



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: _____



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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ALLIED OIL & GAS SERVICES, LLC 053670

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Great Bend, KS

DATE <u>11-9-12</u>	SEC <u>30</u>	TWP <u>11</u>	RANGE <u>23</u>	CALLED OUT	ON LOCATION	JOB START <u>Di. Pp. 7:00</u>	JOB FINISH <u>7:00</u>
LEASE <u>Fraser-Kittaka Unit</u>	WELL # <u>1-30</u>	LOCATION <u>Wash City, KS North to Landfill, 3/4 West, North into</u>			COUNTY <u>Wess</u>	STATE <u>KS</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)						<u>1.01</u>	<u>6.3</u>

CONTRACTOR Pickrell Rig #1

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 229

CASING SIZE 8 1/2 DEPTH 229

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15 ft.

PERFS.

DISPLACEMENT 13.63 bbl.

OWNER Red Oak Energy

CEMENT AMOUNT ORDERED 150 sacks, CS 99% A

30% CC 2% gel

COMMON	<u>150</u>	@ <u>16.25</u>	<u>2,437.50</u>
POZMIX		@	
GEL	<u>3</u>	@ <u>21.25</u>	<u>63.75</u>
CHLORIDE	<u>5</u>	@ <u>58.20</u>	<u>291.00</u>
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>162.09</u>	@ <u>2.10</u>	<u>340.38</u>
MILEAGE	<u>7.4 x 10x</u>	<u>2.35</u>	<u>173.90</u>
	<u>74.00</u>		
TOTAL			<u>3,306.53</u>

EQUIPMENT

PUMP TRUCK CEMENTER Greg R

306 HELPER Kevin E

BULK TRUCK DRIVER Joel W

341 DRIVER

BULK TRUCK DRIVER

REMARKS:
Pipe on bottom, Circ. CSA w/
150 sacks, hook up cement pump
150 gals (class A 30% cc)
2% gel Displ 50 w/ 13.63 DBL
fresh water, cement did
circulate
Start 12
11/9/12 @ 6:45 pm

CHARGE TO: Red Oak Energy

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB	<u>229</u>	<u>125.00</u>	
PUMP TRUCK CHARGE		<u>1125.00</u>	
EXTRA FOOTAGE		@	
MILEAGE	<u>Hum 10</u>	@ <u>7.00</u>	<u>70.00</u>
MANIFOLD		@	
	<u>Lvm 10</u>	@ <u>4.00</u>	<u>40.00</u>
		@	
TOTAL			<u>1235.00</u>

PLUG & FLOAT EQUIPMENT

	@		
	@		
	@		
	@		
	@		
TOTAL			

To: Allied Oil & Gas Services, 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 * Mike Kern

SIGNATURE * Mike Kern

Thank You!

SALES TAX (If Any)	<u>175.91</u>	
TOTAL CHARGES	<u>4,541.53</u>	
DISCOUNT	<u>20.20</u>	<u>908.30</u>
	<u>3,633.22</u>	IF PAID IN 30 DAYS

debby.rogers@iro.com

ALLIED OIL & GAS SERVICES, LLC

Federal Tax I.D.# 20-5975804

053678

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

SERVICE POINT:
Great Bend, KS

DATE 7-18-12 SEC 30 TWP 17 RANGE 23
LEASE 51746 WELL # 1-30 LOCATION Jess City, KS North to
LAND OR (NEW (circle one)) Landfill, 1/2 West, North into 1.03
JOB START 8:30 AM JOB FINISH 4:30 PM
COUNTY DeSoto STATE KS

CONTRACTOR D'Sprell Rig #1 OWNER Red Oak Energy

TYPE OF JOB Rotary Plug
HOLE SIZE 17 1/2" T.D. 4570
CASING SIZE DEPTH
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG.
PERFS.
DISPLACEMENT

COMMON	132	@ 16.25	2145. ⁰⁰
POZMIX	88	@ 8.50	748. ⁰⁰
GEL	8	@ 21.25	170. ⁰⁰
CHLORIDE		@	
ASC		@	
	Flaseal	55 @ 2.70	148. ⁵⁰

CEMENT
AMOUNT ORDERED 240.00 at 60.40 per
1/4 gal 1/4 # Flaseal

EQUIPMENT
PUMP TRUCK CEMENTER Great Bend
366 HELPER Revie
BULK TRUCK Paulie M
244/170 DRIVER
BULK TRUCK DRIVER

REMARKS:
1st plug mix 505K @ 1740 ft.
2nd plug mix 505K @ 1030 ft.
3rd plug mix 505K @ 760 ft.
4th plug mix 505K @ 60 ft.
MIX 505K @ 1740 ft.
MIX 505K @ Mouthole
Hole plugged @ 4-15 AM

HANDLING	236	@ 2.10	495. ⁰⁰
MILEAGE	9.88 x 7 x 6	2.85	142. ⁵²
	69.15	TOTAL	3869. ⁶²

DEPTH OF JOB
PUMP TRUCK CHARGE 1250.⁰⁰
EXTRA FOOTAGE
MILEAGE Hum 7 @ 7.00 49.⁰⁰
MANIFOLD hum 7 @ 9.00 28.⁰⁰

CHARGE TO: Red Oak Energy
STREET _____ STATE _____ ZIP _____

TOTAL 1327.⁰⁰

PLUG & FLOAT EQUIPMENT

SALES TAX (If Any)	327. ³⁸
TOTAL CHARGES	5196. ⁶²
DISCOUNT	1299. ¹⁸
TOTAL	3897. ⁴⁴

To: Allied Oil & Gas Services, 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 * Mike Korb
SIGNATURE * Mike Korb

IF PAID IN 30 DAYS



DRILL STEM TEST REPORT

Prepared For: **Red Oak Energy, Inc**

PO Box 783140
Wichita, KS 67207

ATTN: Sean Deenihan

Frank/Klitzke #1-30

30-17s-23w Ness,KS

Start Date: 2012.07.15 @ 10:44:44

End Date: 2012.07.15 @ 16:15:14

Job Ticket #: 47418 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.07.25 @ 10:01:53

Red Oak Energy, Inc

30-17s-23w Ness,KS

Frank/Klitzke #1-30

DST # 1

Cherokee Sand

2012.07.15



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Red Oak Energy, Inc

30-17s-23w Ness, KS

PO Box 783140
Wichita, KS 67207

Frank/Klitzke #1-30

ATTN: Sean Deenihan

Job Ticket: 47418

DST#: 1

Test Start: 2012.07.15 @ 10:44:44

GENERAL INFORMATION:

Formation: **Cherokee Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:34:44

Time Test Ended: 16:15:14

Test Type: Conventional Bottom Hole (Initial)

Tester: Brian Fairbank

Unit No: 41

Interval: 4390.00 ft (KB) To 4450.00 ft (KB) (TVD)

Reference Elevations: 2426.00 ft (KB)

Total Depth: 4450.00 ft (KB) (TVD)

2419.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

Serial #: 6752

Inside

Press @ Run Depth: 42.85 psig @ 4399.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.07.15

End Date:

2012.07.15

Last Calib.:

2012.07.15

Start Time: 10:44:45

End Time:

16:15:14

Time On Btm:

2012.07.15 @ 12:33:14

Time Off Btm:

2012.07.15 @ 14:22:44

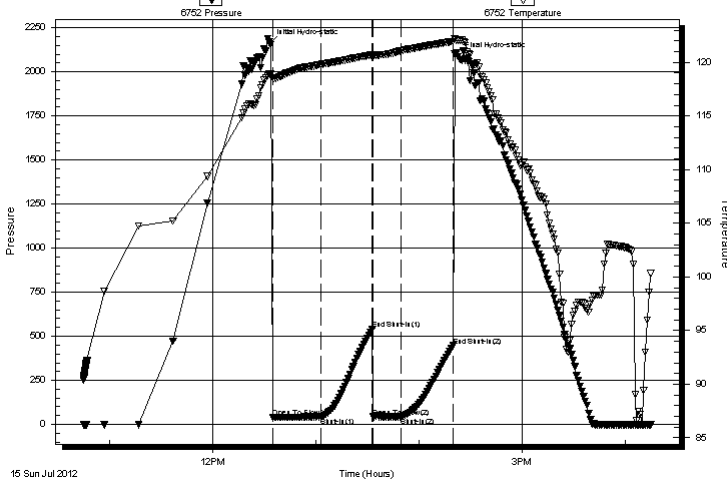
TEST COMMENT: IFP - sur blow - died 17 min

ISI - no blow back

FFP - no blow

FSI - no blow back

Pressure vs. Time



PRESSURE SUMMARY

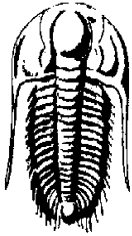
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2162.24	118.91	Initial Hydro-static
2	39.11	118.55	Open To Flow (1)
30	42.38	119.81	Shut-In(1)
60	539.55	120.70	End Shut-In(1)
60	42.69	120.52	Open To Flow (2)
76	42.85	121.05	Shut-In(2)
107	446.59	121.95	End Shut-In(2)
110	2084.97	122.04	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	VSOCM 2%O, 98%M	0.01

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Red Oak Energy, Inc

30-17s-23w Ness, KS

PO Box 783140
Wichita, KS 67207

Frank/Klitzke #1-30

Job Ticket: 47418 **DST#: 1**

ATTN: Sean Deenihan

Test Start: 2012.07.15 @ 10:44:44

GENERAL INFORMATION:

Formation: **Cherokee Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:34:44

Time Test Ended: 16:15:14

Test Type: Conventional Bottom Hole (Initial)

Tester: Brian Fairbank

Unit No: 41

Interval: 4390.00 ft (KB) To 4450.00 ft (KB) (TVD)

Reference Elevations: 2426.00 ft (KB)

Total Depth: 4450.00 ft (KB) (TVD)

2419.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

Serial #: 6741 Outside

Press @ RunDepth: psig @ 4399.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.07.15 End Date: 2012.07.15

Last Calib.: 2012.07.15

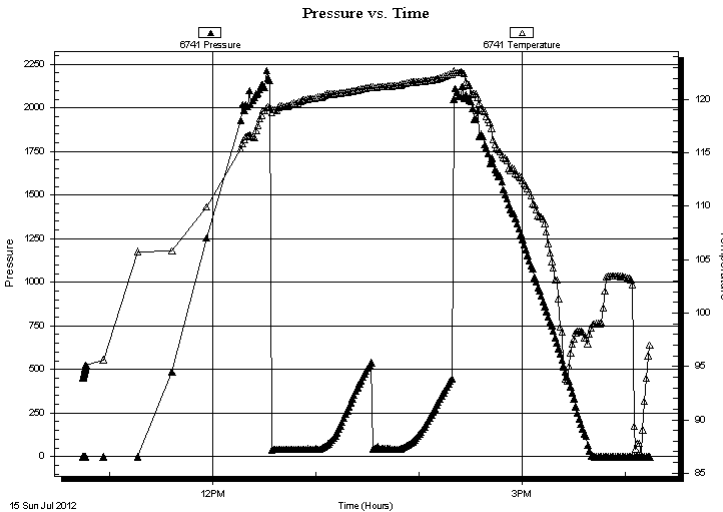
Start Time: 10:44:23 End Time: 16:14:52

Time On Btm:

