

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 <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 TCores aken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No 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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

4738

TICKET NUMBER 49592

4646

Invoice # 806395

LOCATION Oakley, KS
FOREMAN Kelly Gabel

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
11-10-15	7251	Wilken Family Trust 1-13	13	19	35 W	Wichita KS
CUSTOMER			SCOTT CITY			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
Red Oak Energy			731	Cody		
CITY			515	Rob		
STATE						
ZIP CODE						

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 220 CASING SIZE & WEIGHT 8 5/8 24#
 CASING DEPTH 218 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 20'
 DISPLACEMENT 12 1/2 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: satay meeting, rigged up on w+w #2, mixed 165 SKS
com 3% CC 2% gel, displaced 12 1/2 bbl, shut in.

Cement did circulate

Approx 5 bbl to pit

Thank You
Kelly Gabel

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	1500.00	1500.00
CE0002	40 mi	MILEAGE	7.15	286.00
CE0711	7.26 ton	Ton mileage delivery	1.75	660.00
CC5871	165 SKS	Surface Blend II	23.00	3795.00
			Sub	6241.00
			Less 3590	2184.35
			Total	4056.65
			SALES TAX	209.68
			ESTIMATED TOTAL	4266.33

Ravin 3737

AUTHORIZATION _____

TITLE _____

DATE 11-10-15

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



CONSOLIDATED
Oil Well Services, LLC

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

4821
4728

Invoice # 806418

TICKET NUMBER 49613
LOCATION Oakley KS
FOREMAN Jerry V

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
11-19-15	7251	Wilken Family Trust 143	13	19	35W	Wichita
CUSTOMER			COUNTY			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			753	Cory D		
STATE			566	Keith C		
ZIP CODE			714			

JOB TYPE Plug HOLE SIZE 7 7/8 HOLE DEPTH 4980 CASING SIZE & WEIGHT _____
 CASING DEPTH _____ DRILL PIPE 4 1/2 TUBING _____ OTHER _____
 SLURRY WEIGHT 13.8 SLURRY VOL 1.42 WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting & rig up on WW2 plug as ordered with 300SKs
Lite weight V 1/4# flo seal
50 @ 2370'
80 @ 1290'
50 @ 600'
50 @ 270'
20 @ 60'
20 MH & 30 RH

Thank you
Jerry & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0451	1	PUMP CHARGE	1900 ⁰⁰	1900 ⁰⁰
CE0002	40	MILEAGE	7 ¹⁵	286 ⁰⁰
CE7010	12.9	ton mileage deliver	1 ¹⁵	903 ⁰⁰
CC5829	300SKs	Lite blend #	16 ⁰⁰	4800 ⁰⁰
CC6075	75 #	flo seal	2 ⁰⁰	150 ⁰⁰
CC5326	100 #	Salt	NC	NC
			subtotal	8039 ⁰⁰
			-35%	2813 ⁶⁵
			subtotal	5225 ³⁵
			SALES TAX	273.49
			ESTIMATED TOTAL	5498.84

Ravin 3737

AUTHORIZATION [Signature] TITLE _____ DATE _____

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Red Oak Energy, Inc.
 7701 E kellogg Dr Ste 710
 Wichita, Ks 67207
 ATTN: Sean Deenihan

13 19s 35w Wichita, Ks
Wilken FamTrst 1-13
 Job Ticket: 64676 **DST#: 1**
 Test Start: 2015.11.15 @ 06:38:00

GENERAL INFORMATION:

Formation: **LKC - H, I**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:42:30
 Time Test Ended: 12:26:15
 Interval: **4238.00 ft (KB) To 4306.00 ft (KB) (TVD)**
 Total Depth: 4306.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Bradley Walter
 Unit No: 69
 Reference Elevations: 3153.00 ft (KB)
 3148.00 ft (CF)
 KB to GR/CF: 5.00 ft

