



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1233985
OIL & GAS CONSERVATION DIVISION

Form ACO-1
August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

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

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1233985

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

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

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

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Commingled <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Herron 1-22
Doc ID	1233985

All Electric Logs Run

Array Induction
Photo Density
Comp Neutron
Microlog
Sonic

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Herron 1-22
Doc ID	1233985

Tops

Name	Top	Datum
Base Anhydrite	2308	+649
Heebner	3852	-895
Lansing	3894	-937
Muncie Creek	4076	-1119
Stark Shale	4176	-1219
Hushpuckney	4224	-1267
Pawnee	4392	-1435
L. Cherokee Shale	4475	-1518
Johnson	4516	-1559
Mississippian	4624	-1667



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shakespeare Oil Company, Inc.

22-17s-33w Scott Co, KS

202 West Street
Salem IL, 62881

Herron #1-22

Job Ticket: 57297

DST#: 1

ATTN: Mac Armstrong

Test Start: 2014.11.11 @ 03:15:00

GENERAL INFORMATION:

Formation: **Lansing 'A,B,C'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:10:30

Time Test Ended: 11:24:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jace McKinney

Unit No: 75

Interval: 3946.00 ft (KB) To 3972.00 ft (KB) (TVD)

Reference Elevations: 2957.00 ft (KB)

Total Depth: 3972.00 ft (KB) (TVD)

2945.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 12.00 ft

Serial #: 8675

Inside

Press@RunDepth: 730.76 psig @ 3953.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.11.11

End Date:

2014.11.11

Last Calib.:

2014.11.11

Start Time: 03:15:15

End Time:

11:24:00

Time On Btm:

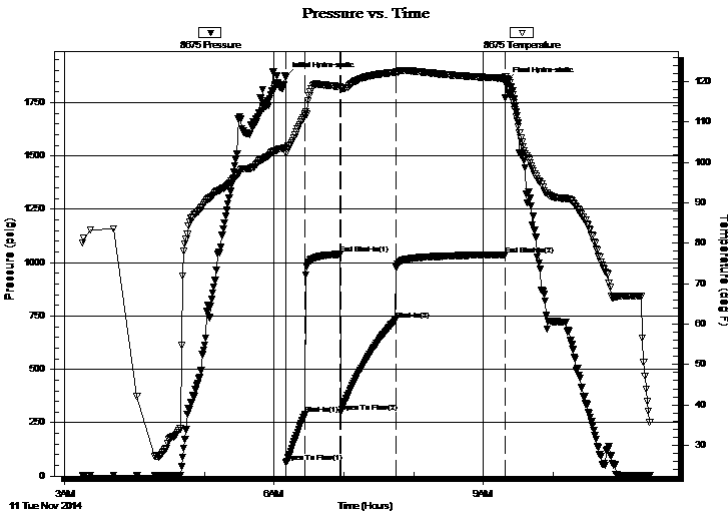
2014.11.11 @ 06:10:15

Time Off Btm:

2014.11.11 @ 09:20:00

TEST COMMENT: B.O.B. in 2 1/2 min.
Bled off for 5 min, No return blow
B.O.B. in 3 min.
Bled off for 5 min, No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1869.52	103.61	Initial Hydro-static
1	65.05	102.31	Open To Flow (1)
17	289.94	111.93	Shut-In(1)
47	1039.29	118.72	End Shut-In(1)
47	300.78	118.45	Open To Flow (2)
95	730.76	122.26	Shut-In(2)
189	1037.62	120.82	End Shut-In(2)
190	1847.62	120.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
191.00	w cm 20%W 80%M	2.68
315.00	w cm 50%W 50%M	4.42
189.00	mcw 20%M 80%W	2.65
1070.00	100%W	15.01

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Company, Inc.

22-17s-33w Scott Co, KS

202 West Street
Salem IL, 62881

Herron #1-22

Job Ticket: 57297

DST#: 1

ATTN: Mac Armstrong

Test Start: 2014.11.11 @ 03:15:00

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:

34000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
191.00	w cm 20%W 80%M	2.679
315.00	w cm 50%W 50%M	4.419
189.00	mcw 20%M 80%W	2.651
1070.00	100%W	15.009

Total Length: 1765.00 ft Total Volume: 24.758 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

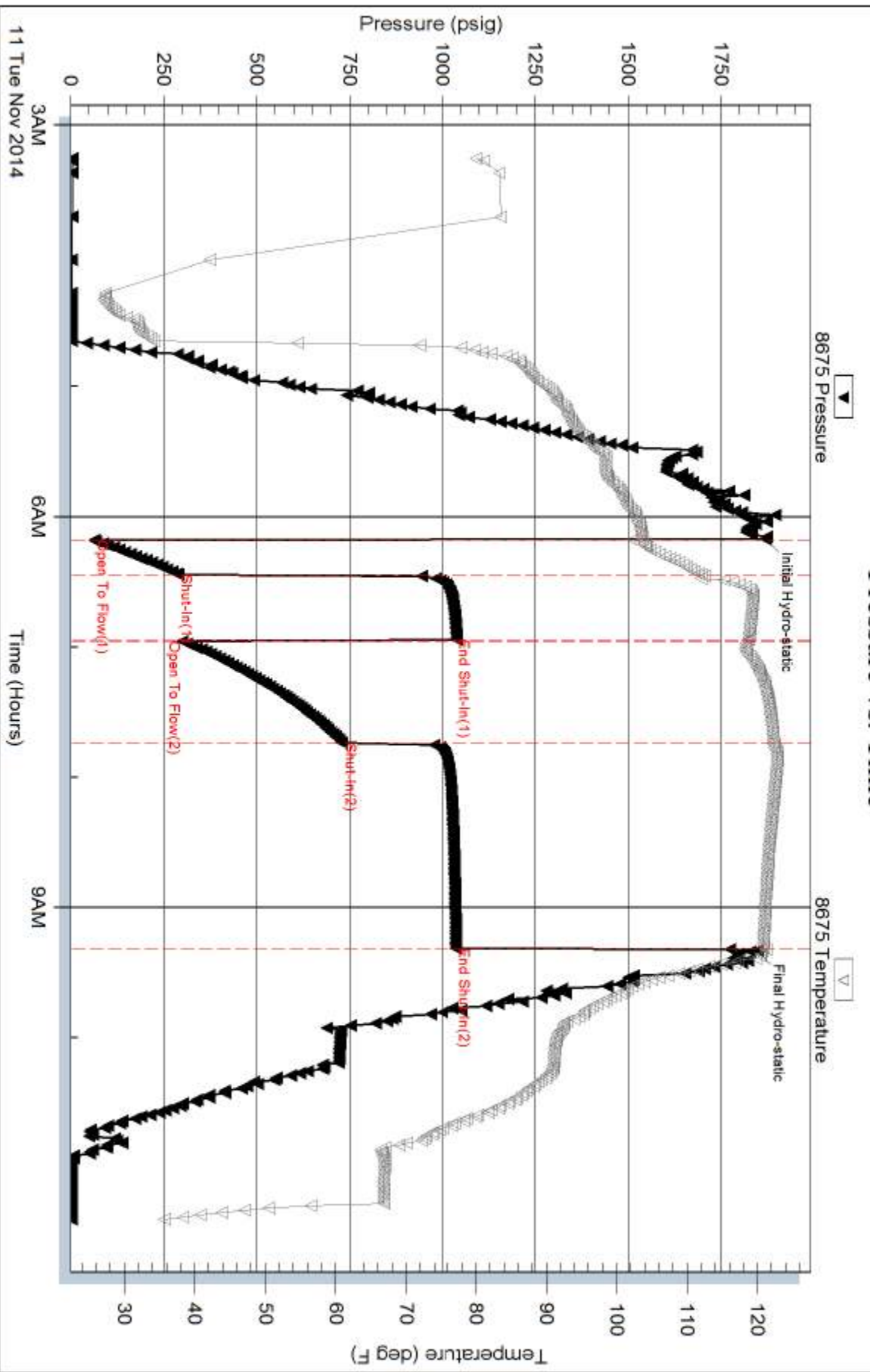
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .60 @ 20 F

Pressure vs. Time





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shakespeare Oil Company, Inc.