Time Off Btm:

TEST COMMENT: IFP - sur blow - died 17 min
ISI - no blow back
FFP - no blow
FSI - no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
3.00	V SOCM 2%O, 98%M	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Red Oak Energy, Inc

30-17s-23w Ness, KS

PO Box 783140
Wichita, KS 67207

Frank/Klitzke #1-30

Job Ticket: 47418

DST#: 1

ATTN: Sean Deenihan

Test Start: 2012.07.15 @ 10:44:44

Tool Information

Drill Pipe:	Length: 4260.00 ft	Diameter: 3.80 inches	Volume: 59.76 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 60.36 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 84000.00 lb
Depth to Top Packer:	4390.00 ft			Final 84000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	87.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			4368.00	
Hydraulic tool	5.00			4373.00	
Jars	5.00			4378.00	
Safety Joint	2.00			4380.00	
Packer	5.00			4385.00	27.00 Bottom Of Top Packer
Packer	5.00			4390.00	
Stubb	1.00			4391.00	
Perforations	7.00			4398.00	
Change Over Sub	1.00			4399.00	
Recorder	0.00	6752	Inside	4399.00	
Recorder	0.00	6741	Outside	4399.00	
Blank Spacing	32.00			4431.00	
Change Over Sub	1.00			4432.00	
Perforations	15.00			4447.00	
Bullnose	3.00			4450.00	60.00 Bottom Packers & Anchor

Total Tool Length: 87.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Red Oak Energy, Inc

30-17s-23w Ness, KS

PO Box 783140
Wichita, KS 67207

Frank/Klitzke #1-30

Job Ticket: 47418

DST#: 1

ATTN: Sean Deenihan

Test Start: 2012.07.15 @ 10:44:44

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: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 13.16 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	VSOCM 2%O, 98%M	0.015

Total Length: 3.00 ft Total Volume: 0.015 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

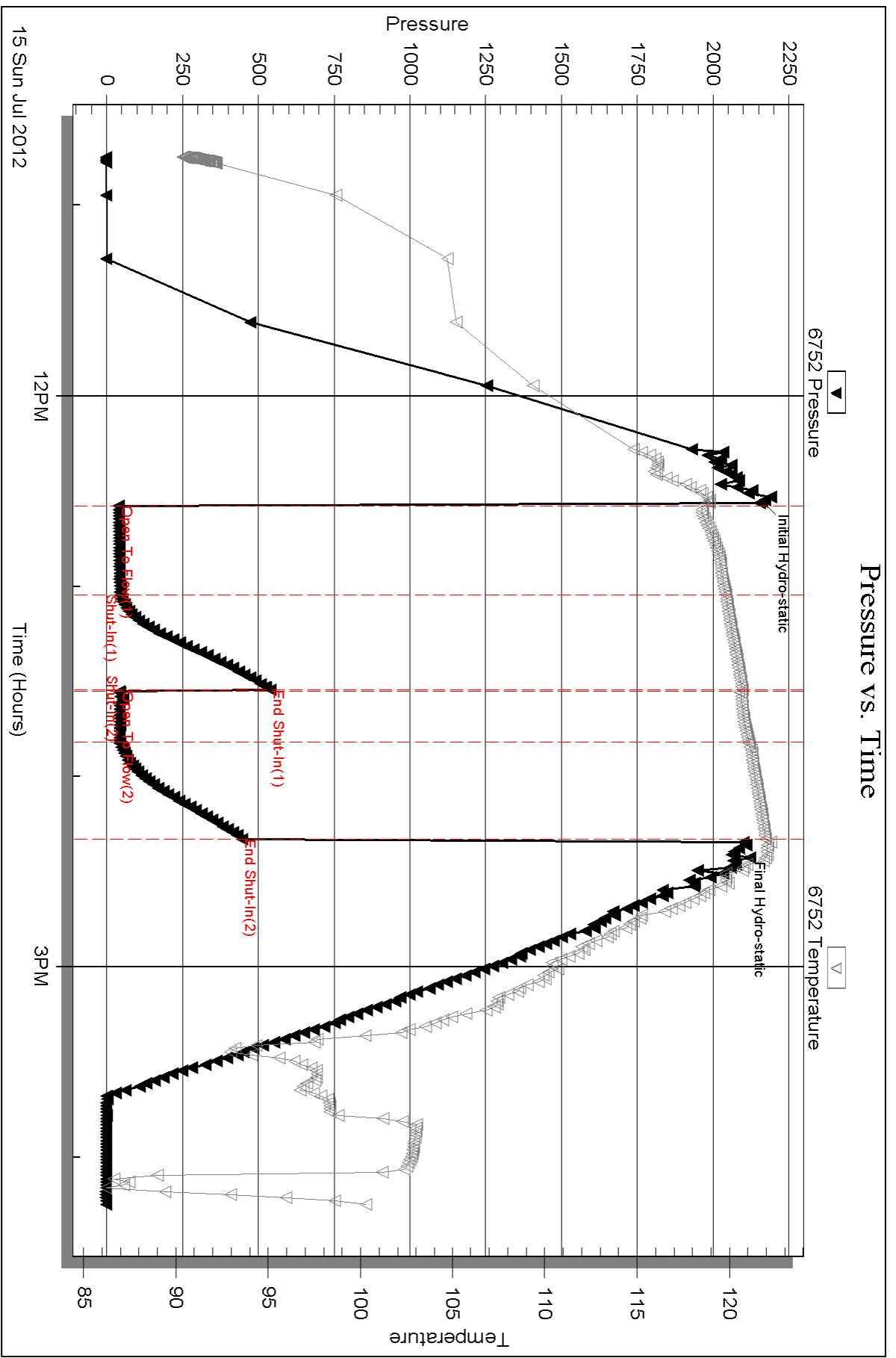
Serial #: 6752

Inside

Red Oak Energy, Inc

Frank/Kitzke #1-30

DST Test Number: 1

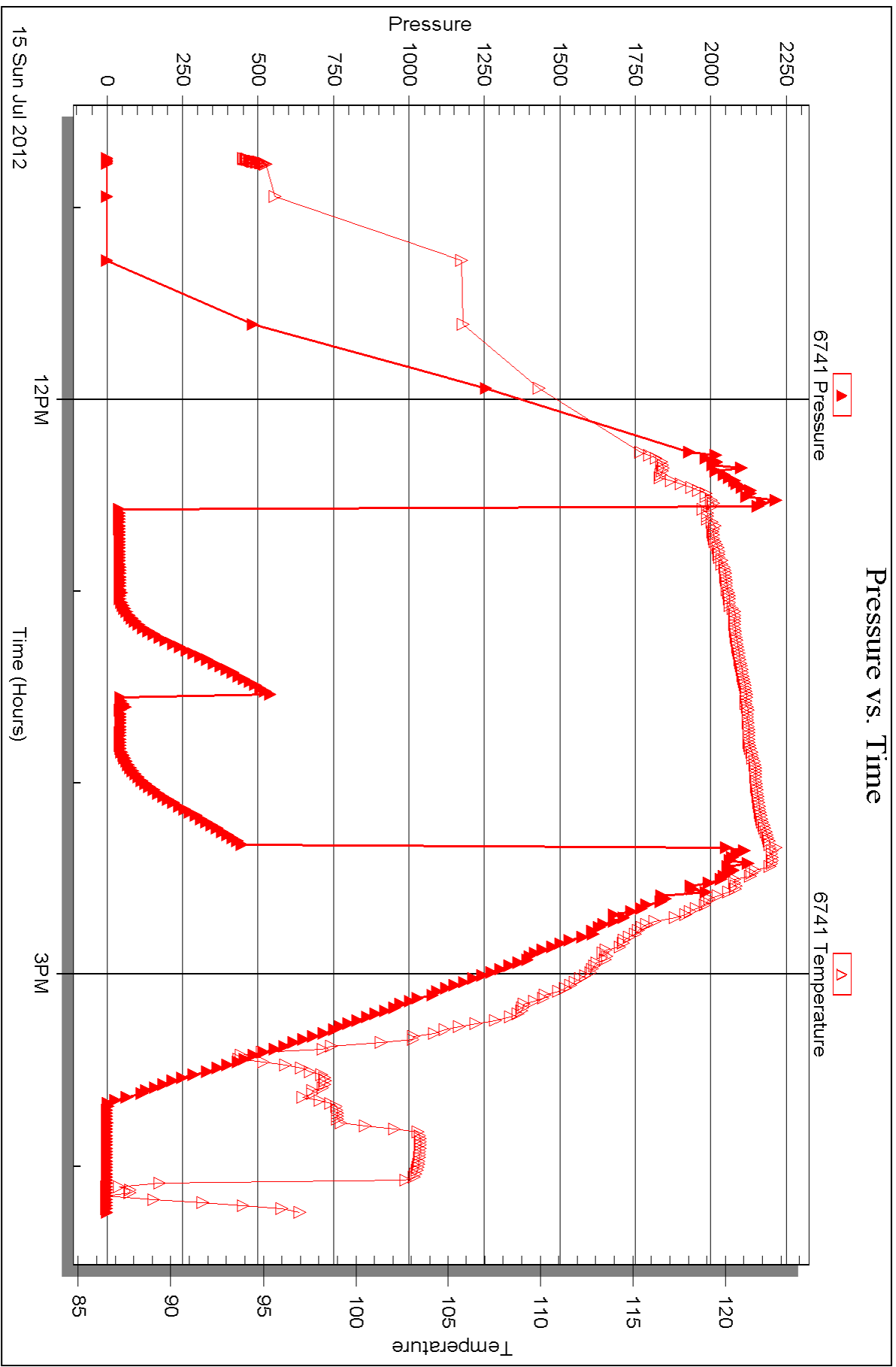


Serial #: 6741

Outside Red Oak Energy, Inc

Frank/Kilzke #1-30

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Red Oak Energy, Inc**

PO Box 783140
Wichita, KS 67207

ATTN: Sean Deenihan

Frank/Klitzke #1-30

30-17s-23w Ness,KS

Start Date: 2012.07.15 @ 23:18:37

End Date: 2012.07.16 @ 06:22:07

Job Ticket #: 47419 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.07.25 @ 09:59:39