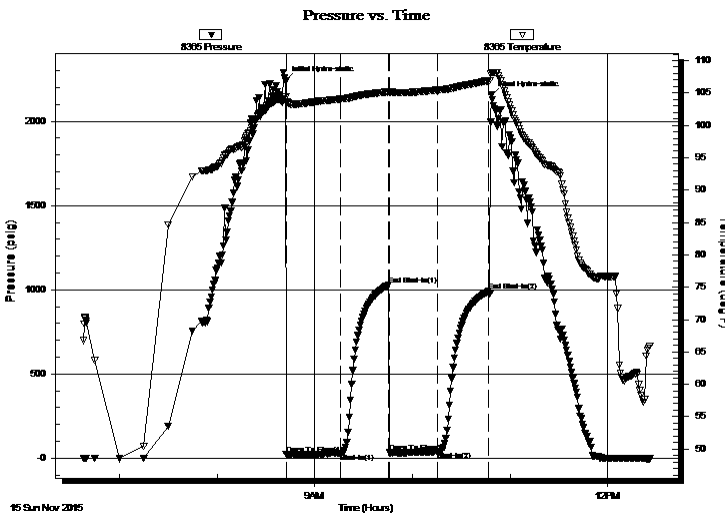
Serial #: 8365

Inside

Press @ RunDepth: 39.59 psig @ 4239.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.11.15 End Date: 2015.11.15 Last Calib.: 2015.11.15
 Start Time: 06:38:05 End Time: 12:26:14 Time On Btm: 2015.11.15 @ 08:42:15
 Time Off Btm: 2015.11.15 @ 10:48:30

TEST COMMENT: IF: 1/2" blow.
 IS: No return.
 FF: Surface blow.
 FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2239.34	104.33	Initial Hydro-static
1	21.32	103.52	Open To Flow (1)
34	28.64	104.04	Shut-In(1)
63	1027.62	105.16	End Shut-In(1)
64	32.79	105.01	Open To Flow (2)
93	39.59	105.42	Shut-In(2)
125	992.55	106.89	End Shut-In(2)
127	2154.65	108.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	socm 2o 98m	0.25
10.00	oil 100o	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Red Oak Energy, Inc.

13 19s 35w Wichita, Ks

7701 E kellogg Dr Ste 710
Wichita, Ks 67207

Wilken FamTrst 1-13

Job Ticket: 64676

DST#: 1

ATTN: Sean Deenihan

Test Start: 2015.11.15 @ 06:38:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

24 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 74.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	socm 2o 98m	0.246
10.00	oil 100o	0.049

Total Length: 60.00 ft Total Volume: 0.295 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

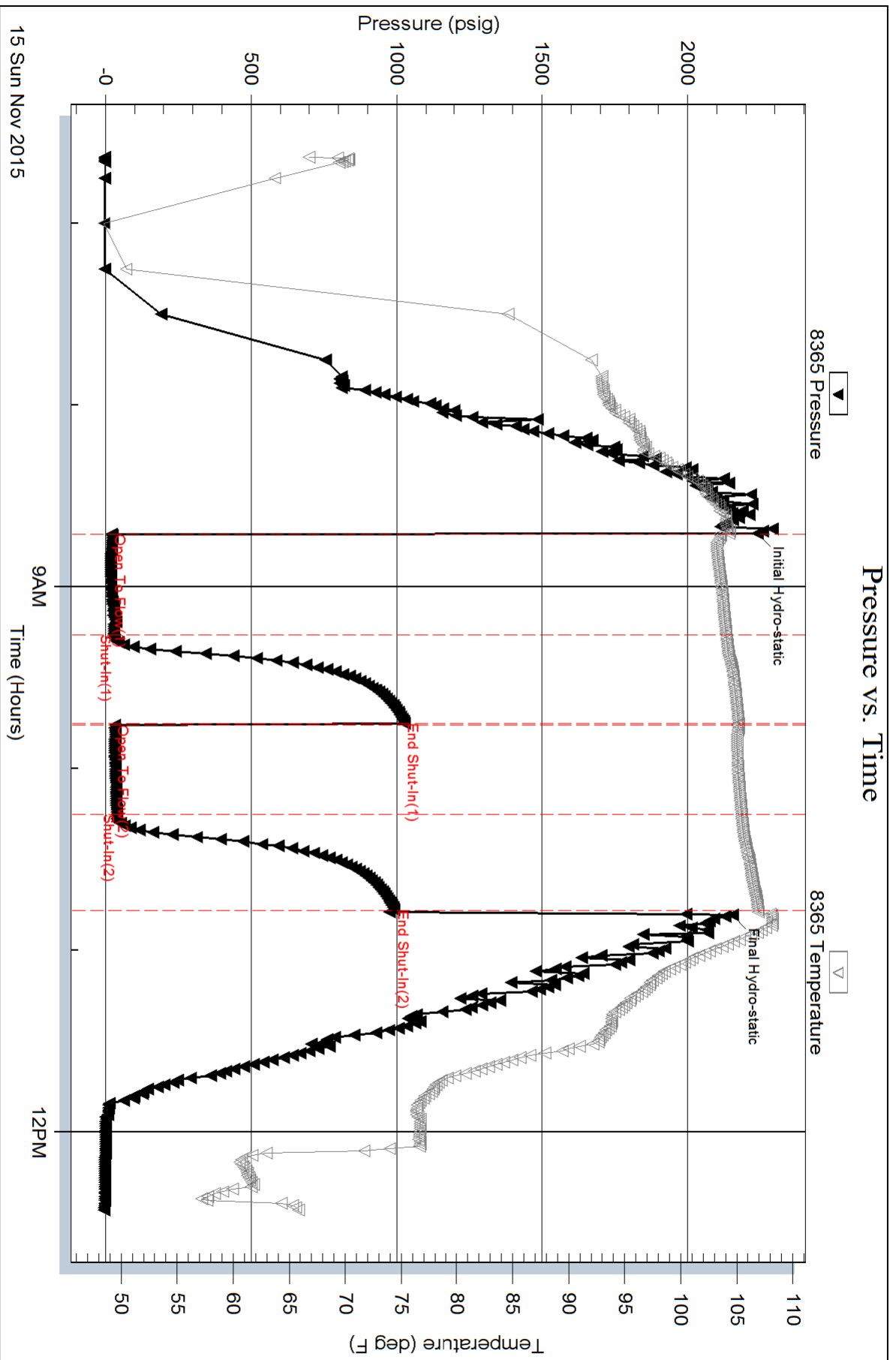
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Red Oak Energy, Inc.
 7701 E kellogg Dr Ste 710
 Wichita, Ks 67207
 ATTN: Sean Deenihan

