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OCT 27 2010

KCC WICHITA

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Form ACO-1
September 1999
Form Must Be Typed

10/25/10

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: Brad Rine

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. _____

9/26/10 10/8/10 10/13/10
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 109-20948-0000
County: Logan
SW SE SW NE Sec. 8 Twp. 13 S. R. 32 East West
2590 feet from S / (N) (circle one) Line of Section
1800 feet from (E) / (W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) (NE) SE NW SW
Lease Name: Campbell Well #: 2-8
Field Name: Unnamed
Producing Formation: N/A
Elevation: Ground: 2959' Kelly Bushing: 2964'
Total Depth: 5140' Plug Back Total Depth: 5015'
Amount of Surface Pipe Set and Cemented at 219' Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 2323' Feet
If Alternate II completion, cement circulated from 2323'
feet depth to surface w/ 315 sx cmt.

Drilling Fluid Management Plan ATT IJN 11-570
(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: 10/25/10
Subscribed and sworn to before me this 25th day of October,
2010.
Notary Public: Melissa A. Noel
Date Commission Expires: 11-6-11

KCC Office Use ONLY
 Letter of Confidentiality Received 10/25/10 - 10/25/12
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

OFFICIAL SEAL
MELISSA A. NOEL
Notary Public, State of Illinois
My Commission Expires 11-06-11

Operator Name: Shakespeare Oil Company, Inc. Lease Name: Campbell Well #: 2-8
 Sec. 8 Twp. 13 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:

Array Ind, CDL/CNL/GR, ML & Sonic, Cement Bond Log

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#	219'	Class A	165	2% gel, 3% CaCl
Production	7 7/8"	5 1/2"	15.5#	5073'	ASC	200	3/4% CD-31 & 5#/sx gilsonite

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	2323'-0	65/35 Pozmix	315	8% gel & 1/4#/sx 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

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumerd Production, SWD or Enhr.		Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)					
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity		

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) _____



PO BOX 31 Russell, KS 67665

RECEIVED

OCT 27 2010

KCC WICHITA

INVOICE

Invoice Number: 124831

Invoice Date: Oct 13, 2010

Page: 1

Voice: (785) 483-3887

Fax: (785) 483-5566

Bill To:

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

KCC
OCT 25 2010
CONFIDENTIAL

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Shak	Campbell #2-8	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-04	Oakley	Oct 13, 2010	11/12/10

Quantity	Item	Description	Unit Price	Amount
205.00	MAT	Class A Common	15.45	3,167.25
110.00	MAT	Pozmix	8.00	880.00
22.00	MAT	Gel	20.80	457.60
79.00	MAT	Flo Seal	2.50	197.50
1.00	MAT	Cottonseed Hulls	31.85	31.85
459.00	SER	Handling	2.40	1,101.60
15.00	SER	Mileage 459 sx @ .10 per sk per mi	45.90	688.50
1.00	SER	Port Collar	1,185.00	1,185.00
15.00	SER	Pump Truck Mileage	7.00	105.00

RECEIVED
OCT 25 2010

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

\$ 1562.84

ONLY IF PAID ON OR BEFORE

Nov 7, 2010

Subtotal	7,814.30
Sales Tax	345.60
Total Invoice Amount	8,159.90
Payment/Credit Applied	
TOTAL	8,159.90

ALLIED CEMENTING CO., LLC. 035659

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

KCC
OCT 25 2010
CONFIDENTIAL

SERVICE POINT:
Oakley

DATE <u>10-9-10</u>	SEC. <u>8</u>	TWP. <u>13s</u>	RANGE <u>32w</u>	CALC. <u>CONFIDENTIAL</u>	ON LOCATION	JOB START <u>3:30pm</u>	JOB FINISH <u>4:00pm</u>
<u>Campbell</u> LEASE	WELL # <u>2-8</u>	LOCATION <u>Oakley 13s 2 1/2w</u>			COUNTY <u>LOGAN</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)			<u>NE NW into</u>				

CONTRACTOR wtw Drilling Rig 2
 TYPE OF JOB Production
 HOLE SIZE 2 7/8 T.D. 5135'
 CASING SIZE 5/2 DEPTH 5025'
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL port collar DEPTH 2416'
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT 42.65'
 CEMENT LEFT IN CSG. 42.65'
 PERFS.
 DISPLACEMENT 119.74

OWNER same
 CEMENT
 AMOUNT ORDERED 245 sks ASC
5# Gilsonite 3/4 of 196 CD-31
500gal WFR-2
 COMMON @
 POZMIX @
 GEL @
 CHLORIDE @
 ASC 245 sks @ 18.60 4557.00
 @
 @
Gilsonite 1225# @ -89 1090.25
 @
CD-31 173# @ 9.35 1617.55
 @
WFR-2 500gal @ 11.27 635.00
 @
 HANDLING 272 sks @ 2.40 652.80
 MILEAGE 10 1/2 sk/mile 408.00
 TOTAL 8960.60

EQUIPMENT
 PUMP TRUCK CEMENTER Andrew
 # 423-281 HELPER Larene
 BULK TRUCK
 # 394 DRIVER Jerry
 BULK TRUCK
 # DRIVER

REMARKS:
Dump 500gal water 500gal WFR-2
15 bbl water. Plug Rat hole 20sk
mouse hole 15' mix 200sk down
5/2 casing wash pump and lines
clean Displace plug 200#
LIFT 1400' land plug plug
landed flat held.
thank you

CHARGE TO: Shakespeare
 STREET _____
 CITY _____ STATE _____ ZIP _____

SERVICE
 DEPTH OF JOB 5025'
 PUMP TRUCK CHARGE 2295.00
 EXTRA FOOTAGE @
 MILEAGE 15 miles @ 7.00 105.00
 MANIFOLD @
 @
 @
 TOTAL 2400.00

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.

SALES TAX (If Any) _____
 TOTAL CHARGES _____
 DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME _____
 SIGNATURE John Danner



PO BOX 31 Russell, KS 67665

Voice: (785) 483-3887
Fax: (785) 483-5566

RECEIVED

OCT 27 2010

KCC WICHITA

INVOICE

Invoice Number: 124769

Invoice Date: Oct 9, 2010

Page: 1

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

File

KCC
OCT 25 2010
CONFIDENTIAL

INT

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Shak	Campbell #2-8	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Oct 9, 2010	11/8/10

Quantity	Item	Description	Unit Price	Amount
245.00	MAT	ASC Class A	18.60	4,557.00
1,225.00	MAT	Gilsonite	0.89	1,090.25
173.00	MAT	CD-31	9.35	1,617.55
500.00	MAT	WFR-2	1.27	635.00
272.00	SER	Handling	2.40	652.80
15.00	SER	Mileage 272 sx @ .10 per sk per mi	27.20	408.00
1.00	SER	Production Casing	2,295.00	2,295.00
15.00	SER	Pump Truck Mileage	7.00	105.00

Corrected amount

PAID
OCT 18 2010

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

\$ 2272.12

ONLY IF PAID ON OR BEFORE
Nov 3, 2010

Subtotal	11,360.60
Sales Tax	576.69
Total Invoice Amount	11,937.29
Payment/Credit Applied	
TOTAL	11,937.29



PO BOX 31 Russell, KS 67665

Voice: (785) 483-3887

Fax: (785) 483-5566

RECEIVED

OCT 27 2010

KCC WICHITA

INVOICE

Invoice Number: 124647

Invoice Date: Sep 26, 2010

Page: 1

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

F
 KCC
 OCT 25 2010
 CONFIDENTIAL
 INT
 J &

Customer ID	Well Name # or Customer P.O.	Payment Terms	
Shak	Campbell #2-8	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Sep 26, 2010	10/26/10

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
1.00	SER	Handling Mileage Charge	312.00	312.00
1.00	SER	Surface	1,018.00	1,018.00
15.00	SER	Pump Truck Mileage	7.00	105.00

Corrected discount

RECEIVED
 OCT 18 2010
 150515

Subtotal	4,813.45
Sales Tax	216.14
Total Invoice Amount	5,029.59
Payment/Credit Applied	
TOTAL	5,029.59

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

\$ 962.69

ONLY IF PAID ON OR BEFORE

Oct 21 2010

ALLIED CEMENTING CO., LLC. 039020

F

SERVICE POINT:

Oakley, KS

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

KCC
OCT 25 2010
CONFIDENTIAL

DATE 9.26.10	SEC 8	TWP. 13	RANGE 32	CALLED OUT	LOCATION 2:00 AM	JOB START 12:00	JOB FINISH 12:30
CAMPBELL CASE	WELL # 2-8	LOCATION Oakley S. Rural Rd			COUNTY Logan	STATE KS	
OLD OR NEW (Circle one)		2 W. W. R.					

CONTRACTOR W-W #2

TYPE OF JOB Surface

BOLE SIZE 12" x 4 TD. 220'

PLACING SIZE 8 1/2 DEPTH 219'

PIPE SIZE DEPTH

PIPE DEPTH

COL DEPTH

RES. MAX MINIMUM

EAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

TESTS.