Red Oak Energy, Inc

30-17s-23w Ness,KS

Frank/Klitzke #1-30

DST # 2

Cherokee Sand

2012.07.15



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Red Oak Energy, Inc

30-17s-23w Ness, KS

PO Box 783140
Wichita, KS 67207

Frank/Klitzke #1-30

ATTN: Sean Deenihan

Job Ticket: 47419

DST#: 2

Test Start: 2012.07.15 @ 23:18:37

GENERAL INFORMATION:

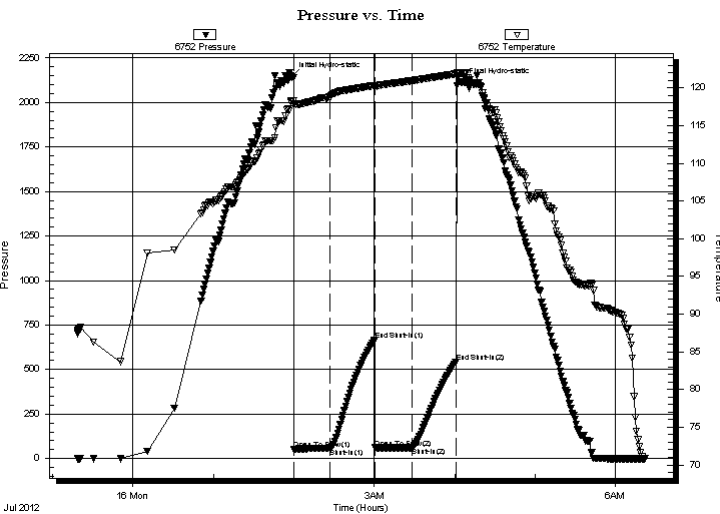
Formation: **Cherokee Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 02:00:07
 Time Test Ended: 06:22:07
 Interval: **4390.00 ft (KB) To 4460.00 ft (KB) (TVD)**
 Total Depth: 4460.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brian Fairbank
 Unit No: 41
 Reference Elevations: 2426.00 ft (KB)
 2419.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 6752

Inside

Press @ Run Depth: 60.37 psig @ 4393.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.07.15 End Date: 2012.07.16 Last Calib.: 2012.07.16
 Start Time: 23:18:38 End Time: 06:22:07 Time On Btm: 2012.07.16 @ 01:58:07
 Time Off Btm: 2012.07.16 @ 04:05:07

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



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2146.75	118.28	Initial Hydro-static
2	51.27	117.95	Open To Flow (1)
29	57.98	118.82	Shut-In(1)
62	665.46	120.33	End Shut-In(1)
63	58.73	120.03	Open To Flow (2)
90	60.37	120.95	Shut-In(2)
123	540.56	121.84	End Shut-In(2)
127	2113.03	121.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	V SOCM 4%O, 96%M	0.05

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Red Oak Energy, Inc

30-17s-23w Ness, KS

PO Box 783140
Wichita, KS 67207

Frank/Klitzke #1-30

ATTN: Sean Deenihan

Job Ticket: 47419

DST#: 2

Test Start: 2012.07.15 @ 23:18:37

GENERAL INFORMATION:

Formation: **Cherokee Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:00:07

Time Test Ended: 06:22:07

Test Type: Conventional Bottom Hole (Reset)

Tester: Brian Fairbank

Unit No: 41

Interval: 4390.00 ft (KB) To 4460.00 ft (KB) (TVD)

Reference Elevations: 2426.00 ft (KB)

Total Depth: 4460.00 ft (KB) (TVD)

2419.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

Serial #: 6741 Outside

Press@RunDepth: psig @ 4393.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.07.15

End Date: 2012.07.16

Last Calib.: 2012.07.16

Start Time: 23:18:26

End Time: 06:21:55

Time On Btm:

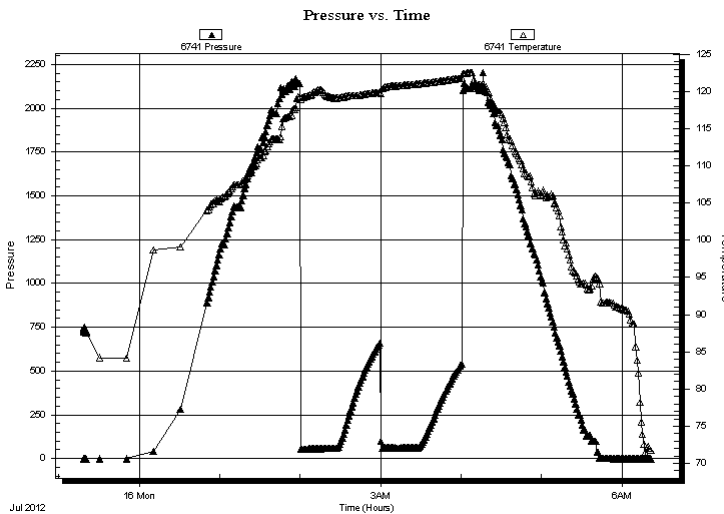
Time Off Btm:

TEST COMMENT: IFP - weak blow throughout 1/2" - 1"

ISI - no blow back

FFP - no blow

FSI - no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
10.00	V SOCM 4%O, 96%M	0.05

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Red Oak Energy, Inc

30-17s-23w Ness,KS

PO Box 783140
Wichita, KS 67207

Frank/Klitzke #1-30

Job Ticket: 47419

DST#: 2

ATTN: Sean Deenihan

Test Start: 2012.07.15 @ 23:18:37

Tool Information

Drill Pipe:	Length: 4260.00 ft	Diameter: 3.80 inches	Volume: 59.76 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 88000.00 lb
			<u>Total Volume: 60.36 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 84000.00 lb
Depth to Top Packer:	4390.00 ft			Final 84000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	70.00 ft			
Tool Length:	97.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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

Shut In Tool	5.00			4368.00	
Hydraulic tool	5.00			4373.00	
Jars	5.00			4378.00	
Safety Joint	2.00			4380.00	
Packer	5.00			4385.00	27.00 Bottom Of Top Packer
Packer	5.00			4390.00	
Stubb	1.00			4391.00	
Perforations	1.00			4392.00	
Change Over Sub	1.00			4393.00	
Recorder	0.00	6752	Inside	4393.00	
Recorder	0.00	6741	Outside	4393.00	
Blank Spacing	61.00			4454.00	
Change Over Sub	1.00			4455.00	
Perforations	2.00			4457.00	
Bullnose	3.00			4460.00	70.00 Bottom Packers & Anchor

Total Tool Length: 97.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Red Oak Energy, Inc

30-17s-23w Ness,KS

PO Box 783140
Wichita, KS 67207

Frank/Klitzke #1-30

Job Ticket: 47419

DST#: 2

ATTN: Sean Deenihan

Test Start: 2012.07.15 @ 23:18:37

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: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 13.15 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	VSOCM 4%O, 96%M	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

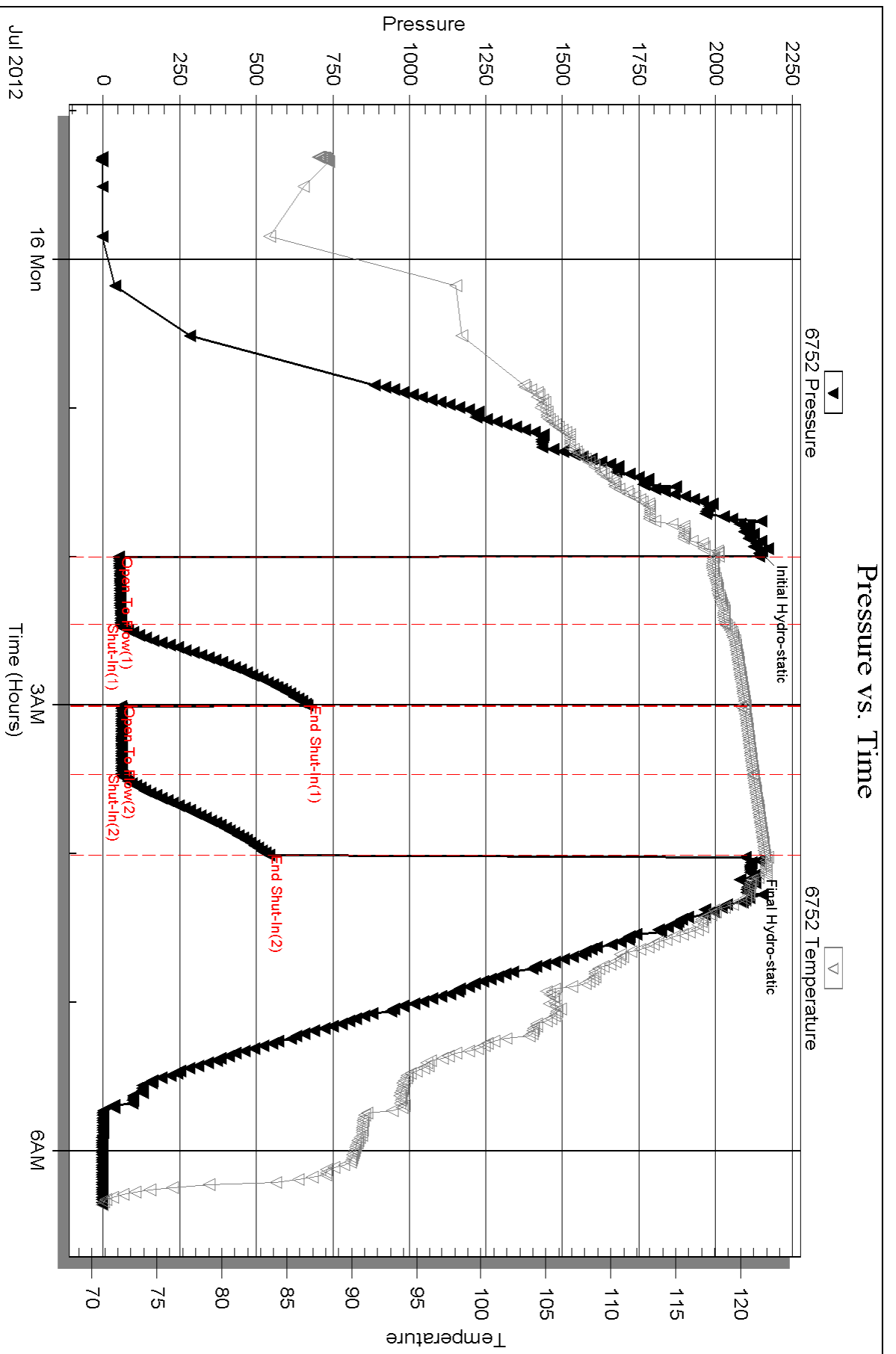
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