13 19s 35w Wichita, Ks
Wilken FamTrst 1-13
 Job Ticket: 64677 **DST#: 2**
 Test Start: 2015.11.15 @ 18:55:00

GENERAL INFORMATION:

Formation: **LKC - J+K**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 20:57:00 Tester: Bradley Walter
 Time Test Ended: 00:54:00 Unit No: 69
 Interval: **4301.00 ft (KB) To 4364.00 ft (KB) (TVD)** Reference Elevations: 3153.00 ft (KB)
 Total Depth: 4364.00 ft (KB) (TVD) 3148.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

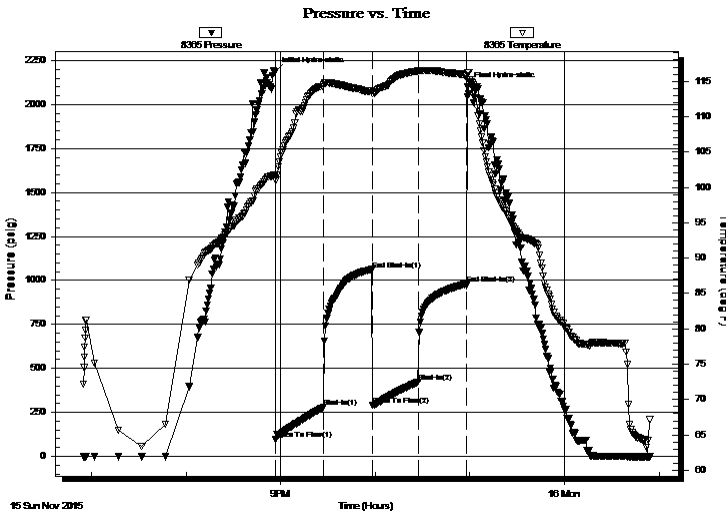
Serial #: 8365

Inside

Press @ Run Depth: 422.16 psig @ 4302.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.11.15 End Date: 2015.11.16 Last Calib.: 2015.11.16
 Start Time: 18:55:05 End Time: 00:53:59 Time On Btm: 2015.11.15 @ 20:56:45
 Time Off Btm: 2015.11.15 @ 22:58:45

TEST COMMENT: IF: BOB @ 5 min.
 IS: No return.
 FF: BOB @ 10 min.
 FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2185.54	101.80	Initial Hydro-static
1	98.93	100.98	Open To Flow (1)
31	280.52	114.53	Shut-In(1)
62	1062.76	113.61	End Shut-In(1)
62	291.26	113.28	Open To Flow (2)
91	422.16	116.45	Shut-In(2)
121	979.61	115.72	End Shut-In(2)
122	2102.37	116.23	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
960.00	mcw 15m 85w (oil spots)	12.39

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Red Oak Energy, Inc.