22-17s-33w Scott Co, KS

202 West Street
Salem IL, 62881

Herron #1-22

Job Ticket: 57298

DST#: 2

ATTN: Mac Armstrong

Test Start: 2014.11.12 @ 16:25:00

GENERAL INFORMATION:

Formation: **LKC 'J&K'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:50:30

Time Test Ended: 00:48:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 75

Interval: 4178.00 ft (KB) To 4230.00 ft (KB) (TVD)

Reference Elevations: 2957.00 ft (KB)

Total Depth: 4230.00 ft (KB) (TVD)

2945.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 12.00 ft

Serial #: 8675

Inside

Press@RunDepth: 240.46 psig @ 4191.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.11.12

End Date:

2014.11.13

Last Calib.:

2014.11.12

Start Time: 16:25:15

End Time:

00:48:30

Time On Btm:

2014.11.12 @ 18:50:15

Time Off Btm:

2014.11.12 @ 22:21:45

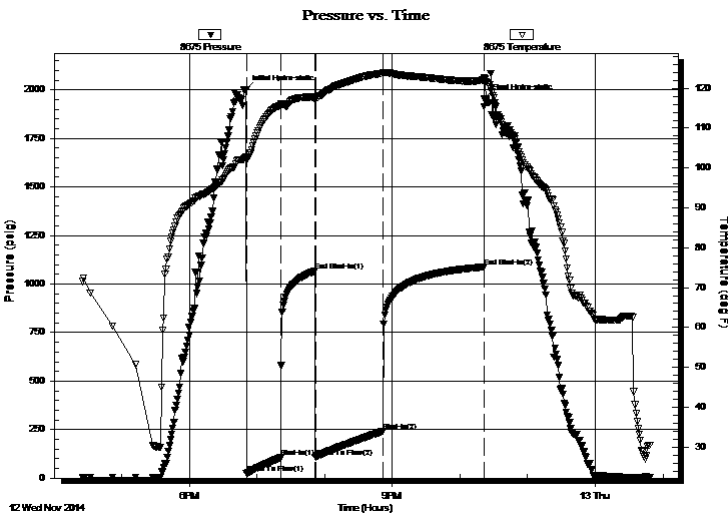
TEST COMMENT: B.O.B. in 15 min.

Bled off for 5 min, No return blow

B.O.B. in 22 min.

Bled off for 5 min, No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2000.76	102.82	Initial Hydro-static
1	24.78	101.98	Open To Flow (1)
31	105.76	115.81	Shut-In(1)
62	1066.74	117.84	End Shut-In(1)
62	107.24	117.19	Open To Flow (2)
122	240.46	123.78	Shut-In(2)
211	1087.14	122.07	End Shut-In(2)
212	1953.65	122.48	Final Hydro-static

Recovery

Gas Rates

Length (ft)	Description	Volume (bbl)
199.00	mcw 30%M 70%O	2.79
252.00	100% Water	3.53

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Company, Inc.

22-17s-33w Scott Co, KS

202 West Street
Salem IL, 62881

Herron #1-22

Job Ticket: 57298

DST#: 2

ATTN: Mac Armstrong

Test Start: 2014.11.12 @ 16:25:00

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:

38000 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
199.00	mcw 30%M 70%O	2.791
252.00	100% Water	3.535

Total Length: 451.00 ft Total Volume: 6.326 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

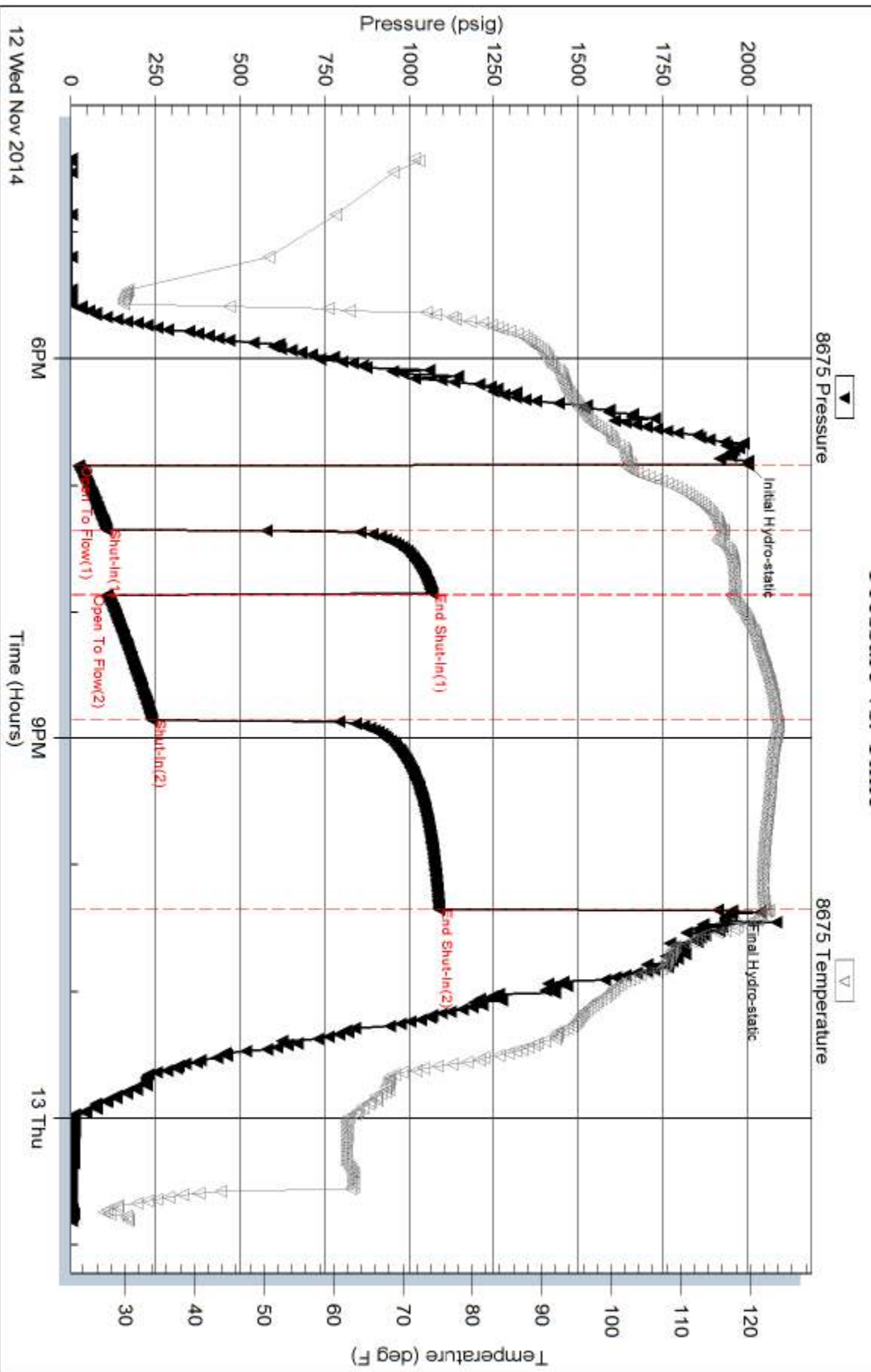
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .60 @ 10 F = 38,000

Pressure vs. Time





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Company, Inc.

22-17s-33w Scott Co, KS

202 West Street
Salem IL, 62881

Herron #1-22

Job Ticket: 57299

DST#: 3

ATTN: Mac Armstrong

Test Start: 2014.11.14 @ 21:50:00

GENERAL INFORMATION:

Formation: **Lower Johnson & Morr**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:38:45

Time Test Ended: 06:52:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 75

Interval: **4556.00 ft (KB) To 4624.00 ft (KB) (TVD)**

Reference Elevations: 2957.00 ft (KB)

Total Depth: 4624.00 ft (KB) (TVD)

2945.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 12.00 ft

Serial #: 8675

Inside

Press @ Run Depth: 45.49 psig @ 4584.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.11.14

End Date:

2014.11.15

Last Calib.:

2014.11.15

Start Time: 21:50:15

End Time:

06:52:00

Time On Btm:

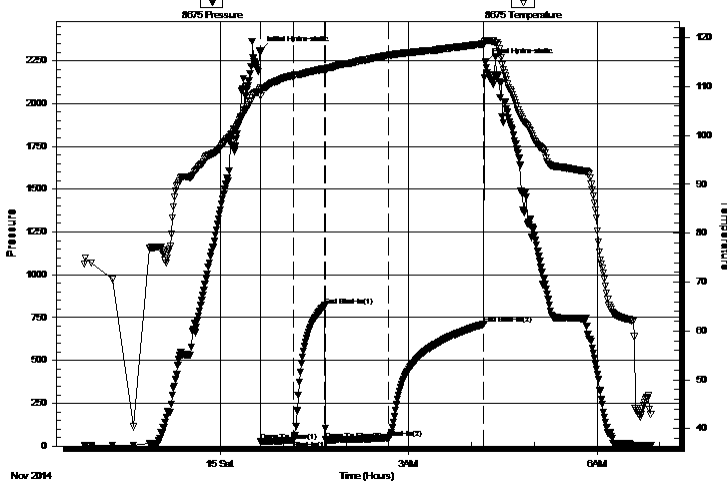
2014.11.15 @ 00:38:30

Time Off Btm:

2014.11.15 @ 04:13:15

TEST COMMENT: Built to 3 1/2" blow
Bled off for 3 min, No return blow
Built to 1 1/2" blow
Bled off for 3 min, No return blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2306.48	109.68	Initial Hydro-static
1	25.99	108.09	Open To Flow (1)
32	34.17	112.19	Shut-In(1)
62	820.72	113.61	End Shut-In(1)
62	36.10	113.35	Open To Flow (2)
123	45.49	116.37	Shut-In(2)
214	712.06	118.72	End Shut-In(2)
215	2240.79	119.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	100% Mud with oil spots in tool	0.63

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Company, Inc.

