

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

RECEIVED ORIGINAL
Form ACO-1
June 2009

JAN 07 2011
Form Must Be Typed
Form must be Signed
All blanks must be Filled

KCC WICHITA 1/5/13

OPERATOR: License # 7311
Name: Shakespeare Oil Company, Inc.
Address 1: 202 West Main St.
Address 2: _____
City: Salem State: IL Zip: 62881
Contact Person: Donald R Williams
Phone: (618) 548-1585
CONTRACTOR: License # 30141
Name: Summit Drilling Company
Wellsite Geologist: Tom Pronold
Purchaser: N/A

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Designate Type of Completion:
 New Well Re-Entry Workover
 Oil WSW SWD SIOW
 Gas D&A ENHR SIGW
 OG GSW Temp. Abd.
 CM (Coal Bed Methane)
 Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:
Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____
 Deepening Re-perf. Conv. to ENHR Conv. to SWD
 Conv. to GSW
 Plug Back: _____ Plug Back Total Depth _____
 Commingled Permit #: _____
 Dual Completion Permit #: _____
 SWD Permit #: _____
 ENHR Permit #: _____
 GSW Permit #: _____
10/25/2010 11/05/2010 11/05/2010
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 197-20287-0000
Spot Description: _____
SW_NE_NE_NW Sec. 1 Twp. 15 S. R. 9 East West
520 Feet from North / South Line of Section
2,090 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Wabaunsee
Lease Name: Buchman Well #: 1-1
Field Name: Wildcat
Producing Formation: _____
Elevation: Ground: 1483' Kelly Bushing: 1493'
Total Depth: 3486' Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 312 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: _____ Feet
If Alternate II completion, cement circulated from: _____
feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 6500 ppm Fluid volume: 2500 bbls
Dewatering method used: evaporation
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License #: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Permit #: _____

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.

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: Donald R Willi
Title: Vice-President Date: 1/5/11

KCC Office Use ONLY
 Letter of Confidentiality Received
Date: 1/5/11 - 1/5/13
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: NJ Date: 1-24-11
DA

Operator Name: Shakespeare Oil Company, Inc. Lease Name: Buchman Well #: 1-1

Sec. 1 Twp. 15 S. R. 9 East West County: Wabaunsee

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

Drill Stem Tests Taken Yes No
(Attach Additional Sheets)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No

Electric Log Submitted Electronically Yes No
(If no, Submit Copy)

Log Formation (Top), Depth and Datum Sample

Name Top Datum

See Geological Report

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List All E. Logs Run:
DIL/GR, CDL, CNL, Sonic

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/4"	8 5/8"	23#	312'	Class A	165	

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

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

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TUBING RECORD:		Size:	Set At:	Packer At:	Liner Run:	<input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed 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: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Shakespeare Oil company, Inc.
Buchman #1-1
520'FNL, 2090'FWL, NW/4, Sec. 1-15S-9E
Wabaunsee County, KS
API# 15-197-20287
EGL 1483'; EKB 1493'

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Summary of Well Information

Spud Date/Finish Date: 10/25/2010 - 11/05/2010
Field: Wildcat
Drilling Contractor/Rig No: Summit Drilling Co./ Rig #1
Total Depth: DTD 3486'; LTD 3483'
Surface Casing: 8 5/8", 23# set at 312', cmt'd with 165 sacks
Production casing: N/A
Drill Time Kept: 1500' to 3486'
Samples Examined: 1500' to 3486'
Prospect Geologist: Tom Pronold & Jon Christensen
Wellsite Geologist: Tom Pronold
Drill Stem Test Co./Tester: Trilobite Testing/Andy Carreira
Number of Tests: 2 / Viola, Simpson
Core Company/Core Man: N/A
Mud Company/Engineer: FUD MUD
Mud Type: Chemical
Logging Company: Log-Tech
Logs Ran: DIL/SP/GR, CN/CD/GR/CAL, Sonic
Total Depth Formation: Arbuckle
Samples: Saved from 1500'-3486'
Well Status: Dry Hole, P&A 11/05/2010

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SHAKESPEARE OIL COMPANY, INC.

