



**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # \_\_\_\_\_

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

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

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

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

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

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

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

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

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

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

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

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

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

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

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

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

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

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

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

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

Total Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**Drilling Fluid Management Plan**

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

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

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**AFFIDAVIT**

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

Submitted Electronically

**KCC Office Use ONLY**

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



1069641

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

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

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Campbell 1-17
Doc ID	1069641

Tops

Name	Top	Datum
Base Anhydrite	2536	+491
Heebner	2965	-938
Lansing	4007	-980
Muncie Creek	4159	-1132
Stark Shale	4246	-1219
BKC	4312	-1285
Cherokee Shale	4526	-1499
Johnson	4570	-1543
Mississippian	4631	-1602



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co.

**Campbell 1-17**

202 W Main St.  
Salem IL 62881

**17-13-32 Logan, Ks**

ATTN: Lansing A&B

Job Ticket: 39090

**DST#: 1**

Test Start: 2010.07.05 @ 09:35:31

## GENERAL INFORMATION:

Formation: **Lansing A&B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:25:56

Time Test Ended: 16:26:55

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

**Interval: 4005.00 ft (KB) To 4050.00 ft (KB) (TVD)**

Reference Elevations: 3027.00 ft (KB)

Total Depth: 4050.00 ft (KB) (TVD)

3017.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8373**

**Inside**

Press @ Run Depth: 77.00 psig @ 4006.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.07.05

End Date:

2010.07.05

Last Calib.:

2010.07.05

Start Time:

09:35:31

End Time:

16:26:55

Time On Btm:

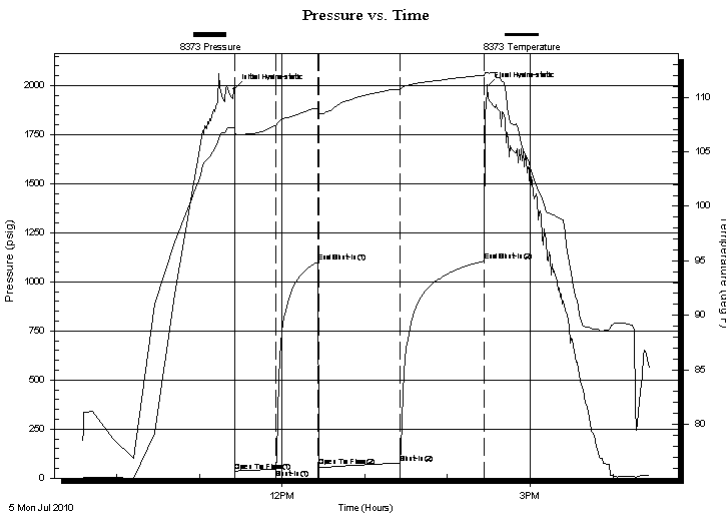
2010.07.05 @ 11:25:41

Time Off Btm:

2010.07.05 @ 14:28:40

**TEST COMMENT:** IF: 1/4 blow died in 6 min.  
IS: No return.  
FF: Surface blow built to 1 1/2 in 60 min.  
FS: No return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1984.20	107.25	Initial Hydro-static
1	36.16	106.62	Open To Flow (1)
30	46.25	107.43	Shut-In(1)
61	1102.31	109.03	End Shut-In(1)
61	58.54	108.56	Open To Flow (2)
120	77.00	110.69	Shut-In(2)
181	1106.10	112.04	End Shut-In(2)
183	1996.91	112.25	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
124.00	mud oil spots 100%o	0.61
1.00	free oil 100%o	0.01

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Shakespeare Oil Co.

**Campbell 1-17**

202 W Main St.  
Salem IL 62881

**17-13-32 Logan, Ks**

Job Ticket: 39090

**DST#: 1**

ATTN: Lansing A&B

Test Start: 2010.07.05 @ 09:35:31

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.80 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
124.00	mud oil spots 100%o	0.610
1.00	free oil 100%o	0.014

Total Length: 125.00 ft

Total Volume: 0.624 bbl

Num Fluid Samples: 0

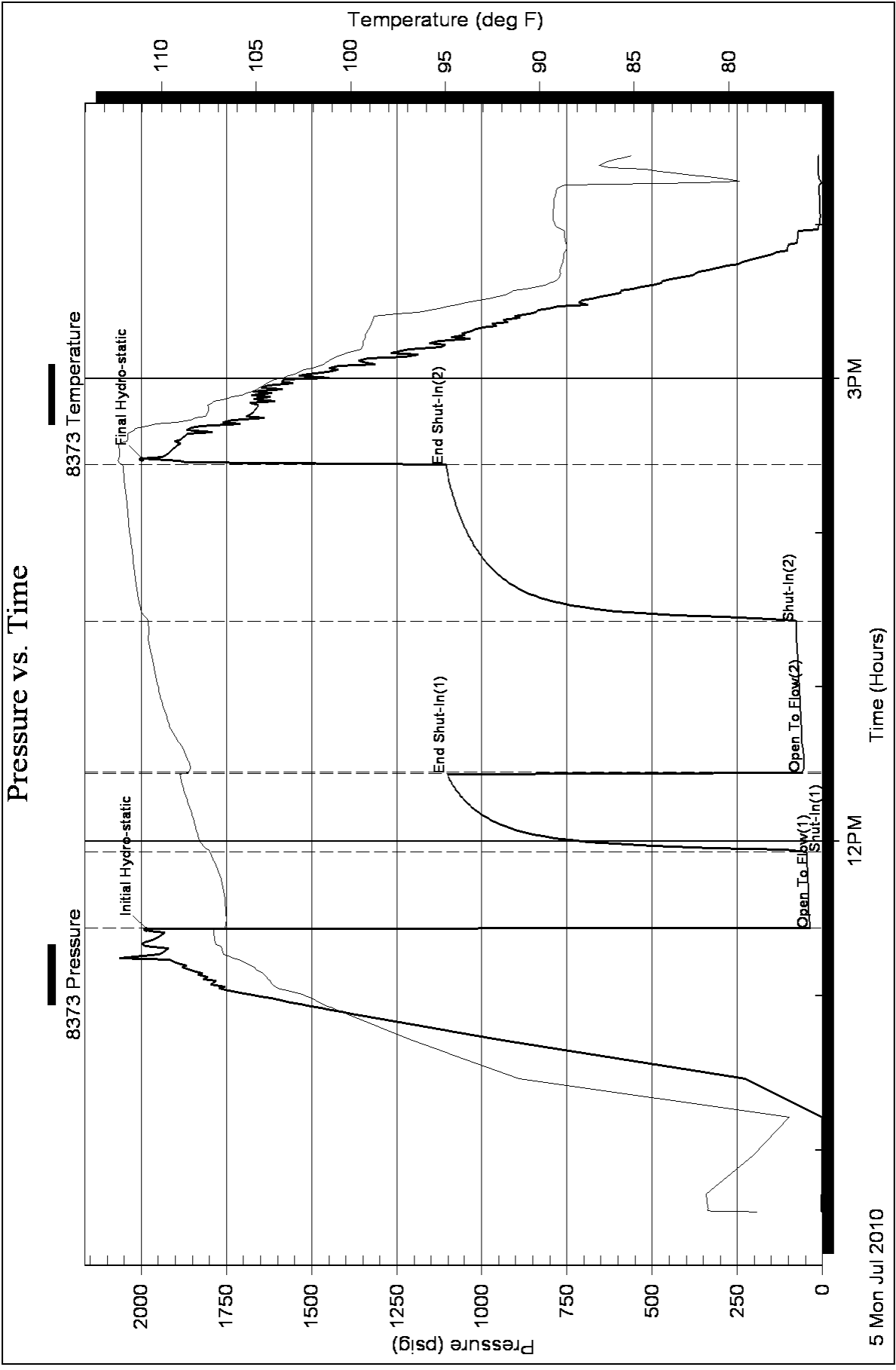
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co.

**Campbell 1-17**

202 W Main St.  
Salem IL 62881

**17-13-32 Logan, Ks**

ATTN: Lansing A&B

Job Ticket: 39091

**DST#: 2**

Test Start: 2010.07.06 @ 01:06:22

## GENERAL INFORMATION:

Formation: **Lansing D-F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:58:17

Time Test Ended: 08:47:46

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

**Interval: 4051.00 ft (KB) To 4096.00 ft (KB) (TVD)**

Reference Elevations: 3027.00 ft (KB)

Total Depth: 4096.00 ft (KB) (TVD)

3017.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8373**

**Inside**

Press @ Run Depth: 680.81 psig @ 4052.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.07.06

End Date:

2010.07.06

Last Calib.:

2010.07.06

Start Time: 01:06:22

End Time:

08:47:46

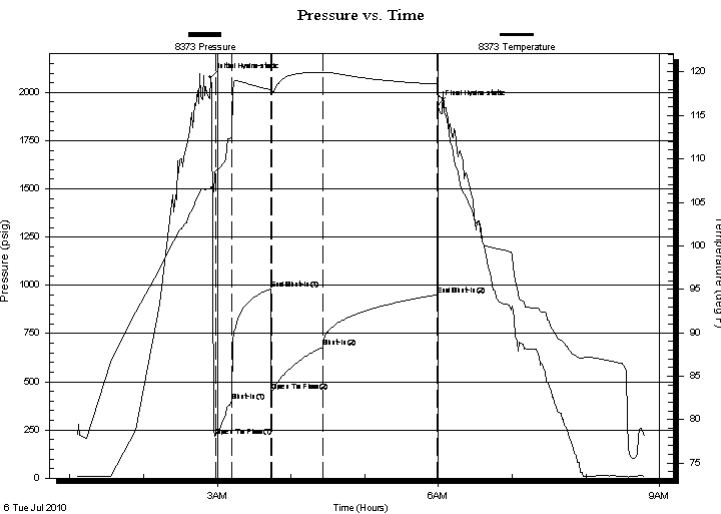
Time On Btm:

2010.07.06 @ 02:54:17

Time Off Btm:

2010.07.06 @ 05:59:46

**TEST COMMENT:** IF: BOB in 1 min.  
IS: No return.  
FF: BOB in 2 min.  
FS: No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2078.01	106.58	Initial Hydro-static
4	218.08	108.58	Open To Flow (1)
18	396.98	112.60	Shut-In(1)
50	982.87	117.97	End Shut-In(1)
50	453.32	117.70	Open To Flow (2)
92	680.81	119.91	Shut-In(2)
185	951.40	118.62	End Shut-In(2)
186	1936.02	117.66	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
868.00	water 100%w	11.05
248.00	mcw trace of oil 90%w 10%m	3.48
372.00	w cm trace of oil 30%w 70%m	5.22
1.00	free oil 100%o	0.01

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespeare Oil Co.

**Campbell 1-17**

202 W Main St.  
Salem IL 62881

**17-13-32 Logan, Ks**

Job Ticket: 39091

**DST#: 2**

ATTN: Lansing A&B

Test Start: 2010.07.06 @ 01:06:22

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

36000 ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.60 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1900.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
868.00	water 100%w	11.046
248.00	mcw trace of oil 90%w 10%m	3.479
372.00	w cm trace of oil 30%w 70%m	5.218
1.00	free oil 100%o	0.014

Total Length: 1489.00 ft      Total Volume: 19.757 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

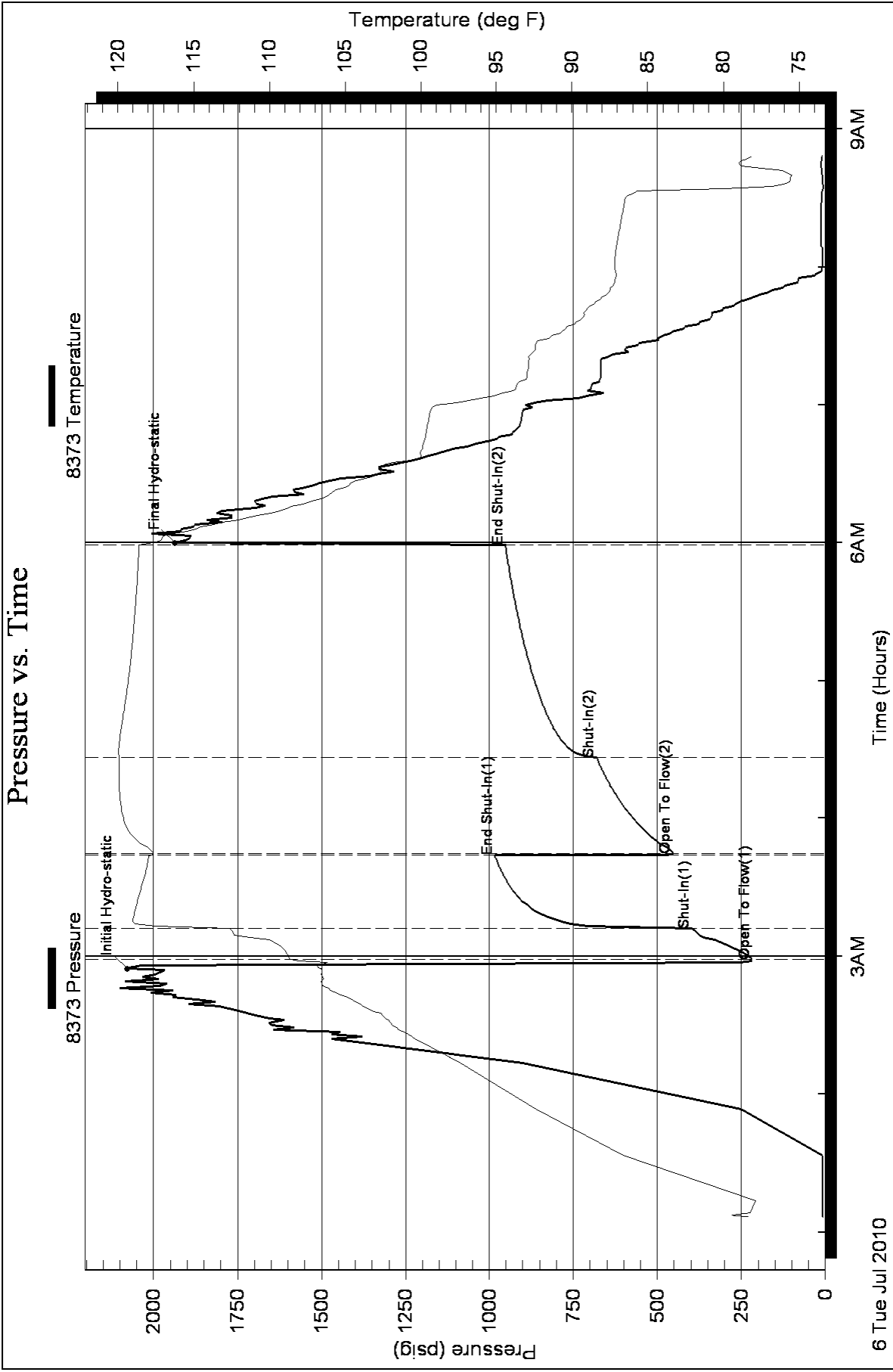
Laboratory Name:

Laboratory Location:

Recovery Comments: .21@67= 36000



### Pressure vs. Time





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co.