22-17s-33w Scott Co, KS

202 West Street
Salem IL, 62881

Herron #1-22

Job Ticket: 57299

DST#: 3

ATTN: Mac Armstrong

Test Start: 2014.11.14 @ 21:50:00

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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	100% Mud with oil spots in tool	0.631

Total Length: 45.00 ft Total Volume: 0.631 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

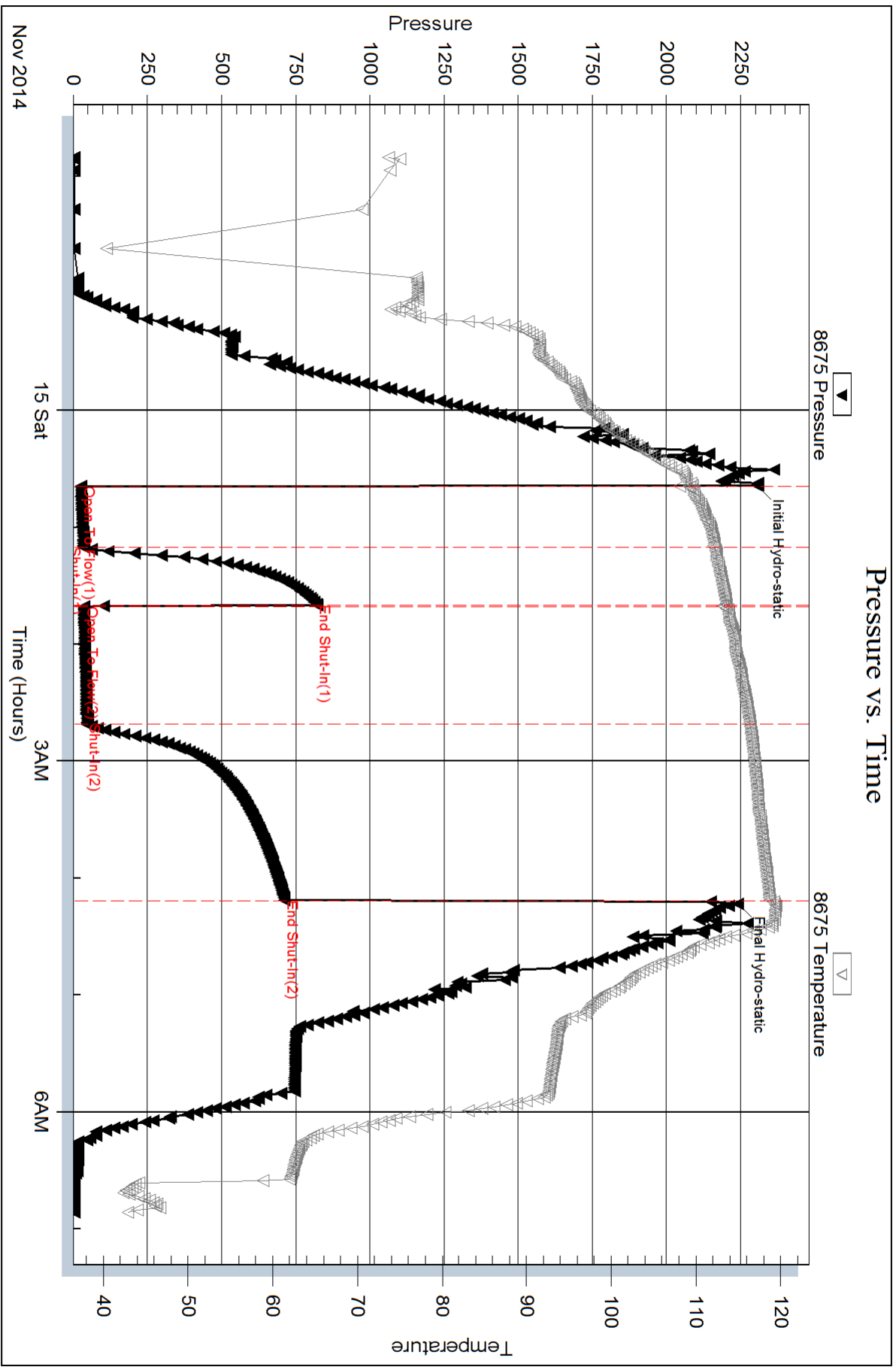
Serial #: 8675

Inside

Shakespeare Oil Company, Inc.

Herron #1-22

DST Test Number: 3

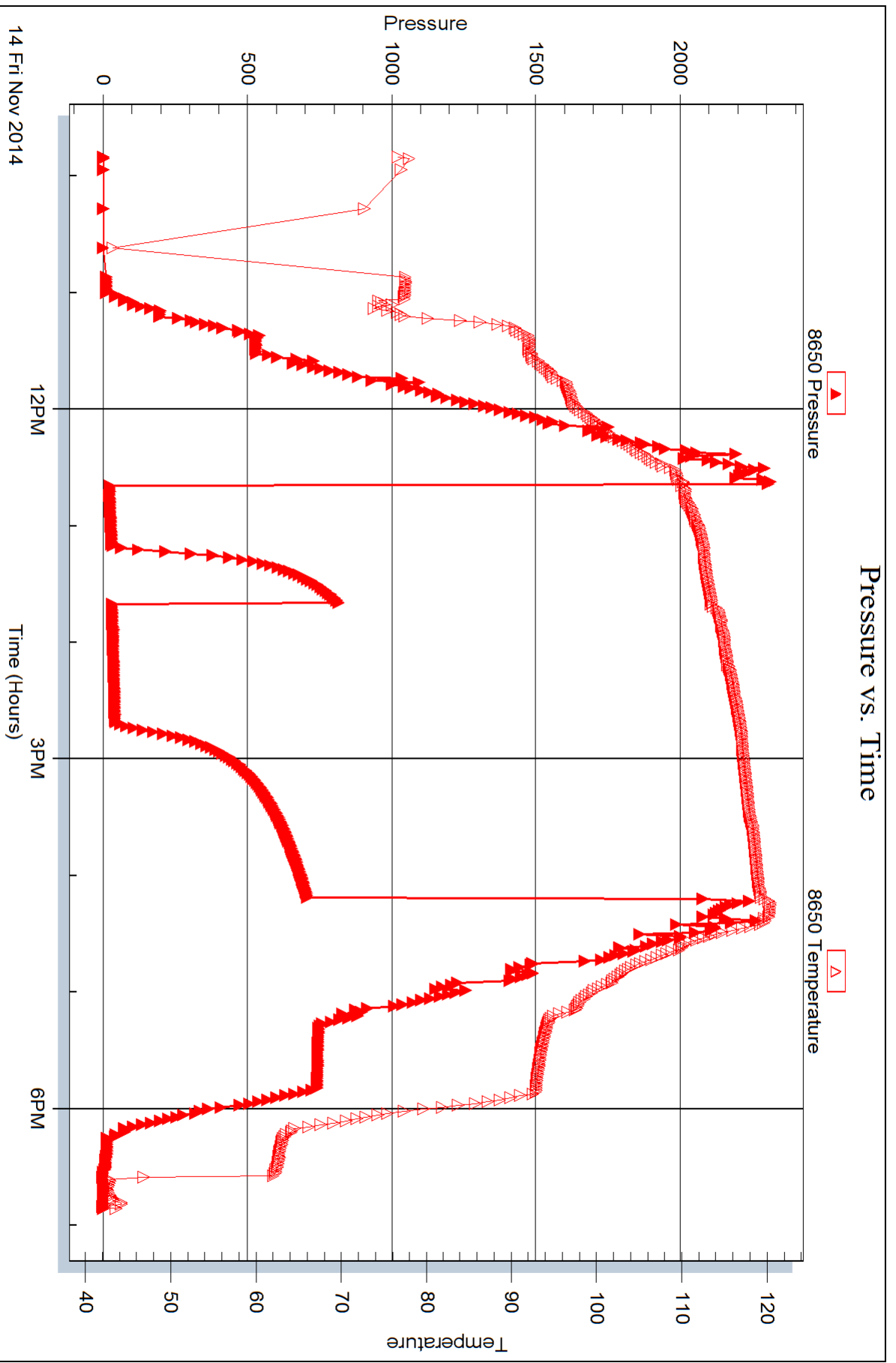


Serial #: 8650

Outside Shakespeare Oil Company, Inc.