Buchman #1-1

520' FNL 2090' FWL, Sec. 1-15S-9E
Wabaunsee Co., KS
API# 15-197-20287; EGL 1483'; EKB 1493'

GEOLOGICAL SUMMARY

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Spud Date: 10/25/2010
Completion Date: 11/05/2010
Drilling Contractor: Summit Drilling Rig #1
Wellsite Geologist: Tom Pronold
Geological Tops: * All tops picked from Log-Tech Wireline logs.*

<u>Formation</u>	<u>Top</u>	<u>Base</u>	<u>Comments</u>
Brown Lime	1654' -161'		
Lansing	1664' -171'		
Kansas City	1812' -319'		
BKC	2018' -525'		
Marmaton	2112' -619'		
Cherokee	2250' -757'		
Burgess Ss	2599' -1106'		
Missippian	2619' -1126'		
Kinderhook	2913' -1410'		
Hunton	3054' -1561'		
Maquoketa	3186' -1693'		
Viola	3270' -1777'		sso, DST#1
Simpson	3378' -1885'		sso, DST#2
Arbuckle	3438' -1945'		
DTD	3486' -1993'		

DST #1: Viola 3255-3280' 30-30-15-60. Rec'd 2150' SW. IF: BOB 1 min, no return, FF: BOB 30 sec, no return, IFP 257-851#, FFP 858-961#, ISIP 995#, FSIP 999#, BHT = 118 F.

DST #2: Simpson Ss 3360-3391' 15-15. Rec'd 1736' SW. IF: BOB 30 sec, no return, FF: none, pulled tool, IFP 438-793#, FFP none, ISIP 995#, FSIP none, BHT = 122 F.

Logs: Log-Tech -Dual Induction/SP/GR, CD/CN/GR, Sonic. LTD 3483'

Status: *Based on the negative DST results and lower than expected structural position, Shakespeare Oil Company, Inc. recommends that this well be plugged and abandoned according to the rules and regulations of the state of Kansas.*

Respectfully submitted,

Dale K. Helpingstine

Dale K. Helpingstine
Geologist, IL#196-000596

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CONSOLIDATED
Oil Well Services, LLC

REMIT TO
Consolidated Oil Well Services, LLC
Dept. 970
P.O. Box 4346
Houston, TX 77210-4346

MAIN OFFICE
P.O. Box 884
Chanute, KS 66720
620/431-9210 • 1-800/467-8676
FAX 620/431-0012

KCC
JAN 05 2011

INVOICE

CONFIDENTIAL Invoice # 237889

Invoice Date: 11/09/2010 Terms: *file* Page 1

SHAKESPEARE OIL CO
202 W MAIN ST
SALEM IL 62881
() -

INT

BUCHMAN 1-1
29755
11-05-10

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NOV 12 2010

Part Number	Description	Qty	Unit Price	Total
1131	60/40 POZ MIX	165.00	11.3500	1872.75
1118B	PREMIUM GEL / BENTONITE	570.00	.2000	114.00

Description	Hours	Unit Price	Total
445 P & A NEW WELL	1.00	925.00	925.00
445 EQUIPMENT MILEAGE (ONE WAY)	80.00	3.65	292.00
515 TON MILEAGE DELIVERY	567.20	1.20	680.64

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Parts:	1986.75	Freight:	.00	Tax:	154.96	AR	4039.35
Labor:	.00	Misc:	.00	Total:	4039.35		
Sublt:	.00	Supplies:	.00	Change:	.00		

Signed _____ Date _____



PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

ENTERED

TICKET NUMBER 29755
LOCATION Eureka
FOREMAN Kevin McCoy

**FIELD TICKET & TREATMENT REPORT
CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
11-5-10	7524	Buchman #1-1	1	15S	9E	WABARNEE
CUSTOMER Shakespeare Oil Co.		SAFETY Meeting KM SF AB	TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS 202 W. MAIN ST.			445	SHANNON		
CITY Salem	STATE IL		515	ALLEN B		
ZIP CODE 62881						

JOB TYPE P.T.A. 0 HOLE SIZE 7 7/8 HOLE DEPTH 3486' CASING SIZE & WEIGHT _____
 CASING DEPTH _____ DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL 41 BBL WATER gal/sk _____ CEMENT LEFT In CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety Meeting: Rig up to 4" Drill Pipe. Spot Cement Plugs as following.