DISPLACEMENT 12.9

OWNER _____

CEMENT

AMOUNT ORDERED 165 com 3 1/2 bags

7 1/2 bags

COMMON	<u>165</u>	@	<u>15 45</u>	<u>2549 25</u>
POZMIX		@		
GEL	<u>3</u>	@	<u>20 00</u>	<u>62 00</u>
CHLORIDE	<u>6</u>	@	<u>58 20</u>	<u>349 20</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>174</u>	@	<u>2 40</u>	<u>417 60</u>
MILEAGE	<u>10 45 44 mile</u>			<u>312 00</u>
	<u>(minimum)</u>			<u>45</u>
TOTAL				<u>3690</u>

EQUIPMENT

PUMP TRUCK CEMENTER Fuzzy

431 HELPER Kelly

JLK TRUCK

396 DRIVER Darrin

JLK TRUCK

DRIVER

REMARKS:

Cement did circulate

Applied 7 bags to pit

Job complete @ 12:30 pm

Thanks Fuzzy & Kelly

SERVICE

DEPTH OF JOB 219'

PUMP TRUCK CHARGE 1018 00

EXTRA FOOTAGE @

MILEAGE 15 @ 7 00 105 00

MANIFOLD @

@

@

TOTAL 1123 00

PLUG & FLOAT EQUIPMENT

@

@

@

@

@

TOTAL _____

SALES TAX (If Any) _____

TOTAL CHARGES _____

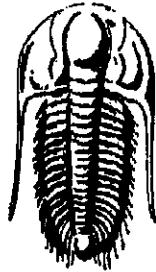
DISCOUNT _____ IF PAID IN 30 DAYS

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 Fannie Lang

SIGNATURE Fannie Lang



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co**

202 W. Main St.
Salem, IL 62881

ATTN: Brad Rine

8-13-32 Logan,KS

Campbell 2-8

Start Date: 2010.09.30 @ 04:34:20

End Date: 2010.09.30 @ 11:38:44

Job Ticket #: 39973 DST #: 1

**KCC
OCT 25 2010
CONFIDENTIAL**

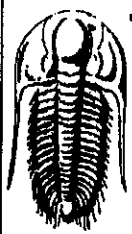
**RECEIVED
OCT 27 2010**

KCC WICHITA

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: Brad Rine

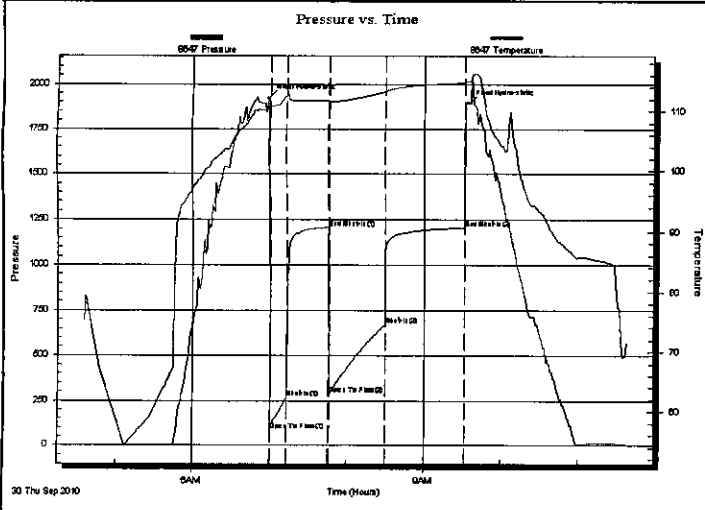
Campbell 2-8
8-13-32 Logan, KS
 Job Ticket: 39973 **DST#: 1**
 Test Start: 2010.09.30 @ 04:34:20

GENERAL INFORMATION:

Formation: **Toronto - LKC "A"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:00:15
 Time Test Ended: 11:38:44
 Interval: **3927.00 ft (KB) To 3995.00 ft (KB) (TVD)**
 Total Depth: **3995.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**
 Test Type: **Conventional Bottom Hole**
 Tester: **Brian Fairbank**
 Unit No: **41**
 Reference Elevations: **2964.00 ft (KB)**
2959.00 ft (CF)
 KB to GR/CF: **5.00 ft**

Serial #: 8647 Inside
 Press@RunDepth: **671.46 psig @ 3935.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2010.09.30** End Date: **2010.09.30** Last Calib.: **2010.09.30**
 Start Time: **04:34:20** End Time: **11:38:44** Time On Btm: **2010.09.30 @ 06:58:45**
 Time Off Btm: **2010.09.30 @ 09:33:44**

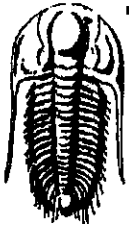
TEST COMMENT: IFP - BOB 3 min
 ISI - no blow back
 FFP - BOB 3 min
 FSI - no blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1922.99	110.31	Initial Hydro-static
2	83.74	110.56	Open To Flow (1)
15	263.70	112.68	Shut-in(1)
47	1205.19	111.80	End Shut-in(1)
47	284.17	111.63	Open To Flow (2)
91	671.46	113.30	Shut-in(2)
153	1202.39	114.82	End Shut-in(2)
155	1894.04	114.95	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
1055.00	MW 95%W, 5%M	13.68
315.00	WM 50%W, 50%M	4.42

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co

Campbell 2-8

202 W. Main St.
Salem, IL 62881

8-13-32 Logan, KS

Job Ticket: 39973

DST#: 1

ATTN: Brad Rine

Test Start: 2010.09.30 @ 04:34:20

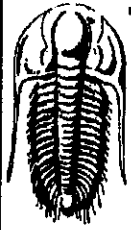
Tool Information

Drill Pipe:	Length: 3815.00 ft	Diameter: 3.80 inches	Volume: 53.51 bbl	Tool Weight: 2500.00 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: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 54.11 bbl</u>	Tool Chased 10.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	3927.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	68.00 ft			
Tool Length:	88.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:
Tool slid 10' to bottom

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3912.00	
Hydraulic tool	5.00			3917.00	
Packer	5.00			3922.00	20.00 Bottom Of Top Packer
Packer	5.00			3927.00	
Stubb	1.00			3928.00	
Perforations	6.00			3934.00	
Change Over Sub	1.00			3935.00	
Recorder	0.00	8647	Inside	3935.00	
Recorder	0.00	8365	Outside	3935.00	
Blank Spacing	31.00			3966.00	
Change Over Sub	1.00			3967.00	
Perforations	25.00			3992.00	
Bullnose	3.00			3995.00	68.00 Bottom Packers & Anchor

Total Tool Length: 88.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co

Campbell 2-8

202 W. Main St.
Salem, IL 62881

8-13-32 Logan, KS

Job Ticket: 39973

DST#: 1

ATTN: Brad Rine

Test Start: 2010.09.30 @ 04:34:20

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:

18500 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.74 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1055.00	MMW 95%W, 5%M	13.678
315.00	WM 50%W, 50%M	4.419

Total Length: 1370.00 ft

Total Volume: 18.097 bbl

Num Fluid Samples: 0

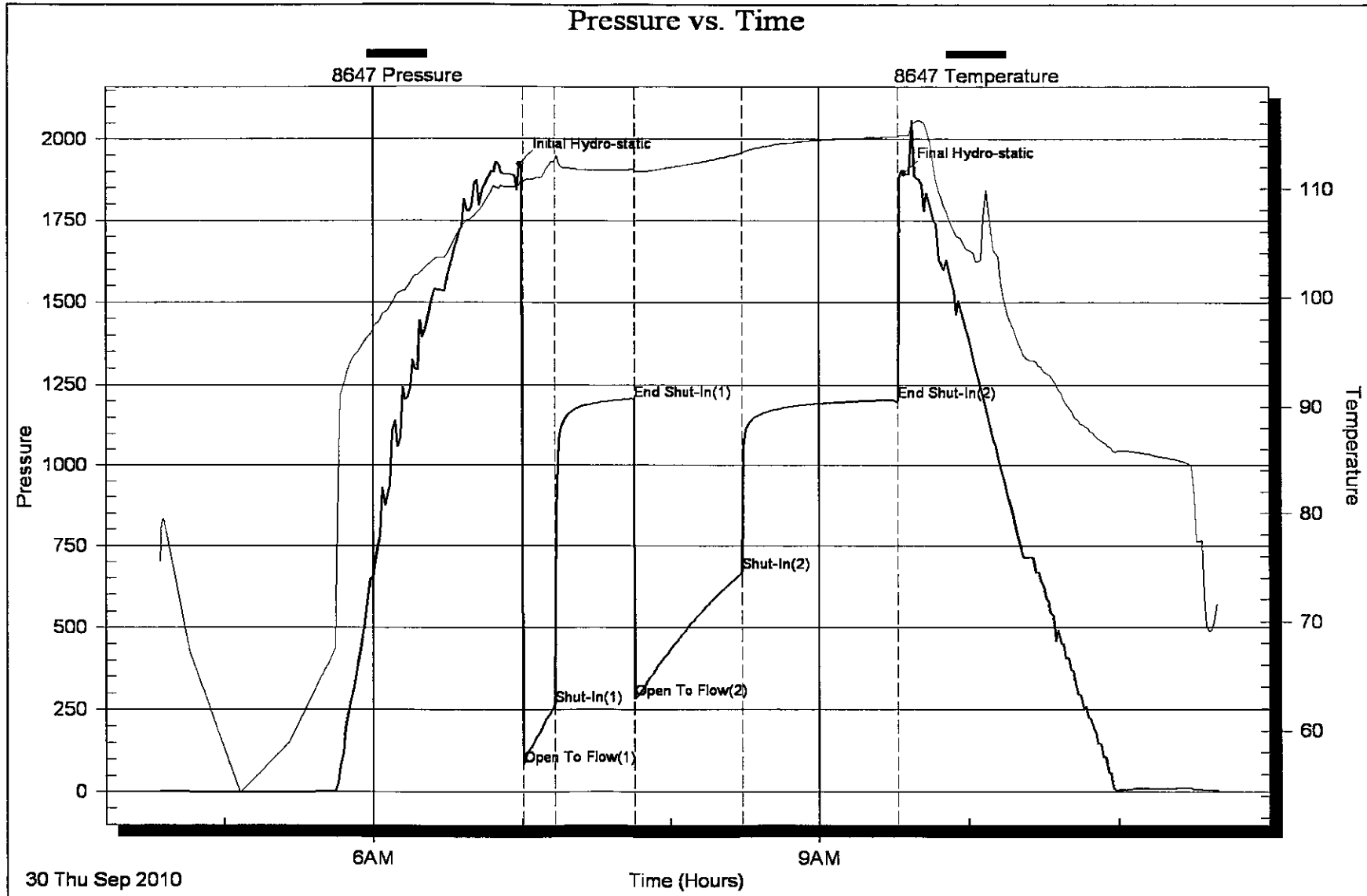
Num Gas Bombs: 0

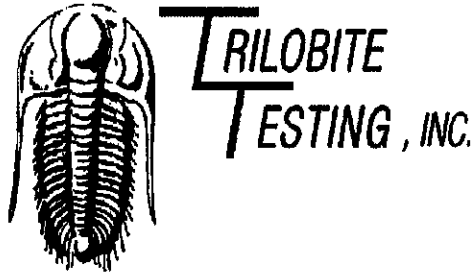
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co**

202 W. Main St.
Salem, IL 62881

ATTN: Brad Rine

8-13-32 Logan,KS

Campbell 2-8

Start Date: 2010.09.30 @ 20:13:02

End Date: 2010.10.01 @ 02:18:26

Job Ticket #: 39974 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Shakespeare Oil Co

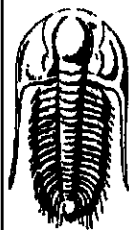
Campbell 2-8

8-13-32 Logan,KS

DST # 2

LKC "C"