Herron #1-22

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 57299

Printed: 2014.11.15 @ 08:56:04

**Shakespeare Oil Company, Inc.
Herron No.1-22
733' FNL and 1099' FWL
NE SE NW NW
Sec 22 T17S R33W
Scott County, Kansas**

Geological Report
by

Macklin M. Armstrong, P.G.
License Number 743

Scale 1:240 Imperial

Well Name:	Herron No. 1-22	
Surface Location:	Sec 22 T17S R33W	
Bottom Location:	733' FNL and 1099' FWL	
API:	15-171-21105	
License Number:	7311	
Spud Date:	11/5/2014	Time: 6:00 PM
Region:	Scott County, Kansas	
Drilling Completed:	11/15/2014	Time: 11:48 PM
Surface Coordinates:		
Bottom Hole Coordinates:		
Ground Elevation:	2945.00ft	
K.B. Elevation:	2957.00ft	
Logged Interval:	3800.00ft	To: 4723.00ft
Total Depth:	4720.00ft	
Formation:	Mississippi	
Drilling Fluid Type:	Chemical/Fresh Water Gel	

OPERATOR

Company:	Shakespeare Oil Company, Inc.	
Address:	202 West Main Street Salem, Illinois 62881	
Contact Geologist:	Don Williams	
Contact Phone Nbr:	618-548-1585	
Well Name:	Herron No. 1-22	
Location:	Sec 22 T17S R33W	API: 15-171-21105
Pool:	Oil	Field: Rudolph
State:	Kansas	Country: USA

CONTRACTOR

Contractor: Southwind Drilling, Inc.
 Rig #: 70
 Rig Type: mud rotary
 Spud Date: 11/5/2014
 TD Date: 11/15/2014
 Rig Release: 11/16/2014

Time: 6:00 PM
 Time: 11:48 PM
 Time: 7:00 PM

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude: 100.958967903
 N/S Co-ord:
 E/W Co-ord:

Latitude: 38.567242193

ELEVATIONS

K.B. Elevation: 2957.00ft
 K.B. to Ground: 12.00ft

Ground Elevation: 2945.00ft

NOTES

Date	Depth at 7 am	Activity
11-05-14	MIRU	Spud at 6 pm
11-06-14	268	WOC
11-07-14	1622	Drilling
11-08-14	2713	Drilling
11-09-14	3326	Drilling
11-10-14	3735	Drilling
11-11-14	3972	OB with DST No. 1
11-12-14	4164	CFS
11-13-14	4255	Drilling
11-14-14	4520	Drilling
11-15-14	4624	TOH after DST No. 3
11-16-14	4720	Logging
11-17-14	4720	P & A

Surface Casing: 8 5/8" 23# at 268'
 Production Casing: None set

Deviation: 268' - 3/4°
 3972' - 1 1/2°
 4720' - 1 1/4°

Bit Record:	Make	Size	Type	Depth In	Depth Out	Hours
	Reed	12 1/4"	RR	Surface	268	2
	Reed	7 7/8"	S52P	268	4720	135 3/4

Drill Stem Tests:

DST No. 1 3926 to 3972 Lansing B, C, D Zones
 15-30-45-90

Recovery: 191' WCM (20%W, 80%M)
 315' WCM (50%W, 50%M)
 189' MCW (20%M, 80%W)
 1070' Water (Chl 25,000 ppm)

IHP 1870 FHP 1848
 IFP 65-290 FFP 301-731
 ISIP 1039 FSIP 1038
 Temp 121°

DST No. 2 4178 to 4230 Lansing K Zone
 30-30-60-90

Recovery: 199' MCW (30%M, 70%W)
 252' Water (Chl 38,000 ppm)

IHP 2001 FHP 1954

IFP 25-106 FFP 107-240
 ISIP 1067 FSIP 1087
 Temp 122°

DST No. 3 4556 to 4624 Lower Johnson Zone and Morrow Sand
 30-30-60-90

Recovery: 45' Mud with oil spots in tool

IHP 2306 FHP 2241
 IFP 26-34 FFP 36-45
 ISIP 821 FSIP 712
 Temp 119°

Formation	Sample	E-Log	Datum	Well 1	Well 2	Well 3
Anhydrite	2292	2290	+667	-7		+10
Base/Anhydrite	2309	2309	+648	-10		+13
Heebner	3849	3850	-893	-3	+51	+18
Toronto	3870	3873	-916	-8	+49	+14
Lansing	3891	3894	-937	-5	+56	+16
Muncie Creek	4075	4076	-1119	-8	+49	+14
Stark	4174	4176	-1219	-7	+51	+10
Hushpuckney	4221	4224	-1267	-8	+55	+8
Base/Kansas City	4287	4289	-1332	-11	+62	+13
Marmaton	4322	4322	-1365	-17	+63	+11
Pawnee	4400	4402	-1445	-6	+67	+12
Myrick Station	4424	4426	-1469	-8	+67	+11
Fort Scott	4442	4445	-1488	-9	+67	+11
Cherokee Shale	4470	4472	-1515	-10	+67	+10
Johnson Zone	4514	4516	-1559	-10	+67	+10
Morrow	4585	4586	-1629	-24	+73	+6
Mississippi	4622	4625	-1668	-11	+84	-9
Total Depth	4720	4723	-1766			

Well 1: New Gulf Operating, LLC Muench No. 1-16 NE NE SW SE Sec 16 T17S R33W

Well 2: Peel-Hardman Herron No. 1 C SW NE Sec 21 T17S R33W

Well 3: Shakespeare Oil Company, Inc. Rudolph No. 1-22 1450' FSL and 1350' FEL Sec 22 T17S R33W

Respectfully submitted,
 Macklin M. Armstrong

ROCK TYPES

 Lmst fw7>	 shale, gry	 shale, red
 shale, grn	 Carbon Sh	 Ss

ACCESSORIES

MINERAL

- ▲ Chert, dark
- P Pyrite
- Sandy
- Silty
- △ Chert White

FOSSIL








- ⊙ Crinoids
- F Fossils < 20%
- ⊕ Oolite
- ⚙ Oomoldic

TEXTURE

- C Chalky

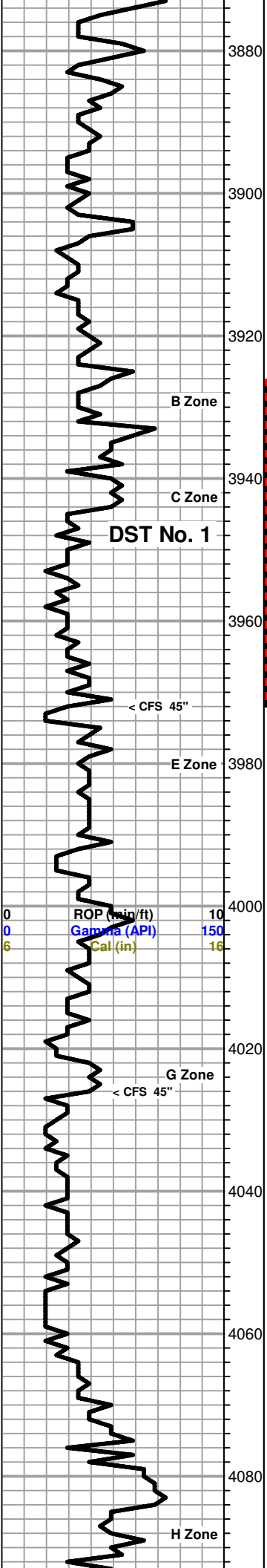
OTHER SYMBOLS

MISC

-  Daily Report
-  Digital Photo
-  Document
-  Folder
-  Link
-  Vertical Log File
-  Horizontal Log File
- Core Log File