**Campbell 1-17**

202 W Main St.  
Salem IL 62881

**17-13-32 Logan, Ks**

ATTN: Lansing A & B

Job Ticket: 039158

**DST#: 3**

Test Start: 2010.07.06 @ 20:45:05

## GENERAL INFORMATION:

Formation: **Lansing "H"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:17:30

Time Test Ended: 04:25:14

Test Type: Conventional Bottom Hole

Tester: Mike Roberts

Unit No: 35

**Interval: 4148.00 ft (KB) To 4184.00 ft (KB) (TVD)**

Reference Elevations: 3027.00 ft (KB)

Total Depth: 4184.00 ft (KB) (TVD)

3017.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

**Serial #: 8373**

**Inside**

Press @ Run Depth: 289.31 psig @ 4149.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.07.06

End Date:

2010.07.07

Last Calib.:

2010.07.07

Start Time: 20:45:05

End Time:

04:25:14

Time On Btm:

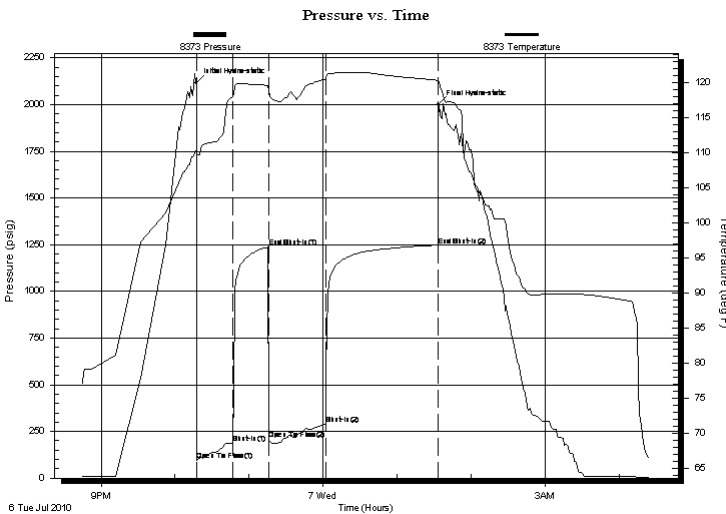
2010.07.06 @ 22:17:15

Time Off Btm:

2010.07.07 @ 01:33:44

**TEST COMMENT:** IF:B.O.B. in 12 min  
IS:No return blow  
FF:B.O.B in 8 min  
FS:Return blow built to 3"

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2115.38	110.31	Initial Hydro-static
1	97.44	109.59	Open To Flow (1)
30	188.93	117.94	Shut-In(1)
59	1235.45	119.49	End Shut-In(1)
59	209.23	118.93	Open To Flow (2)
105	289.31	120.44	Shut-In(2)
196	1246.03	120.27	End Shut-In(2)
197	2001.95	120.12	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
248.00	GCMWO 3%g 15%w 30%m 52%o	2.35
186.00	GCMWO 5%g 5%w 5% m 85%o	2.61
248.00	GCMWO 5%g 5%m 15%w 70% o	3.48
62.00	Free oil 100% o	0.87

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespeare Oil Co.

**Campbell 1-17**

202 W Main St.  
Salem IL 62881

**17-13-32 Logan, Ks**

Job Ticket: 039158

**DST#: 3**

ATTN: Lansing A&B

Test Start: 2010.07.06 @ 20:45:05

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.96 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
248.00	GCMWO 3% g 15%w 30%m 52%o	2.349
186.00	GCMWO 5%g 5%w 5% m 85%o	2.609
248.00	GCMWO 5%g 5%m 15%w 70% o	3.479
62.00	Free oil 100% o	0.870

Total Length: 744.00 ft      Total Volume: 9.307 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

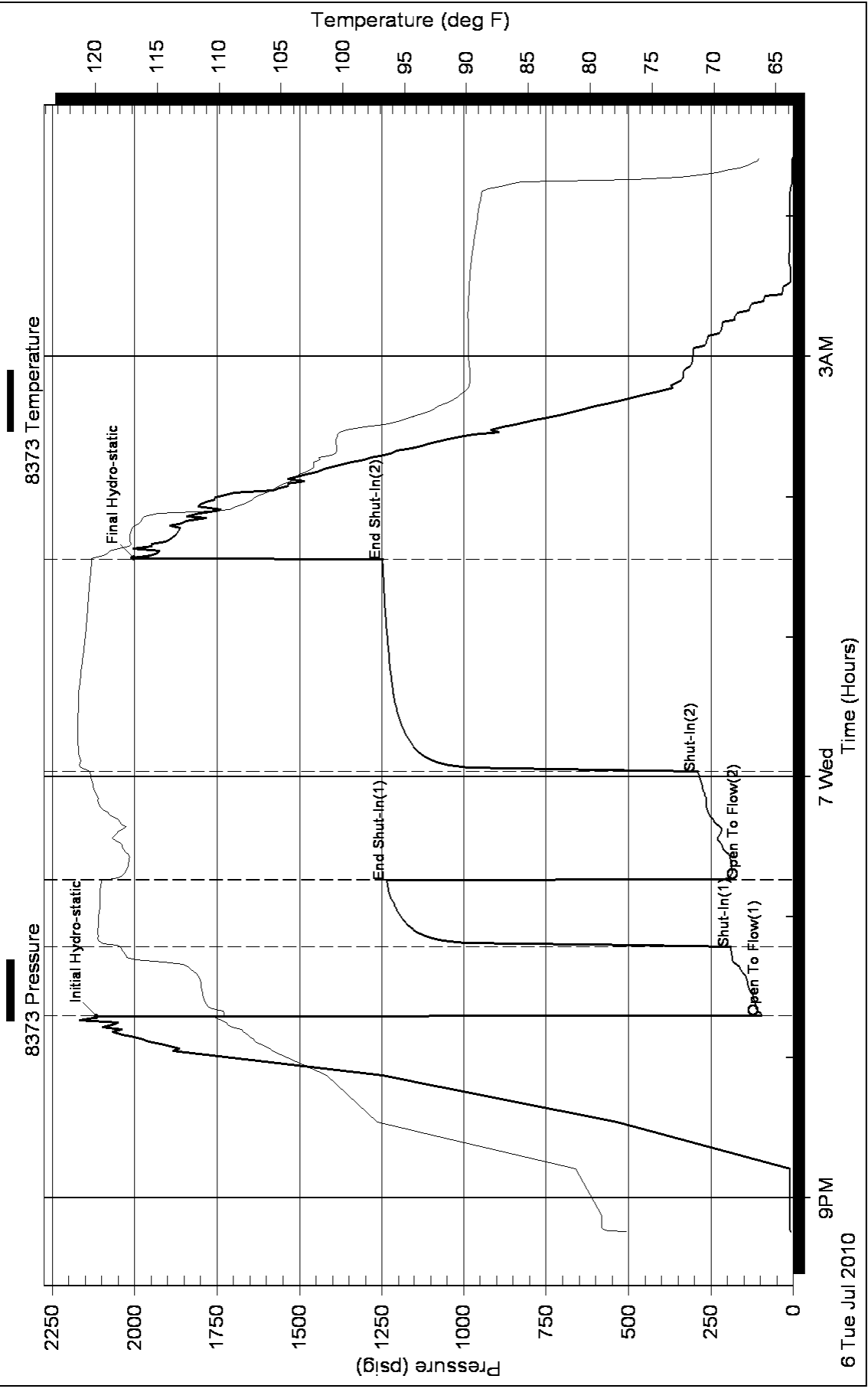
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API= 37 @ 70\* corrected to 36 @ 60\*

### Pressure vs. Time





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co.

**Campbell 1-17**

202 W Main St.  
Salem IL 62881

**17-13-32 Logan, Ks**

ATTN: Tim Priest

Job Ticket: 039159

**DST#: 4**

Test Start: 2010.07.07 @ 15:10:05

## GENERAL INFORMATION:

Formation: **Lansing "I"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:42:45

Time Test Ended: 20:26:14

Test Type: Conventional Bottom Hole

Tester: Mike Roberts

Unit No: 35

**Interval: 4183.00 ft (KB) To 4219.00 ft (KB) (TVD)**

Reference Elevations: 3027.00 ft (KB)

Total Depth: 4219.00 ft (KB) (TVD)

3017.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

**Serial #: 8373**

**Inside**

Press @ Run Depth: 32.05 psig @ 4184.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.07.07

End Date:

2010.07.07

Last Calib.:

2010.07.07

Start Time: 15:10:05

End Time:

20:26:14

Time On Btm:

2010.07.07 @ 16:42:30

Time Off Btm:

2010.07.07 @ 18:43:45

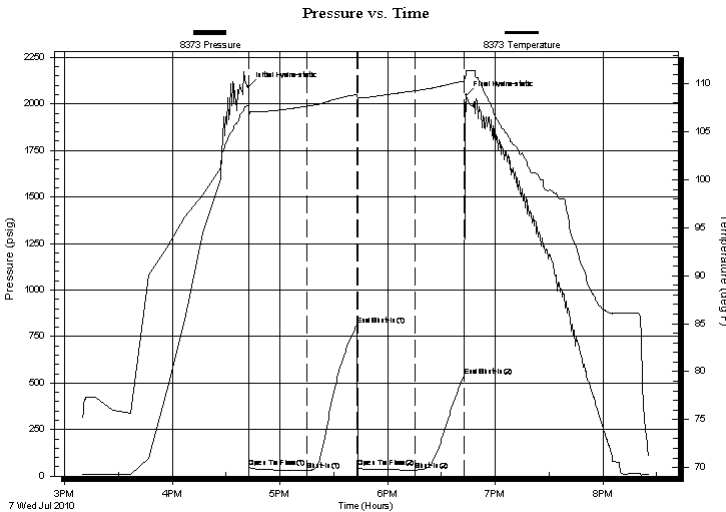
**TEST COMMENT:** IF: Built to very weak surface blow

IS: no return blow

FF: no blow

FS: no return blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2091.74	107.74	Initial Hydro-static
1	47.52	106.49	Open To Flow (1)
33	30.86	107.67	Shut-In(1)
61	813.88	108.91	End Shut-In(1)
61	45.53	108.34	Open To Flow (2)
93	32.05	109.30	Shut-In(2)
120	536.04	110.30	End Shut-In(2)
122	2046.21	111.39	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	MWOspots 100%	0.02

## Gas Rates

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



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# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespeare Oil Co.

**Campbell 1-17**

202 W Main St.  
Salem IL 62881

**17-13-32 Logan, Ks**

Job Ticket: 039159

**DST#: 4**

ATTN: Tim Priest

Test Start: 2010.07.07 @ 15:10:05

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.57 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3700.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	MWOSpots 100%	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

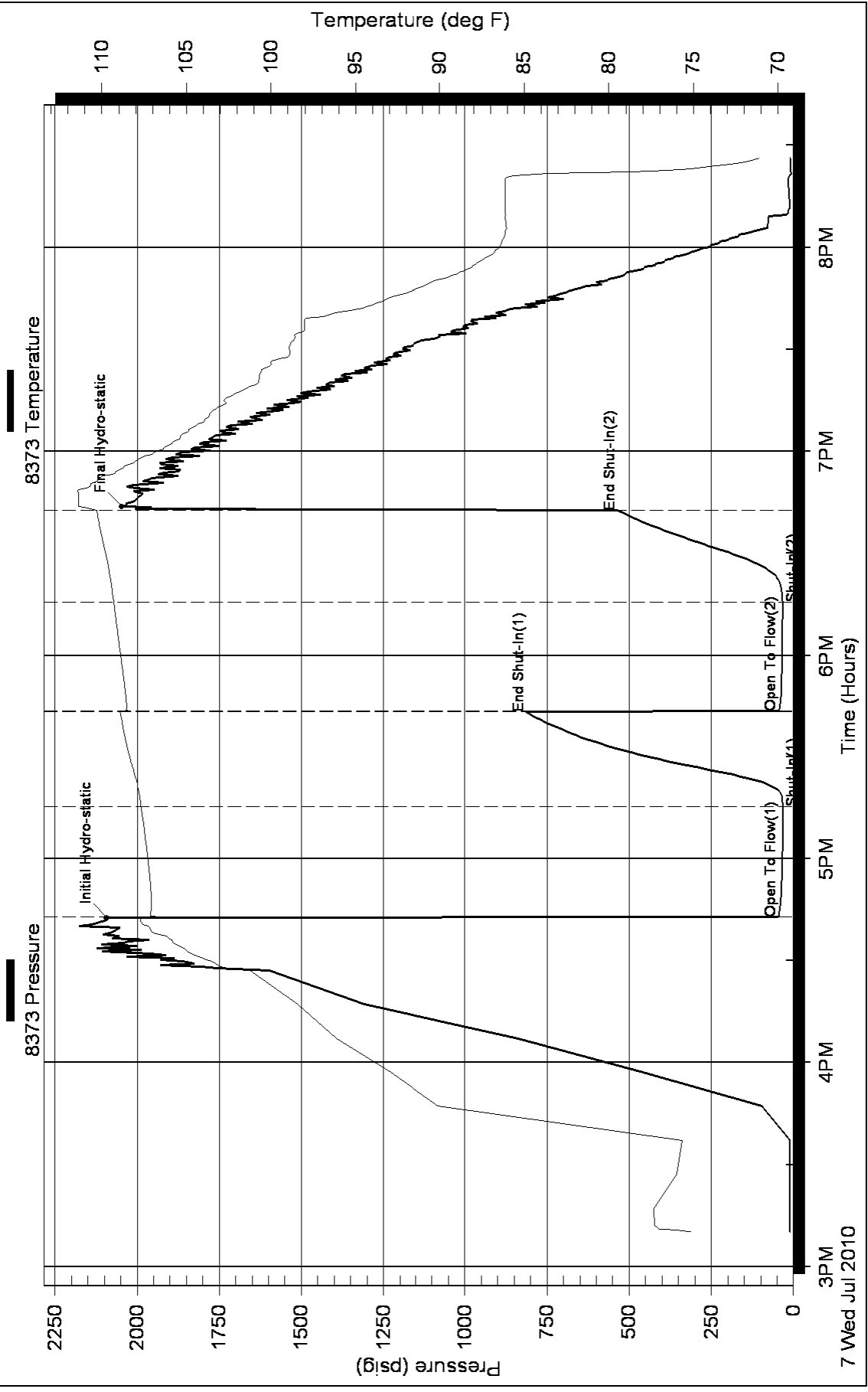
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co.