2010.09.30



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co

Campbell 2-8

202 W. Main St.
Salem, IL 62881

8-13-32 Logan, KS

Job Ticket: 39974

DST#: 2

ATTN: Brad Rine

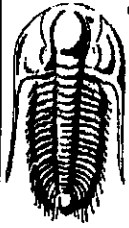
Test Start: 2010.09.30 @ 20:13:02

Tool Information

Drill Pipe:	Length: 3878.00 ft	Diameter: 3.80 inches	Volume: 54.40 bbl	Tool Weight: 2500.00 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: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 55.00 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4016.00 ft			Final 64000.00 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	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut in Tool	5.00			4001.00	
Hydraulic tool	5.00			4006.00	
Packer	5.00			4011.00	20.00 Bottom Of Top Packer
Packer	5.00			4016.00	
Stubb	1.00			4017.00	
Perforations	2.00			4019.00	
Recorder	0.00	8647	Inside	4019.00	
Recorder	0.00	8365	Outside	4019.00	
Perforations	20.00			4039.00	
Bullnose	3.00			4042.00	26.00 Bottom Packers & Anchor
Total Tool Length:	46.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co

Campbell 2-8

202 W. Main St.
Salem, IL 62881

8-13-32 Logan, KS

Job Ticket: 39974

DST#: 2

ATTN: Brad Rine

Test Start: 2010.09.30 @ 20:13:02

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:

20000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.14 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2100.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
440.00	MW w / scum O on top 95%W, 5%M	5.052

Total Length: 440.00 ft

Total Volume: 5.052 bbf

Num Fluid Samples: 0

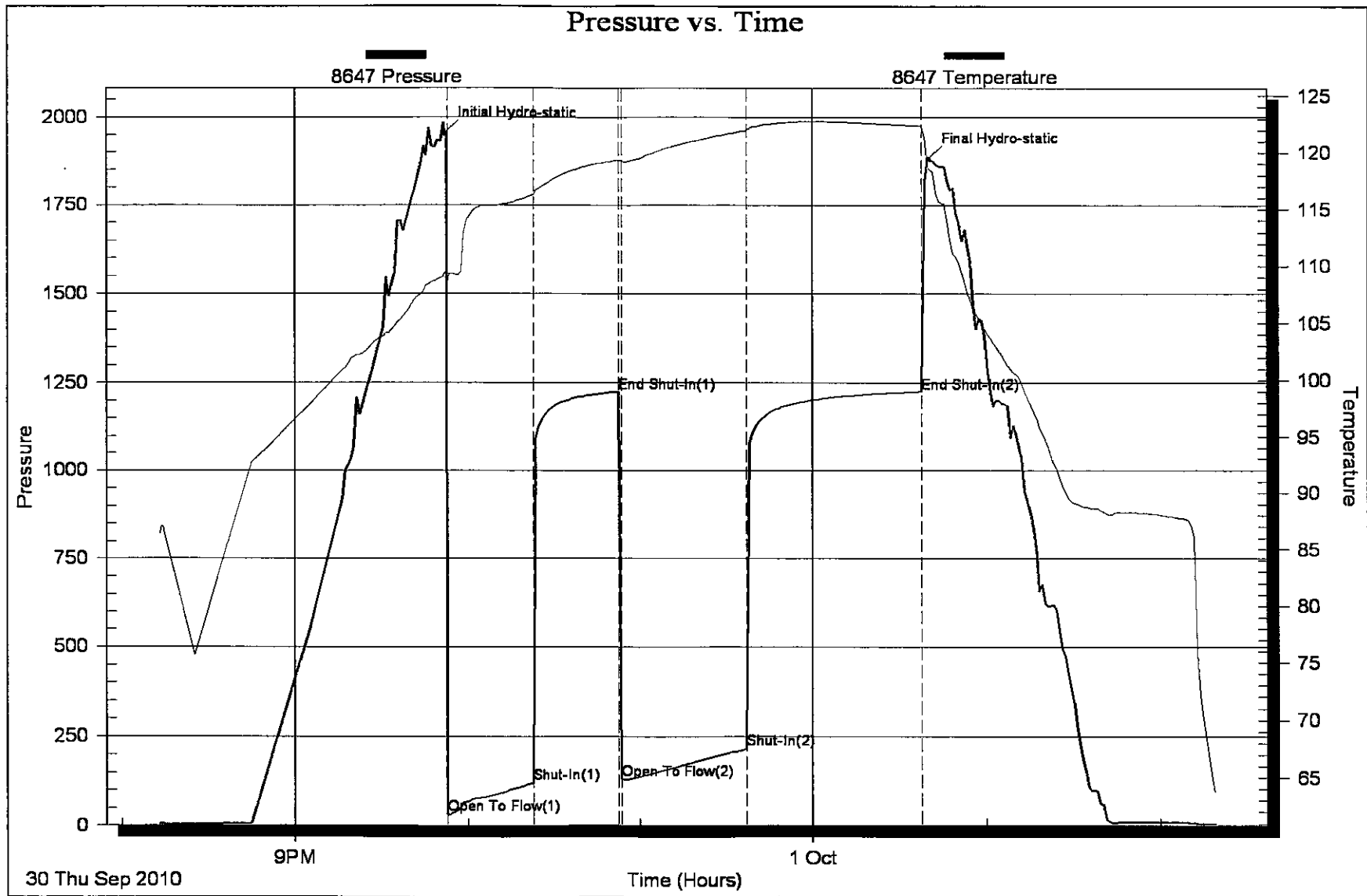
Num Gas Bombs: 0

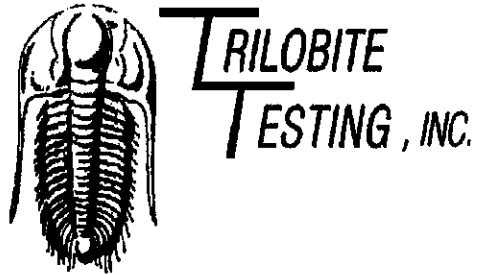
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co**

202 W. Main St.
Salem, IL 62881

ATTN: Brad Rine

8-13-32 Logan,KS

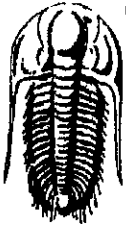
Campbell 2-8

Start Date: 2010.10.01 @ 08:58:23

End Date: 2010.10.01 @ 16:00:17

Job Ticket #: 39975 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

Campbell 2-8

202 W. Main St.
Salem, IL 62881

8-13-32 Logan, KS

ATTN: Brad Rine

Job Ticket: 39975

DST#: 3

Test Start: 2010.10.01 @ 08:58:23

GENERAL INFORMATION:

Formation: **LKC "D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:51:48

Time Test Ended: 16:00:17

Test Type: Conventional Bottom Hole

Tester: Brian Fairbank

Unit No: 41

Interval: **4043.00 ft (KB) To 4064.00 ft (KB) (TVD)**

Total Depth: 4064.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2964.00 ft (KB)

2959.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8647

Inside

Press@RunDepth: 85.21 psig @ 4046.00 ft (KB)

Start Date: 2010.10.01

End Date:

2010.10.01

Capacity: 8000.00 psig

Last Calib.: 2010.10.01

Start Time: 08:58:23

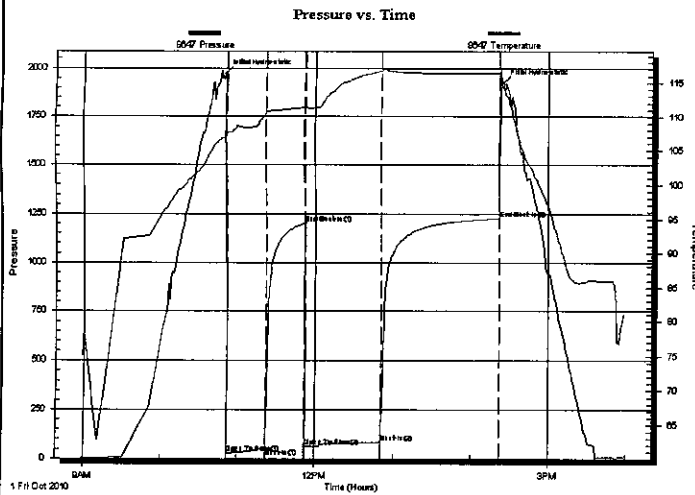
End Time:

16:00:17

Time On Btm: 2010.10.01 @ 10:50:18

Time Off Btm: 2010.10.01 @ 14:24:17

TEST COMMENT: IFP - weak blow throughout 1/4" - 2 1/2"
ISI - no blow back
FFP - weak blow throughout sur - 3"
FSI - no blow back



PRESSURE SUMMARY

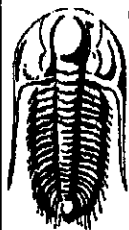
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1973.08	107.61	Initial Hydro-static
2	30.66	107.65	Open To Flow (1)
32	54.57	110.53	Shut-In(1)
62	1199.92	111.38	End Shut-In(1)
62	65.77	111.19	Open To Flow (2)
120	85.21	116.73	Shut-In(2)
212	1226.02	116.50	End Shut-In(2)
214	1926.23	114.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
150.00	MW 85%W, 15%M	0.98

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co

Campbell 2-8

202 W. Main St.
Salem, IL 62881

8-13-32 Logan, KS

Job Ticket: 39975

DST#: 3

ATTN: Brad Rine

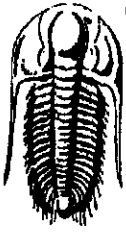
Test Start: 2010.10.01 @ 08:58:23

Tool Information

Drill Pipe:	Length: 3909.00 ft	Diameter: 3.80 inches	Volume: 54.83 bbl	Tool Weight: 2500.00 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: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 55.43 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4043.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	21.00 ft			
Tool Length:	41.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4028.00	
Hydraulic tool	5.00			4033.00	
Packer	5.00			4038.00	20.00 Bottom Of Top Packer
Packer	5.00			4043.00	
Stubb	1.00			4044.00	
Perforations	2.00			4046.00	
Recorder	0.00	8647	Inside	4046.00	
Recorder	0.00	8365	Outside	4046.00	
Perforations	15.00			4061.00	
Bullnose	3.00			4064.00	21.00 Bottom Packers & Anchor
Total Tool Length:	41.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co

Campbell 2-8

202 W. Main St.
Salem, IL 62881

8-13-32 Logan, KS

Job Ticket: 39975

DST#: 3

ATTN: Brad Rine

Test Start: 2010.10.01 @ 08:58:23

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:

17000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.15 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2100.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
150.00	MW 85%W, 15%M	0.984