15 SKS @ 3470'
15 SKS @ 3270'
15 SKS @ 1750'
120 SKS From 360' to SURFACE

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ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5405 N	1	PUMP CHARGE	925.00	925.00
5406	80	MILEAGE	3.65	292.00
1131	165 SKS	60/40 Pozmix Cement	11.35	1872.75
1118 B	570 *	Gel 4%	.20	114.00
5407 A	7.09 Tons	80 miles BULK Delv.	1.20	680.64
			Sub Total	3884.39
THANK YOU			SALES TAX 7.8%	154.96
			ESTIMATED TOTAL	4039.35

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M 231889

AUTHORIZATION Darlap TITLE Summit Delq. Toolpusher DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



CONSOLIDATED
Oil Well Services, LLC

REMIT TO
Consolidated Oil Well Services, LLC
Dept. 970
P.O. Box 4346
Houston, TX 77210-4346

MAIN OFFICE
P.O. Box 884
Chanute, KS 66720
620/431-9210 • 1-800/467-8676
FAX 620/431-0012

INVOICE

Invoice # 237605

Invoice Date: 10/27/2010 Terms: Page 1

SHAKESPEARE OIL CO
202 W MAIN ST
SALEM IL 62881
() -

BUCHMAN 1-1
29763
10-26-10

file
INT

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	165.00	13.5000	2227.50
1102	CALCIUM CHLORIDE (50#)	465.00	.7500	348.75
1118B	PREMIUM GEL / BENTONITE	310.00	.2000	62.00
1107	FLO-SEAL (25#)	40.00	2.1000	84.00
Description		Hours	Unit Price	Total
520	CEMENT PUMP (SURFACE)	1.00	725.00	725.00
520	EQUIPMENT MILEAGE (ONE WAY)	80.00	3.65	292.00
543	TON MILEAGE DELIVERY	620.80	1.20	744.96

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JAN 07 2011

KCC WICHITA

Parts:	2722.25	Freight:	.00	Tax:	212.34	AR	4696.55
Labor:	.00	Misc:	.00	Total:	4696.55		
Sublt:	.00	Supplies:	.00	Change:	.00		

Signed _____ Date _____



CONSOLIDATED
Oil Well Services, LLC

ENTERED

TICKET NUMBER 29763

LOCATION Eureka KS

FOREMAN Rick Ledford

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY		
10-26-10	1524	Burkman # 1-1	1	15	9E	Uttawa		
CUSTOMER Shakespeare Oil Co.			Safety meeting at 2					
MAILING ADDRESS 202 W. Main St.								
CITY Salem		STATE IL					ZIP CODE 62881	
TRUCK #							DRIVER	
			520		Cliff			
			543		Allen B.			

JOB TYPE Surbo 0 HOLE SIZE 12 1/4" HOLE DEPTH 330' CASING SIZE & WEIGHT 8 5/8"
 CASING DEPTH 315' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 15" SLURRY VOL _____ WATER gal/sk 6.5 CEMENT LEFT in CASING 20'
 DISPLACEMENT 18 3/4 bbl DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting - Rig up to 8 5/8" casing. Break circulation w/ 10 bbl fresh water ahead. Mixed 11.5 sacks class "A" cement w/ 3% CaCl2, 2% gel + 1/4" floccle 1/sk @ 15"/gal. Displace w/ 18 3/4 bbl fresh water. Shut casing in w/ good cement returns to surface = 10 bbl slurry to pre. Job complete. Rig down.

"Thank You"

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54013	1	PUMP CHARGE	725.00	725.00
5406	80	MILEAGE	3.65	292.00
11045	11.5 SKS	Class "A" cement	13.50	2227.50
1102	46.5"	3% CaCl2	.75	348.75
1118A	3.10"	2% gel	.20	62.00
1107	4.0"	1/4" floccle 1/sk	2.10	84.00
5407A	7.76	tan military bulk tax	1.20	744.96
RECEIVED				
JAN 07 2011				
KCC WICHITA				
			Subtotal	4484.21
			SALES TAX 2.8%	212.34
			ESTIMATED TOTAL	4696.55

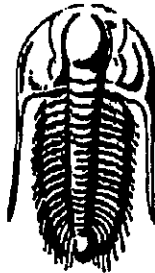
Revin 3737

AUTHORIZATION Dom G

TITLE 231605

DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co.**

202 West Main St
Salem, IL 62881

ATTN: Tom Pronhold

1-15-9 Wabaunsee,KS

Buchman 1-1

Start Date: 2010.11.02 @ 13:56:05

End Date: 2010.11.02 @ 23:46:20

Job Ticket #: 040019 DST #: 1

**KCC
JAN 05 2011
CONFIDENTIAL**

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

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KCC WICHITA**

Shakespeare Oil Co.