**Campbell 1-17**

202 W Main St.  
Salem IL 62881

**17-13-32 Logan, Ks**

ATTN: Tim Priest

Job Ticket: 039160

**DST#: 5**

Test Start: 2010.07.08 @ 07:58:05

## GENERAL INFORMATION:

Formation: "K"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:37:00

Time Test Ended: 14:11:14

Test Type: Conventional Bottom Hole

Tester: Mike Roberts

Unit No: 35

**Interval: 4243.00 ft (KB) To 4274.00 ft (KB) (TVD)**

Reference Elevations: 3027.00 ft (KB)

Total Depth: 4274.00 ft (KB) (TVD)

3017.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

**Serial #: 8373**

**Inside**

Press @ Run Depth: 65.48 psig @ 4244.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.07.08

End Date:

2010.07.08

Last Calib.:

2010.07.08

Start Time:

07:58:05

End Time:

14:11:14

Time On Btm:

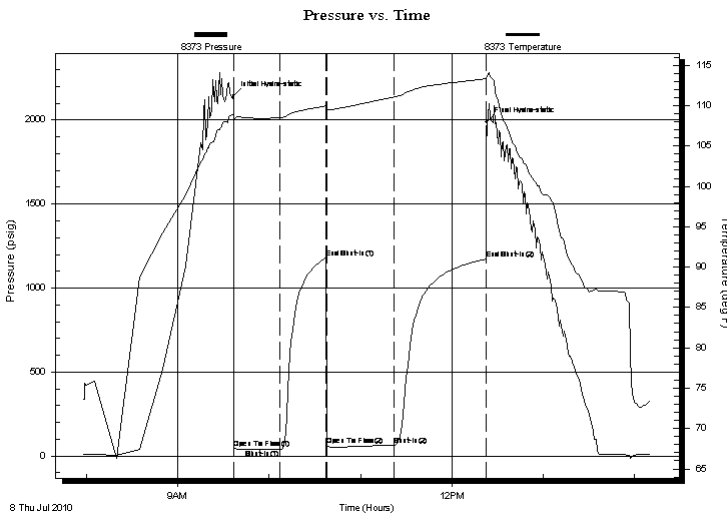
2010.07.08 @ 09:36:45

Time Off Btm:

2010.07.08 @ 12:22:59

**TEST COMMENT:** IF: Built to 1" blow  
IS: No return blow  
FF: Built to surface blow  
FS: No return blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2145.61	108.88	Initial Hydro-static
1	46.03	108.16	Open To Flow (1)
31	41.94	108.52	Shut-In(1)
61	1178.19	109.96	End Shut-In(1)
61	62.63	109.52	Open To Flow (2)
106	65.48	111.06	Shut-In(2)
166	1171.55	113.34	End Shut-In(2)
167	1989.99	113.55	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
124.00	mw os 100%m	0.61

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespeare Oil Co.

**Campbell 1-17**

202 W Main St.  
Salem IL 62881

**17-13-32 Logan, Ks**

Job Ticket: 039160

**DST#: 5**

ATTN: Tim Priest

Test Start: 2010.07.08 @ 07:58:05

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.96 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbf
124.00	mw os 100%m	0.610

Total Length: 124.00 ft

Total Volume: 0.610 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

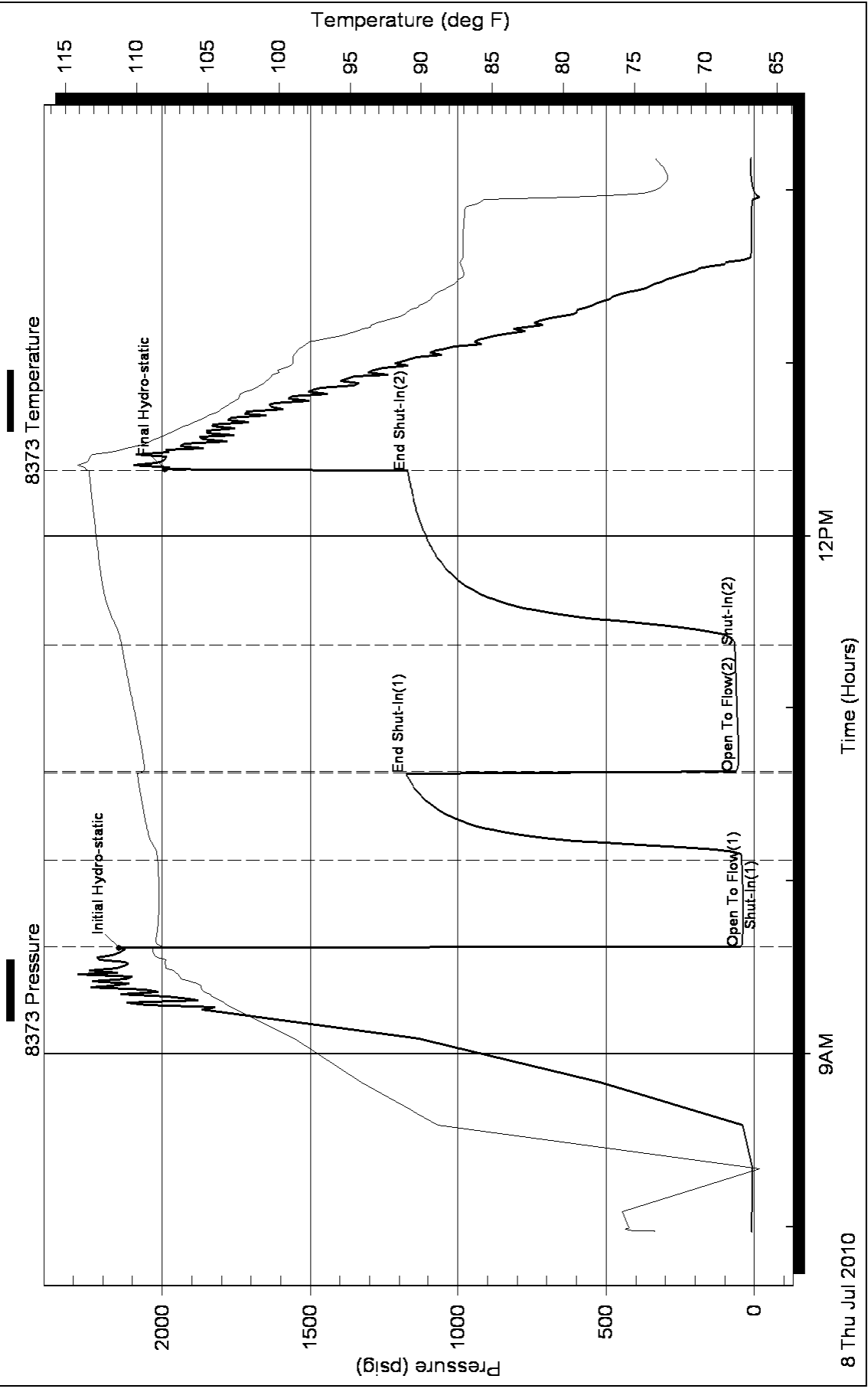
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co.

**Campbell 1-17**

202 W Main St.  
Salem IL 62881

**17-13-32 Logan, Ks**

ATTN: Tim Priest

Job Ticket: 039161

**DST#: 6**

Test Start: 2010.07.08 @ 23:50:05

## GENERAL INFORMATION:

Formation: **Lansng "L"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:01:30

Time Test Ended: 06:45:14

Test Type: Conventional Bottom Hole

Tester: Mike Roberts

Unit No: 35

**Interval: 4274.00 ft (KB) To 4310.00 ft (KB) (TVD)**

Reference Elevations: 3027.00 ft (KB)

Total Depth: 4274.00 ft (KB) (TVD)

3017.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

**Serial #: 8373**

**Inside**

Press @ Run Depth: 83.79 psig @ 4275.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.07.08

End Date:

2010.07.09

Last Calib.:

2010.07.09

Start Time: 23:50:05

End Time:

06:45:14

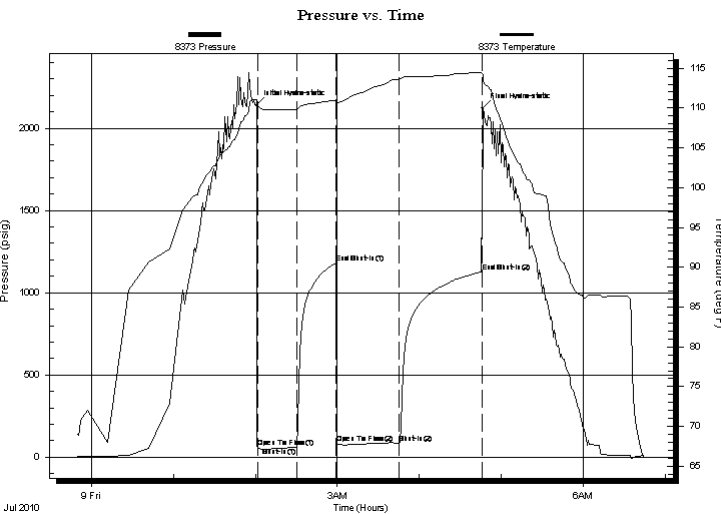
Time On Btm:

2010.07.09 @ 02:01:15

Time Off Btm:

2010.07.09 @ 04:46:29

**TEST COMMENT:** IF: Built to 1/4" blow  
IS: No return blow  
FF: Built to 1" blow in 30 min.  
FS: No return blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2143.10	111.04	Initial Hydro-static
1	63.21	110.24	Open To Flow (1)
29	58.83	109.83	Shut-In(1)
58	1181.40	111.00	End Shut-In(1)
59	85.79	110.56	Open To Flow (2)
104	83.79	113.63	Shut-In(2)
165	1127.27	114.47	End Shut-In(2)
166	2122.66	113.49	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
134.00	mw os 100% m	0.75

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespeare Oil Co.

**Campbell 1-17**

202 W Main St.  
Salem IL 62881

**17-13-32 Logan, Ks**

Job Ticket: 039161

**DST#: 6**

ATTN: Tim Priest

Test Start: 2010.07.08 @ 23:50:05

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.57 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
134.00	mw os 100%m	0.750

Total Length: 134.00 ft

Total Volume: 0.750 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

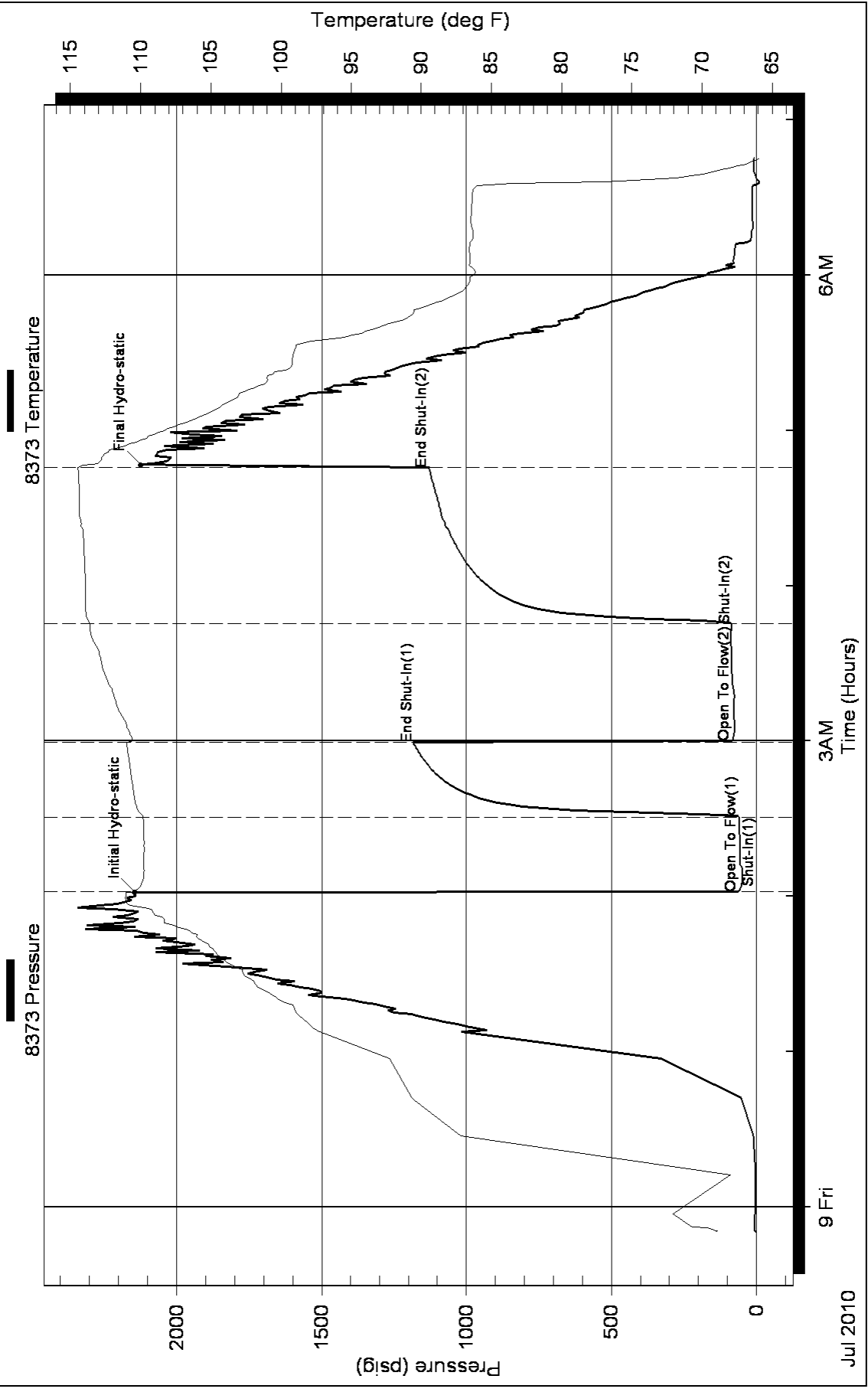
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Shakespeare Oil Co.

