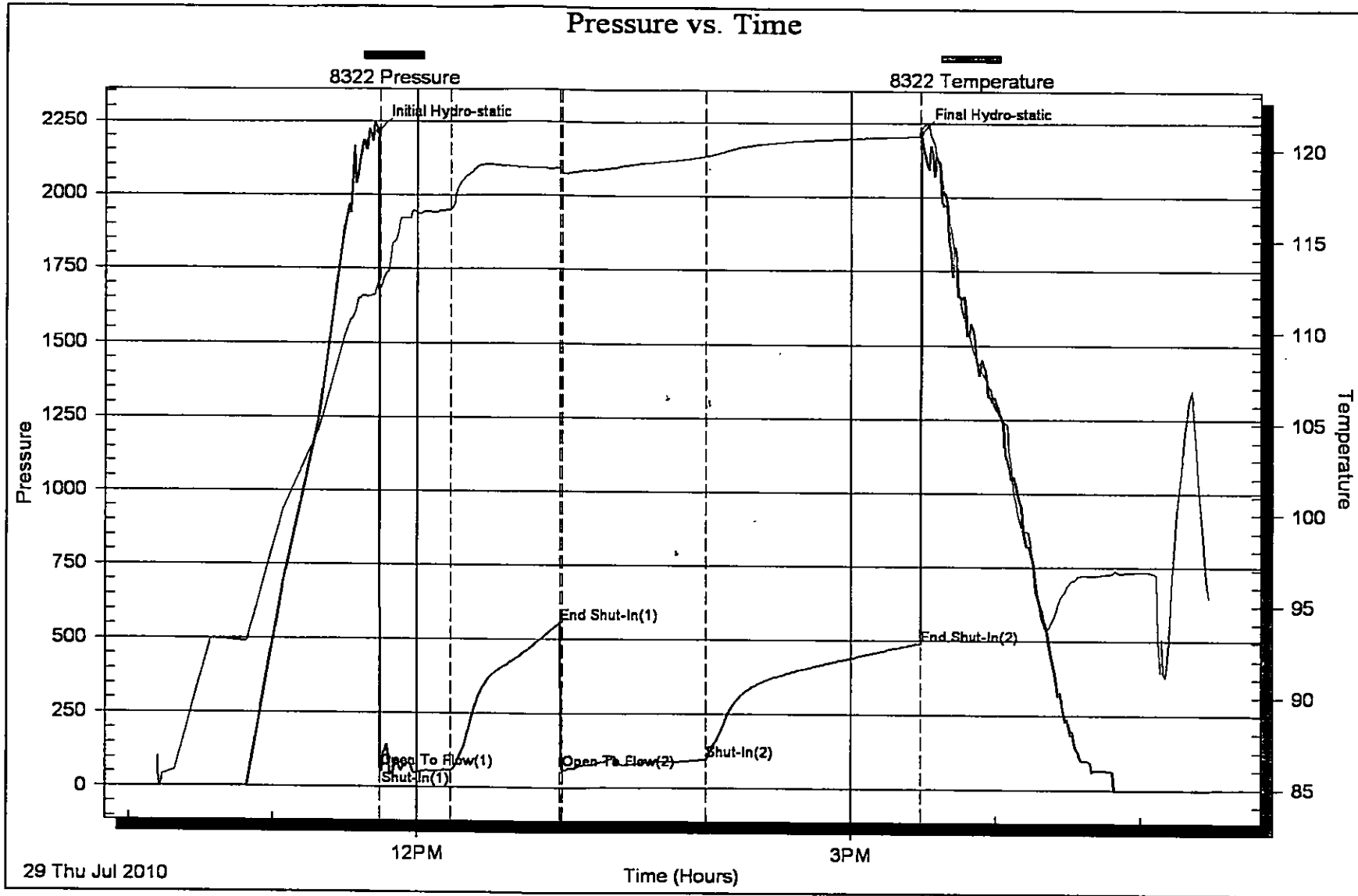
Num Gas Bombs: 0

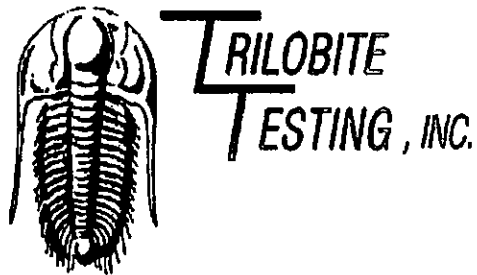
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API-31@100F





DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co., Inc.**

202 W Main
Salem IL 62881

ATTN: Tim Priest

14-14s-32w Logan KS

Ottley #3-14

Start Date: 2010.07.30 @ 00:47:05

End Date: 2010.07.30 @ 09:15:44

Job Ticket #: 39363 DST #: 9

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., Inc.