13 19s 35w Wichita, Ks

7701 E kellogg Dr Ste 710
Wichita, Ks 67207

Wilken FamTrst 1-13

Job Ticket: 64677

DST#: 2

ATTN: Sean Deenihan

Test Start: 2015.11.15 @ 18:55:00

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:

33000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6400.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
960.00	mcw 15m 85w (oil spots)	12.391

Total Length: 960.00 ft Total Volume: 12.391 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

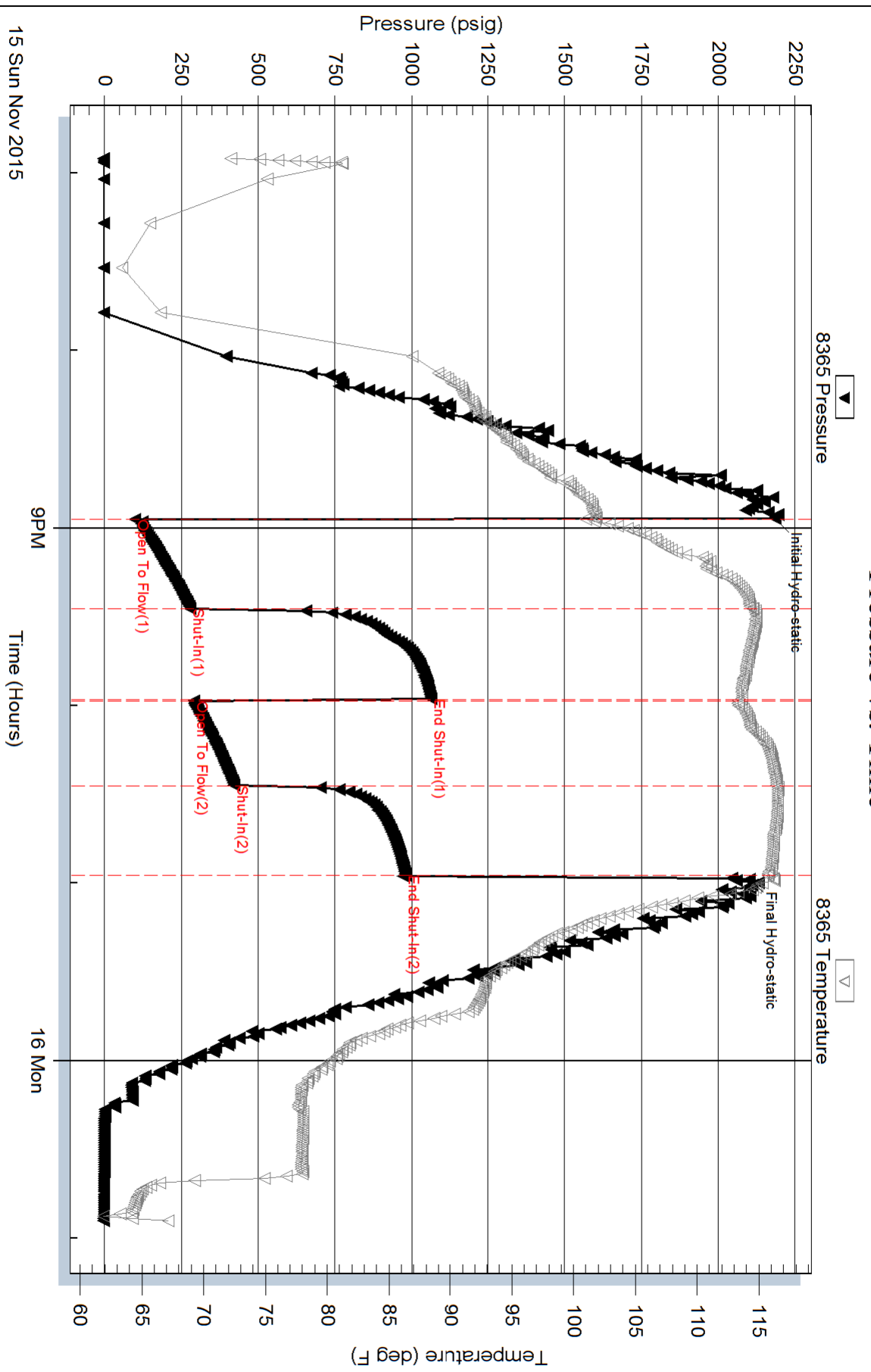
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .250 @ 61F = 33,000ppm