Total Length: 150.00 ft Total Volume: 0.984 bbl

Num Fluid Samples: 0

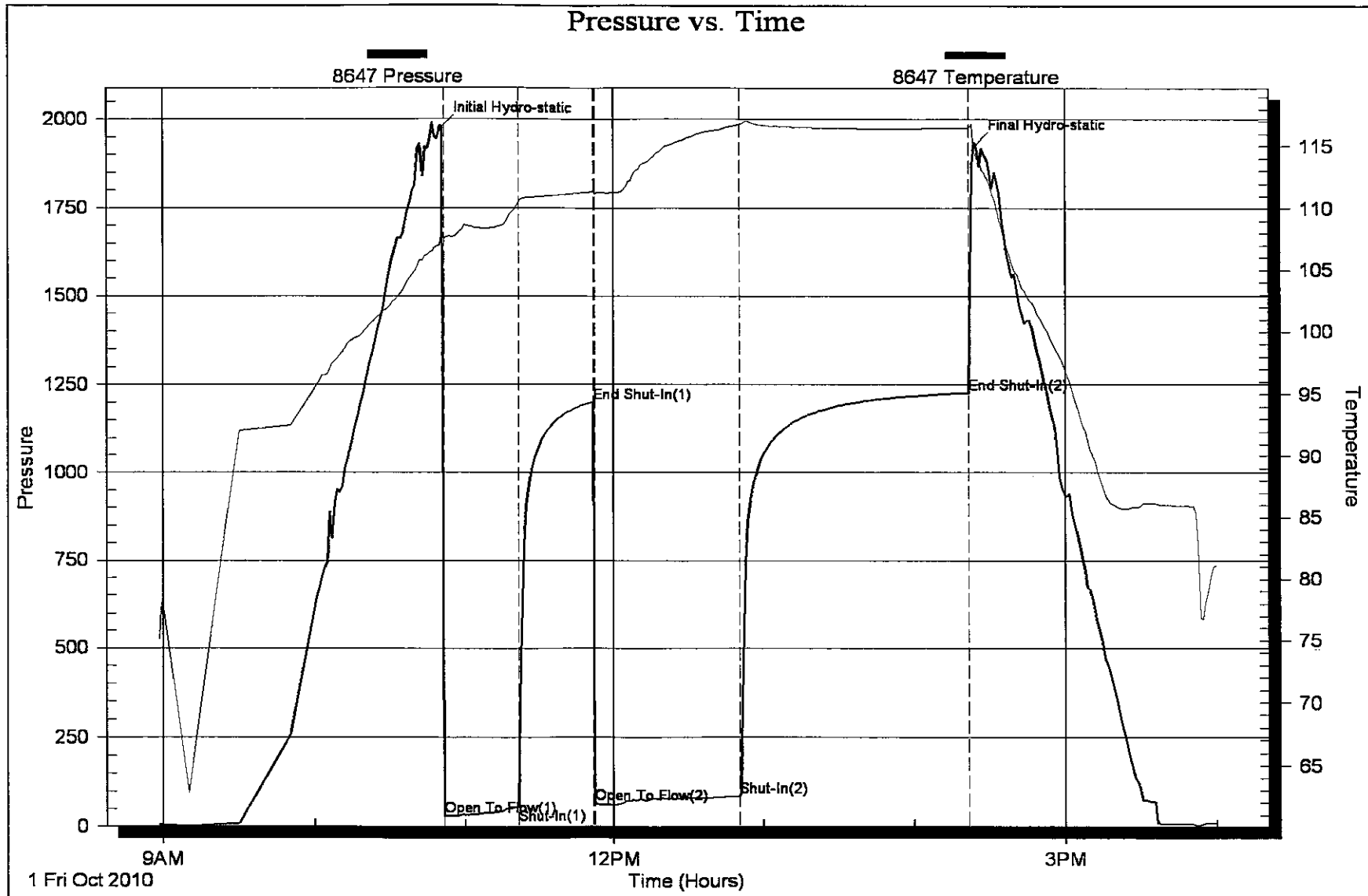
Num Gas Bombs: 0

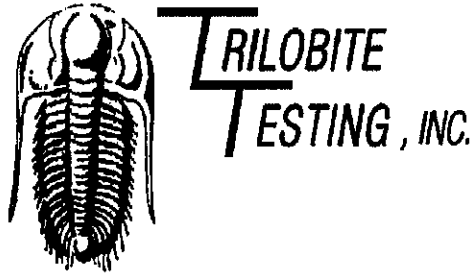
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co**

202 W. Main St.
Salem, IL 62881

ATTN: Brad Rine

8-13-32 Logan,KS

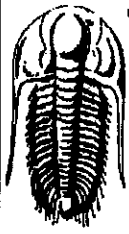
Campbell 2-8

Start Date: 2010.10.02 @ 02:15:16

End Date: 2010.10.02 @ 08:41:40

Job Ticket #: 40301 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
202 W. Main St.
Salem, IL 62881
ATTN: Brad Rine

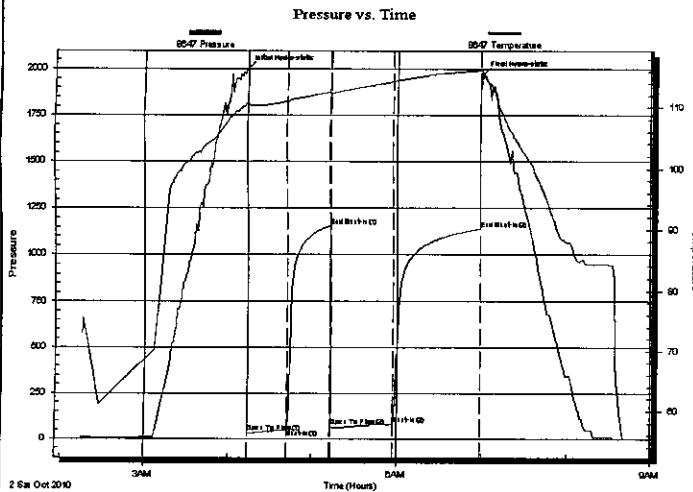
Campbell 2-8
8-13-32 Logan, KS
Job Ticket: 40301 **DST#: 4**
Test Start: 2010.10.02 @ 02:15:16

GENERAL INFORMATION:

Formation: **LKC "H"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:14:11
Time Test Ended: 08:41:40
Interval: **4090.00 ft (KB) To 4132.00 ft (KB) (TVD)**
Total Depth: **4132.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **KB to GR/CF: 5.00 ft**
Reference Elevations: **2964.00 ft (KB)**
2959.00 ft (CF)
Test Type: **Conventional Bottom Hole**
Tester: **Brian Fairbank**
Unit No: **41**

Serial #: 8647 Inside
Press@RunDepth: **77.96 psig @ 4093.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2010.10.02** End Date: **2010.10.02** Last Calib.: **2010.10.02**
Start Time: **02:15:16** End Time: **08:41:40** Time On Btm: **2010.10.02 @ 04:13:11**
Time Off Btm: **2010.10.02 @ 06:59:40**

TEST COMMENT: IFP - weak blow throughout sur - 2 1/2"
ISI - no blow back
FFP - weak blow throughout sur - 1"
FSI - no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1998.09	110.91	Initial Hydro-static
1	33.41	110.57	Open To Flow (1)
29	49.46	111.05	Shut-in(1)
60	1155.18	112.63	End Shut-in(1)
60	68.21	112.14	Open To Flow (2)
104	77.96	114.30	Shut-In(2)
165	1137.85	116.20	End Shut-In(2)
167	1969.34	115.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
119.00	MV 50%W, 50%M	0.59
15.00	VSOCM 2%O, 98%M	0.17
1.00	FREE OIL TSTM	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co

Campbell 2-8

202 W. Main St.
Salem, IL 62881

8-13-32 Logan,KS

Job Ticket: 40301

DST#: 4

ATTN: Brad Rine

Test Start: 2010.10.02 @ 02:15:16

Tool Information

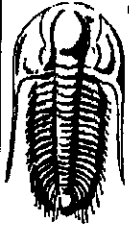
Drill Pipe:	Length: 3972.00 ft	Diameter: 3.80 inches	Volume: 55.72 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 70000.00 lb
			Total Volume: 56.32 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4090.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	42.00 ft			
Tool Length:	62.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			4075.00	
Hydraulic tool	5.00			4080.00	
Packer	5.00			4085.00	20.00 Bottom Of Top Packer
Packer	5.00			4090.00	
Stubb	1.00			4091.00	
Perforations	1.00			4092.00	
Change Over Sub	1.00			4093.00	
Recorder	0.00	8647	Inside	4093.00	
Recorder	0.00	8365	Outside	4093.00	
Blank Spacing	31.00			4124.00	
Change Over Sub	1.00			4125.00	
Perforations	4.00			4129.00	
Bullnose	3.00			4132.00	42.00 Bottom Packers & Anchor

Total Tool Length: 62.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co
202 W. Main St.
Salem, IL 62881
ATTN: Brad Rine

Campbell 2-8
8-13-32 Logan, KS
Job Ticket: 40301 **DST#: 4**
Test Start: 2010.10.02 @ 02:15:16

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: 19000 ppm	
Viscosity: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.73 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2500.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