DST

-  DST Int
-  DST alt
-  Core



Ls-tan/crm fxln mhd dns no por sm Cht-wt fsh opa
 Ls-tan/crm fxln dns no por sm Cht-crm fsh opa
 Ls-crm/tan fxln mhd sl fos no por sm Cht-AA
 Sh-gry/dk gry
 ----- **Lansing 3891 -934** -----
 Ls-crm/tan fxln mhd fos sl oom no por sm Cht-wt fsh opa sl fos
 Ls-crm/tan fxln mhd/dns no por sm Cht-AA
 Ls-crm/tan fxln dns no por
 Ls-crm/tan/lt gry fxln mhd no por
 Ls-tan/crm/lt gry f/mxln mhd/dns sl fos no por
 Sh-gry/dk gry
 Ls-tan/crm/lt gry f/mxln mhd/dns sl fos no por
 Sh-gry/dk gry
 Ls-tan/lt gry/gry f/mxln mhd/dns sl fos no por sm Ls-tan mxln mhd fos brn spt
 stn fr cut vssfo on brk
 Ls-tan/crm fxln dns no por
 Ls-AA
 Sh-gry/dk gry
 Ls-tan/crm fxln mhd/dns no por sm Ls-tan f/mxln mhd fr vug/xln
 por brn spt stn gd cut fgso on brk sl odor
 Ls-AA
 Ls-crm/tan/lt gry fxln mhd sl fos no por sm Ls-tan fxln mhd fr inter
 xln por brn spt stn sl cut ssfo on brk
 Ls-AA
 Ls-AA
 Ls-AA
 Ls-lt gry/crm fxln mhd/dns sl fos no por
 Sh-gry/dk gry
 Ls-lt gry/crm fxln mhd/dns sl fos no por
 Sh-gry/dk gry
 Ls-crm/tan fxln dns no por
 Ls-gry/tan/brn f/mxln mhd/dns fos sl oom no por
 Ls-gry/tan f/mxln dns sl fos no por
 Ls-gry/tan m/cxln mhd fos sl oom no por
 Ls-AA sm Cht-wt fsh opa
 Ls-crm/lt tan fxln mhd clkly no por sm Cht-wt/crm fsh opa
 Sh-gry/dk gry
 Ls-crm/tan fxln dns sl clkly no por
 Ls-gry/brn fxln mhd fos no por sm Ls-tan fxln mhd sl clkly no por
 Ls-crm/lt tan fxln mhd sl clkly no por sm pcs with dead oil stn
 Ls-AA
 Ls-crm/lt tan fxln mhd sl clkly no por sm Cht-wt fsh opa
 Ls-crm/lt gry fxln mhd sl clkly no por sm Cht-AA
 Ls-AA sm Cht-wt fsh opa
 Ls-crm/lt gry fxln mhd/dns sl clkly no por sm Cht-AA
 Ls-crm/lt tan fxln dns no por sm Cht-wt fsh opa
 ----- **Muncie Creek 4075 -1118** -----
 Sh-blk carb
 Ls-crm/lt tan fxln dns no por
 Sh-gry/dk gry
 Ls-crm/lt tan fxln dns no por sm Ls-lt gry fxln mhd sl clkly
 with blk ool no por

DST No. 1
 3926 to 3972
 15-30-45-90
 1st Open: BOB in 2.5"
 2nd Open: BOB in 3"
 Recovery:
 191' WCM (20%W, 80%M)
 315' WCM (50%W, 50%M)
 189' MCW (20%M, 80%W)
 1070' W (Chl 25,000 ppm)
 IHP 1870 FHP 1848
 IFP 65-290 FFP 301-731
 ISIP 1039 FSIP 1038
 Temp 121°

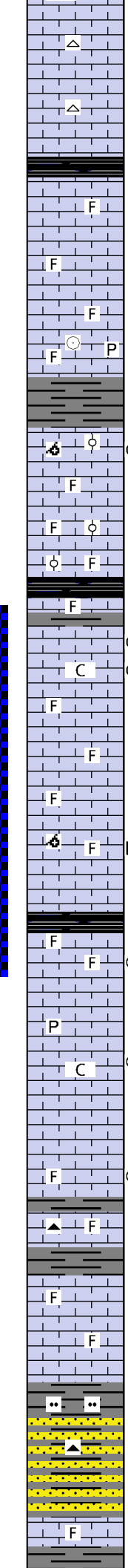
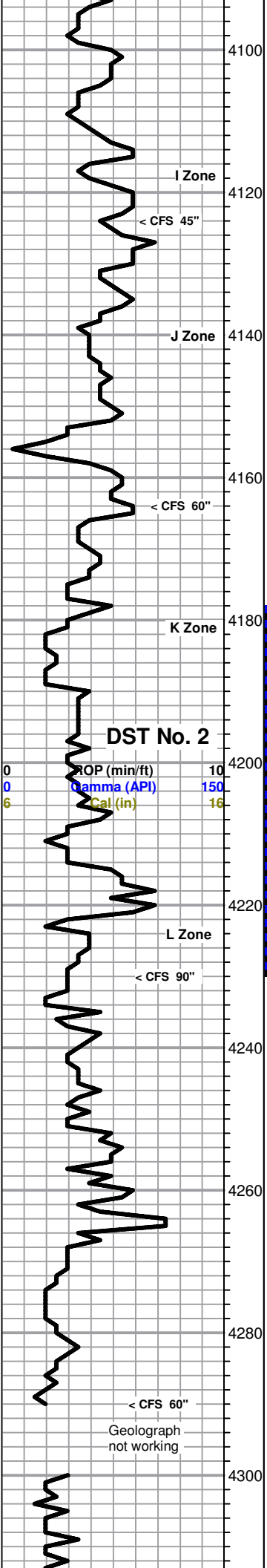
Pulled 20 stand short trip at
 3972', then cir for test 90"

Mud Data at 3972'
 6:00 am 11-11-14
 Wt 8.9 Vis 51 WL 8.0
 pH 10 Chl 3200 Sol 4%
 YP 18 LCM 2#

0 ROP (min/ft) 10
 0 Gamma (API) 150
 6 Cal (in) 16

G Zone
 < CFS 45"

H Zone

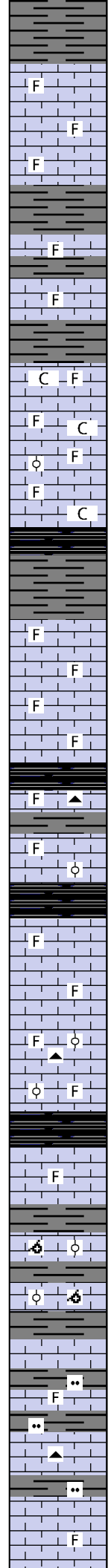
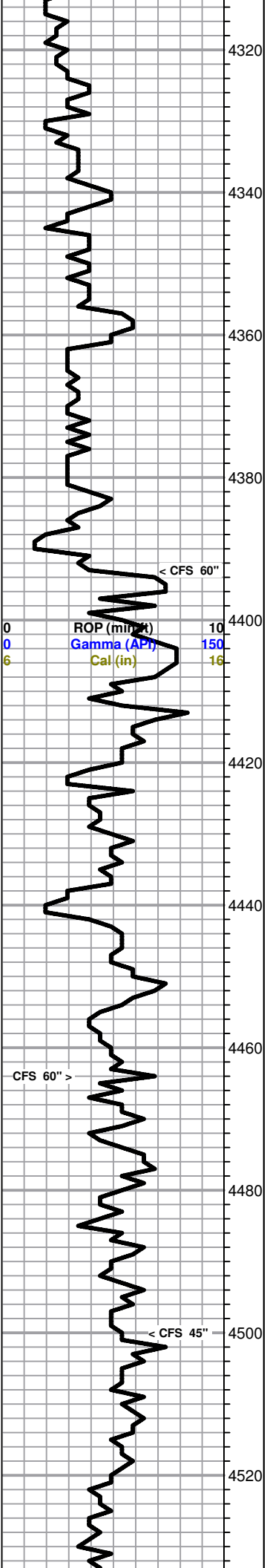