Buchman 1-1

1-15-9 Wabaunsee,KS

DST # 1

Viola

2010.11.02



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shakespeare Oil Co.

Buchman 1-1

202 West Main St
Salem, IL 62881

1-15-9 Wabaunsee, KS

Job Ticket: 040019

DST#: 1

ATTN: Tom Pronhold

Test Start: 2010.11.02 @ 13:56:05

GENERAL INFORMATION:

Formation: Viola

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:58:30

Time Test Ended: 23:46:20

Test Type: Conventional Bottom Hole

Tester: Andy Carreira

Unit No: 31

Interval: 3255.00 ft (KB) To 3280.00 ft (KB) (TVD)

Reference Elevations: 1488.00 ft (KB)

Total Depth: 3280.00 ft (KB) (TVD)

1483.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 5.00 ft

Serial #: 8352

Outside

Press@RunDepth: 961.73 psig @ 3256.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.11.02

End Date: 2010.11.02

Last Calib.: 2010.11.03

Start Time: 13:56:05

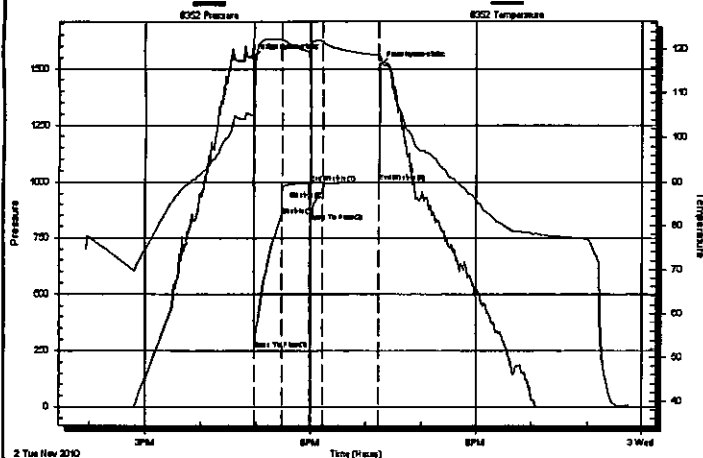
End Time: 23:46:20

Time On Btm: 2010.11.02 @ 16:56:30

Time Off Btm: 2010.11.02 @ 19:15:59

TEST COMMENT: IF: BOB, 1 min
IS: No Return
FF: BOB, 30 sec
FF: No Return

Pressure vs. Time



PRESSURE SUMMARY

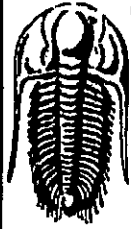
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1550.39	105.02	Initial Hydro-static
2	257.89	108.02	Open To Flow (1)
32	851.67	122.19	Shut-In(1)
62	995.60	119.50	End Shut-In(1)
62	858.62	119.48	Open To Flow (2)
77	961.73	121.87	Shut-In(2)
138	999.17	118.65	End Shut-In(2)
140	1515.81	118.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2120.00	SW sw =100%	14.78

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co.

Buchman 1-1

202 West Main St
Salem, IL 62881

1-15-9 Wabaunsee, KS

Job Ticket: 040019

DST#: 1

ATTN: Tom Pronhold

Test Start: 2010.11.02 @ 13:56:05

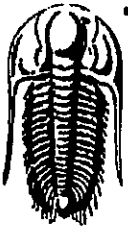
Tool Information

Drill Pipe:	Length: 2883.00 ft	Diameter: 2.76 inches	Volume: 21.33 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 363.78 ft	Diameter: 2.25 inches	Volume: 1.79 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 23.12 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.78 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	3255.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	53.00 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			3228.00	
Shut In Tool	5.00			3233.00	
Hydraulic tool	5.00			3238.00	
Jars	5.00			3243.00	
Safety Joint	3.00			3246.00	
Packer	5.00			3251.00	28.00 Bottom Of Top Packer
Packer	4.00			3255.00	
Stubb	1.00			3256.00	
Recorder	0.00	8017	Inside	3256.00	
Recorder	0.00	8352	Outside	3256.00	
Perforations	21.00			3277.00	
Bullnose	3.00			3280.00	25.00 Bottom Packers & Anchor

Total Tool Length: 53.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co.