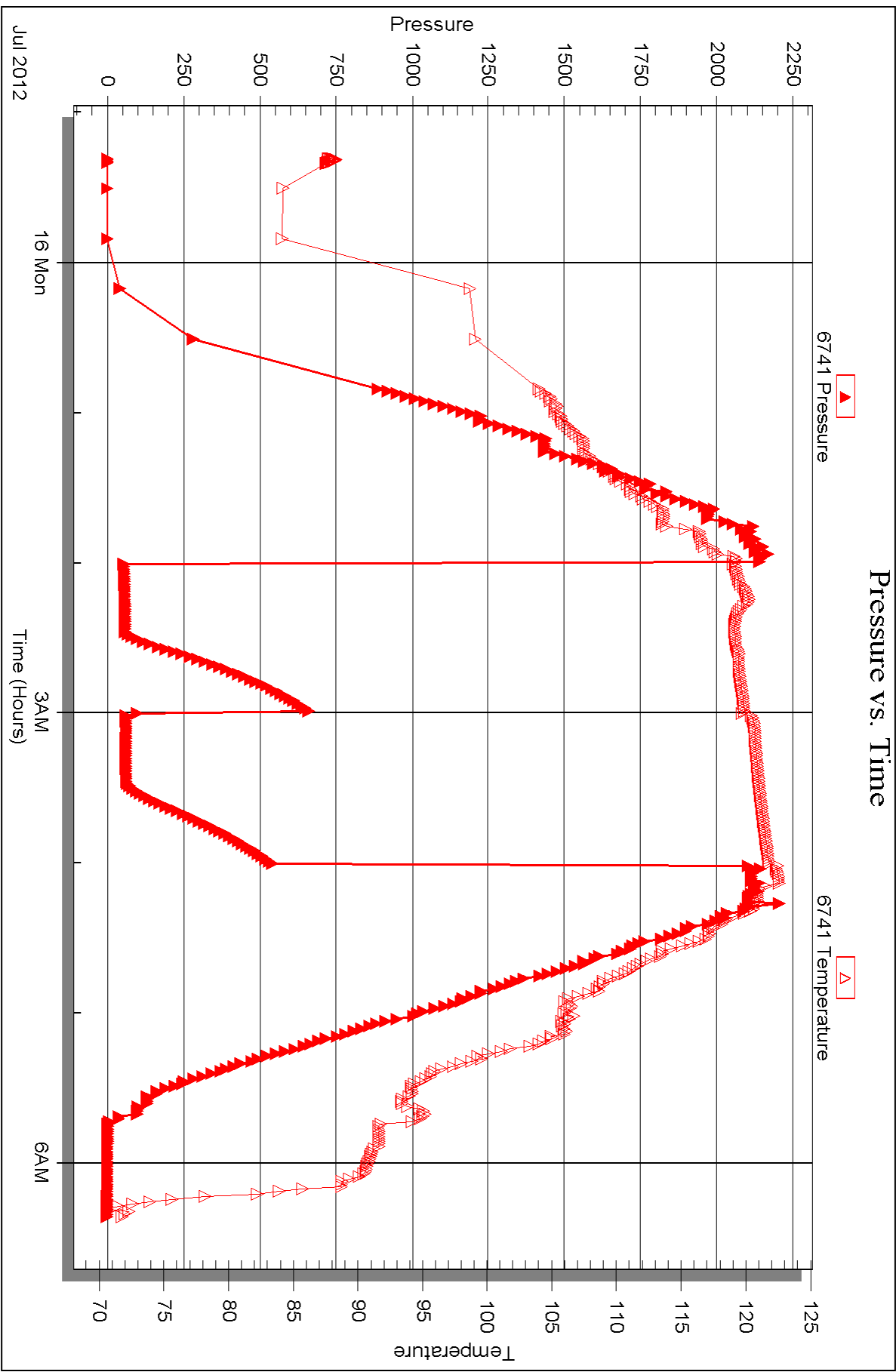


Serial #: 6741

Outside Red Oak Energy, Inc

Frank/Kilzke #1-30

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Red Oak Energy, Inc**

PO Box 783140
Wichita, KS 67207

ATTN: Sean Deenihan

Frank/Klitzke #1-30

30-17s-23w Ness,KS

Start Date: 2012.07.16 @ 16:11:52

End Date: 2012.07.16 @ 20:44:21

Job Ticket #: 47420 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.07.25 @ 09:58:25



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Red Oak Energy, Inc

30-17s-23w Ness, KS

PO Box 783140
Wichita, KS 67207

Frank/Klitzke #1-30

ATTN: Sean Deenihan

Job Ticket: 47420

DST#: 3

Test Start: 2012.07.16 @ 16:11:52

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended: 20:44:21

Test Type: Conventional Bottom Hole (Reset)

Tester: Brian Fairbank

Unit No: 41

Interval: 4473.00 ft (KB) To 4495.00 ft (KB) (TVD)

Reference Elevations: 2426.00 ft (KB)

Total Depth: 4495.00 ft (KB) (TVD)

2419.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

Serial #: 6741 Outside

Press @ Run Depth: psig @ 4477.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.07.16

End Date:

2012.07.16

Last Calib.:

2012.07.16

Start Time: 16:11:52

End Time:

20:44:21

Time On Btm:

2012.07.16 @ 18:11:21

Time Off Btm:

2012.07.16 @ 18:52:51

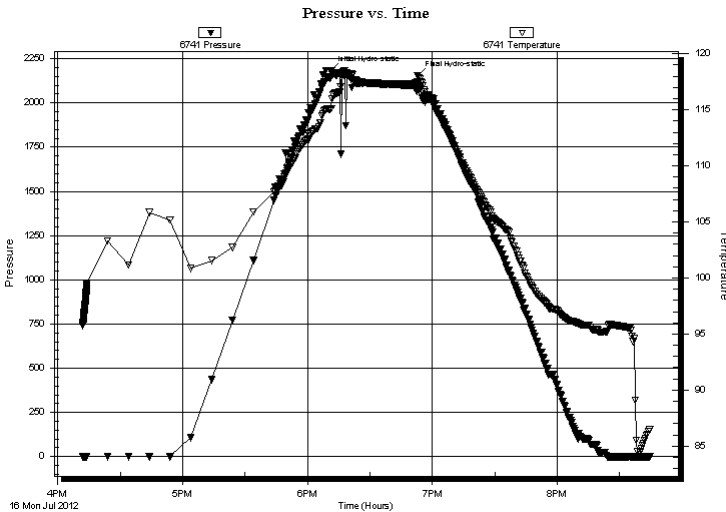
TEST COMMENT: IFP -

ISI - PACKER FAILURE

FFP -

FSI -

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2183.97	115.08	Initial Hydro-static
42	2155.60	117.52	Final Hydro-static

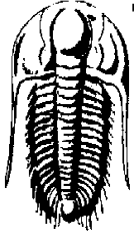
Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Red Oak Energy, Inc

30-17s-23w Ness, KS

PO Box 783140
Wichita, KS 67207

Frank/Klitzke #1-30

Job Ticket: 47420

DST#: 3

ATTN: Sean Deenihan

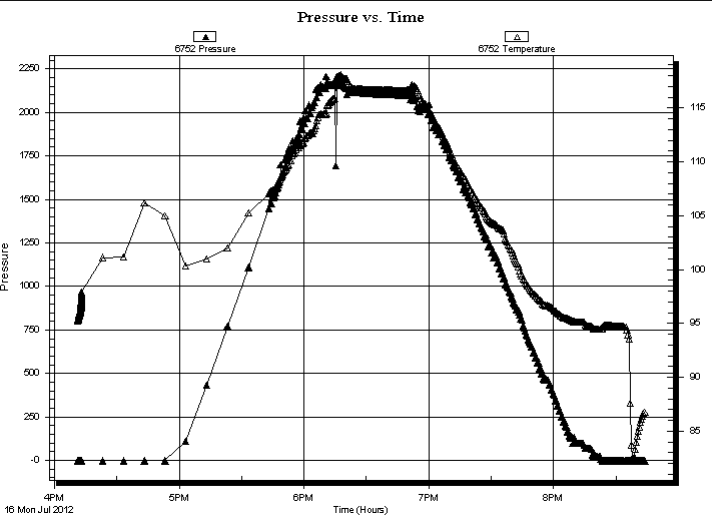
Test Start: 2012.07.16 @ 16:11:52

GENERAL INFORMATION:

Formation: Miss			
Deviated: No Whipstock:	ft (KB)	Test Type: Conventional Bottom Hole (Reset)	
Time Tool Opened:		Tester: Brian Fairbank	
Time Test Ended: 20:44:21		Unit No: 41	
Interval: 4473.00 ft (KB) To 4495.00 ft (KB) (TVD)		Reference Elevations: 2426.00 ft (KB)	
Total Depth: 4495.00 ft (KB) (TVD)		2419.00 ft (CF)	
Hole Diameter: 7.88 inches	Hole Condition: Good	KB to GR/CF: 7.00 ft	

Serial #: 6752	Inside				
Press @ Run Depth: psig @	4477.00 ft (KB)	Capacity:	8000.00 psig		
Start Date: 2012.07.16	End Date: 2012.07.16	Last Calib.:	2012.07.16		
Start Time: 16:11:13	End Time: 20:43:42	Time On Btm:			
		Time Off Btm:			

TEST COMMENT: IFP -
ISI - PACKER FAILURE
FFP -
FSI -



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Red Oak Energy, Inc

30-17s-23w Ness, KS

PO Box 783140
Wichita, KS 67207

Frank/Klitzke #1-30

Job Ticket: 47420

DST#: 3

ATTN: Sean Deenihan

Test Start: 2012.07.16 @ 16:11:52

Tool Information

Drill Pipe:	Length: 4354.00 ft	Diameter: 3.80 inches	Volume: 61.08 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: lb
			<u>Total Volume: 61.68 bbl</u>	Tool Chased: ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial lb
Depth to Top Packer:	4473.00 ft			Final lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	49.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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

Shut In Tool	5.00			4451.00	
Hydraulic tool	5.00			4456.00	
Jars	5.00			4461.00	
Safety Joint	2.00			4463.00	
Packer	5.00			4468.00	27.00 Bottom Of Top Packer
Packer	5.00			4473.00	
Stubb	1.00			4474.00	
Perforations	3.00			4477.00	
Recorder	0.00	6752	Inside	4477.00	
Recorder	0.00	6741	Outside	4477.00	
Perforations	15.00			4492.00	
Bullnose	3.00			4495.00	22.00 Bottom Packers & Anchor

Total Tool Length: 49.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Red Oak Energy, Inc

30-17s-23w Ness,KS

PO Box 783140
Wichita, KS 67207

Frank/Klitzke #1-30

Job Ticket: 47420

DST#: 3

ATTN: Sean Deenihan

Test Start: 2012.07.16 @ 16:11:52

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: 42.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl

Total Length: ft Total Volume: bbl

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

Laboratory Name: Laboratory Location:

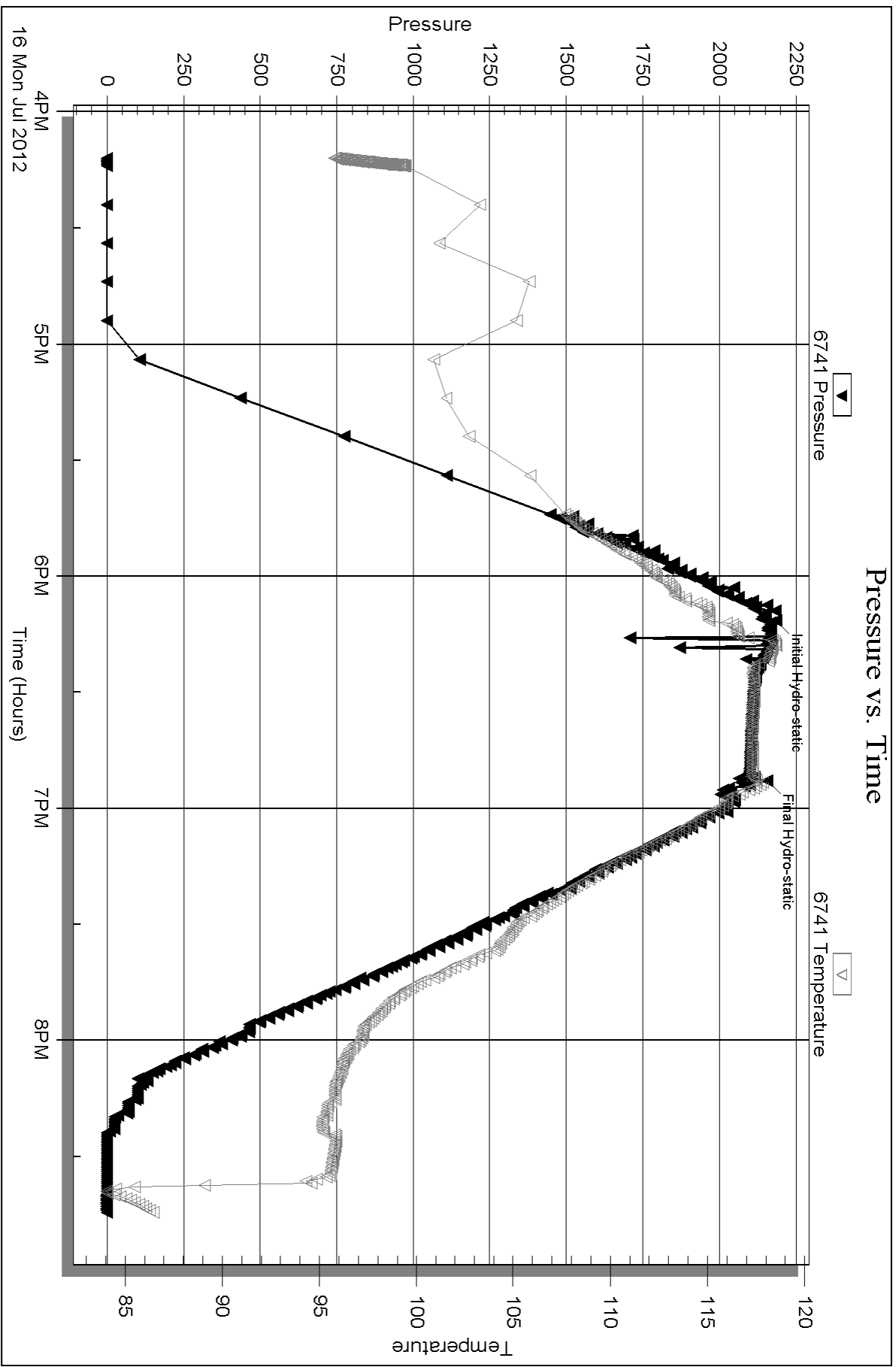
Recovery Comments:

Serial #: 6741

Outside Red Oak Energy, Inc

Frank/Kiltzke #1-30

DST Test Number: 3



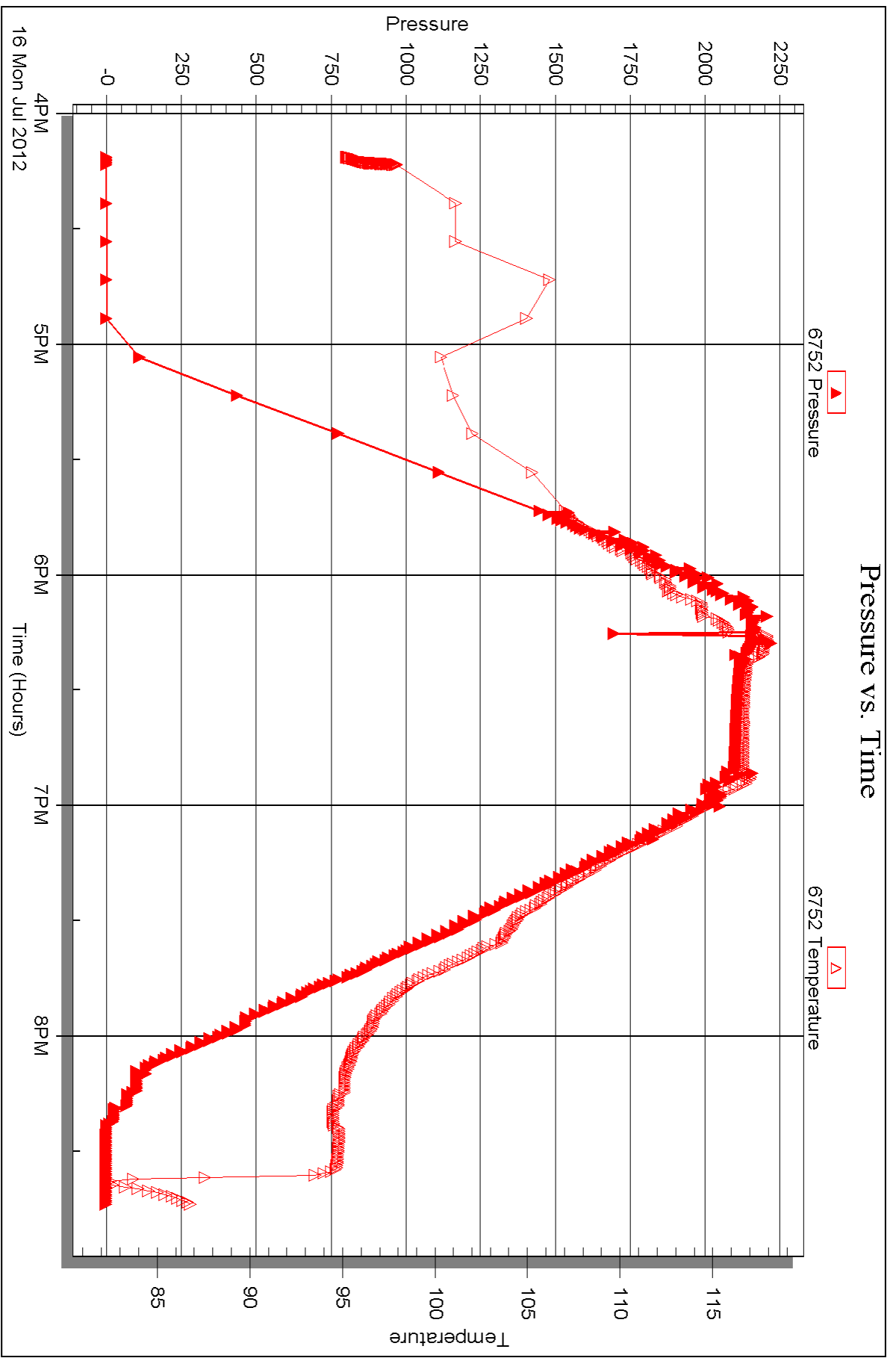
Serial #: 6752

Inside

Red Oak Energy, Inc

Frank/Kilzke #1-30

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Red Oak Energy, Inc**

PO Box 783140
Wichita, KS 67207

ATTN: Sean Deenihan

Frank/Klitzke #1-30

30-17s-23w Ness,KS

Start Date: 2012.07.16 @ 20:54:49

End Date: 2012.07.17 @ 01:17:18

Job Ticket #: 47421 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.07.25 @ 09:56:52



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Red Oak Energy, Inc

30-17s-23w Ness, KS

PO Box 783140
Wichita, KS 67207

Frank/Klitzke #1-30

Job Ticket: 47421

DST#: 4

ATTN: Sean Deenihan

Test Start: 2012.07.16 @ 20:54:49

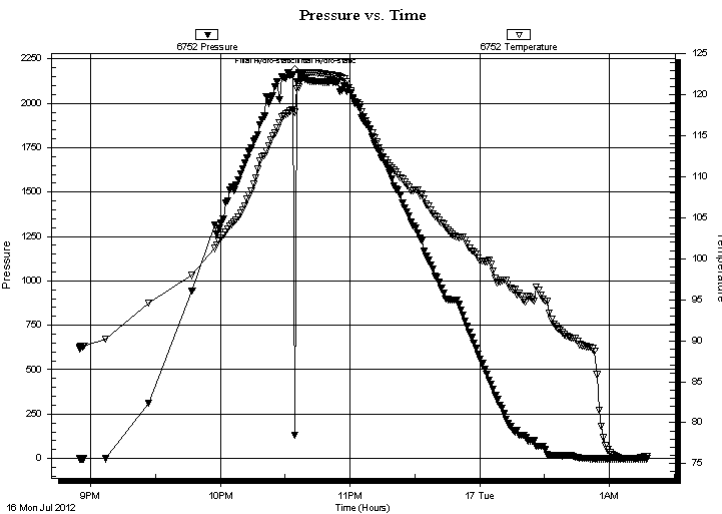
GENERAL INFORMATION:

Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened:
 Time Test Ended: 01:17:18
 Interval: **4390.00 ft (KB) To 4495.00 ft (KB) (TVD)**
 Total Depth: 4495.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brian Fairbank
 Unit No: 41
 Reference Elevations: 2426.00 ft (KB)
 2419.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 6752 Inside

Press @ Run Depth: psig @ 4393.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.07.16 End Date: 2012.07.17 Last Calib.: 2012.07.17
 Start Time: 20:54:49 End Time: 01:17:18 Time On Btm: 2012.07.16 @ 22:31:18
 Time Off Btm: 2012.07.16 @ 22:37:48

TEST COMMENT: IFP -
 ISI - PACKER FAILURE
 FFP -
 FSI -



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2174.09	117.76	Initial Hydro-static
7	2172.12	122.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Red Oak Energy, Inc