Ls-crm/lt gry fxln mhd/dns no por
 Ls-crm/lt gry fxln dns no por sm Cht-wt fsh opa
 Ls-crm/tan fxln mhd no por sm Cht-AA
 Ls-tan fxln mdh/dns no por sm Ls-brn fxln dns no por
 Sh-blk carb
 Ls-tan fxln dns no por sm Ls-gry/brn fxln mhd/dns fos no por
 Ls-tan/lt gry fxln mhd/dns no por
 Ls-lt gry/tan f/mxln mhd/dns sl fos no por
 Ls-tan/lt gry f/mxln dns sl fos no por
 Ls-tan fxln dns sl fos no por sm Pyrite and free Crin
 Sh-gry/dk gry
 Ls-tan/lt gry mhd fos oom and ool gd ooc por nsfo and sm Ls-tan (5 pcs) fxln mhd sl fos fr vug por sl cut ssfo on brk no odor
 Ls-tan/gry/brn fxln mhd/dns sl fos no por
 Ls-tan/lt gry fxln mhd/dns fos sl ool no por
 Ls-tan/lt gry fxln dns sl fos sl ool no por
 ----- Stark 4174 -1217 -----
 Ls-tan/lt gry fxln dns sl fos no por
 Sh-gry/dk gry
 Ls-tan/lt gry fxln mhd pr inter xln por dk brn spt stn sl cut ssfo on brk
 Ls-tan fxln mhd sl clkly fr vug por dk brn spt stn sl cut fsfo on brk faint odor
 Ls-tan/lt gry fxln dns fos no por
 Ls-AA
 Ls-tan/gry fxln dns sl fos no por
 Ls-AA
 Ls-tan/lt gry mxln mhd fos sl oom no por sm Ls-tan (5 pcs) fxln mhd sl gils pr inter xln por blk dead oil stn nsfo no odor
 Ls-tan/lt gry fxln dns no por
 ----- Hushpuckney 4221 -1264 -----
 Ls-tan/lt gry fxln mhd sl fos no por sm Ls-lt gry (2 pcs) fxln mhd fr vug por dk brn spt stn sl cut vssfo on brk no odor
 Ls-lt gry/crm fxln mhd sm pcs sl gils no por
 Ls-AA sm Pyrite
 Ls-lt gry/crm/tan fxln mhd sl clkly sm pcs sl gils with vssfo on brk no odor
 Ls-tan/lt gry fxln mhd no por
 Ls-AA
 Ls-lt gry/tan f/mxln mhd fos no por sm Ls-lt gry (5 pcs) fxln mhd fr vug por dk brn to blk dead oil spt stn sl cut vssfo on brk no odor
 Sh-gry/dk gry
 Ls-lt gry/tan f/mxln dns sl fos no por sm Cht-gry fsh opa sl fos
 Sh-gry/dk gry
 Ls-tan/lt gry fxln mhd sl fos no por
 Ls-AA
 Ls-tan/lt gry f/mxln mhd/dns with blk and dk gry irregular shapped fos no por
 ----- Base/Kansas City 4287 -1330 -----
 Sh-gry/dk gry slty
 Sh-AA with Siltstone-lt gry/gry and sm Cht-gry/brn fsh opa
 Sh-gry/dk gry slty with Siltstone-lt gry
 Ls-tan/lt gry f/mxln mhd sl fos no por
 Sh-gry/dk gry

Mud Data at 4146'
 4:30 am 11-12-14
 Wt 9.1 Vis 46 WL 8.0
 pH 10 Chl 5200 Sol 5.2%
 YP 15 LCM 2#

DST No. 2
 4178 to 4230
 30-30-60-90
 1st Open: BOB in 15"
 2nd Open: BOB in 22"
 Recovery:
 199' MCW (30%M, 70%W)
 252' W (Chl 38,000 ppm)
 IHP 2001 FHP 1954
 IFP 25-106 FFP 107-240
 ISIP 1067 FSIP 1087
 Temp 122°

Mud Data at 4230'
 3:20 am 11-13-14
 Wt 9.1 Vis 45 WL 8.8
 pH 9.5 Chl 6400 Sol 5.2%
 YP 14 LCM 3#



Sh-gry/dk gry

----- **Marmaton 4322 -1365** -----

Ls-tan/lt gry f/mxln dns sl fos no por

Ls-tan/lt gry f/mxln mhd/dns sl fos no por

Ls-AA

Sh-gry/dk gry

Ls-tan/brn f/mxln to sl frag dns fos no por

Sh-gry/dk gry

Ls-tan/gry/brn f/mxln mhd/dns sl fos no por

Sh-gry/dk gry

Ls-lt gry/tan fxln mhd sl clkly no por and Ls-gry/brn f/mxln mhd fos sm pcs sl gils no por

Ls-lt gry/tan fxln mhd sl fos sl clkly no por

Ls-AA sm Ls-tan fxln mhd fos with blk ool no por

Ls-tan fxln dns fos no por

Ls-lt gry/gry cxln to frag mhd fos no por sm Ls-tan fxln mhd sl clkly no por

Sh-blk carb

Sh-grydk gry

----- **Pawnee 4400 -1443** -----

Ls-tan fxln mhd sl fos no por

Ls-tan fxln dns no por sm Ls-dk gry mxln dns fos no por

Ls-tan/lt gry fxln mhd sl fos no por

Ls-tan/lt gry fxln dns no por sm Ls-gry/brn f/mxln mhd fos no por

----- **Myrick Station 4424 -1467** -----

Ls-tan/gry mxln dns sl fos no por sm Cht-gry fsh opa q sl fos

Sh-gry/dk gry

Ls-lt gry/gry f/mxln dns fos ool no por

Sh-blk carb

----- **Fort Scott 4442 -1485** -----

Ls-lt gry/tan fxln dns no por sm Ls-gry/brn cxln dns fos no por

Ls-lt gry/tan fxln dns no por sm Ls-tan f/mxln dns sl fos no por

Ls-crm/tan fxln dns no por sm Ls-tan fxln dns fos ool no por sm Cht-gry fsh opa q fos

Ls-AA

----- **Cherokee Shale 4470 -1513** -----

Sh-blk carb

Ls-tan/lt gry fxln dns no por sm Ls-gry/brn fxln dns fos no por

Sh-gry/dk gry

Ls-tan/gry f/mxln dns fos sl oom and ool no por

Sh-gry/dk gry

Ls-tan/gry fxln dns sm Ls-tan fxln mhd fos sl ool and oom no por

Sh-gry/dk gry

Ls-lt gry fxln dns no por

Sh-gry/dk gry slty

Ls-tan/lt gry fxln dns sl fos no por

----- **Johnson Zone 4514 -1557** -----

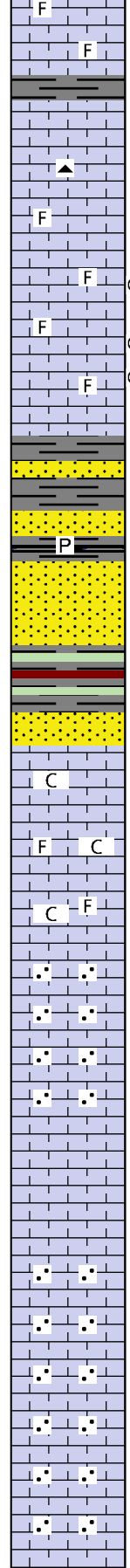
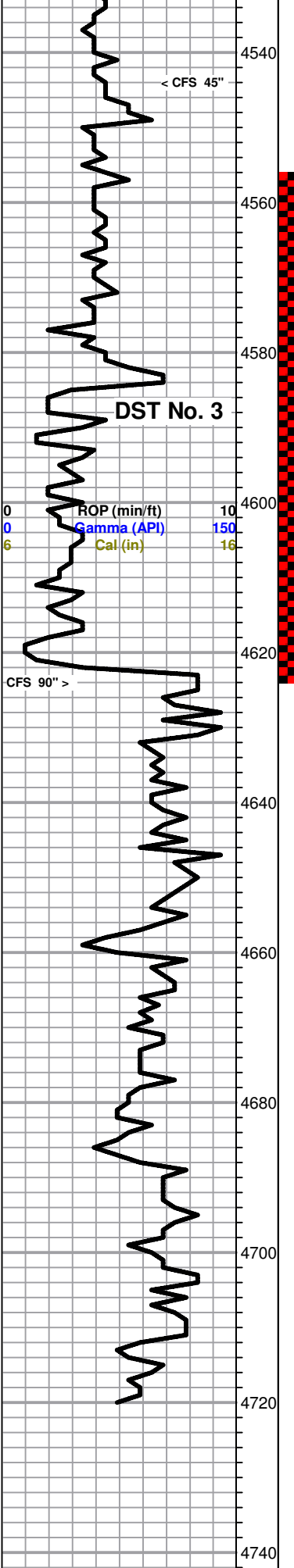
Ls-gry/brn fxln dns no por sm Cht-gry/brn fsh opa q