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Red Oak Energy, Inc.
7701 E kellogg Dr Ste 710
Wichita, Ks 67207
ATTN: Sean Deenihan

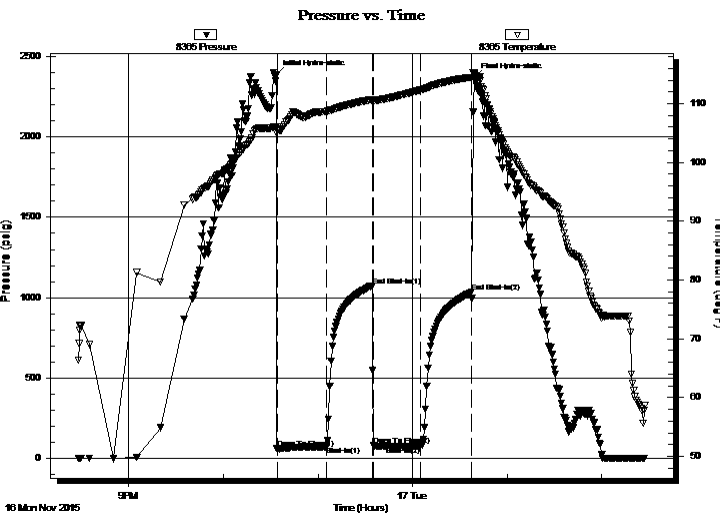
13 19s 35w Wichita, Ks
Wilken FamTrst 1-13
Job Ticket: 64678 **DST#: 3**
Test Start: 2015.11.16 @ 20:28:00

GENERAL INFORMATION:

Formation: **Marmaton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:34:00
Time Test Ended: 02:27:13
Interval: **4534.00 ft (KB) To 4566.00 ft (KB) (TVD)**
Total Depth: 4566.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Bradley Walter
Unit No: 69
Reference Elevations: 3153.00 ft (KB)
3148.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8365 Inside
Press @ RunDepth: 77.97 psig @ 4535.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.11.16 End Date: 2015.11.17 Last Calib.: 2015.11.17
Start Time: 20:28:05 End Time: 02:27:13 Time On Btm: 2015.11.16 @ 22:33:30
Time Off Btm: 2015.11.17 @ 00:39:15

TEST COMMENT: IF: 1/2" blow .
IS: No return.
FF: Surface blow .
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2384.42	106.11	Initial Hydro-static
1	62.88	105.40	Open To Flow (1)
32	73.17	108.68	Shut-In(1)
61	1074.83	110.70	End Shut-In(1)
62	79.72	110.54	Open To Flow (2)
92	77.97	112.33	Shut-In(2)
124	1033.20	114.48	End Shut-In(2)
126	2371.18	115.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
135.00	mud 100m THICK (oil speks)	0.82

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Red Oak Energy, Inc.

13 19s 35w Wichita, Ks

7701 E kellogg Dr Ste 710
Wichita, Ks 67207

Wilken FamTrst 1-13

Job Ticket: 64678

DST#: 3

ATTN: Sean Deenihan

Test Start: 2015.11.16 @ 20:28:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 74.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
135.00	mud 100m THICK (oil speks)	0.819

Total Length: 135.00 ft Total Volume: 0.819 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