30-17s-23w Ness, KS

PO Box 783140
Wichita, KS 67207

Frank/Klitzke #1-30

Job Ticket: 47421

DST#: 4

ATTN: Sean Deenihan

Test Start: 2012.07.16 @ 20:54:49

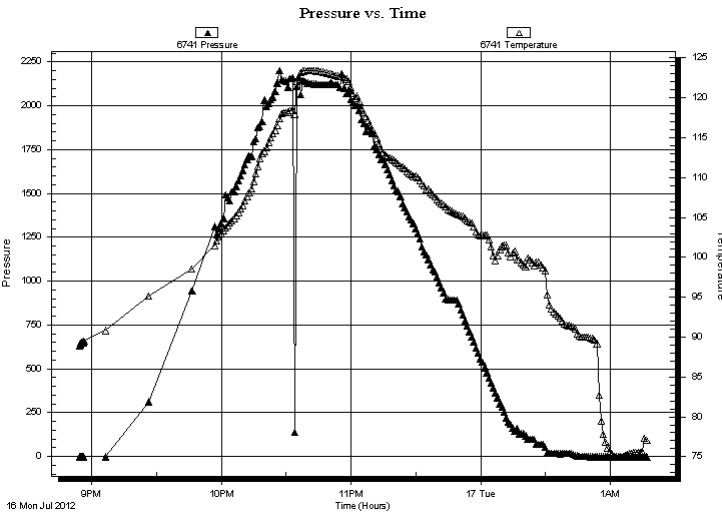
GENERAL INFORMATION:

Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened:
 Tester: Brian Fairbank
 Time Test Ended: 01:17:18
 Unit No: 41
 Interval: **4390.00 ft (KB) To 4495.00 ft (KB) (TVD)**
 Reference Elevations: 2426.00 ft (KB)
 Total Depth: 4495.00 ft (KB) (TVD)
 2419.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Good
 KB to GR/CF: 7.00 ft

Serial #: 6741 Outside

Press @ Run Depth: psig @ 4393.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.07.16 End Date: 2012.07.17 Last Calib.: 2012.07.17
 Start Time: 20:54:22 End Time: 01:16:51 Time On Btm:
 Time Off Btm:

TEST COMMENT: IFP -
 ISI - PACKER FAILURE
 FFP -
 FSI -



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Red Oak Energy, Inc

30-17s-23w Ness, KS

PO Box 783140
Wichita, KS 67207

Frank/Klitzke #1-30

Job Ticket: 47421

DST#: 4

ATTN: Sean Deenihan

Test Start: 2012.07.16 @ 20:54:49

Tool Information

Drill Pipe:	Length: 4262.00 ft	Diameter: 3.80 inches	Volume: 59.78 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: lb
			<u>Total Volume: 60.38 bbl</u>	Tool Chased: ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial lb
Depth to Top Packer:	4390.00 ft			Final lb
Depth to Bottom Packer:	ft			
Interval between Packers:	105.00 ft			
Tool Length:	132.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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

Shut In Tool	5.00			4368.00	
Hydraulic tool	5.00			4373.00	
Jars	5.00			4378.00	
Safety Joint	2.00			4380.00	
Packer	5.00			4385.00	27.00 Bottom Of Top Packer
Packer	5.00			4390.00	
Stubb	1.00			4391.00	
Perforations	1.00			4392.00	
Change Over Sub	1.00			4393.00	
Recorder	0.00	6752	Inside	4393.00	
Recorder	0.00	6741	Outside	4393.00	
Blank Spacing	93.00			4486.00	
Change Over Sub	1.00			4487.00	
Perforations	5.00			4492.00	
Bullnose	3.00			4495.00	105.00 Bottom Packers & Anchor

Total Tool Length: 132.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Red Oak Energy, Inc

30-17s-23w Ness,KS

PO Box 783140
Wichita, KS 67207

Frank/Klitzke #1-30

Job Ticket: 47421

DST#: 4

ATTN: Sean Deenihan

Test Start: 2012.07.16 @ 20:54:49

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: 42.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl

Total Length: ft Total Volume: bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