**Campbell 1-17**

202 W Main St.  
Salem IL 62881

**17-13-32 Logan, Ks**

ATTN: Tim Priest

Job Ticket: 039162

**DST#: 7**

Test Start: 2010.07.09 @ 20:28:05

## GENERAL INFORMATION:

Formation: **Altamout**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:55:45

Time Test Ended: 02:15:14

Test Type: Conventional Bottom Hole

Tester: Mike Roberts

Unit No: 35

**Interval: 4350.00 ft (KB) To 4392.00 ft (KB) (TVD)**

Reference Elevations: 3027.00 ft (KB)

Total Depth: 4392.00 ft (KB) (TVD)

3017.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

**Serial #: 8373**

**Inside**

Press @ Run Depth: 57.35 psig @ 4351.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.07.09

End Date:

2010.07.10

Last Calib.:

2010.07.10

Start Time: 20:28:05

End Time:

02:15:14

Time On Btm:

2010.07.09 @ 21:55:30

Time Off Btm:

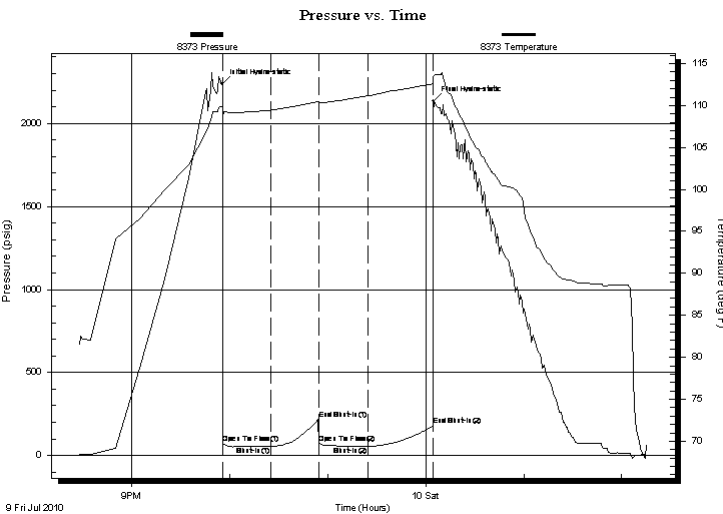
2010.07.10 @ 00:05:00

**TEST COMMENT:** IF: Surface blow died in 7 min

IS: No return blow

FF: No blow

FS: No return blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2236.83	109.92	Initial Hydro-static
1	71.48	108.57	Open To Flow (1)
30	56.17	109.46	Shut-In(1)
59	216.95	110.46	End Shut-In(1)
59	74.06	110.34	Open To Flow (2)
90	57.35	111.17	Shut-In(2)
129	180.60	112.60	End Shut-In(2)
130	2135.14	113.57	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
70.00	m 100%	0.34

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespeare Oil Co.

**Campbell 1-17**

202 W Main St.  
Salem IL 62881

**17-13-32 Logan, Ks**

Job Ticket: 039162

**DST#: 7**

ATTN: Tim Priest

Test Start: 2010.07.09 @ 20:28:05

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.37 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	m 100%	0.344

Total Length: 70.00 ft      Total Volume: 0.344 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

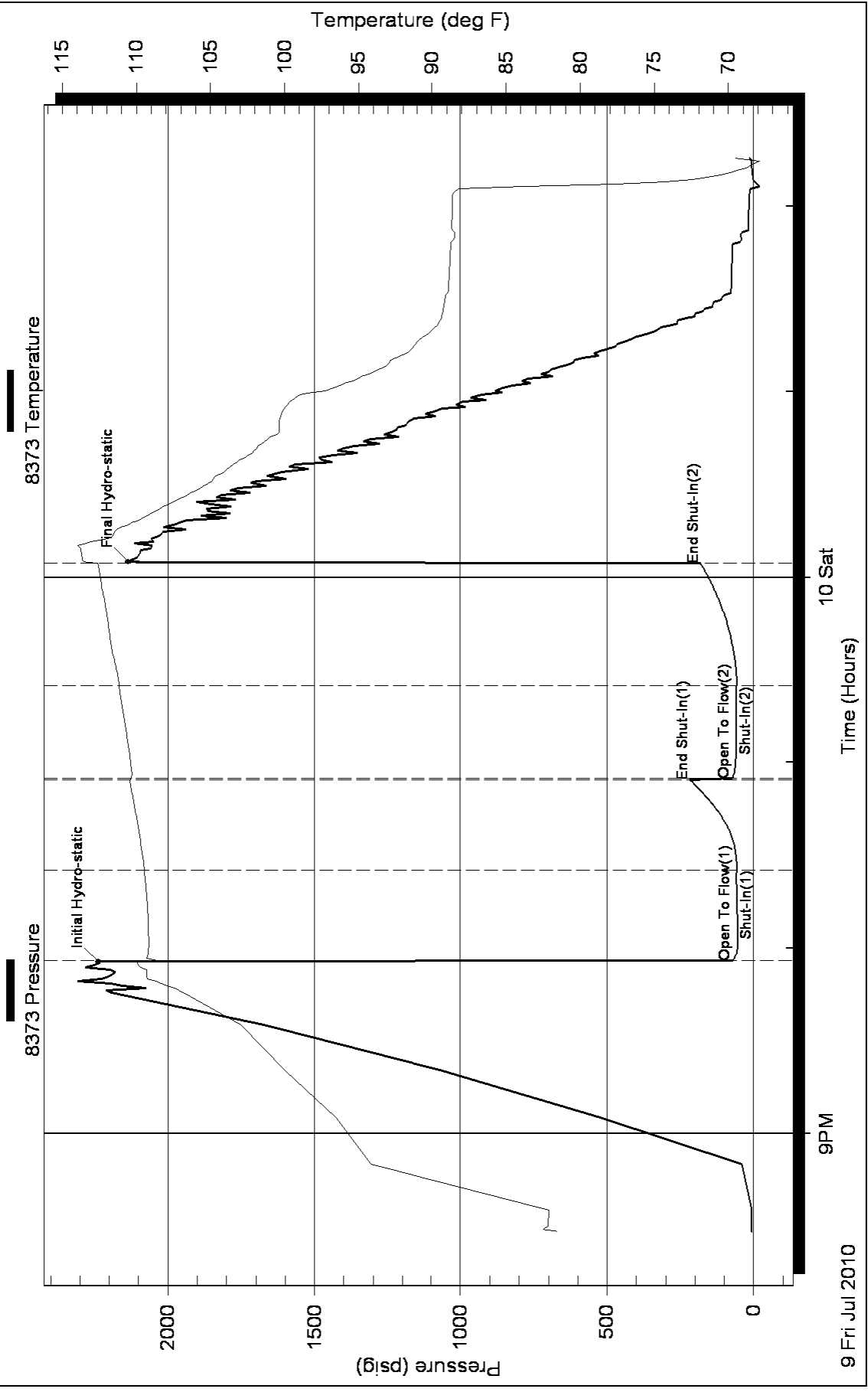
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time







**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co.

**Campbell 1-17**

202 W Main St.  
Salem IL 62881

**17-13-32 Logan, Ks**

ATTN: Tim Priest

Job Ticket: 039163

**DST#: 8**

Test Start: 2010.07.10 @ 17:53:00

## GENERAL INFORMATION:

Formation: **Altamout and Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:42:45

Time Test Ended: 23:27:00

Test Type: Conventional Bottom Hole

Tester: Mike Roberts

Unit No: 35

**Interval: 4398.00 ft (KB) To 4451.00 ft (KB) (TVD)**

Reference Elevations: 3027.00 ft (KB)

Total Depth: 4451.00 ft (KB) (TVD)

3017.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

**Serial #: 8289 Outside**

Press @ Run Depth: 54.98 psig @ 4399.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.07.10 End Date: 2010.07.10

Last Calib.: 2010.07.10

Start Time: 17:53:05 End Time: 23:26:59

Time On Btm: 2010.07.10 @ 19:42:30

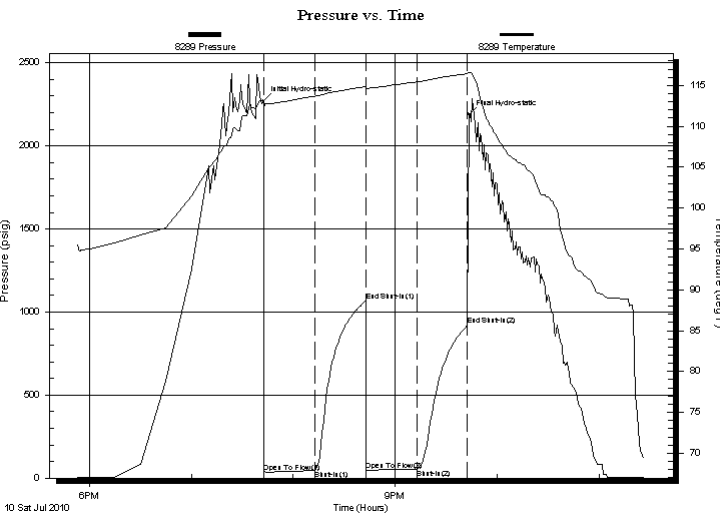
Time Off Btm: 2010.07.10 @ 21:43:15

**TEST COMMENT:** IF: Weak surface blow died in 9 min.

IS: No return blow

FF: No blow

FS: No return blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2272.04	113.20	Initial Hydro-static
1	38.03	112.15	Open To Flow (1)
30	45.06	113.67	Shut-In(1)
61	1068.76	114.86	End Shut-In(1)
61	48.75	114.38	Open To Flow (2)
91	54.98	115.43	Shut-In(2)
120	919.00	116.44	End Shut-In(2)
121	2189.32	116.59	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	mw os 100% m	0.15

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespeare Oil Co.

**Campbell 1-17**

202 W Main St.  
Salem IL 62881

**17-13-32 Logan, Ks**

Job Ticket: 039163

**DST#: 8**

ATTN: Tim Priest

Test Start: 2010.07.10 @ 17:53:00

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.77 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 5600.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	mw os 100%m	0.148

Total Length: 30.00 ft      Total Volume: 0.148 bbl

Num Fluid Samples: 0

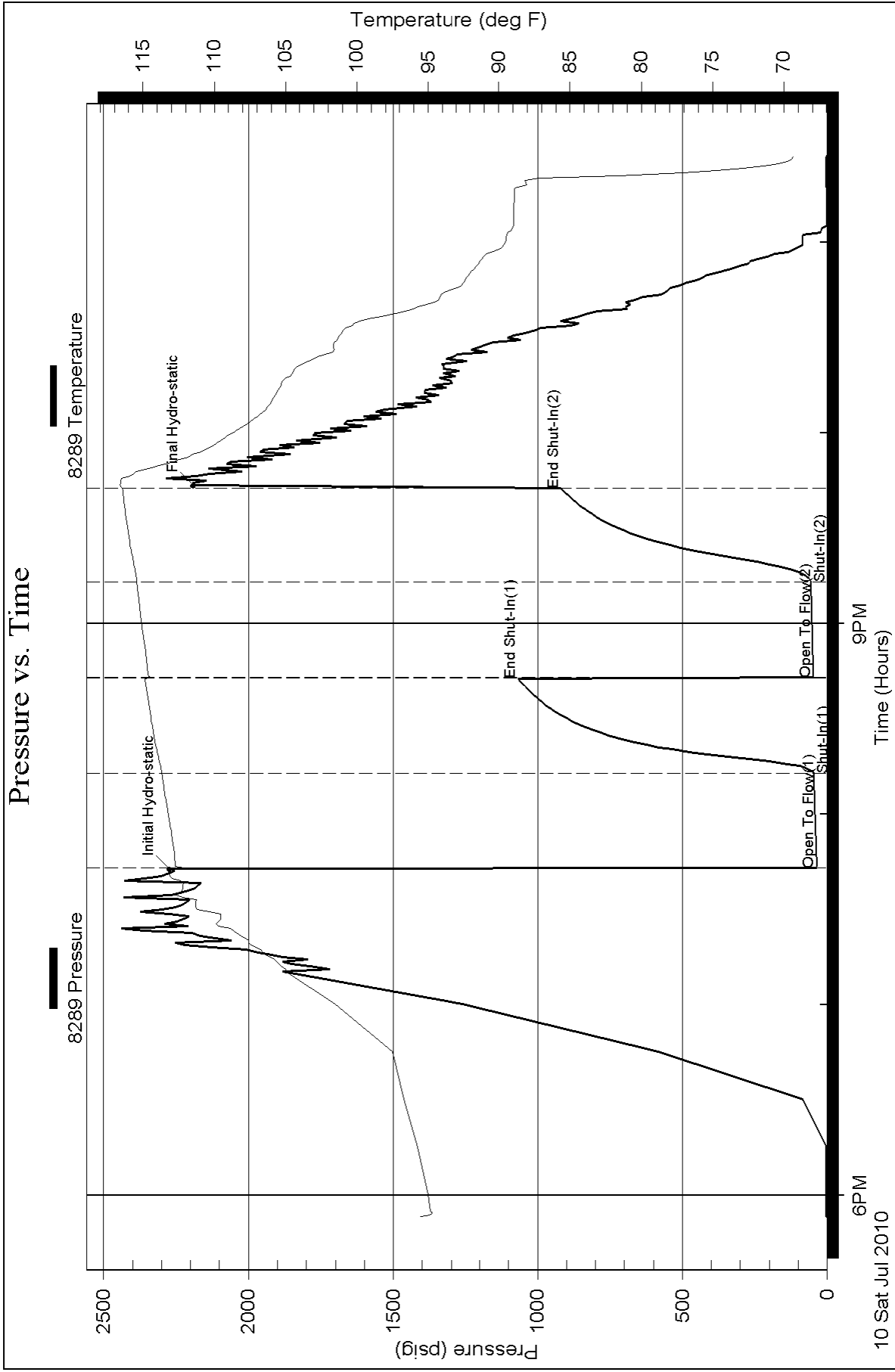
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co.