Sh-gry/dk gry slty

Ls-gry/brn fxln dns no por

Ls-AA sm Ls-tan fxln dns sl fos no por

Mud Data at 4500'
 4:45 am 11-14-14
 Wt 9.1 Vis 55 WL 8.8
 pH 10 Chl 6000 Sol 5.2%
 YP 20 LCM 2#



Ls-lt gry/gry fxln dns sl fos no por

Ls-AA

Sh-gry/dk gry

Ls-gry/brn fxln dns no por

Ls-gry/brn/tan fxln mhd/dns no por sm Cht-gry fsh opa

Ls-lt gry/gry/brn fxln dns no por sm Ls-lt gry fxln dns sl fos no por

Ls-AA

Ls-gry fxln dns no por sm Ls-lt gry fxln mhd fos with blk irregular shapped fos no por and sm Ls-lt gry (5 pcs) fxln mhd pr inter xln por brn spt to sat stn vssfo on brk faint odor

Ls-AA few pcs with vssfo

Ls-AA few pcs with vssfo

Ls-lt gry/gry fxln mhd/dns no por

----- **Morrow 4585 -1628** -----

Ss-lt gry fgrr ang to sub ang tite cement

Sh-gry/dk gry

Ss-lt gry/gry fgrr ang to sub ang tite cement

Sh-gry/dk gry/blk sm Pyrite

Ss-lt gry/gry fgrr sub rnd to sub ang tite cement to sl fri

Ss-lt gry/wt fgrr sub rnd to sub ang tite cement to sl fri sl gils

Sh-gry/dk gry/dk grn sm mar

Ss-wt/lt gry fgrr sub rnd fri

----- **Mississippi 4622 -1665** -----

Ls-crm/tan fxln dns sl clkly no por

Ls-AA

Ls-tan/lt gry fxln mhd/dns sl fos sl clkly no por

Ls-AA

Ls-wt/crm fgrr mhd/dns no por

Ls-wt/crm fxln to fgrr mhd/dns no por

Ls-wt/lt gry fgrr mhd no por

Ls-lt gry fxln to fgrr mhd/dns no por

Ls-lt gry f/mxln mhd/dns no por

Ls-lt gry/tan f/mxln mhd/dns no por

Ls-lt gry/crm fxln to sl gran mhd no por

Ls-lt gry/crm fxln to sl gran dns no por

Ls-lt gry/crm fxln to sl gran mhd/dns no por

Ls-lt gry/crm fxln to gran dns no por

Ls-AA

Ls-lt gry/crm fxln to gran mhd/dns no por

----- **RTD 4720 -1763** -----

DST No. 3
 4556 to 4624
 30-30-60-90
 1st Open: Weak blob, building to 3.5"
 2nd Open: Weak blow, building to 1.5"
 Recovery:
 45' Mud with oil spots in tool
 IHP 2306 FHP 2241
 IFP 26-34 FFP 36-45
 ISIP 821 FSIP 712
 Temp 119°

Pulled 20 stand short trip at 4624', then cir for test 60"

Mud Data at 4624'
 6:00 am 11-15-14
 Wt 9.3 Vis 53 WL 9.6
 pH 9.5 Chl 6500 Sol 6.8%
 YP 20 LCM 2#

Finished drilling at 11:48 pm on 11-15-14. Circulated for log 60 minutes.

Finished logging at 7:20 am on 11-16-14

- Shakespeare Herron 1-22 dst 1-1.jpg
- Shakespeare Herron 1-22 dst 2-1.jpg
- Shakespeare Herron 1-22 dst 3-2.jpg

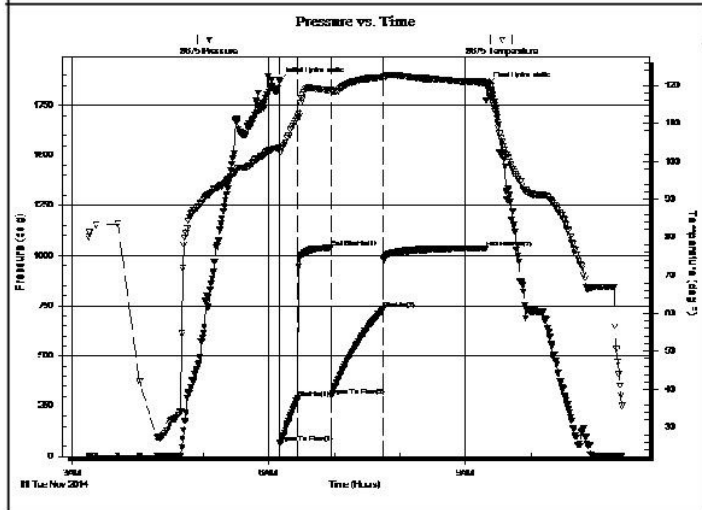
 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT	
	Shakespeare Oil Company, Inc. 202 West Street Salem IL, 62881 ATTN: Mac Armstrong	22-17s-33w Scott Co, KS Herron #1-22 Job Ticket: 57297 DST#: 1 Test Start: 2014.11.11 @ 03:15:00

GENERAL INFORMATION:

Formation: Lansing 'A,B,C'	Test Type: Conventional Bottom Hole (Initial)
Deviated: No Whipstock: ft (KB)	Tester: Jace McKinney
Time Tool Opened: 06:10:30	Unit No: 75
Time Test Ended: 11:24:00	
Interval: 3946.00 ft (KB) To 3972.00 ft (KB) (TVD)	Reference Elevations: 2957.00 ft (KB)
Total Depth: 3972.00 ft (KB) (TVD)	2945.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Poor	KB to GR/CF: 12.00 ft

Serial #: 8675	Inside				
Press@RunDepth: 730.76 psig @ 3953.00 ft (KB)	Capacity: 8000.00 psig				
Start Date: 2014.11.11	End Date: 2014.11.11	Last Calib.: 2014.11.11			
Start Time: 03:15:15	End Time: 11:24:00	Time On Btm: 2014.11.11 @ 06:10:15			
		Time Off Btm: 2014.11.11 @ 09:20:00			

TEST COMMENT: B.O.B. in 2 1/2 min.
 Bled off for 5 min, No return blow
 B.O.B. in 3 min.
 Bled off for 5 min, No return blow



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1869.52	103.61	Initial Hydro-static
1	65.05	102.31	Open To Flow (1)
17	289.94	111.93	Shut-In(1)
47	1039.29	118.72	End Shut-In(1)
47	300.78	118.45	Open To Flow (2)
95	730.76	122.26	Shut-In(2)
189	1037.62	120.82	End Shut-In(2)
190	1847.62	120.69	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
191.00	w cm 20%W 80%M	2.68
315.00	w cm 50%W 50%M	4.42
189.00	mcw 20%M 80%W	2.65
1070.00	100%W	15.01

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

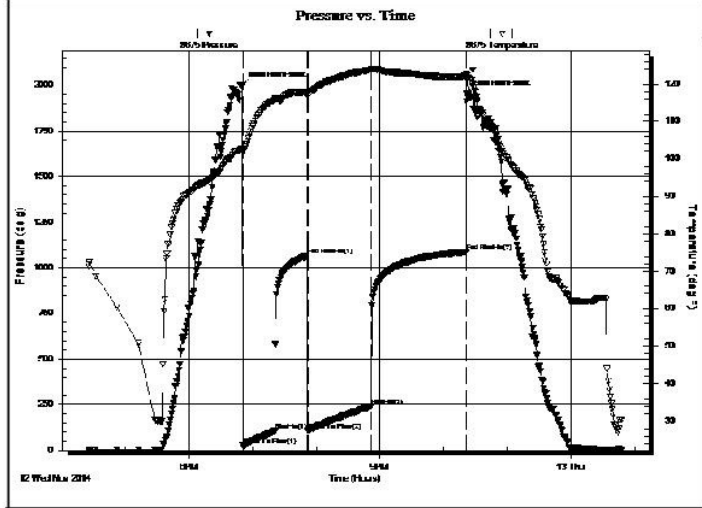
 <p style="font-size: 2em; font-weight: bold; margin: 0;">TRILOBITE TESTING, INC.</p>	DRILL STEM TEST REPORT	
	Shakespeare Oil Company, Inc. 202 West Street Salem IL, 62881 ATTN: Mac Armstrong	22-17s-33w Scott Co, KS Herron #1-22 Job Ticket: 57298 DST#: 2 Test Start: 2014.11.12 @ 16:25:00