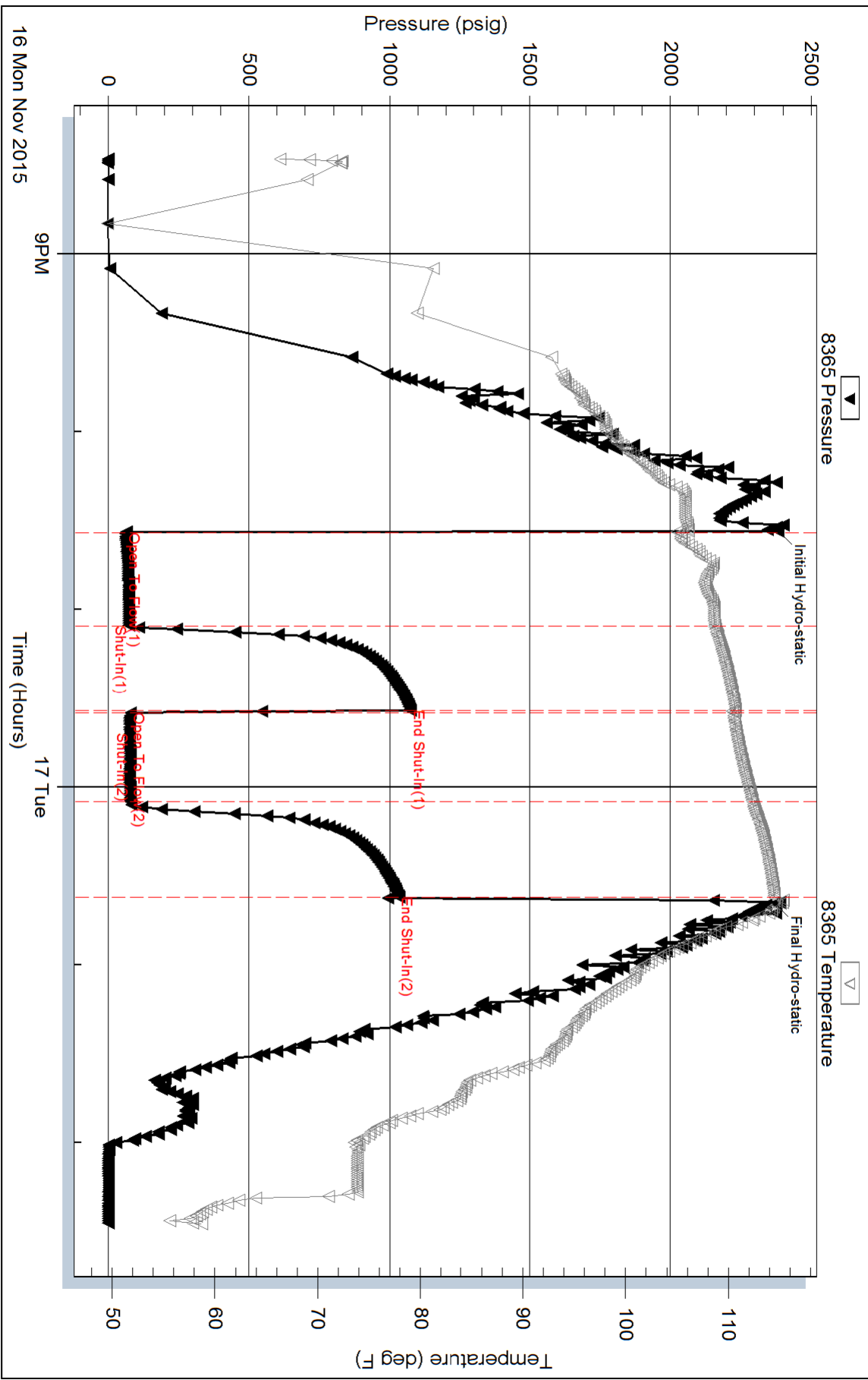
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Red Oak Energy, Inc.
 7701 E kellogg Dr Ste 710
 Wichita, Ks 67207
 ATTN: Sean Deenihan

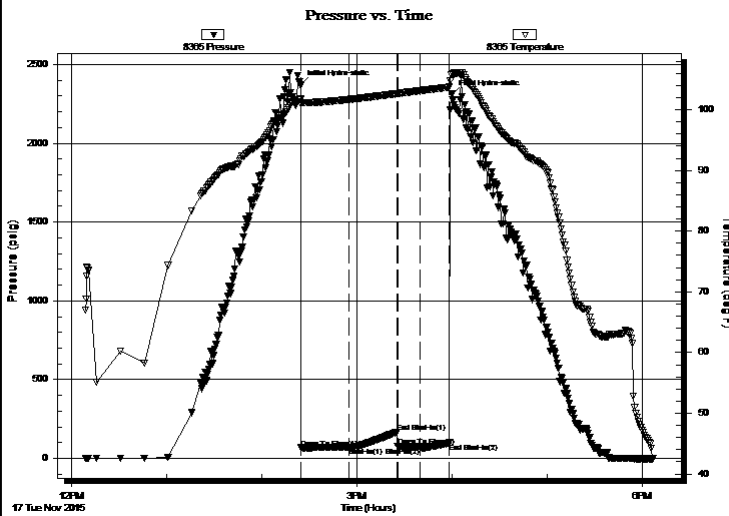
13 19s 35w Wichita, Ks
Wilken FamTrst 1-13
 Job Ticket: 64679 **DST#: 4**
 Test Start: 2015.11.17 @ 12:09:00

GENERAL INFORMATION:

Formation: **Pawnee**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:25:00
 Time Test Ended: 18:06:30
 Interval: **4556.00 ft (KB) To 4620.00 ft (KB) (TVD)**
 Total Depth: 4620.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Bradley Walter
 Unit No: 69
 Reference Elevations: 3153.00 ft (KB)
 3148.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8365 Inside
 Press@RunDepth: 73.28 psig @ 4557.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.11.17 End Date: 2015.11.17 Last Calib.: 2015.11.17
 Start Time: 12:09:05 End Time: 18:06:29 Time On Btm: 2015.11.17 @ 14:24:30
 Time Off Btm: 2015.11.17 @ 15:59:45

TEST COMMENT: IF: 1/2" died @ 20 min.
 IS: No return.
 FF: No blow.
 FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2369.81	101.72	Initial Hydro-static
1	67.41	100.98	Open To Flow (1)
31	69.57	101.69	Shut-In(1)
61	168.05	102.63	End Shut-In(1)
62	75.31	102.65	Open To Flow (2)
76	73.28	103.12	Shut-In(2)
94	99.04	103.71	End Shut-In(2)
96	2311.08	105.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
75.00	mud 100m	0.37

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Red Oak Energy, Inc.

13 19s 35w Wichita, Ks

7701 E kellogg Dr Ste 710
Wichita, Ks 67207

Wilken FamTrst 1-13

Job Ticket: 64679

DST#: 4

ATTN: Sean Deenihan

Test Start: 2015.11.17 @ 12:09:00

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: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
75.00	mud 100m	0.369

Total Length: 75.00 ft Total Volume: 0.369 bbl

Num Fluid Samples: 0

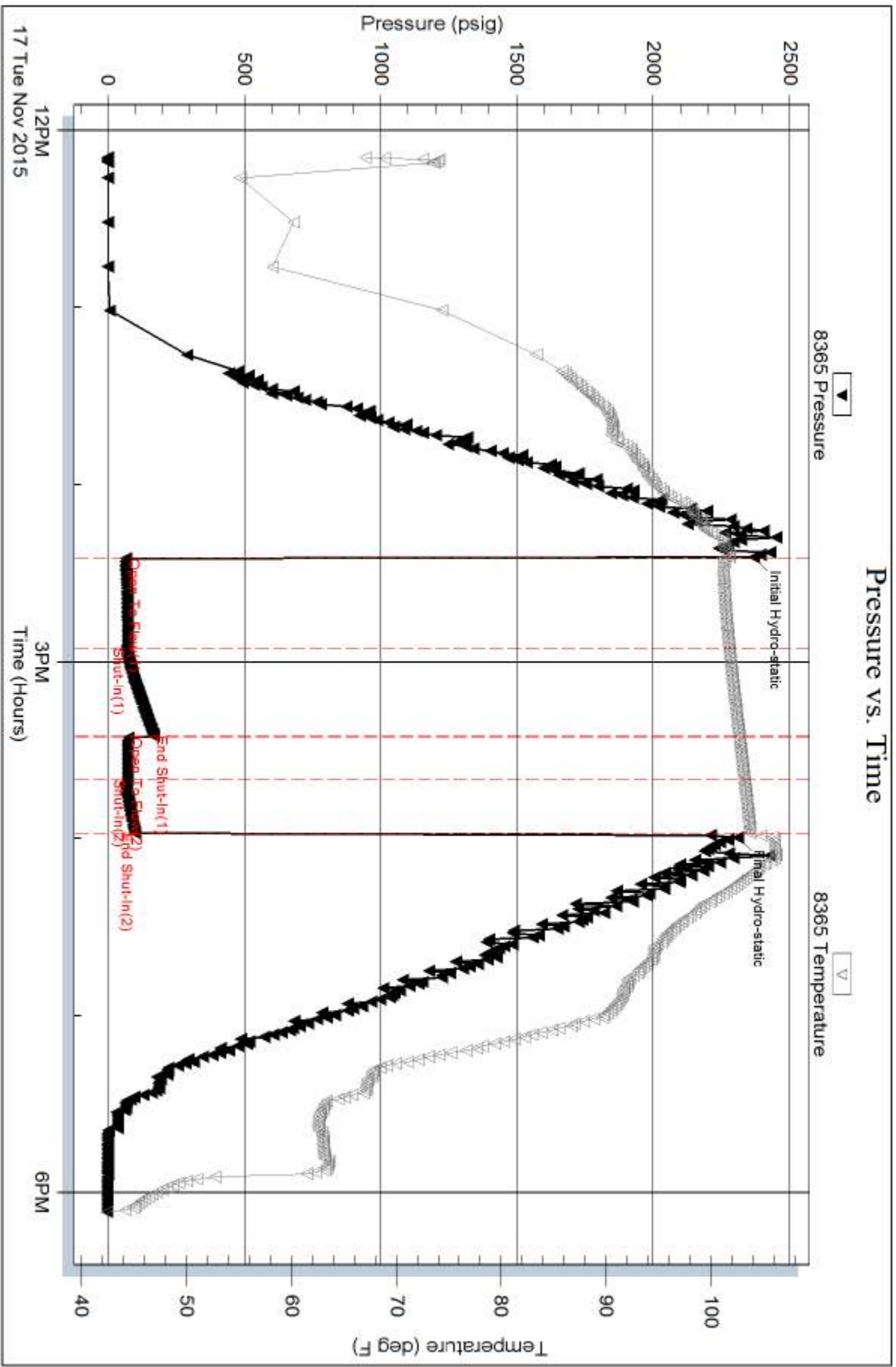
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Red Oak Energy, Inc.
 7701 E kellogg Dr Ste 710
 Wichita, Ks 67207
 ATTN: Sean Deenihan