Ottley #3-14

202 W Main
Salem IL 62881

14-14s-32w Logan KS

Job Ticket: 39363

DST#: 9

ATTN: Tim Priest

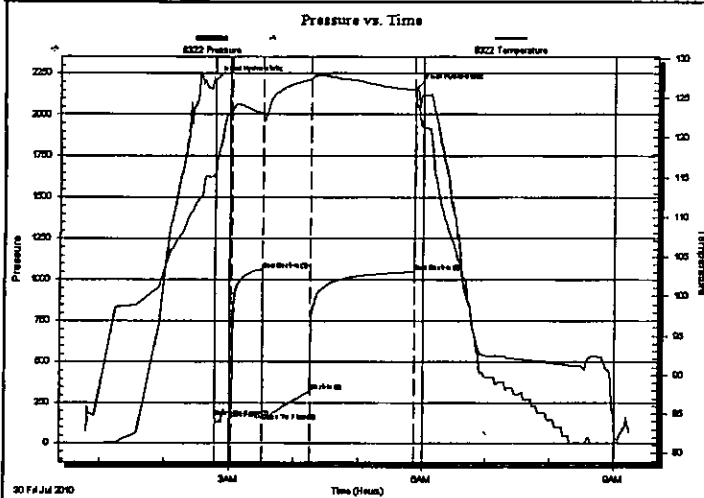
Test Start: 2010.07.30 @ 00:47:05

GENERAL INFORMATION:

Formation: **Morrow Sand**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: **02:46:15**
 Time Test Ended: **09:15:44**
 Interval: **4418.00 ft (KB) To 4456.00 ft (KB) (TVD)**
 Total Depth: **4456.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**
 Test Type: **Conventional Bottom Hole**
 Tester: **Brandon Domsch**
 Unit No: **48**
 Reference Elevations: **2819.00 ft (KB)**
2814.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8322 Inside
 Press@RunDepth: **322.10 psig @ 4419.00 ft (KB)**
 Start Date: **2010.07.30** End Date: **2010.07.30** Capacity: **8000.00 psig**
 Start Time: **00:47:05** End Time: **09:15:44** Last Calib.: **2010.07.30**
 Time On Btm: **2010.07.30 @ 02:46:00**
 Time Off Btm: **2010.07.30 @ 05:54:30**

TEST COMMENT: IF: BOB in 4 mins.
 IS: BOB in 6 1/2 mins.
 FF: BOB in 2 mins.
 FS: BOB in 7 mins.



PRESSURE SUMMARY

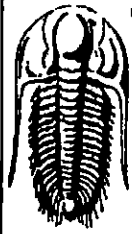
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2210.61	115.41	Initial Hydro-static
1	160.99	114.88	Open To Flow (1)
16	199.23	123.15	Shut-In(1)
45	1060.89	123.03	End Shut-In(1)
45	190.18	122.77	Open To Flow (2)
89	322.10	127.36	Shut-In(2)
187	1049.40	126.08	End Shut-In(2)
189	2162.95	124.33	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
215.00	GOCM 30%G 10%O 60%M	1.89
625.00	CGO 60%G 40%O	8.77
0.00	4420' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co., Inc.

Ottley #3-14

202 W Main
Salem IL 62881

14-14s-32w Logan KS

Job Ticket: 39363

DST#: 9

ATTN: Tim Priest

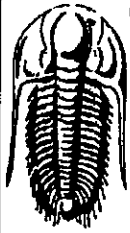
Test Start: 2010.07.30 @ 00:47:05

Tool Information

Drill Pipe:	Length: 4304.00 ft	Diameter: 3.80 inches	Volume: 60.37 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 60.98 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	4418.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	38.00 ft			
Tool Length:	58.00 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			4399.00	
Shut In Tool	5.00			4404.00	
Hydraulic tool	5.00			4409.00	
Packer	5.00			4414.00	20.00 Bottom Of Top Packer
Packer	4.00			4418.00	
Stubb	1.00			4419.00	
Recorder	0.00	8322	Inside	4419.00	
Recorder	0.00	8166	Outside	4419.00	
Perforations	34.00			4453.00	
Bullnose	3.00			4456.00	38.00 Bottom Packers & Anchor
Total Tool Length:	58.00				



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TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co., Inc.

Ottley #3-14

202 W Main
Salem IL 62881

14-14s-32w Logan KS

Job Ticket: 39363

DST#: 9

ATTN: Tim Priest

Test Start: 2010.07.30 @ 00:47:05

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

33 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.19 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
215.00	GOCM 30%G 10%O 60%M	1.886
625.00	CGO 60%G 40%O	8.767
0.00	4420' GP	0.000

Total Length: 840.00 ft

Total Volume: 10.653 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API=35@80F