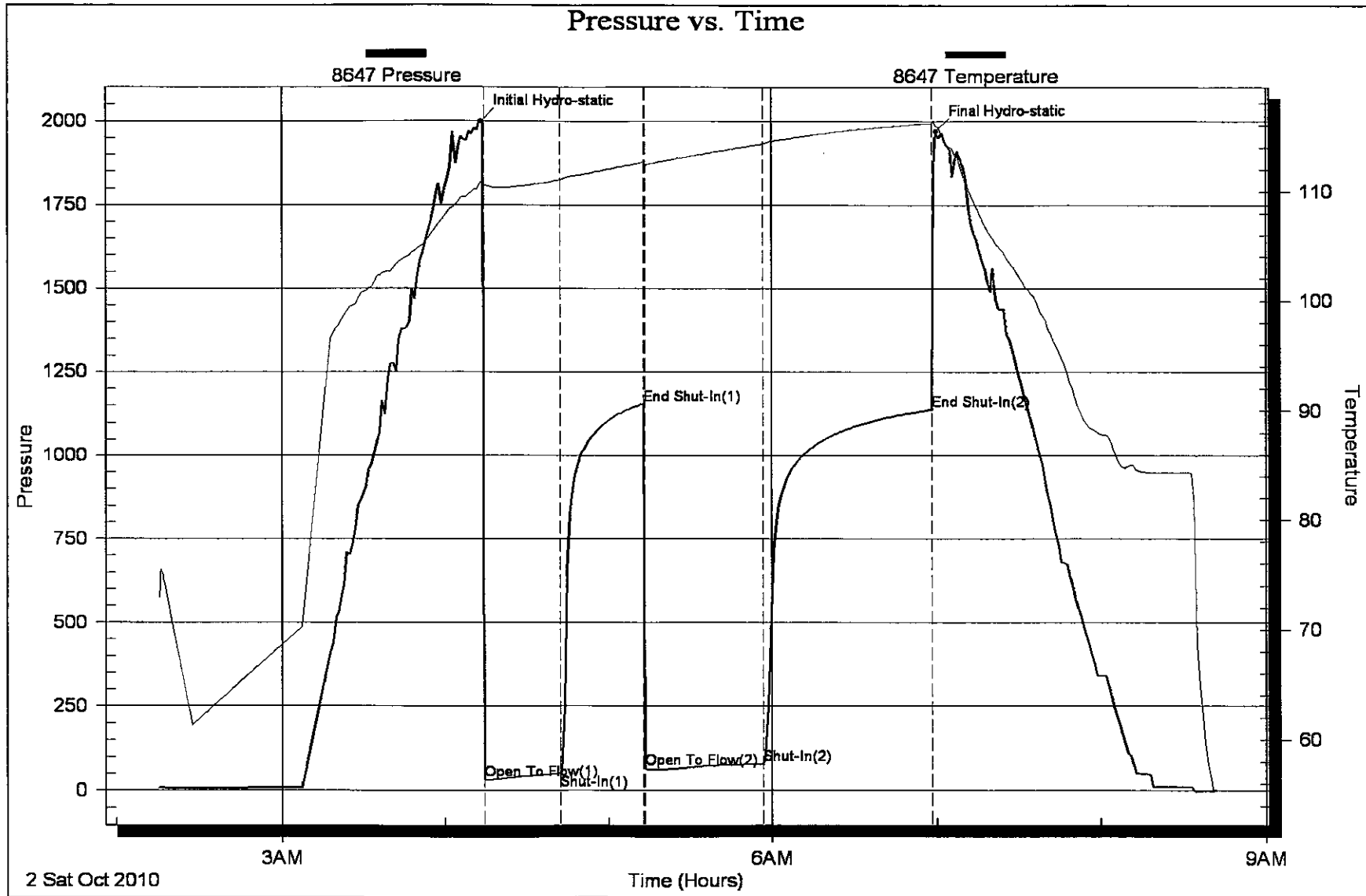
Length ft	Description	Volume bbl
119.00	MW 50%W, 50%M	0.585
15.00	VSOCM 2%O, 98%M	0.174
1.00	FREE OIL TSTM	0.014

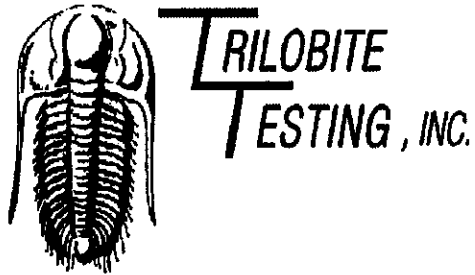
Total Length: 135.00 ft Total Volume: 0.773 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co**

202 W. Main St.
Salem, IL 62881

ATTN: Brad Rine

8-13-32 Logan,KS

Campbell 2-8

Start Date: 2010.10.02 @ 15:12:13

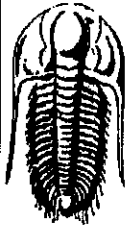
End Date: 2010.10.02 @ 21:15:07

Job Ticket #: 40302 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
 202 W. Main St.
 Salem, IL 62881
 ATTN: Brad Rine

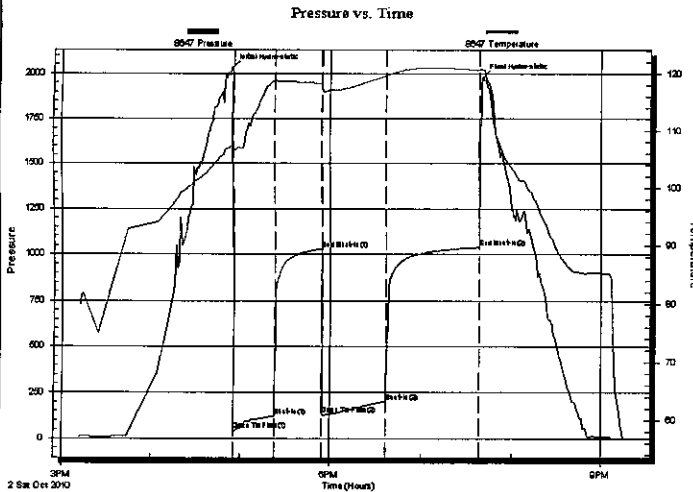
Campbell 2-8
8-13-32 Logan, KS
 Job Ticket: 40302 **DST#: 5**
 Test Start: 2010.10.02 @ 15:12:13

GENERAL INFORMATION:

Formation: **LKC "I"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:55:08
 Time Test Ended: 21:15:07
 Interval: **4122.00 ft (KB) To 4154.00 ft (KB) (TVD)**
 Total Depth: **4154.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: Good
 Test Type: Conventional Bottom Hole
 Tester: Brian Fairbank
 Unit No: 41
 Reference Elevations: 2964.00 ft (KB)
 2959.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8647 **Inside**
 Press@RunDepth: 201.25 psig @ 4126.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2010.10.02 End Date: 2010.10.02 Last Calib.: 2010.10.02
 Start Time: 15:12:13 End Time: 21:15:07 Time On Btm: 2010.10.02 @ 16:54:08
 Time Off Btm: 2010.10.02 @ 19:40:37

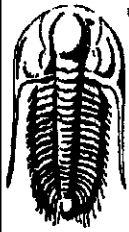
TEST COMMENT: IFP - BOB 21 min
 ISI - no blow back
 FFP - BOB 26 min
 FSI - no blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2028.09	107.34	Initial Hydro-static
1	46.40	106.28	Open To Flow (1)
29	120.80	118.79	Shut-in(1)
60	1029.68	118.22	End Shut-in(1)
61	131.43	117.65	Open To Flow (2)
103	201.25	119.58	Shut-in(2)
165	1036.45	120.58	End Shut-in(2)
167	1976.57	120.67	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
315.00	MW 95%W, 5%M	3.30
85.00	WM 30%W, 70%M	1.19

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co

Campbell 2-8

202 W. Main St.
Salem, IL 62881

8-13-32 Logan, KS

Job Ticket: 40302

DST#: 5

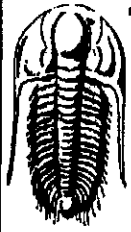
ATTN: Brad Rine

Test Start: 2010.10.02 @ 15:12:13

Tool Information

Drill Pipe:	Length: 4003.00 ft	Diameter: 3.80 inches	Volume: 56.15 bbl	Tool Weight: 2500.00 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: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 56.75 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4122.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	32.00 ft			
Tool Length:	52.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4107.00	
Hydraulic tool	5.00			4112.00	
Packer	5.00			4117.00	20.00 Bottom Of Top Packer
Packer	5.00			4122.00	
Stubb	1.00			4123.00	
Perforations	3.00			4126.00	
Recorder	0.00	8647	Inside	4126.00	
Recorder	0.00	8365	Outside	4126.00	
Perforations	25.00			4151.00	
Bullnose	3.00			4154.00	32.00 Bottom Packers & Anchor
Total Tool Length:	52.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co

Campbell 2-8

202 W. Main St.
Salem, IL 62881

8-13-32 Logan, KS

Job Ticket: 40302

DST#: 5

ATTN: Brad Rine

Test Start: 2010.10.02 @ 15:12:13

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:

27000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.16 in³

Gas Cushion Type:

Gas Cushion Pressure:

psig

Resistivity: ohm.m

Salinity: 3600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
315.00	MW 95%W, 5%M	3.298
85.00	WM 30%W, 70%M	1.192