13 19s 35w Wichita, Ks
Wilken FamTrst 1-13
 Job Ticket: 64680 **DST#: 5**
 Test Start: 2015.11.19 @ 06:42:00

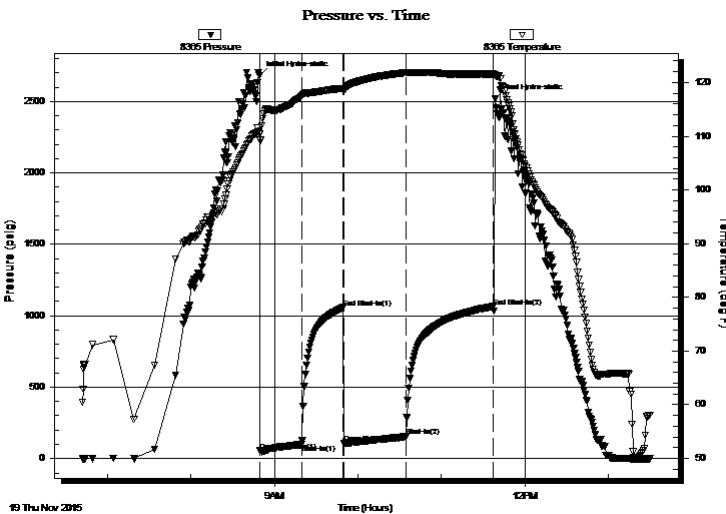
GENERAL INFORMATION:

Formation: **Keys Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:49:45
 Time Test Ended: 13:30:00
 Interval: **4894.00 ft (KB) To 4980.00 ft (KB) (TVD)**
 Total Depth: 4980.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Bradley Walter
 Unit No: 69
 Reference Elevations: 3153.00 ft (KB)
 3148.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8365 Inside
 Press@RunDepth: 153.59 psig @ 4895.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.11.19 End Date: 2015.11.19 Last Calib.: 2015.11.19
 Start Time: 06:42:05 End Time: 13:29:59 Time On Btm: 2015.11.19 @ 08:49:15
 Time Off Btm: 2015.11.19 @ 11:38:45

TEST COMMENT: IF: 4 1/2" Blow.
 IS: No return.
 FF: 5" blow.
 FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2681.65	110.39	Initial Hydro-static
1	53.87	109.33	Open To Flow (1)
31	100.17	117.52	Shut-In(1)
60	1057.08	118.88	End Shut-In(1)
61	109.26	118.73	Open To Flow (2)
105	153.59	121.80	Shut-In(2)
168	1064.71	121.54	End Shut-In(2)
170	2517.02	121.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
260.00	mcw 20m 80 w	2.57

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Red Oak Energy, Inc.

13 19s 35w Wichita, Ks

7701 E kellogg Dr Ste 710
Wichita, Ks 67207

Wilken FamTrst 1-13

Job Ticket: 64680

DST#: 5

ATTN: Sean Deenihan

Test Start: 2015.11.19 @ 06:42:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

32000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
260.00	mcw 20m 80 w	2.572

Total Length: 260.00 ft Total Volume: 2.572 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .270 @ 55f = 32000ppm