GENERAL INFORMATION:

Formation: LKC 'J&K' Deviated: No Whipstock: ft (KB) Time Tool Opened: 18:50:30 Time Test Ended: 00:48:30	Test Type: Conventional Bottom Hole (Reset) Tester: Jace McKinney Unit No: 75
Interval: 4178.00 ft (KB) To 4230.00 ft (KB) (TVD) Total Depth: 4230.00 ft (KB) (TVD) Hole Diameter: 7.88 inches Hole Condition: Poor	Reference Elevations: 2957.00 ft (KB) 2945.00 ft (CF) KB to GR/CF: 12.00 ft

Serial #: 8675	Inside				
Press@RunDepth:	240.46 psig @	4191.00 ft (KB)	Capacity:	8000.00 psig	
Start Date:	2014.11.12	End Date:	2014.11.13	Last Calib.:	2014.11.12
Start Time:	16:25:15	End Time:	00:48:30	Time On Btm:	2014.11.12 @ 18:50:15
				Time Off Btm:	2014.11.12 @ 22:21:45

TEST COMMENT: B.O.B. in 15 min.
 Bled off for 5 min, No return blow
 B.O.B. in 22 min.
 Bled off for 5 min, No return blow



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2000.76	102.82	Initial Hydro-static
1	24.78	101.98	Open To Flow (1)
31	105.76	115.81	Shut-In(1)
62	1066.74	117.84	End Shut-In(1)
62	107.24	117.19	Open To Flow (2)
122	240.46	123.78	Shut-In(2)
211	1087.14	122.07	End Shut-In(2)
212	1953.65	122.48	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
199.00	mcw 30%M 70%O	2.79
252.00	100% Water	3.53

* Recovery from multiple tests

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

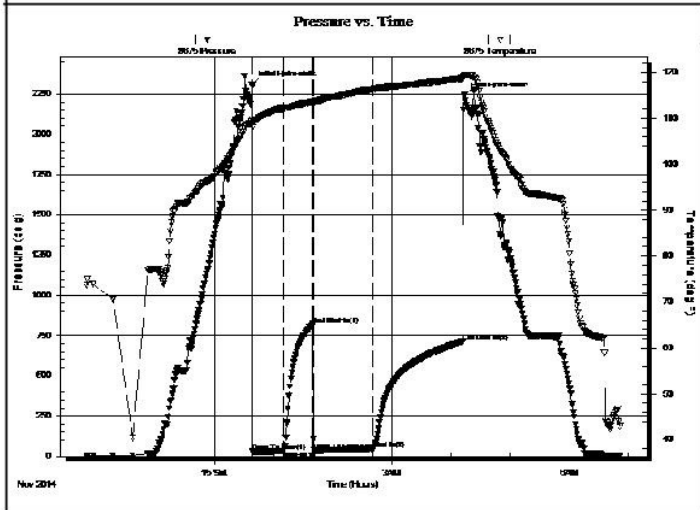
 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT	
	Shakespeare Oil Company, Inc. 202 West St Salem IL 62881 ATTN: Mac Armstrong	22-17s-33w Scott,KS Herron #1-22 Job Ticket: 57299 DST#: 3 Test Start: 2014.11.14 @ 21:50:00

GENERAL INFORMATION:

Formation: Lower Johnson & Morr	Test Type: Conventional Bottom Hole (Reset)
Deviated: No Whipstock: ft (KB)	Tester: Jace McKinney
Time Tool Opened: 00:38:45	Unit No: 75
Time Test Ended: 06:52:00	
Interval: 4556.00 ft (KB) To 4624.00 ft (KB) (TVD)	Reference Elevations: 2957.00 ft (KB)
Total Depth: 4624.00 ft (KB) (TVD)	2945.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Poor	KB to GR/CF: 12.00 ft

Serial #: 8675	Inside				
Press@RunDepth: 45.49 psig @ 4584.00 ft (KB)	Capacity: 8000.00 psig				
Start Date: 2014.11.14	End Date: 2014.11.15	Last Calib.: 2014.11.15			
Start Time: 21:50:15	End Time: 06:52:00	Time On Btm: 2014.11.15 @ 00:38:30			
		Time Off Btm: 2014.11.15 @ 04:13:15			

TEST COMMENT: Built to 3 1/2" blow
 Bled off for 3 min, No return blow
 Built to 1 1/2" blow
 Bled off for 3 min, No return blow



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2306.48	109.68	Initial Hydro-static
1	25.99	108.09	Open To Flow (1)
32	34.17	112.19	Shut-In(1)
62	820.72	113.61	End Shut-In(1)
62	36.10	113.35	Open To Flow (2)
123	45.49	116.37	Shut-In(2)
214	712.06	118.72	End Shut-In(2)
215	2240.79	119.31	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
45.00	100% Mud with oil spots in tool	0.63

* Recovery from multiple tests

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



PO Box 93999
Southlake, TX 76092

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

INVOICE

Invoice Number: 146938
Invoice Date: Nov 5, 2014
Page: 1

Federal Tax I.D.#: 20-8651475

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

Customer ID	Field Ticket #	Payment Terms	
Shak	64224	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Nov 5, 2014	12/5/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Herron #1-22		
180.00	CEMENT MATERIALS	Class A Common	17.90	3,222.00
338.00	CEMENT MATERIALS	Gel	0.50	169.00
507.00	CEMENT MATERIALS	Chloride	1.10	557.70
194.60	CEMENT SERVICE	Cubic Feet Charge	2.48	482.61
403.95	CEMENT SERVICE	Ton Mileage Charge	2.75	1,110.86
1.00	CEMENT SERVICE	Surface ✓	1,512.25	1,512.25
45.00	CEMENT SERVICE	Pump Truck Mileage	7.70	346.50
1.00	CEMENT SERVICE	Manifold Head Rental	275.00	275.00
45.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	198.00
1.00	CEMENT SUPERVISOR	Andrew Forslund		
1.00	EQUIPMENT OPERATOR	Brandon Wilkinson		

INT
RECEIVED
NOV 18 2014

10502-5
Kw

Subtotal	7,873.92
Sales Tax	321.82
Total Invoice Amount	8,195.74
Payment/Credit Applied	
TOTAL	8,195.74

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

\$ 1,968.48

ONLY IF PAID ON OR BEFORE
Dec 5, 2014

DW



PO Box 93999
Southlake, TX 76092

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

INVOICE

Invoice Number: 147221
Invoice Date: Nov 16, 2014
Page: 1

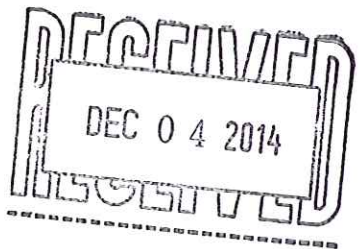
Federal Tax I.D.#: 20-8651475

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

Customer ID	Field Ticket #	Payment Terms	
Shak	64317	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-03	Oakley	Nov 16, 2014	12/16/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Herron #1-22		
280.00	CEMENT MATERIALS	Light Weight	18.92	5,297.60
70.00	CEMENT MATERIALS	Flo Seal	2.97	207.90
300.72	CEMENT SERVICE	Cubic Feet Charge	2.48	745.79
565.20	CEMENT SERVICE	Ton Mileage Charge	2.75	1,554.30
1.00	CEMENT SERVICE	Plug to Abandon ✓	2,483.59	2,483.59
45.00	CEMENT SERVICE	Pump Truck Mileage	7.70	346.50
45.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	198.00
1.00	CEMENT SUPERVISOR	Paul Beaver		
1.00	EQUIPMENT OPERATOR	Tyler Flipse		
1.00	OPERATOR ASSISTANT	Shawn Tatro		
1.00	OPERATOR ASSISTANT	Wayne Messalle		

INT



10502-17
KW

Subtotal	10,833.68
Sales Tax	882.94
Total Invoice Amount	11,716.62
Payment/Credit Applied	
TOTAL	11,716.62

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

\$ 2,708.42

ONLY IF PAID ON OR BEFORE
Dec 16, 2014

DW