Total Length: 400.00 ft Total Volume: 4.490 bbl

Num Fluid Samples: 0

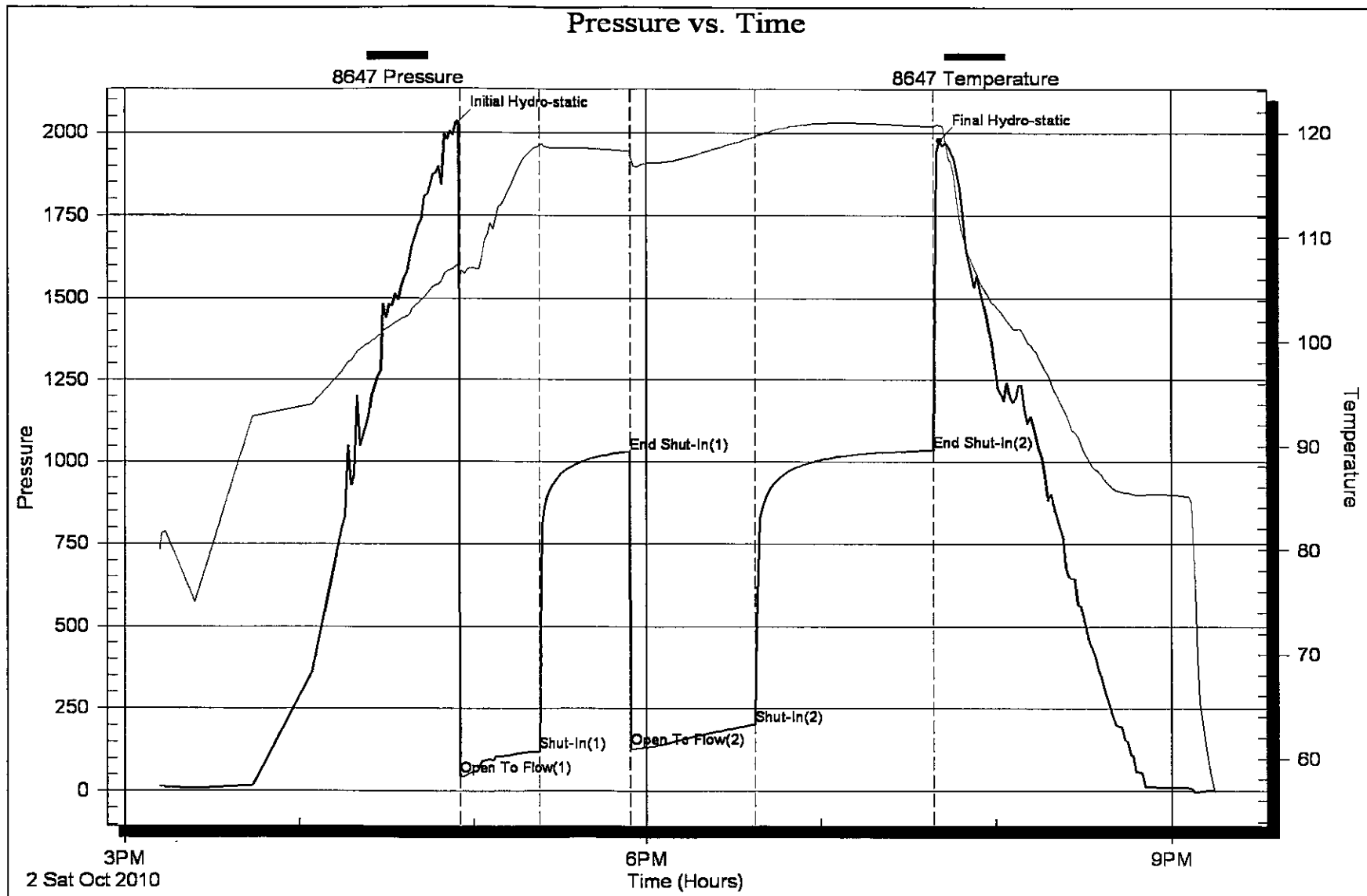
Num Gas Bombs: 0

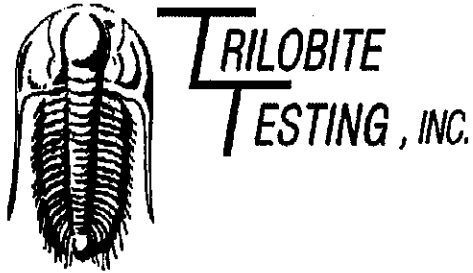
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co**

202 W. Main St.
Salem, IL 62881

ATTN: Brad Rine

8-13-32 Logan,KS

Campbell 2-8

Start Date: 2010.10.03 @ 04:38:36

End Date: 2010.10.03 @ 10:58:00

Job Ticket #: 40303 DST #: 6

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Shakespeare Oil Co

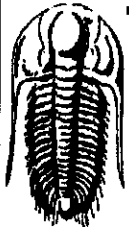
Campbell 2-8

8-13-32 Logan,KS

DST # 6

LKC "J"

2010.10.03



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co

Campbell 2-8

202 W. Main St.
Salem, IL 62881

8-13-32 Logan,KS

Job Ticket: 40303

DST#: 6

ATTN: Brad Rine

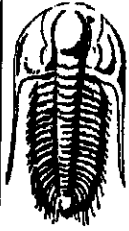
Test Start: 2010.10.03 @ 04:38:36

Tool Information

Drill Pipe:	Length: 4034.00 ft	Diameter: 3.80 inches	Volume: 56.59 bbl	Tool Weight: 2500.00 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: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 75000.00 lb
		<u>Total Volume:</u>	<u>57.19 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4151.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.00 ft			
Tool Length:	43.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut in Tool	5.00			4136.00	
Hydraulic tool	5.00			4141.00	
Packer	5.00			4146.00	20.00 Bottom Of Top Packer
Packer	5.00			4151.00	
Stubb	1.00			4152.00	
Perforations	4.00			4156.00	
Recorder	0.00	8647	Inside	4156.00	
Recorder	0.00	8365	Outside	4156.00	
Perforations	15.00			4171.00	
Bullnose	3.00			4174.00	23.00 Bottom Packers & Anchor
Total Tool Length:	43.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co

Campbell 2-8

202 W. Main St.
Salem, IL 62881

8-13-32 Logan, KS

Job Ticket: 40303

DST#: 6

ATTN: Brad Rine

Test Start: 2010.10.03 @ 04:38:36

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:

26000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.17 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
250.00	MW 95%W, 5%M	2.386
105.00	50%W, 50%M	1.473

Total Length: 355.00 ft Total Volume: 3.859 bbl

Num Fluid Samples: 0

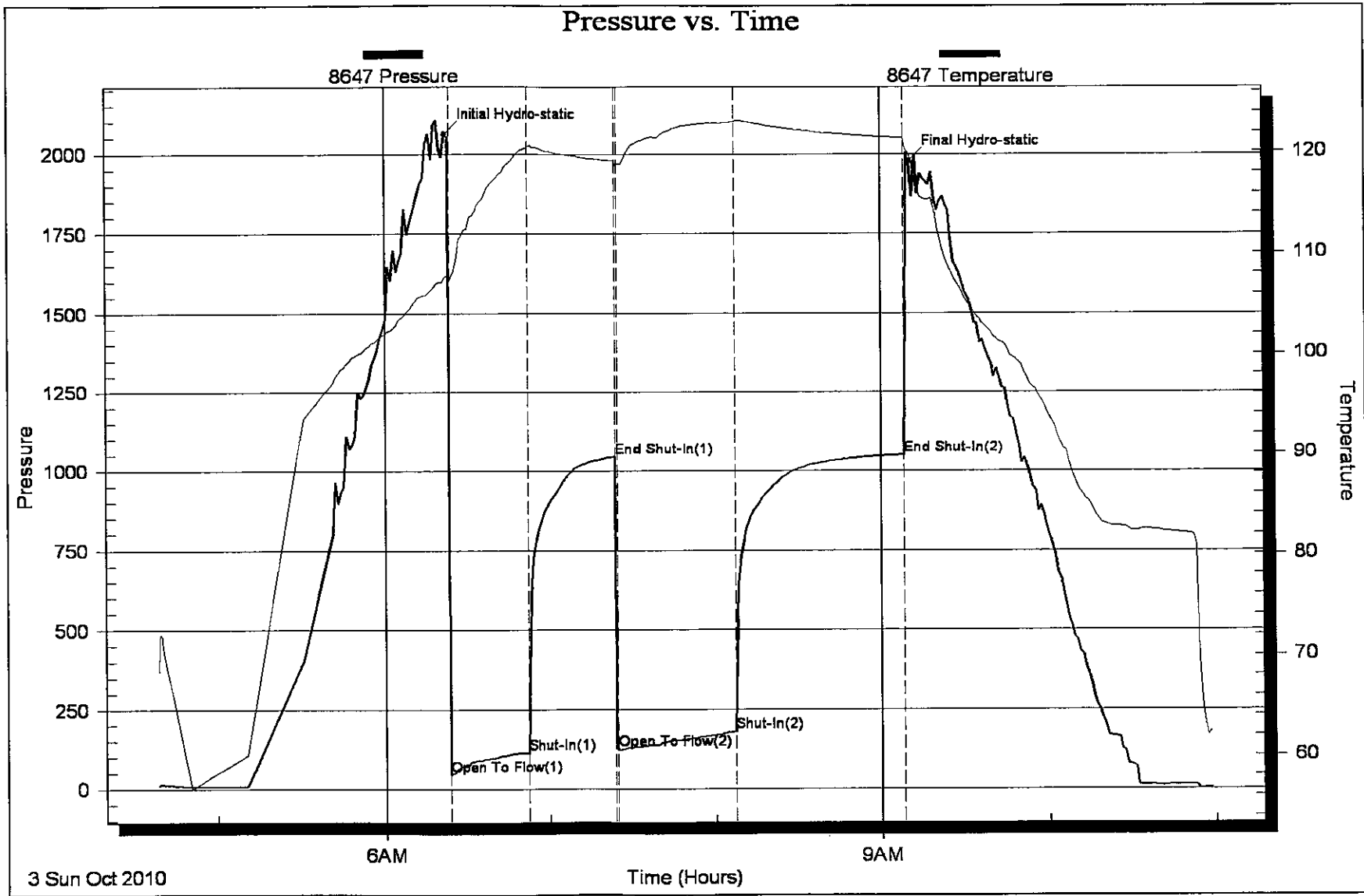
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co**

202 W. Main St.
Salem, IL 62881

ATTN: Brad Rine

8-13-32 Logan,KS

Campbell 2-8

Start Date: 2010.10.03 @ 17:59:07

End Date: 2010.10.03 @ 23:57:31

Job Ticket #: 40304 DST #: 7

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Shakespeare Oil Co

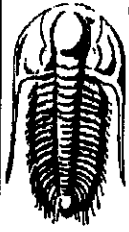
Campbell 2-8

8-13-32 Logan,KS

DST # 7

LKC "K"

2010.10.03



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shakespeare Oil Co

Campbell 2-8

202 W. Main St.
Salem, IL 62881

8-13-32 Logan, KS

ATTN: Brad Rine

Job Ticket: 40304

DST#: 7

Test Start: 2010.10.03 @ 17:59:07

GENERAL INFORMATION:

Formation: **LKC "K"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:22:32
 Time Test Ended: 23:57:31

Test Type: Conventional Bottom Hole
 Tester: Brian Fairbank
 Unit No: 41

Interval: **4176.00 ft (KB) To 4200.00 ft (KB) (TVD)**
 Total Depth: **4200.00 ft (KB) (TVD)**
 Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2964.00 ft (KB)
 2959.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8647

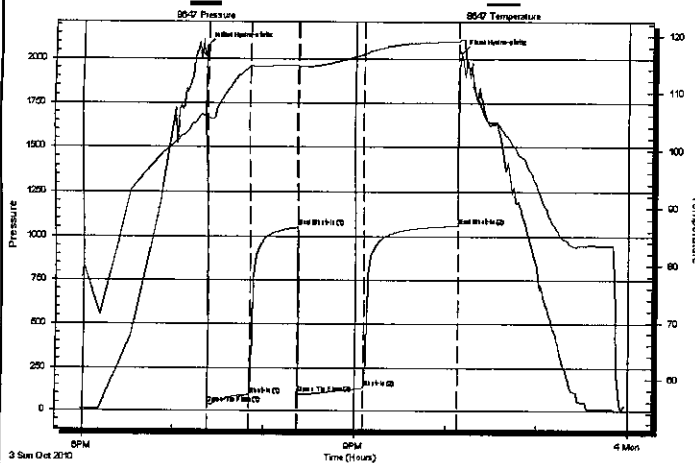
Inside

Press@RunDepth: 130.23 psig @ 4182.00 ft (KB)
 Start Date: 2010.10.03 End Date: 2010.10.03
 Start Time: 17:59:07 End Time: 23:57:31

Capacity: 8000.00 psig
 Last Calib.: 2010.10.04
 Time On Btm: 2010.10.03 @ 19:21:32
 Time Off Btm: 2010.10.03 @ 22:09:32

TEST COMMENT: IFP - weak to good blow sur - 6 1/2"
 ISI - no blow back
 FFP - weak to strong blow sur - 9"
 FSI - no blow back