**Campbell 1-17**

202 W Main St.  
Salem IL 62881

**17-13-32 Logan, Ks**

ATTN: Tim Priest

Job Ticket: 39092

**DST#: 9**

Test Start: 2010.07.11 @ 13:45:51

## GENERAL INFORMATION:

Formation: **Ft. Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:30:31

Time Test Ended: 21:06:45

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

**Interval: 4482.00 ft (KB) To 4528.00 ft (KB) (TVD)**

Reference Elevations: 3027.00 ft (KB)

Total Depth: 4528.00 ft (KB) (TVD)

3017.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8373**

**Inside**

Press @ Run Depth: 157.40 psig @ 4483.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.07.11

End Date:

2010.07.11

Last Calib.:

2010.07.11

Start Time:

13:45:51

End Time:

21:06:45

Time On Btm:

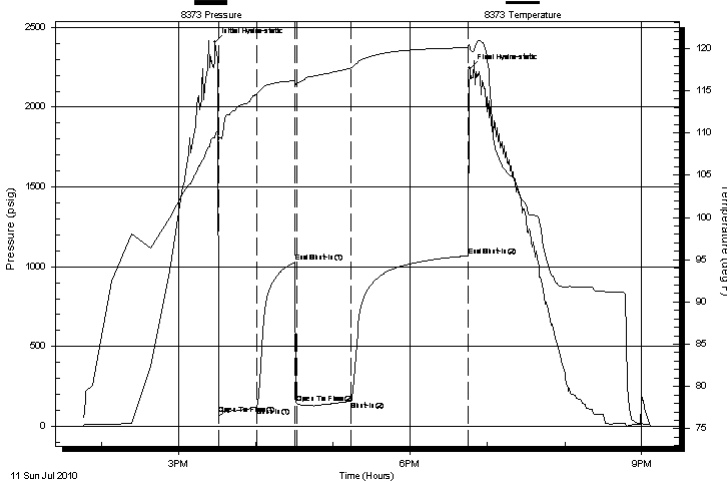
2010.07.11 @ 15:28:01

Time Off Btm:

2010.07.11 @ 18:46:15

**TEST COMMENT:** IF: 1/4 blow BOB in 12 min.  
IS: Surface blow never built.  
FF: 1/4 blow BOB in 7 min.  
FS: Surface blow built to 3 in 90 min.

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2405.17	109.43	Initial Hydro-static
3	73.34	109.24	Open To Flow (1)
33	117.09	114.59	Shut-In(1)
62	1028.83	116.18	End Shut-In(1)
64	143.16	115.67	Open To Flow (2)
106	157.40	117.67	Shut-In(2)
197	1068.81	120.07	End Shut-In(2)
199	2241.99	120.12	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
124.00	mw cgo 30%g 50%o 10%w 10%m	0.61
186.00	mcgo 40%g 40%o 20%m	2.61
93.00	gocm 20%g 20%o 60%m	1.30
0.00	806 GIP	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespeare Oil Co.

**Campbell 1-17**

202 W Main St.  
Salem IL 62881

**17-13-32 Logan, Ks**

ATTN: Tim Priest

Job Ticket: 39092

**DST#: 9**

Test Start: 2010.07.11 @ 13:45:51

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 30 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 0 ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.78 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 5600.00 ppm		
Filter Cake: 1.00 inches		

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	mw cgo 30%g 50%o 10%w 10%m	0.610
186.00	mcgo 40%g 40%o 20%m	2.609
93.00	gocm 20%g 20%o 60%m	1.305
0.00	806 GIP	0.000

Total Length: 403.00 ft      Total Volume: 4.524 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

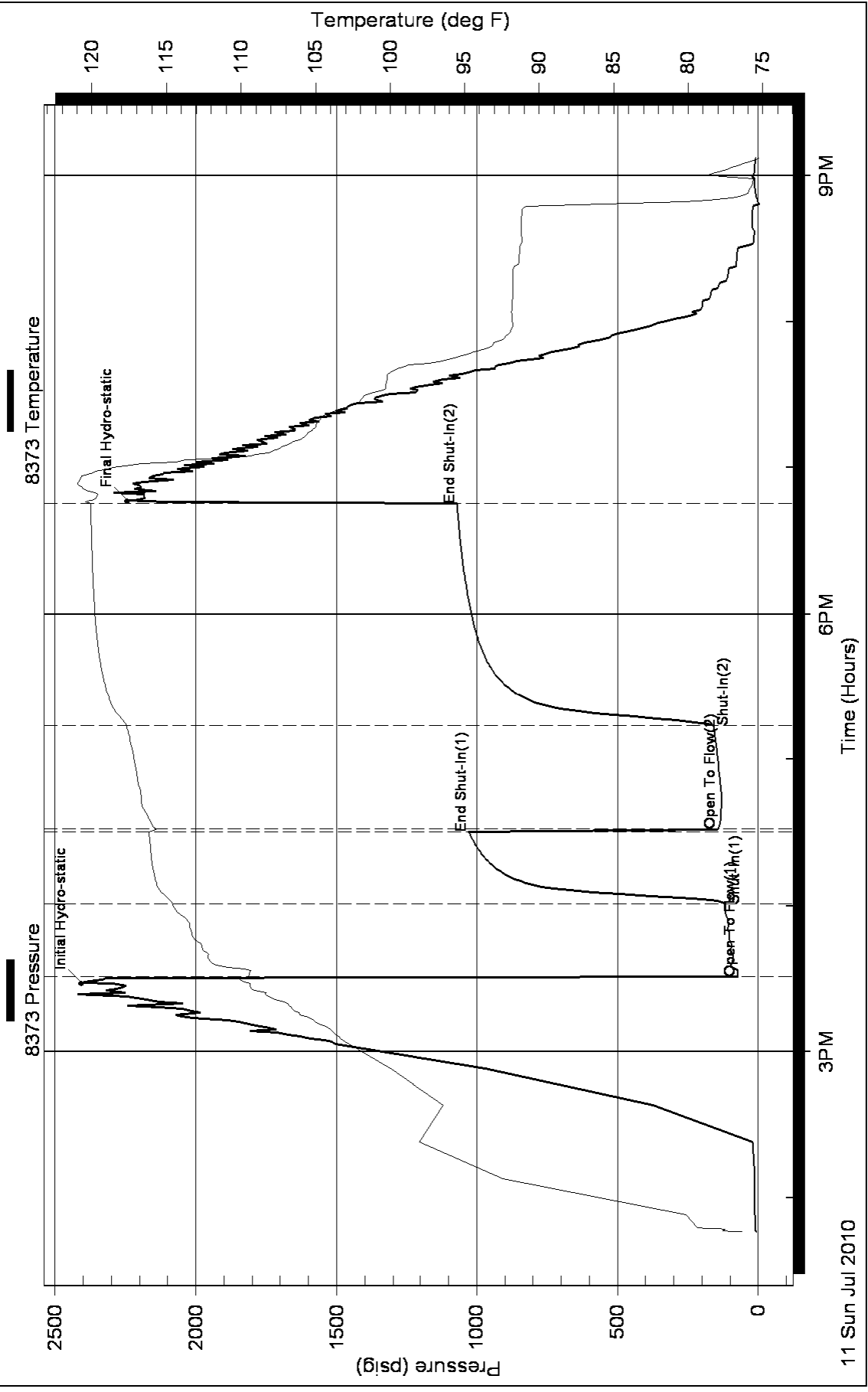
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 32@80=30

### Pressure vs. Time





PO BOX 31 Russell, KS 67665

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

# INVOICE

Invoice Number: 123330  
Invoice Date: Jun 29, 2010  
Page: 1

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

Federal Tax I.D.#: 20-5975804

*INT*

*well file*

<b>Customer ID</b>	<b>Well Name# or Customer P.O.</b>	<b>Payment Terms</b>
Shak	Campbell #1-17	Net 30 Days
<b>Job Location</b>	<b>Camp Location</b>	<b>Service Date</b>
KS1-01	Oakley	Jun 29, 2010
		<b>Due Date</b>
		7/29/10

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

**RECEIVED**  
JUL 09 2010  
BUSINESS

Subtotal	4,813.45
Sales Tax	186.53
Total Invoice Amount	4,999.98
Payment/Credit Applied	
<b>TOTAL</b>	<b>4,999.98</b>

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  
Jul 24, 2010







PO BOX 31 Russell, KS 67665

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

# INVOICE

Invoice Number: 123522  
Invoice Date: Jul 13, 2010  
Page: 1

**Bill To:**

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

Federal Tax I.D.#: 20-5975804

*File*  
*INT*

Customer ID	Well Name# or Customer P.O.	Payment Terms
Shak	Campbell #1-17	Net 30 Days
Job Location	Camp Location	Service Date
KS1-02	Oakley	Jul 13, 2010
		Due Date
		8/12/10

Quantity	Item	Description	Unit Price	Amount
205.00	MAT	ASC Class A	18.50	3,792.50
1,025.00	MAT	Gilsonite	0.89	912.25
144.00	MAT	CD-31	9.35	1,346.40
500.00	MAT	WFR - 2	1.27	635.00
262.00	SER	Handling	2.40	628.80
15.00	SER	Mileage 262 sx @.10 per sk per mi	26.20	393.00
1.00	SER	Production Casing	2,185.00	2,185.00
15.00	SER	Pump Truck Mileage	7.00	105.00

**PAID**  
JUL 19 2010  
ALLIED CEMENTING CO.

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

**\$ 1999.53**

ONLY IF PAID ON OR BEFORE  
**Aug 7, 2010**

Subtotal	9,997.95
Sales Tax	488.09
Total Invoice Amount	10,486.04
Payment/Credit Applied	
<b>TOTAL</b>	<b>10,486.04</b>

# ALLIED CEMENTING CO., LLC. 038948

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

Delmar

DATE 7-13-10	SEC. 17	TWP. 133	RANGE 32 W	CALLED OUT	ON LOCATION 12:30pm	JOB START 3:30pm	JOB FINISH 4:00pm
LEASE CAMPBELL	WELL # 1-17	LOCATION OARNE 135-300-1256.00		COUNTY KANSAS	STATE KS	JOB FINISH STATE KS	

OLD OR NEW (Circle one)

CONTRACTOR W.D. #2 OWNER \_\_\_\_\_

TYPE OF JOB Production

HOLE SIZE 7 7/8 T.D. 4700'

CASING SIZE 5 1/2 15.5 DEPTH 4700'

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. \_\_\_\_\_

PERFS. \_\_\_\_\_

DISPLACEMENT \_\_\_\_\_

**EQUIPMENT**

PUMP TRUCK CEMENTER Fuzzly  
# 431 HELPER Relly  
BULK TRUCK \_\_\_\_\_  
# 377 DRIVER DARRIN  
BULK TRUCK \_\_\_\_\_  
# \_\_\_\_\_ DRIVER \_\_\_\_\_

**REMARKS:**

Pump 5 BAL Gush water - 500gal water  
15 BAL Finish water - mix 305Ks  
down Rbl. mix 1755Ks cement  
downess wash pump lines  
Displace plus do backdown  
8000 lbg 16000 lb of cement  
Plusdown @ 4000 PUN  
Turns Fuzzly case

CHARGE TO: Shakopee  
STREET \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

To Allied Cementing Co., LLC.  
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME T.C. Larson  
SIGNATURE T.C. Larson

**CEMENT**

AMOUNT ORDERED 205 ASC  
500gal water 15 BAL water  
COMMON \_\_\_\_\_ @ \_\_\_\_\_  
POZMIX \_\_\_\_\_ @ \_\_\_\_\_  
GEL \_\_\_\_\_ @ \_\_\_\_\_  
CHLORIDE \_\_\_\_\_ @ \_\_\_\_\_  
ASC 205 @ 18.50 3792.50  
G. Granite 1025 @ .89 912.25  
CD-31 - 144 @ 9.35 1346.40  
water 500gal @ 1.27 635.00  
HANDLING 262 @ 45 6282.00  
MILEAGE 10 x 94 mile @ 393.00 3930.00  
TOTAL: 7707.95

**SERVICE**

DEPTH OF JOB \_\_\_\_\_  
PUMP TRUCK CHARGE 2185.00  
EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_  
MILEAGE 15 @ 7.00 105.00  
MANIFOLD \_\_\_\_\_ @ \_\_\_\_\_  
TOTAL 2290.00