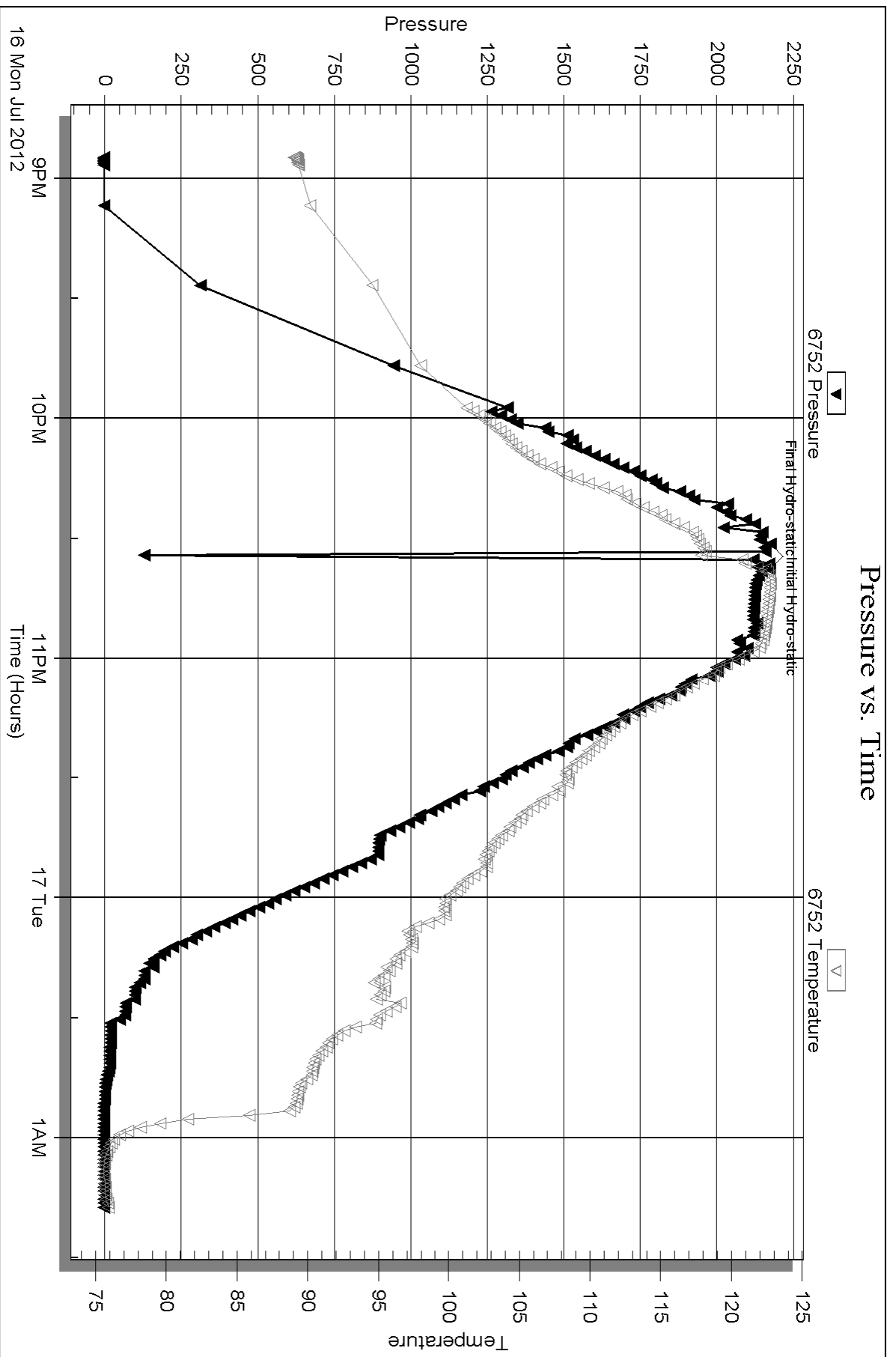
Serial #: 6752

Inside

Red Oak Energy, Inc

Frank/Kilzke #1-30

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 47421

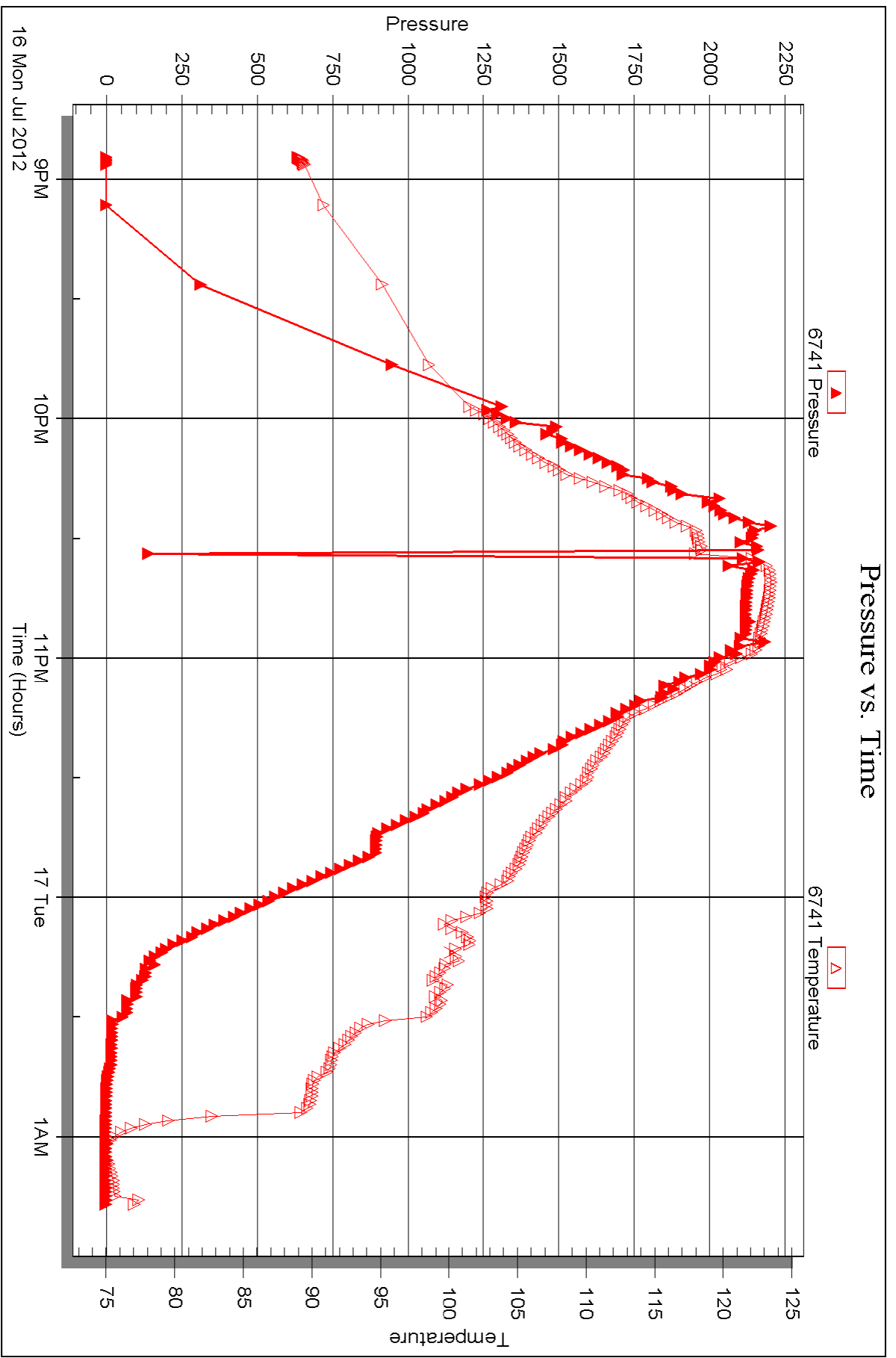
Printed: 2012.07.25 @ 09:56:54

Serial #: 6741

Outside Red Oak Energy, Inc

Frank/Kilzke #1-30

DST Test Number: 4





DRILL STEM TEST REPORT

Prepared For: **Red Oak Energy, Inc**

PO Box 783140
Wichita, KS 67207

ATTN: Sean Deenihan

Frank/Klitzke #1-30

30-17s-23w Ness,KS

Start Date: 2012.07.17 @ 13:23:31

End Date: 2012.07.17 @ 19:30:31

Job Ticket #: 47422 DST #: 5

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.07.25 @ 09:44:53



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Red Oak Energy, Inc

30-17s-23w Ness, KS

PO Box 783140
Wichita, KS 67207

Frank/Klitzke #1-30

ATTN: Sean Deenihan

Job Ticket: 47422

DST#: 5

Test Start: 2012.07.17 @ 13:23:31

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:01:31

Time Test Ended: 19:30:31

Test Type: Conventional Straddle (Reset)

Tester: Brian Fairbank

Unit No: 41

Interval: 4445.00 ft (KB) To 4490.00 ft (KB) (TVD)

Reference Elevations: 2426.00 ft (KB)

Total Depth: 4574.00 ft (KB) (TVD)

2419.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

Serial #: 6752 Inside

Press @ Run Depth: 194.78 psig @ 4448.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.07.17

End Date:

2012.07.17

Last Calib.:

2012.07.17

Start Time: 13:23:32

End Time:

19:30:31

Time On Btm:

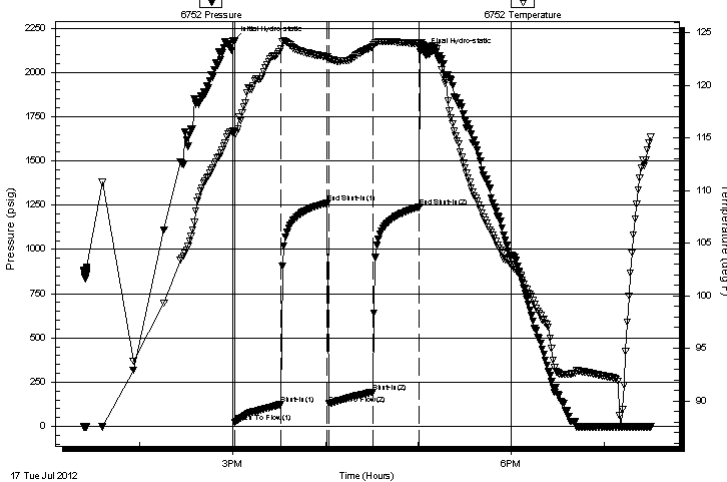
2012.07.17 @ 15:00:31

Time Off Btm:

2012.07.17 @ 17:03:31

TEST COMMENT: IFP - BOB 19 min
ISI - no blow back
FFP - BOB 22 min
FSI - no blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2178.66	115.68	Initial Hydro-static
1	24.13	115.35	Open To Flow (1)
31	123.54	123.50	Shut-In(1)
61	1261.85	122.73	End Shut-In(1)
62	127.54	122.49	Open To Flow (2)
90	194.78	123.66	Shut-In(2)
120	1239.16	123.93	End Shut-In(2)
123	2113.24	123.74	Final Hydro-static

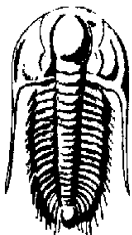
Recovery

Length (ft)	Description	Volume (bbl)
280.00	MW 90%W, 10%M	2.81
112.00	WM 10%W, 90%M	1.57

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Red Oak Energy, Inc

30-17s-23w Ness, KS

PO Box 783140
Wichita, KS 67207

Frank/Klitzke #1-30

ATTN: Sean Deenihan

Job Ticket: 47422

DST#: 5

Test Start: 2012.07.17 @ 13:23:31

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:01:31

Time Test Ended: 19:30:31

Test Type: Conventional Straddle (Reset)

Tester: Brian Fairbank

Unit No: 41

Interval: 4445.00 ft (KB) To 4490.00 ft (KB) (TVD)

Total Depth: 4574.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2426.00 ft (KB)

2419.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8365 Below (Straddle)

Press @ RunDepth: psig @ 4498.00 ft (KB)

Start Date: 2012.07.17 End Date: 2012.07.17

Start Time: 13:23:37 End Time: 19:30:06

Capacity: 8000.00 psig

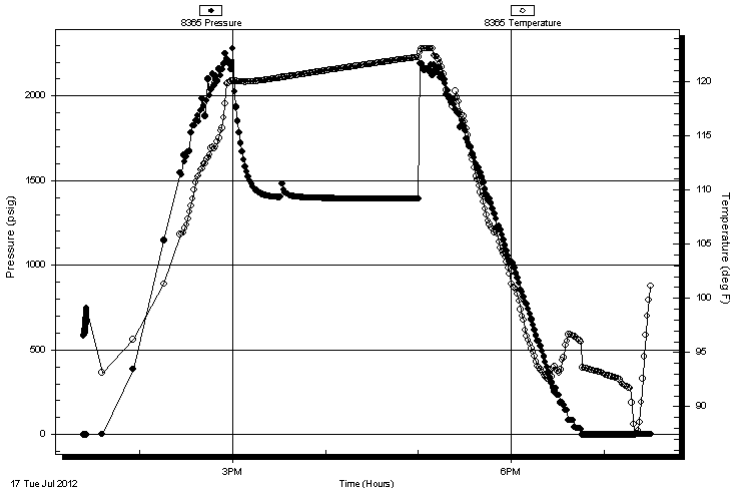
Last Calib.: 2012.07.17

Time On Btm:

Time Off Btm:

TEST COMMENT: IFP - BOB 19 min
ISI - no blow back
FFP - BOB 22 min
FSI - no blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
280.00	MW 90%W, 10%M	2.81
112.00	WM 10%W, 90%M	1.57

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Red Oak Energy, Inc

30-17s-23w Ness, KS

PO Box 783140
Wichita, KS 67207

Frank/Klitzke #1-30

Job Ticket: 47422

DST#: 5

ATTN: Sean Deenihan

Test Start: 2012.07.17 @ 13:23:31

Tool Information

Drill Pipe:	Length: 4297.00 ft	Diameter: 3.80 inches	Volume: 60.28 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 60.88 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	2.00 ft			String Weight: Initial 87000.00 lb
Depth to Top Packer:	4445.00 ft			Final 90000.00 lb
Depth to Bottom Packer:	4490.00 ft			
Interval between Packers:	45.00 ft			
Tool Length:	161.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			4423.00	
Hydraulic tool	5.00			4428.00	
Jars	5.00			4433.00	
Safety Joint	2.00			4435.00	
Packer	5.00			4440.00	27.00 Bottom Of Top Packer
Packer	5.00			4445.00	
Stubb	1.00			4446.00	
Perforations	1.00			4447.00	
Change Over Sub	1.00			4448.00	
Recorder	0.00	6752	Inside	4448.00	
Recorder	0.00	6741	Outside	4448.00	
Blank Spacing	31.00			4479.00	
Change Over Sub	1.00			4480.00	
Perforations	5.00			4485.00	
Blank Off Sub	1.00			4486.00	
Blank Spacing	4.00			4490.00	45.00 Tool Interval
Packer	5.00			4495.00	
Stubb	1.00			4496.00	
Perforations	2.00			4498.00	
Recorder	0.00	8365	Below	4498.00	
Change Over Sub	1.00			4499.00	
Blank Spacing	61.00			4560.00	
Change Over Sub	1.00			4561.00	
Perforations	15.00			4576.00	
Bullnose	3.00			4579.00	89.00 Bottom Packers & Anchor

Total Tool Length: 161.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Red Oak Energy, Inc

30-17s-23w Ness, KS

PO Box 783140
Wichita, KS 67207

Frank/Klitzke #1-30

Job Ticket: 47422

DST#: 5

ATTN: Sean Deenihan

Test Start: 2012.07.17 @ 13:23:31

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

20000 ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
280.00	MW 90%W, 10%M	2.807
112.00	WM 10%W, 90%M	1.571

Total Length: 392.00 ft Total Volume: 4.378 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