Buchman 1-1

202 West Main St
Salem, IL 62881

1-15-9 Wabaunsee,KS

Job Ticket: 040019

DST#: 1

ATTN: Tom Pronhold

Test Start: 2010.11.02 @ 13:56:05

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:

13000 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1300.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2120.00	SW sw =100%	14.785

Total Length: 2120.00 ft

Total Volume: 14.785 bbl

Num Fluid Samples: 0

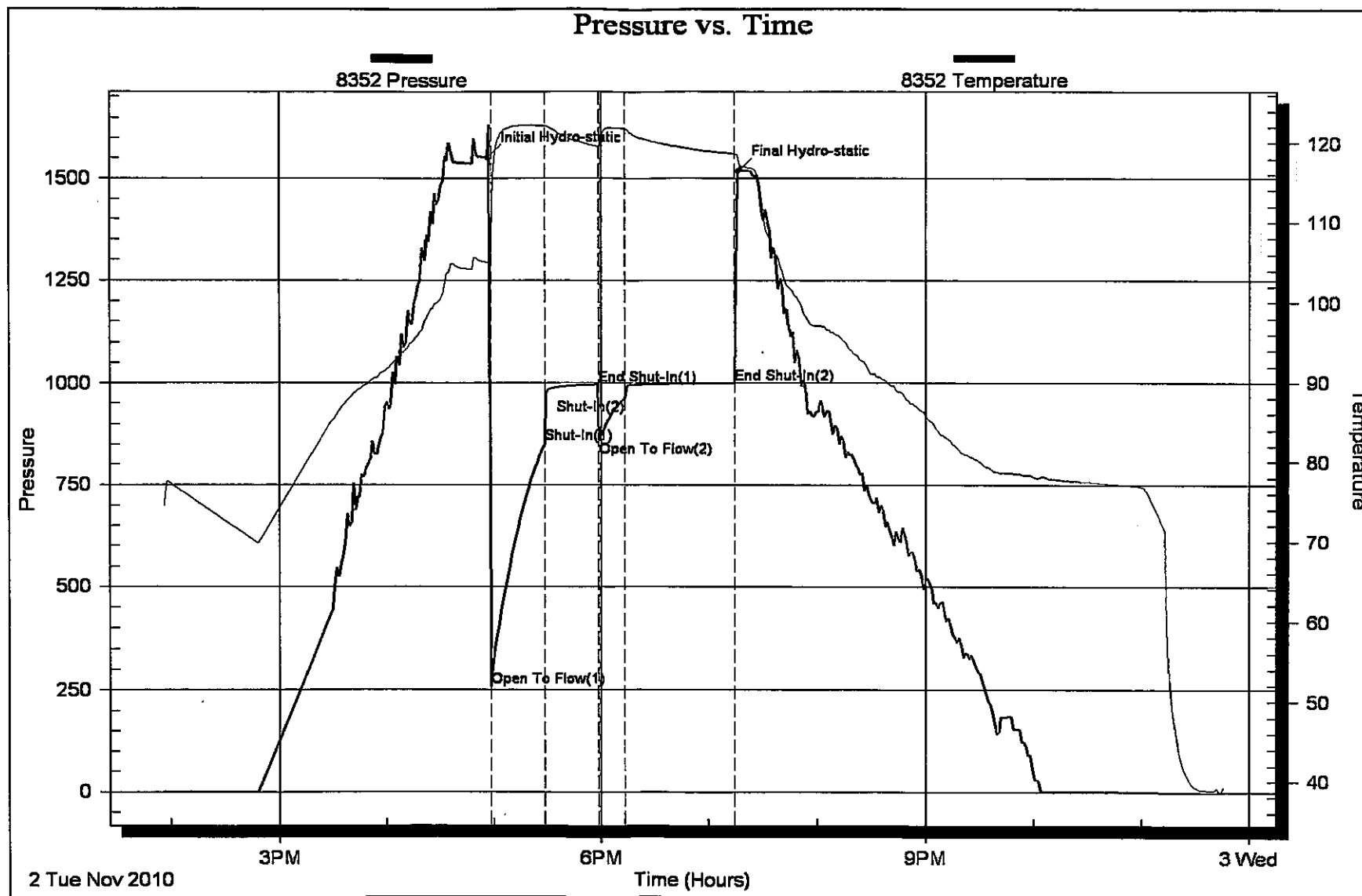
Num Gas Bombs: 0

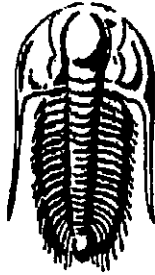
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co.**

202 West Main St
Salem, IL 62881

ATTN: Tom Pronhold

1-15-9 Wabaunsee,KS

Buchman 1-1

Start Date: 2010.11.03 @ 20:18:05

End Date: 2010.11.04 @ 04:12:50

Job Ticket #: 040020 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Shakespeare Oil Co.