**PLUG & FLOAT EQUIPMENT**

\_\_\_\_\_ @ \_\_\_\_\_  
\_\_\_\_\_ @ \_\_\_\_\_  
\_\_\_\_\_ @ \_\_\_\_\_  
\_\_\_\_\_ @ \_\_\_\_\_  
\_\_\_\_\_ @ \_\_\_\_\_  
TOTAL \_\_\_\_\_

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



PO BOX 31 Russell, KS 67665

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

# INVOICE

Invoice Number: 123596  
Invoice Date: Jul 15, 2010  
Page: 1

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

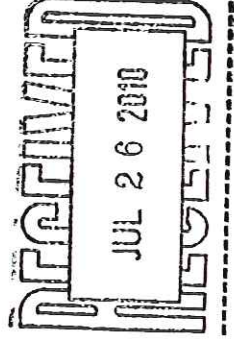
Federal Tax I.D.#: 20-5975804

*File copy*

Customer ID	Well Name# or Customer P.O.	Payment Terms
Shak	Campbell #1-17	Net 30 Days
Job Location	Camp Location	Service Date
KS1-04	Oakley	Jul 15, 2010
		Due Date
		8/14/10

Quantity	Item	Description	Unit Price	Amount
309.00	MAT	Class A Common	15.45	4,774.05
166.00	MAT	Pozmix	8.00	1,328.00
33.00	MAT	Gel	20.80	686.40
118.00	MAT	Flo Seal	2.50	295.00
512.00	SER	Handling	2.40	1,228.80
15.00	SER	Mileage 512 sx @ .10 per sk per mi	51.20	768.00
1.00	SER	Port Collar	1,185.00	1,185.00
15.00	SER	Pump Truck Mileage	7.00	105.00

*INST*



Subtotal	10,370.25
Sales Tax	517.09
Total Invoice Amount	10,887.34
Payment/Credit Applied	
<b>TOTAL</b>	<b>10,887.34</b>

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

\$ 2074.05

ONLY IF PAID ON OR BEFORE  
Aug 9, 2010



**TIM PRIEST**  
**Petroleum Geologist**  
(316)-213-6115

**GEOLOGIST'S REPORT**  
**DRILLING TIME AND SAMPLE LOG**

COMPANY SHAKESPEARE OIL CO.  
LEASE Campbell #1-17  
FIELD \_\_\_\_\_  
LOCATION 2305' FNL, 1345' FWL  
SEC 17 TWSP 13S RGE 32W  
COUNTY Logan STATE Kansas

CONTRACTOR HD Drilling Rig #2  
SPUD 6-29-10 COMP 7-13-10  
RTD 4700' LTD 4700'  
MUD UP 3500' TYPE MUD Chemical

SAMPLES SAVED FROM 3800' to RTD  
DRILLING TIME KEPT FROM 3750' to RTD  
SAMPLES EXAMINED FROM 3800' to RTD  
GEOLOGICAL SUPERVISION FROM 3700' to RTD  
GEOLOGIST ON WELL Tim Priest

**ELEVATIONS**

KB 3027'

DF \_\_\_\_\_

GL 3017'

Measurements Are All  
From KB

**CASING**

CONDUCTOR N/A

SURFACE 8-5/8" @ 226'

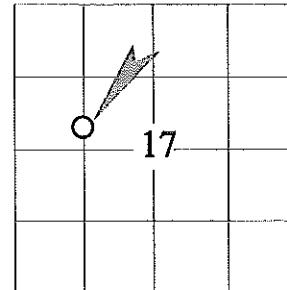
PRODUCTION \_\_\_\_\_

**ELECTRICAL  
SURVEYS  
CND;D/SP;P.E.**

Micro

By: Weatherford

FORMATION TOPS	ELECTRIC LOG	SAMPLE
Anhydrite	2514 (+513)	2514 (+513)
Heebner Shale	3965 (-938)	3965 (-938)
Toronto	3985 (-958)	3991 (-964)
Lansing	4007 (-980)	4010 (-983)
Stark	4245 (-1218)	4247 (-1220)
BKC	4312 (-1285)	4317 (-1290)
Fort Scott	4496 (-1469)	4493 (-1466)
Cherokee Shale	4526 (-1499)	4520 (-1493)
Mississippian	4630 (-1603)	4637 (-1610)



REMARKS

Respectfully Submitted,

Tim Priest  
Petroleum Geologist

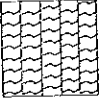
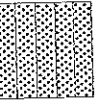
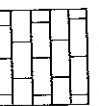
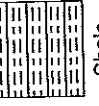

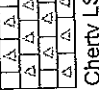
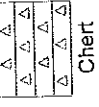


API #15-109-20918-00-00

REMARKS

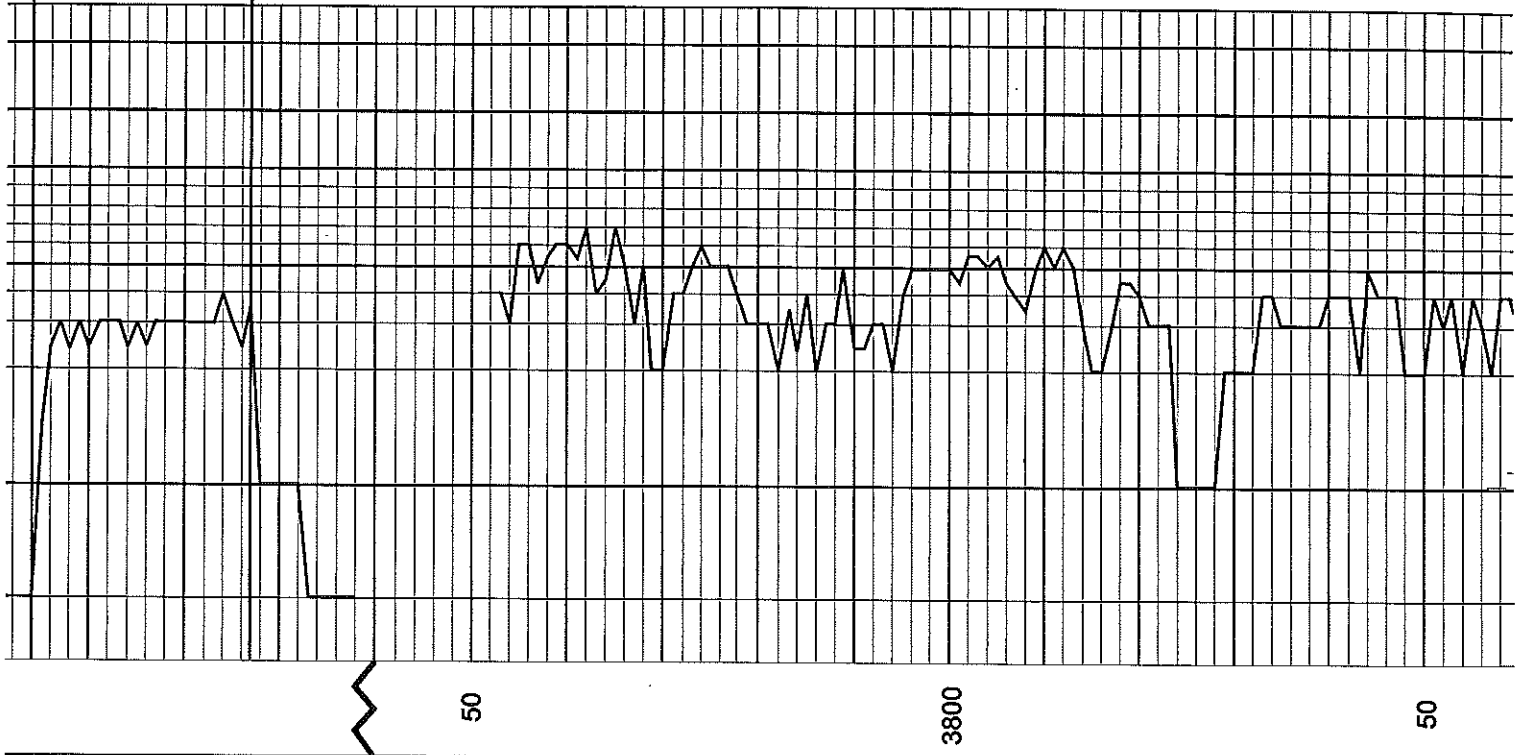
Respectfully Submitted,

Tim Priest  
Petroleum Geologist

API #15-109-20918-00-00

LITHOLOGY	DEPTH	DRILLING TIME IN MINUTES PER FOOT Rate of Penetration Decreases	SAMPLE DESCRIPTION	REMARKS
 Anhydrite  Sandstone  Limestone  Shale  Carb Sh  Cherty LS  Chert  Dolomite	2500		Anhydrite 2514(+513)	Base/ Anhydrite 2537(+490)

<p>Anhydrite 2514(+513)</p>	
<p>Base/ Anhydrite 2537(+490)</p>	<p>Ls crm-tan, vfn xtl, dnse</p> <p>Sh gry</p> <p>Ls crm, fn xtl, fos-fn ool, f-gd int xtl-pp por, NS Sh blk</p> <p>Ls crm-lt gry, fn xtl, fos, p-f int xtl por, NS</p> <p>Sh blk</p>



HEEBNER 3965, INO

Sh blk

Ls crm-lt gry, fn xtl, fos, p-f int  
xtl por, NS

Sh blk

Sh/SS, gry, vfn grn, NS

Ls crm-lt gry, fn xtl, fos, f int xtl  
-pp por, NS

Ls gry, vfn xtl, dnse

Sh blk

Ls crm-tan, fn xtl, fos, chky, f  
int xtl-pp por, few pcs w/gil sin,  
NFO

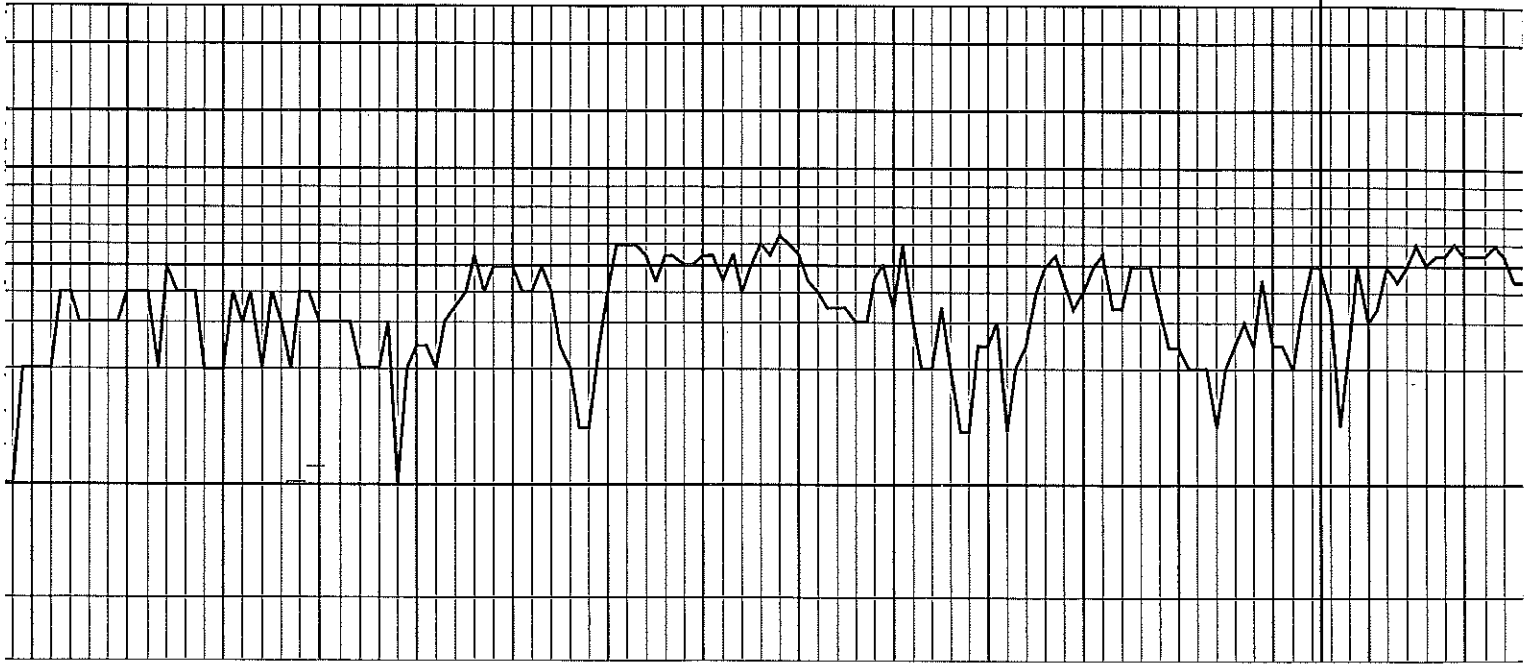
Sh gry

Ls crm-lt gry, fn xtl, fos, p-f int  
xtl por, NS

Sh blk, carb

Sh grn-gry, calc

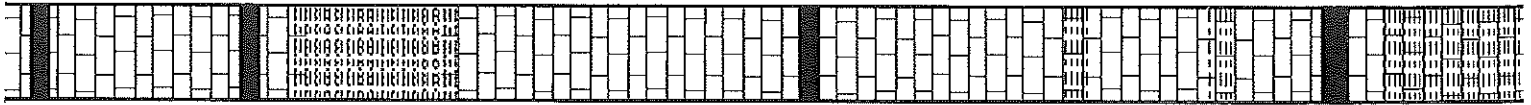
Heebner  
3965 (-938)