Pressure vs. Time



PRESSURE SUMMARY

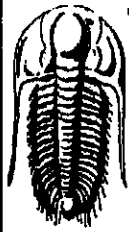
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2070.75	106.19	Initial Hydro-static
1	40.44	105.71	Open To Flow (1)
29	91.50	114.66	Shut-In(1)
61	1050.99	114.79	End Shut-In(1)
61	102.17	114.49	Open To Flow (2)
105	130.23	116.75	Shut-In(2)
167	1058.18	118.98	End Shut-In(2)
168	2034.80	119.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
150.00	MW 90%W, 10%M	0.98
80.00	WM 30%W, 70%M	1.12
10.00	FREE OIL 95%O, 5%M	0.14

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co

Campbell 2-8

202 W. Main St.
Salem, IL 62881

8-13-32 Logan,KS

Job Ticket: 40304

DST#: 7

ATTN: Brad Rine

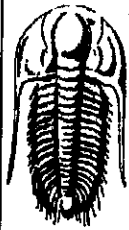
Test Start: 2010.10.03 @ 17:59:07

Tool Information

Drill Pipe:	Length: 4062.00 ft	Diameter: 3.80 inches	Volume: 56.98 bbl	Tool Weight: 2500.00 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: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 57.58 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4176.00 ft			Final 63000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.00 ft			
Tool Length:	44.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4161.00	
Hydraulic tool	5.00			4166.00	
Packer	5.00			4171.00	20.00 Bottom Of Top Packer
Packer	5.00			4176.00	
Stubb	1.00			4177.00	
Perforations	5.00			4182.00	
Recorder	0.00	8647	Inside	4182.00	
Recorder	0.00	8365	Outside	4182.00	
Perforations	15.00			4197.00	
Bullnose	3.00			4200.00	24.00 Bottom Packers & Anchor
Total Tool Length:	44.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co

Campbell 2-8

202 W. Main St.
Salem, IL 62881

8-13-32 Logan, KS

Job Ticket: 40304

DST#: 7

ATTN: Brad Rine

Test Start: 2010.10.03 @ 17:59:07

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

21000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.36 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
150.00	MW 90%W, 10%M	0.984
80.00	WM 30%W, 70%M	1.122
10.00	FREE OIL 95%O, 5%M	0.140

Total Length: 240.00 ft Total Volume: 2.246 bbl

Num Fluid Samples: 0

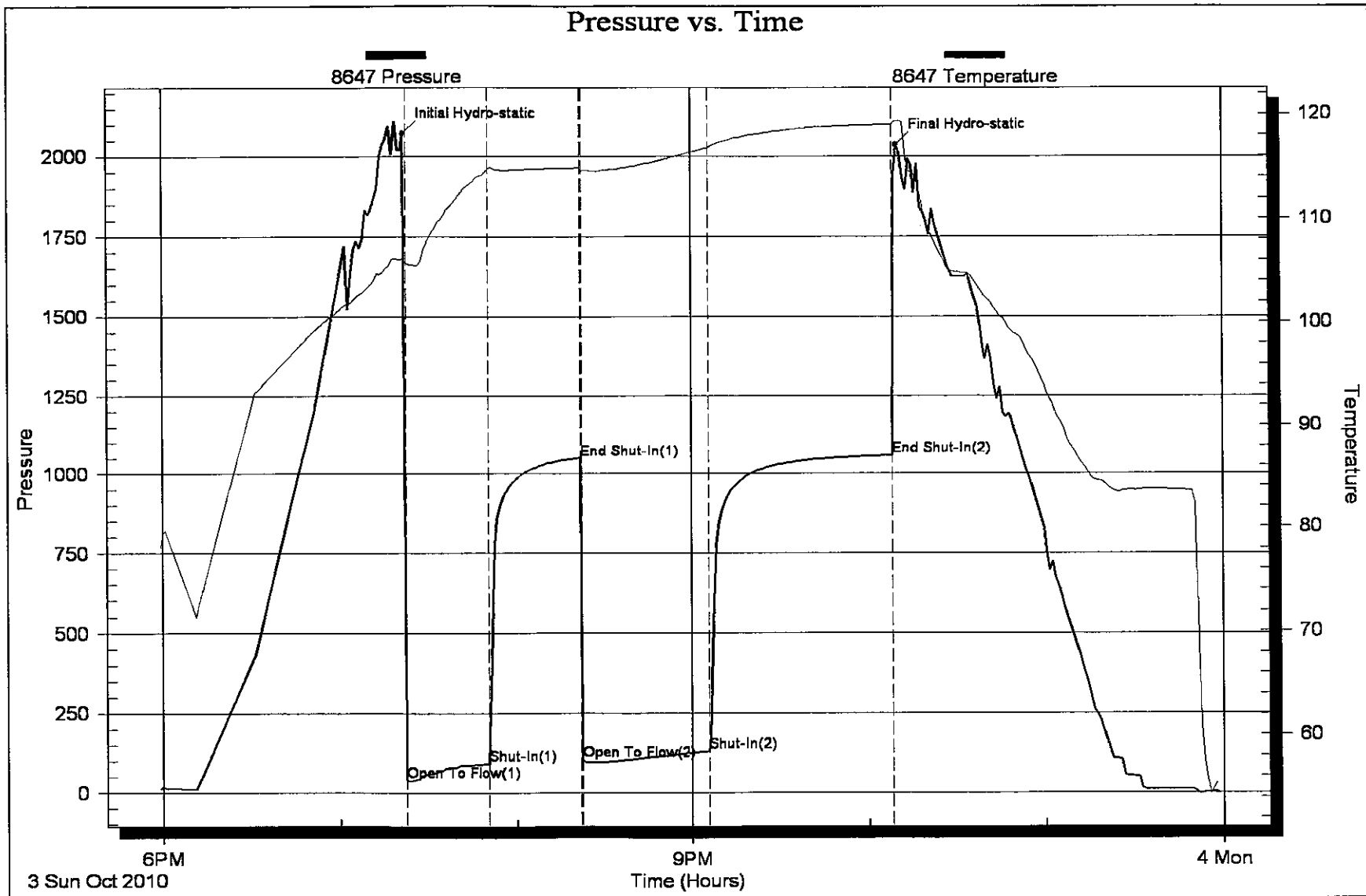
Num Gas Bombs: 0

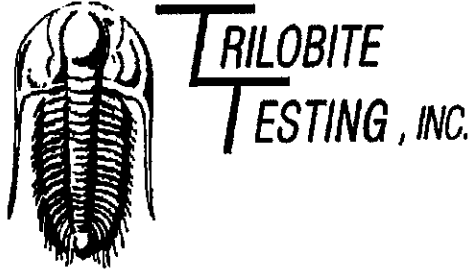
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co**

202 W. Main St.
Salem, IL 62881

ATTN: Brad Rine

8-13-32 Logan,KS

Campbell 2-8

Start Date: 2010.10.05 @ 07:59:39

End Date: 2010.10.05 @ 13:50:03

Job Ticket #: 40305 DST #: 8

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Shakespeare Oil Co

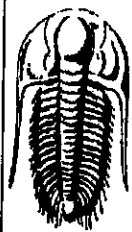
Campbell 2-8

8-13-32 Logan,KS

DST # 8

Myric Station - Ft.

2010.10.05



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shakespeare Oil Co

Campbell 2-8

202 W. Main St.
Salem, IL 62881

8-13-32 Logan, KS

ATTN: Brad Rine

Job Ticket: 40305

DST#: 8

Test Start: 2010.10.05 @ 07:59:39

GENERAL INFORMATION:

Formation: **Myric Station - Ft.**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 10:09:04
 Time Test Ended: 13:50:03

Test Type: Conventional Bottom Hole
 Tester: Brian Fairbank
 Unit No: 41

Interval: **4403.00 ft (KB) To 4460.00 ft (KB) (TVD)**
 Total Depth: **4460.00 ft (KB) (TVD)**
 Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2964.00 ft (KB)
 2959.00 ft (CF)
 KB to GR/CF: 5.00 ft

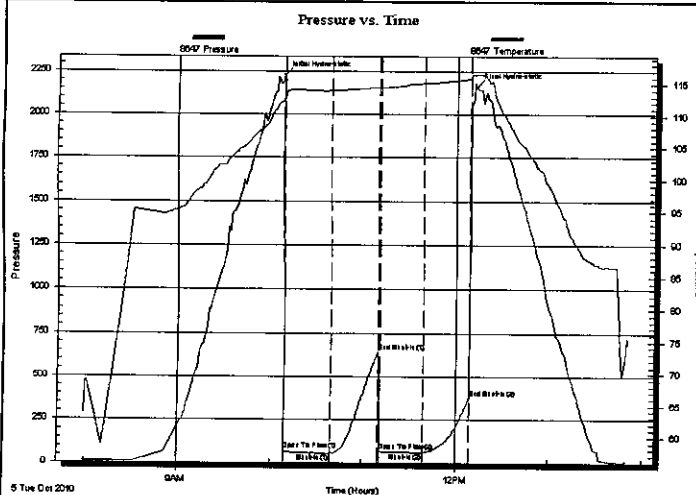
Serial #: 8647

Inside

Press@RunDepth: 60.32 psig @ 4410.00 ft (KB)
 Start Date: 2010.10.05 End Date: 2010.10.05
 Start Time: 07:59:39 End Time: 13:50:03

Capacity: 8000.00 psig
 Last Calib.: 2010.10.05
 Time On Btm: 2010.10.05 @ 10:08:04
 Time Off Btm: 2010.10.05 @ 12:12:04

TEST COMMENT: IFP - sur blow throughout
 ISI - no blow back
 FFP - no blow
 FSI - no blow back



PRESSURE SUMMARY

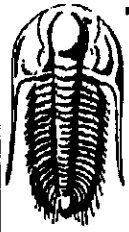
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2227.36	112.95	Initial Hydro-static
1	74.21	112.83	Open To Flow (1)
32	56.76	113.98	Shut-In(1)
62	643.79	114.52	End Shut-In(1)
63	70.83	114.43	Open To Flow (2)
91	60.32	115.14	Shut-In(2)
121	377.33	115.80	End Shut-In(2)
124	2159.74	116.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	drl mud 100%	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co