Buchman 1-1

1-15-9 Wabaunsee,KS

DST # 2

Simpson

2010.11.03



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shakespeare Oil Co.

Buchman 1-1

202 West Main St
Salem, IL 62881

1-15-9 Wabaunsee, KS

ATTN: Tom Pronhold

Job Ticket: 040020

DST#: 2

Test Start: 2010.11.03 @ 20:18:05

GENERAL INFORMATION:

Formation: **Simpson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:22:00

Time Test Ended: 04:12:50

Test Type: Conventional Bottom Hole

Tester: Andy Carreira

Unit No: 31

Interval: **3360.00 ft (KB) To 3391.00 ft (KB) (TVD)**

Reference Elevations: 1488.00 ft (KB)

Total Depth: 3391.00 ft (KB) (TVD)

1483.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 5.00 ft

Serial #: **8352** Outside

Press@RunDepth: 792.74 psig @ 3361.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.11.03

End Date: 2010.11.04

Last Calib.: 2010.11.04

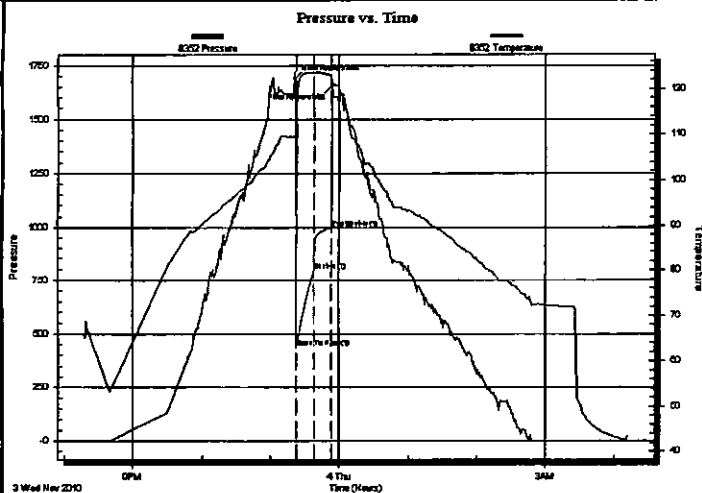
Start Time: 20:18:05

End Time: 04:12:50

Time On Btm: 2010.11.03 @ 23:20:50

Time Off Btm: 2010.11.03 @ 23:53:30

TEST COMMENT: IF: BOB, 30 sec.
IS: No Return
FF: None, Pulled Tool



PRESSURE SUMMARY

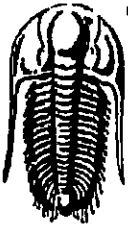
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1686.69	109.88	Initial Hydro-static
2	437.80	112.97	Open To Flow (1)
18	792.74	123.53	Shut-in(1)
32	995.67	122.86	End Shut-in(1)
33	1652.84	122.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1736.00	SW sw =100%	11.94

Gas Rates

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



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TOOL DIAGRAM

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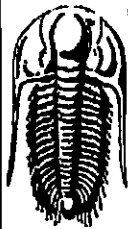
Tool Information

Drill Pipe:	Length: 2990.00 ft	Diameter: 2.76 inches	Volume: 22.13 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 363.78 ft	Diameter: 2.25 inches	Volume: 1.79 bbl	Weight to Pull Loose: 45000.00 lb
			Total Volume: 23.92 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.78 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	3360.00 ft			Final 43000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	31.00 ft			
Tool Length:	59.00 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			3333.00	
Shut In Tool	5.00			3338.00	
Hydraulic tool	5.00			3343.00	
Jars	5.00			3348.00	
Safety Joint	3.00			3351.00	
Packer	5.00			3356.00	28.00 Bottom Of Top Packer
Packer	4.00			3360.00	
Stubb	1.00			3361.00	
Recorder	0.00	8017	Inside	3361.00	
Recorder	0.00	8352	Outside	3361.00	
Perforations	27.00			3388.00	
Bullnose	3.00			3391.00	31.00 Bottom Packers & Anchor

Total Tool Length: 59.00



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FLUID SUMMARY

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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:

18000 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1300.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1736.00	SW sw =100%	11.943

Total Length: 1736.00 ft

Total Volume: 11.943 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