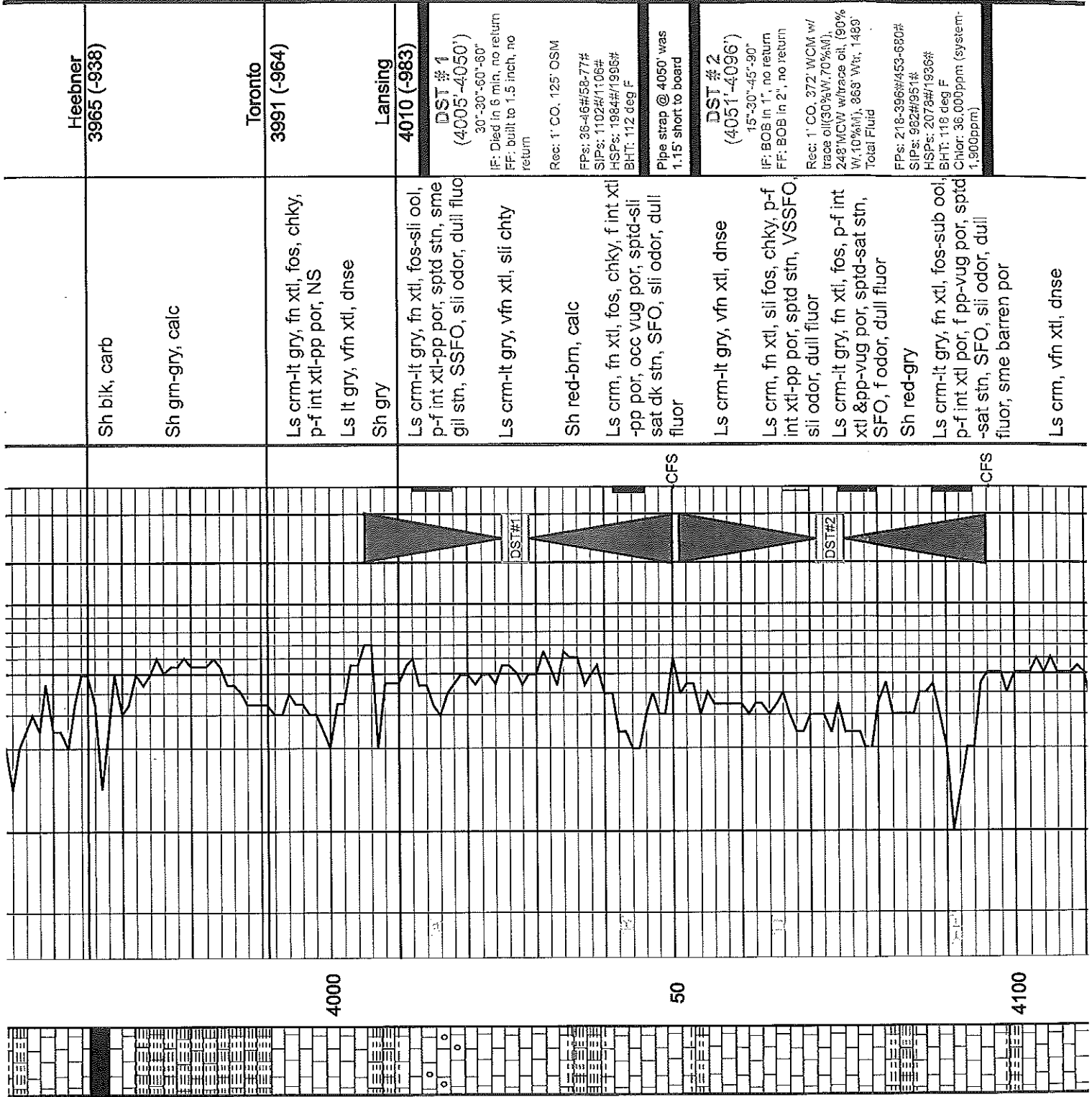
50

3900

50







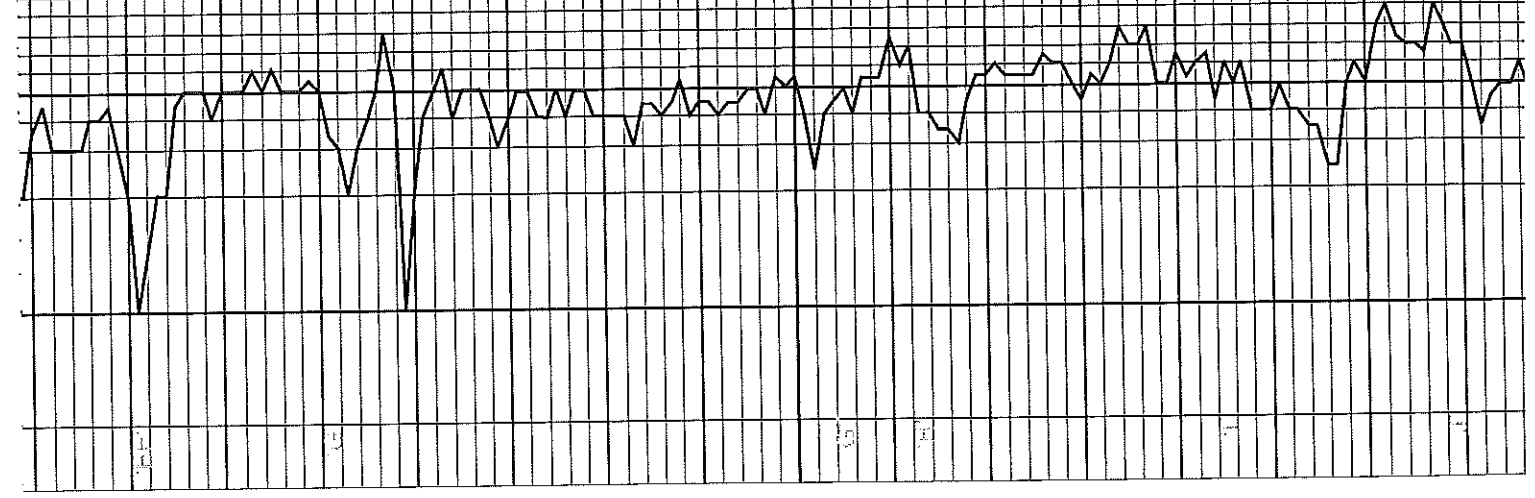
Total Fluid  
 FPS: 218-396#/453-680#  
 SIPs: 962#/951#  
 HSPs: 2072#/1936#  
 BHT: 116 deg F  
 Chlor: 96.00ppm (system-1.90ppm)

SFO, f odor, dull fluor  
 Sh red-gry  
 Ls crm-lt gry, fn xtl, fos-sub ool, p-f int xtl por, f pp-vug por, sptd-sat stn, SFO, sli odor, dull fluor, sme barren por  
 Ls crm, vfn xtl, dnse  
 Sh red-grn-gry-blk  
 Ls crm-lt gry, fn xtl, fn ool, p-f int xtl & int ool por, NS  
 Ls crm-lt gry, vfn xtl, sli fos, sli chky, dnse  
 Ls crm-lt gry, vfn xtl, sli fos, sli chky, dnse

Muncie Creek  
 4160 (-1133)

DST #3  
 (4148'-4184')  
 30"-30"-45"-90"  
 IF: BOB in 12", no return  
 FF: BOB in 8", built to 3inch.  
 Rec: 62' CO, 248' GCMWO (3%G,52%O,15%W,30%M), 196'GCMWO, (5%G,85%O,5%W,5%M), 248'GCMWO (5%G,70%O,15%W,5%M), 724' Total Fluid  
 FPS: 97-166#/209-289#  
 SIPs: 1235#/1246#  
 HSPs: 2125#/2001#  
 BHT: 120 deg F  
 Grav: .36  
 Chlor: NA

DST #4  
 (4183'-4219')  
 30"-30"-30"-30"  
 IF: Surface blow, no return  
 FF: No blow, no return  
 Rec: 10' OSM  
 FPS: 47-30#/45-92#  
 SIPs: 913#/536#  
 HSPs: 2091#/2046#  
 BHT: 110 deg F



4100  
 50  
 4200

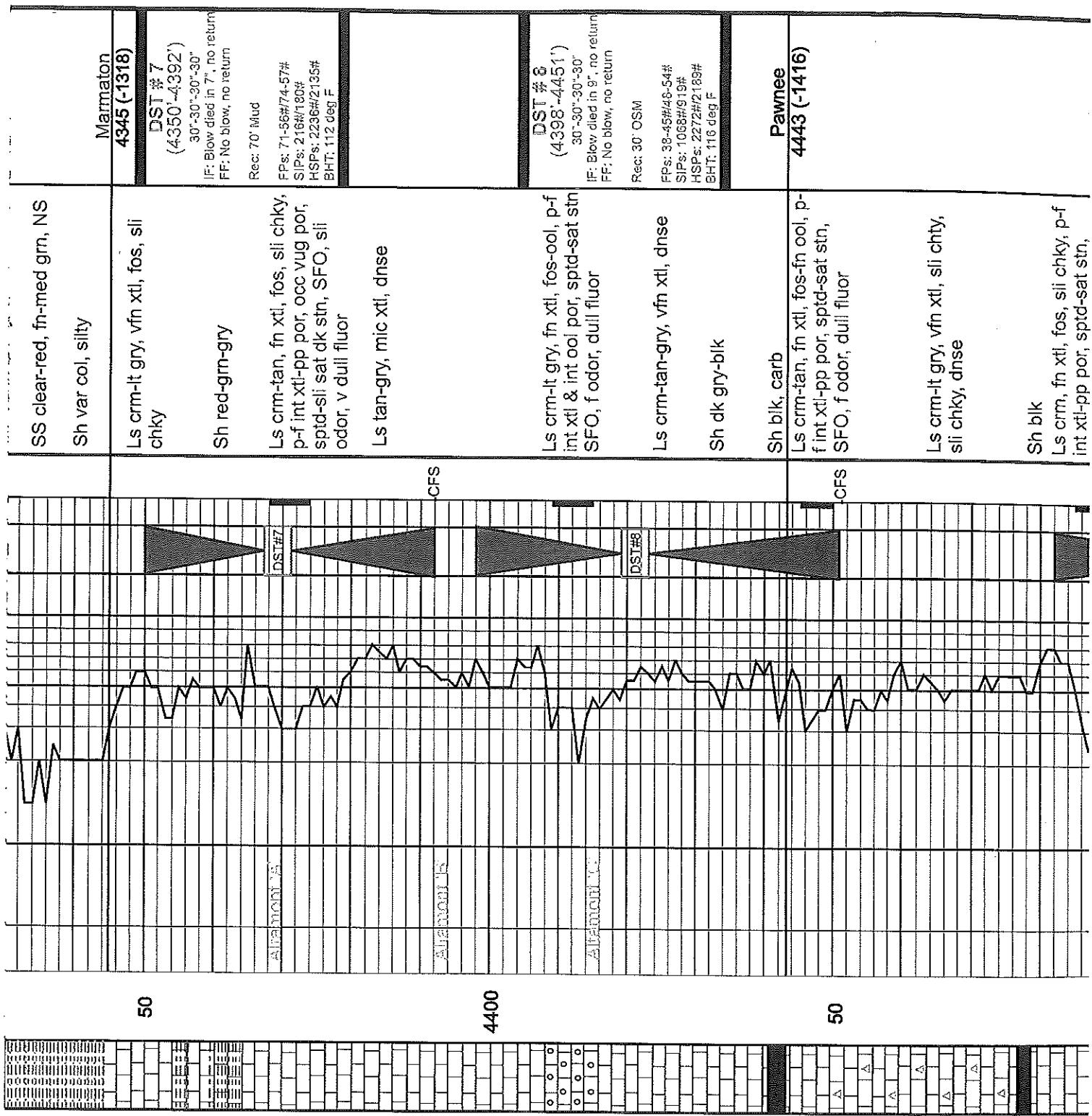
Sh red-gry  
 Ls crm-lt gry, fn xtl, fos-sub ool, p-f int xtl por, f pp-vug por, sptd-sat stn, SFO, sli odor, dull fluor, sme barren por  
 Ls crm, vfn xtl, dnse  
 Sh red-grn-gry-blk  
 Ls crm-lt gry, fn xtl, fn ool, p-f int xtl & int ool por, NS  
 Ls crm-lt gry, vfn xtl, sli fos, sli chky, dnse  
 Ls crm-lt gry, vfn xtl, sli fos, sli chky, dnse  
 Sh blk  
 Ls crm-tan-gry, fn xtl, fos, chky, p-f int xtl-pp por, sptd-sat stn, SSFO, f odor, bri fluor  
 Ls crm-lt gry, fn xtl, fos, f int xtl-pp por, few vugs, sptd-sat stn, SFO, strong odor, dull fluor  
 Ls crm-lt gry, vfn xtl, dnse  
 Sh grn-gry-blk  
 Ls tan, mic xtl, dnse  
 Ls crm-tan, vfn xtl, sli chky  
 Ls crm-lt gry, fn xtl, fos-ool, p-f int xtl-pp por, f int ool por, sptd-sat stn, SFO, f odor, dull fluor  
 Sh red-grn-gry, calc  
 Ls crm-lt gry, mic xtl, dnse  
 Ls crm-tan, fn xtl, fos-sub ool, chky. p-f int xtl & int frag por.