Campbell 2-8

202 W. Main St.
Salem, IL 62881

8-13-32 Logan, KS

Job Ticket: 40305

DST#: 8

ATTN: Brad Rine

Test Start: 2010.10.05 @ 07:59:39

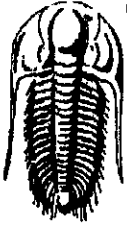
Tool Information

Drill Pipe:	Length: 4285.00 ft	Diameter: 3.80 inches	Volume: 60.11 bbl	Tool Weight: 2500.00 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: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 95000.00 lb
			<u>Total Volume: 60.71 bbl</u>	Tool Chased 5.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 67000.00 lb
Depth to Top Packer:	4403.00 ft			Final 67000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	57.00 ft			
Tool Length:	77.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:
Tool slid 5' to bottom

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4388.00	
Hydraulic tool	5.00			4393.00	
Packer	5.00			4398.00	20.00 Bottom Of Top Packer
Packer	5.00			4403.00	
Stubb	1.00			4404.00	
Perforations	5.00			4409.00	
Change Over Sub	1.00			4410.00	
Recorder	0.00	8647	Inside	4410.00	
Recorder	0.00	8365	Outside	4410.00	
Blank Spacing	31.00			4441.00	
Change Over Sub	1.00			4442.00	
Perforations	15.00			4457.00	
Bullnose	3.00			4460.00	57.00 Bottom Packers & Anchor

Total Tool Length: 77.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co

Campbell 2-8

202 W. Main St.
Salem, IL 62881

8-13-32 Logan, KS

Job Ticket: 40305

DST#: 8

ATTN: Brad Rine

Test Start: 2010.10.05 @ 07:59:39

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: 56.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.96 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
10.00	drl mud 100%	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbf

Num Fluid Samples: 0

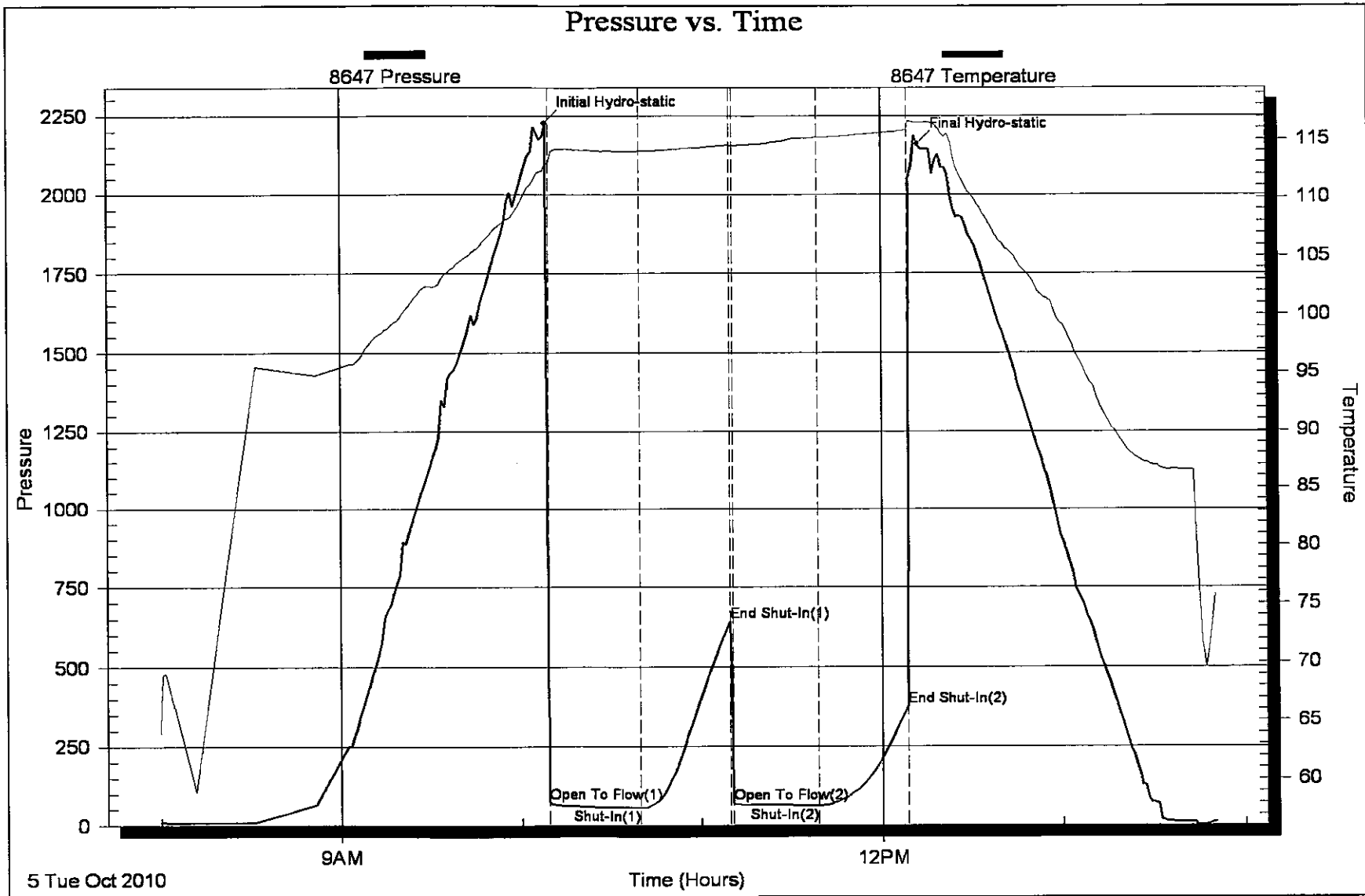
Num Gas Bombs: 0

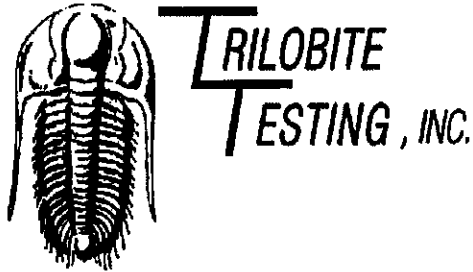
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co**

202 W. Main St.
Salem, IL 62881

ATTN: Brad Rine

8-13-32 Logan,KS

Campbell 2-8

Start Date: 2010.10.06 @ 01:29:23

End Date: 2010.10.06 @ 08:15:47

Job Ticket #: 40306 DST #: 9

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Shakespeare Oil Co

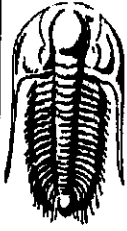
Campbell 2-8

8-13-32 Logan,KS

DST # 9

Johnson

2010.10.06



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shakespeare Oil Co
202 W. Main St.
Salem, IL 62881
ATTN: Brad Rine

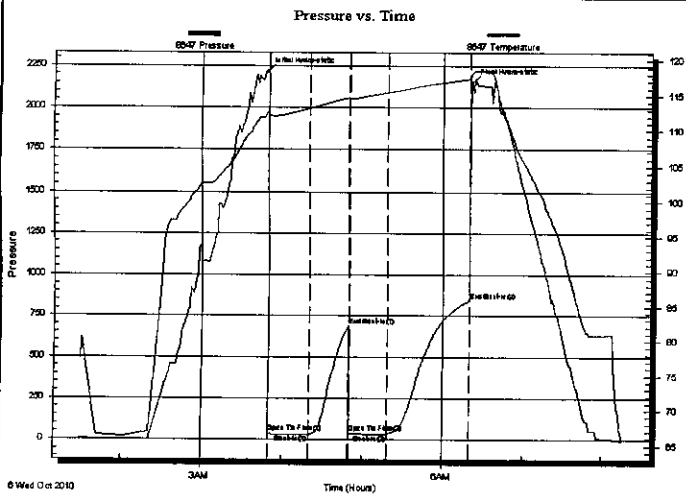
Campbell 2-8
8-13-32 Logan, KS
Job Ticket: 40306 **DST#: 9**
Test Start: 2010.10.06 @ 01:29:23

GENERAL INFORMATION:

Formation: **Johnson**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:50:18
Time Test Ended: 08:15:47
Interval: **4482.00 ft (KB) To 4536.00 ft (KB) (TVD)**
Total Depth: 4536.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Brian Fairbank
Unit No: 41
Reference Elevations: 2964.00 ft (KB)
2959.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8647 Inside
Press@RunDepth: 31.65 psig @ 4486.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2010.10.06 End Date: 2010.10.06 Last Calib.: 2010.10.06
Start Time: 01:29:23 End Time: 08:15:47 Time On Btm: 2010.10.06 @ 03:48:48
Time Off Btm: 2010.10.06 @ 06:21:47

TEST COMMENT: IFP - 1/4" blow - died 23 min
ISI - no blow back
FFP - no blow
FSI - no blow back



PRESSURE SUMMARY

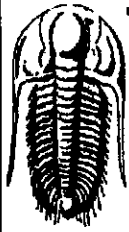
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2214.09	112.57	Initial Hydro-static
2	39.65	112.18	Open To Flow (1)
32	28.61	113.22	Shut-In(1)
61	688.69	114.68	End Shut-In(1)
62	39.81	114.55	Open To Flow (2)
90	31.65	115.47	Shut-In(2)
151	842.87	117.42	End Shut-In(2)
153	2152.13	118.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	VSOCM 2%O, 98%M	0.02

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co

Campbell 2-8

202 W. Main St.
Salem, IL 62881

8-13-32 Logan, KS

Job Ticket: 40306

DST#: 9

ATTN: Brad Rine

Test Start: 2010.10.06 @ 01:29:23

Tool Information

Drill Pipe:	Length: 4347.00 ft	Diameter: 3.80 inches	Volume: 60.98 bbl	Tool Weight: 2500.00 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: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 61.58 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 67000.00 lb
Depth to Top Packer:	4482.00 ft			Final 67000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	54.00 ft			
Tool Length:	74.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4467.00	
Hydraulic tool	5.00			4472.00	
Packer	5.00			4477.00	20.00 Bottom Of Top Packer
Packer	5.00			4482.00	
Stubb	1.00			4483.00	
Perforations	2.00			4485.00	
Change Over Sub	1.00			4486.00	
Recorder	0.00	8647	Inside	4486.00	
Recorder	0.00	8365	Outside	4486.00	
Blank Spacing	31.00			4517.00	
Change Over Sub	1.00			4518.00	
Perforations	15.00			4533.00	
Bullnose	3.00			4536.00	54.00 Bottom Packers & Anchor

Total Tool Length: 74.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co

Campbell 2-8

202 W. Main St.
Salem, IL 62881

8-13-32 Logan, KS

Job Ticket: 40306

DST#: 9

ATTN: Brad Rine

Test Start: 2010.10.06 @ 01:29:23

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:

bbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	VSOCM 2%O, 98%M	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