Grav: 36  
 Chlor: NA  
**DST #4**  
 (4183'-4219')  
 30"-30"-30"-30"  
 IF: Surface blow, no return  
 FF: No blow, no return  
 Rec: 10' OSM  
 FPS: 47-30#/45-32#  
 SIPs: 813#/536#  
 HSPs: 2091#/2046#  
 BHT: 110 deg F

Ls crm-lt gry, fn xtl, fos-ool, p-f  
 int xtl-pp por, f int ool por, sptd-  
 sat stn, SFO, f odor, dull fluor  
 CFS  
 Sh red-grm-gry, calc  
 Ls crm-lt gry, mic xtl, dnse  
 Ls crm-tan, fn xtl, fos-sub ool,  
 chky, p-f int xtl & int frag por,  
 NS  
 CFS  
**Stark**  
**4247 (-1220)**  
**DST #5**  
 (4243'-4274')  
 30"-30"-45"-60"  
 IF: Built to 1 inch, no return  
 FF: Surface blow, no return  
 Rec: 124' OSM  
 FPS: 46-41#/62-66#  
 SIPs: 1178#/1171#  
 HSPs: 2145#/1995#  
 BHT: 113 deg F

Sh blk, carb  
 Ls crm-lt gry, mic xtl, dnse  
 Ls crm, fn xtl, fos-ool, chky in  
 prt, f int xtl & int frag por, p-f  
 pp-vug por, sptd-sat lt stn, sme  
 barren, FSFO, f odor, bri fluor  
 Ls tan-brn, mic xtl, dnse  
 Sh blk, carb  
 Ls crm-lt gry, fn xtl, fos, p-f int  
 xtl-pp por, sptd stn, VSSFO, sili  
 odor, bri fluor  
 Ls crm-tan, fn xtl, fos-fn ool,  
 chky, p-f int xtl-pp por, sptd-sil  
 sat stn, SFO, sli odor, dull fluor  
 CFS  
**B/K.C.**  
**4317 (-1290)**  
**DST #6**  
 (4274'-4310')  
 30"-30"-45"-60"  
 IF: Built to 1/4 inch, no return  
 FF: Built to 1 inch, no return  
 Rec: 134' OSM  
 FPS: 63-56#/85-83#  
 SIPs: 1181#/1127#  
 HSPs: 2143#/2122#  
 BHT: 114 deg F

Sh grn-gry  
 Ls gry, vfn xtl, chty  
 Sh var col, silty  
 SS clear-red, fn-med grn, NS  
 Sh var col, silty  
 Ls crm-lt gry, vfn xtl, fos, sli  
 chky  
 Sh red-grm-gry  
 50  
 4300  
 50  
**DST #7**  
 (4350'-4392')  
 30"-30"-30"-30"  
 IF: Blow died in 7", no return  
 FF: No blow, no return



**Marmaton**  
**4345 (-1318)**

**DST #7**  
**(4350'-4392')**  
30"-30"-30"-30"  
IF: Blow died in 7", no return  
FF: No blow, no return  
Rec: 70' Mud

FPs: 71-56#/74-57#  
SIPs: 216#/180#  
HSPs: 2236#/2135#  
BHT: 112 deg F

**DST #8**  
**(4398'-4451')**  
30"-30"-30"-30"  
IF: Blow died in 9", no return  
FF: No blow, no return  
Rec: 30' OSM

FPs: 38-45#/48-54#  
SIPs: 1068#/919#  
HSPs: 2272#/2189#  
BHT: 116 deg F

**Pawnee**  
**4443 (-1416)**

SS clear-red, fn-med grn, NS  
Sh var col, silty

Ls crm-tan, fn xtl, fos, sli chky

Sh red-grn-gry

Ls crm-tan, fn xtl, fos, sli chky, p-f int xtl-pp por, occ vug por, spid-sli sat dk stn, SFO, sli odor, v dull fluor

Ls tan-gry, mic xtl, dnse

Ls crm-tan, fn xtl, fos-ool, p-f int xtl & int ool por, sptd-sat stn SFO, f odor, dull fluor

Ls crm-tan-gry, vfn xtl, dnse

Sh dk gry-blk

Sh blk, carb

Ls crm-tan, fn xtl, fos-fn ool, p-f int xtl-pp por, sptd-sat stn, SFO, f odor, dull fluor

Ls crm-tan, fn xtl, fos, sli chky, sli chky, dnse

Sh blk

Ls crm, fn xtl, fos, sli chky, p-f int xtl-pp por, sptd-sat stn,

50

4400

50

CFS

CFS

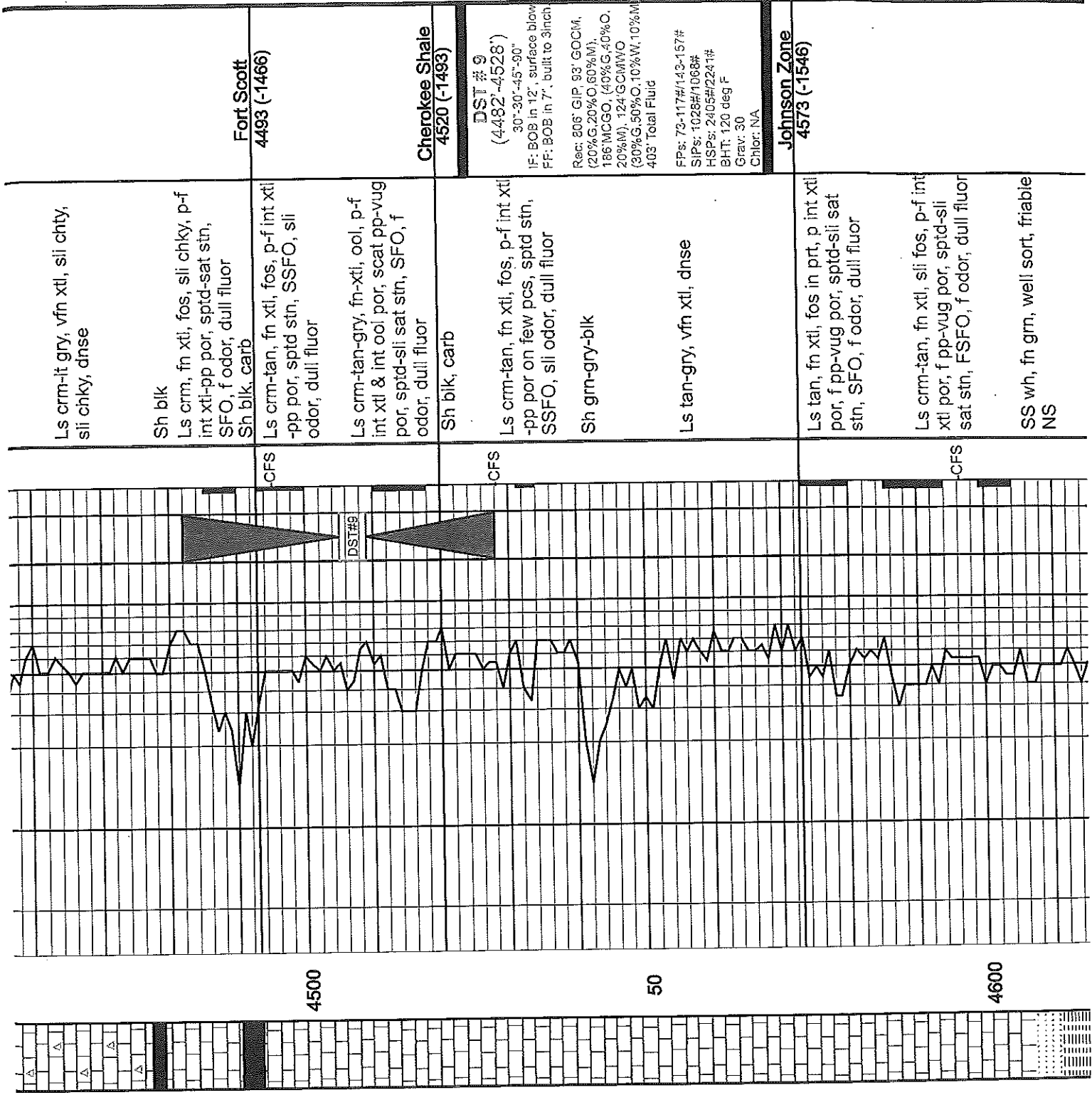
ALFANORITE

ALFANORITE

ALFANORITE

DST#7

DST#8



**Fort Scott  
4493 (-1466)**

**Cherokee Shale  
4520 (-1493)**

**Johnson Zone  
4573 (-1546)**

Ls crm-lt gry, vfn xtl, sli chty, sli chky, dnse

Sh blk

Ls crm, fn xtl, fos, sli chky, p-f int xtl-pp por, sptd-sat stn, SFO, f odor, dull fluor

Sh blk, carb

Ls crm-tan, fn xtl, fos, p-f int xtl-pp por, sptd stn, SSFO, sli odor, dull fluor

Ls crm-tan-gry, fn-xtl, ool, p-f int xtl & int ool por, scat pp-vug por, sptd-sli sat stn, SFO, f odor, dull fluor

Sh blk, carb

Ls crm-tan, fn xtl, fos, p-f int xtl-pp por on few pos, sptd stn, SSFO, sli odor, dull fluor

Sh grn-gry-blk

Ls tan-gry, vfn xtl, dnse

Ls tan, fn xtl, fos in prt, p int xtl por, f pp-vug por, sptd-sli sat stn, SFO, f odor, dull fluor

Ls crm-tan, fn xtl, sli fos, p-f int xtl por, f pp-vug por, sptd-sli sat stn, FSFO, f odor, dull fluor

SS wh, fn gm, well sort, friable NS

**DST #9  
(4482'-4528')**  
30'-30"-45"-90"  
IF: BOB in 12", surface blow  
FF: BOB in 7", built to 3inch

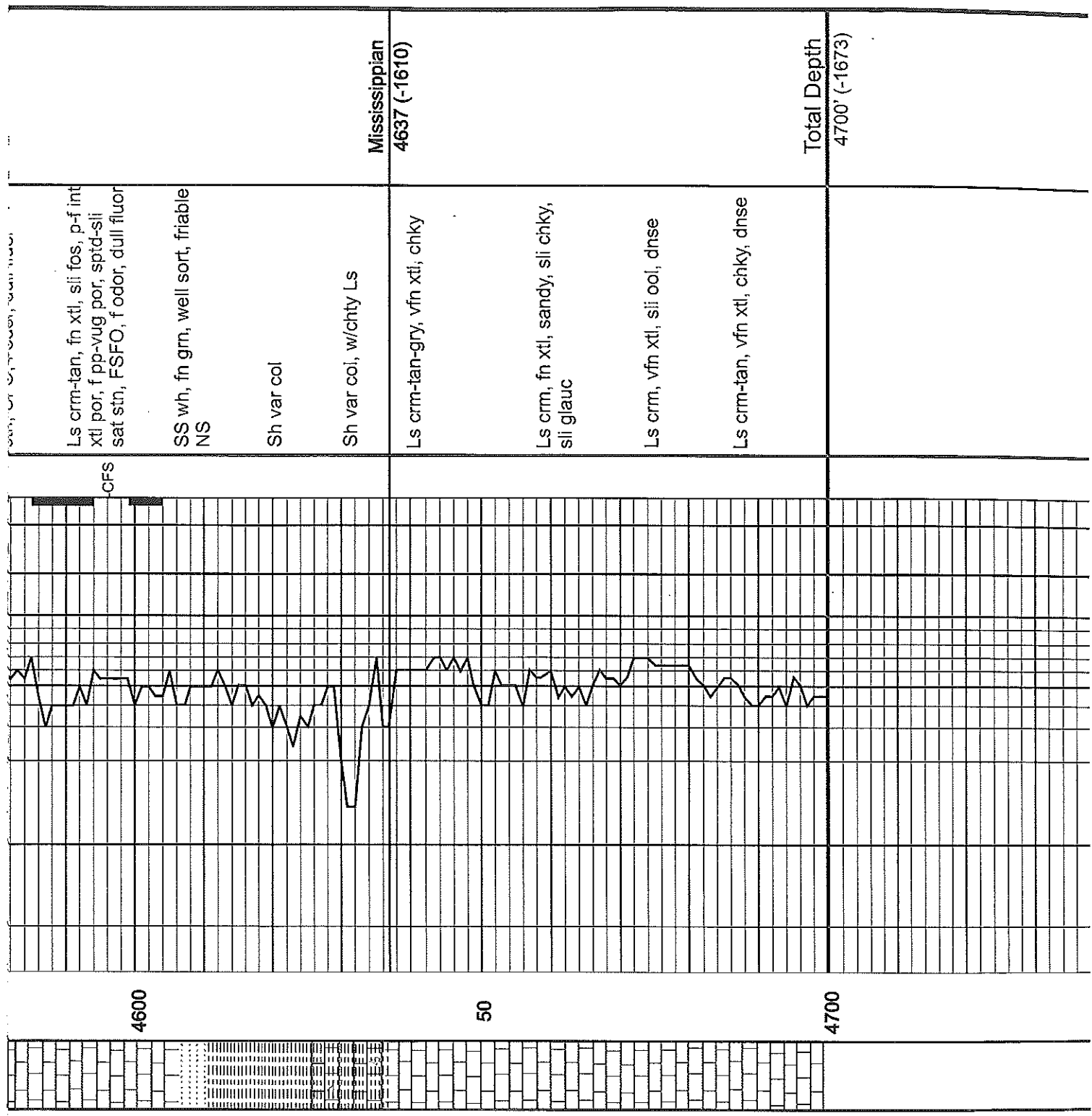
Rec: 806' GIP, 93' GOCM,  
(20%G, 20%O, 60%M),  
186' MCGO, (40%G, 40%O,  
20%M), 124' GCMWO  
(30%G, 50%O, 10%W, 10%M)  
403' Total Fluid

FPs: 73-117#/143-157#  
SIPs: 1028#/1068#  
HSPs: 2405#/2241#  
BHT: 120 deg F  
Grav: 30  
Chlor: NA

4500

50

4600



Ls crm-tan, fn xtl, sli fos, p-f int  
xtl por, f pp-vug por, sptd-sli  
sat stn, FSFO, f odor, dull fluor

SS wh, fn grm, well sort, friable  
NS

Sh var col

Sh var col, w/chty Ls

Ls crm-tan-gry, vfn xtl, chky

Ls crm, fn xtl, sandy, sli chky,  
sli glauc

Ls crm, vfn xtl, sli ool, dnse

Ls crm-tan, vfn xtl, chky, dnse

Mississippiian  
4637 (-1610)

Total Depth  
4700' (-1673)

CFS

4600

50

4700

Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Ward Loyd, Commissioner  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

December 08, 2011

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

Re: ACO1  
API 15-109-20918-00-00  
Campbell 1-17  
NW/4 Sec.17-13S-32W  
Logan County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
Donald R. Williams

Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Ward Loyd, Commissioner  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

December 08, 2011

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

Re: ACO-1  
API 15-109-20918-00-00  
Campbell 1-17  
NW/4 Sec.17-13S-32W  
Logan County, Kansas

Dear Donald R. Williams:

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

The above referenced well was spudded on 07/19/2011 and the ACO-1 was received on December 08, 2011 (not within the 120 days timely requirement).

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

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

Sincerely,

Production Department