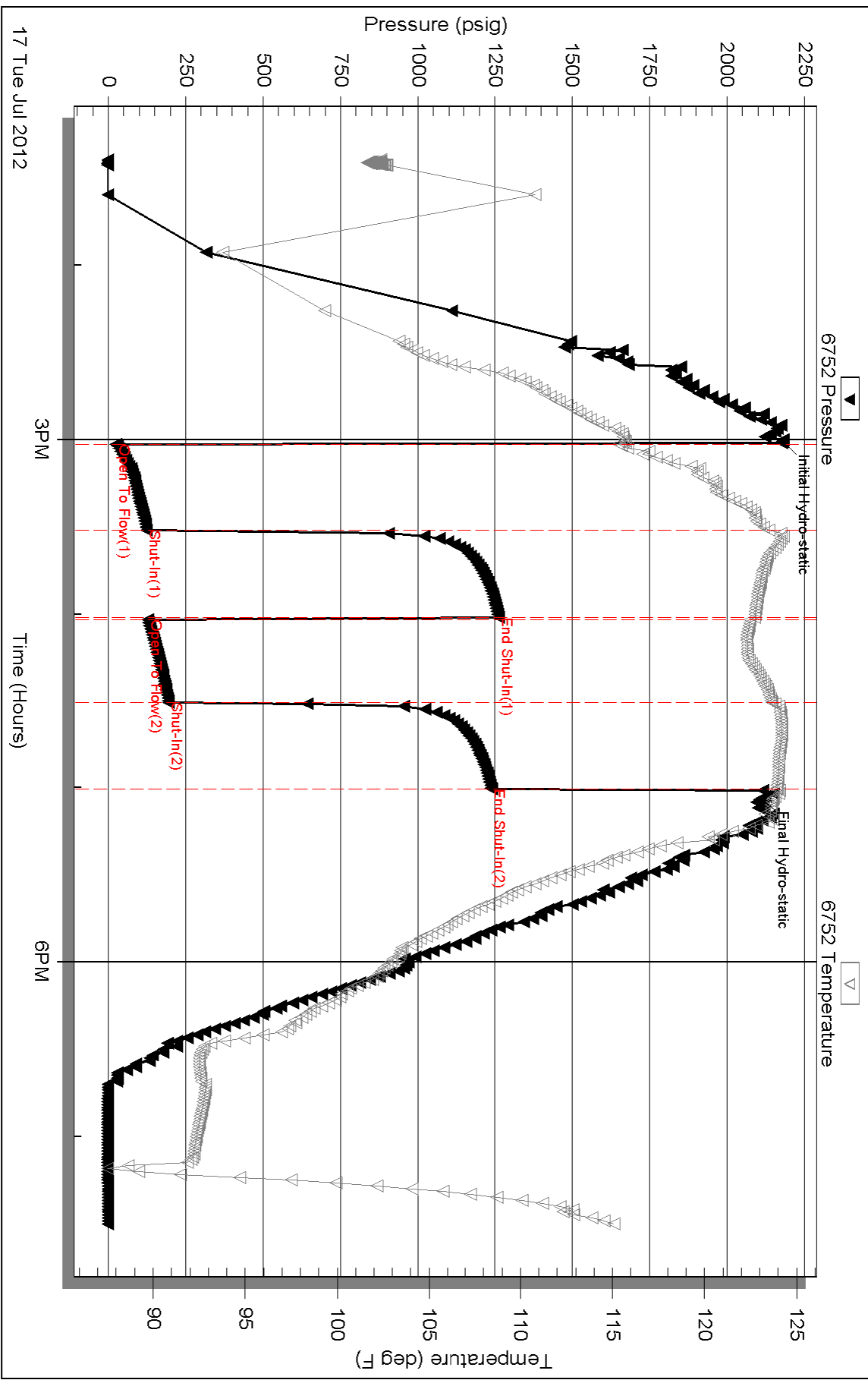
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



17 Tue Jul 2012

3PM

Time (Hours)

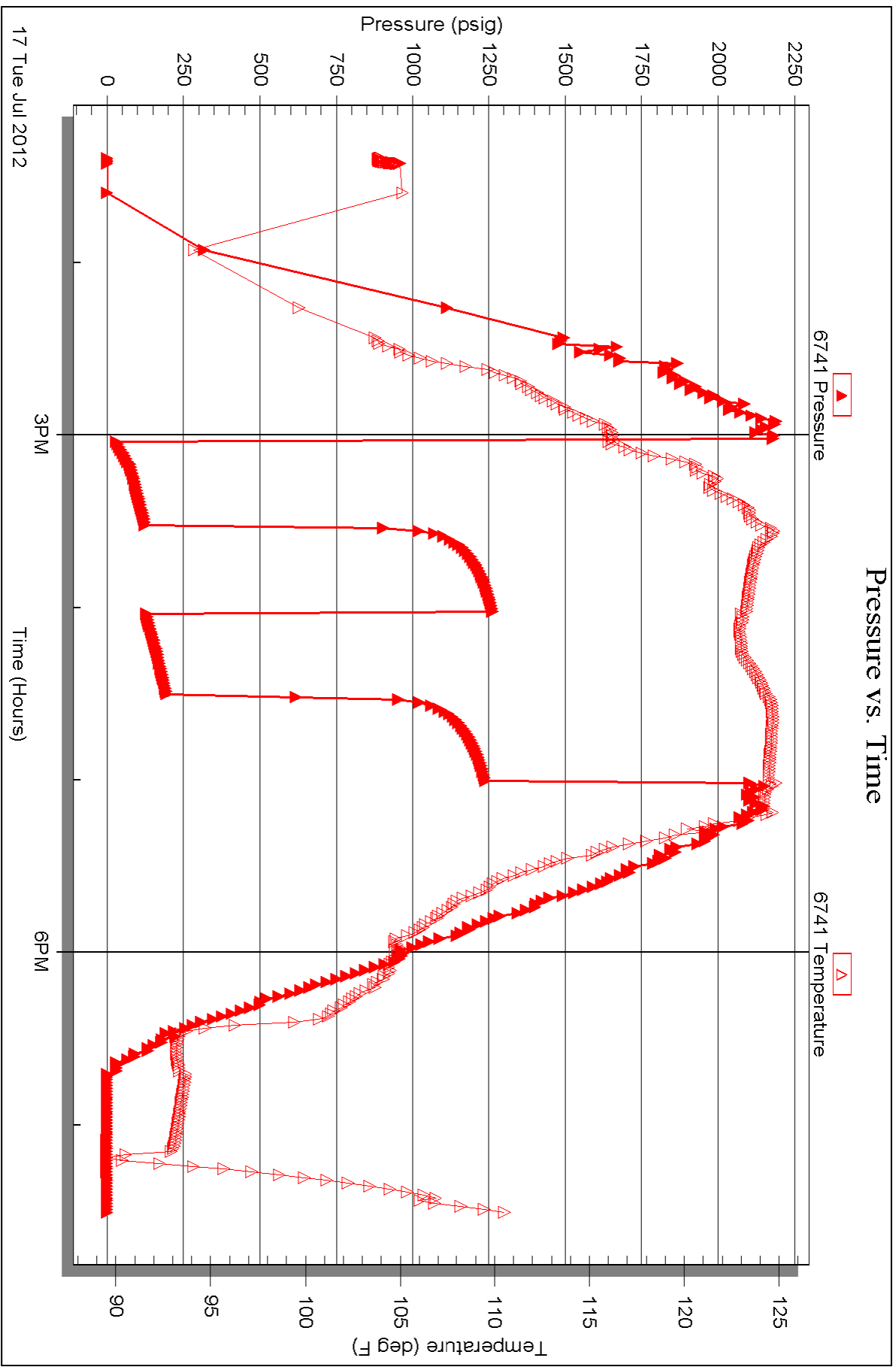
6PM

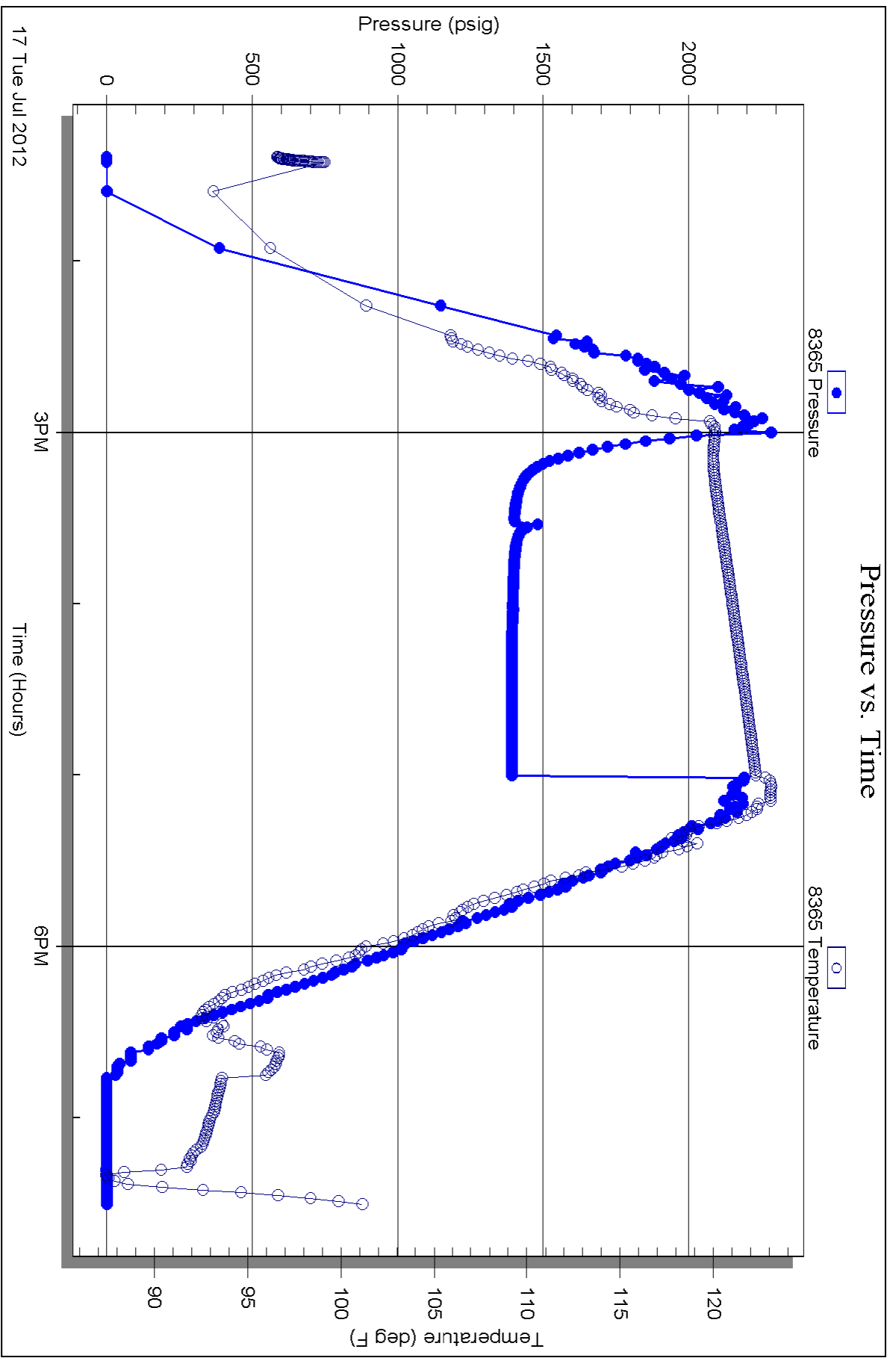
Serial #: 6741

Outside Red Oak Energy, Inc

Frank/Kitzke #1-30

DST Test Number: 5







TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47418

4/10

Well Name & No. Frank / Klitzke 1-30 Test No. 1 Date 7-15-12
 Company Red Oak Energy, Inc Elevation 2426 KB 2419 GL
 Address 7701 E Kellogg Dr Ste. 710 PO Box 783140 Wichita, Ks, 67207
 Co. Rep / Geo. Sean Deenihan Rig Pickrell 1
 Location: Sec. 30 Twp. 17 Rge. 23 Co. NEW State KJ

Interval Tested 4390-4450 Zone Tested Cherokee Sand
 Anchor Length 60 Drill Pipe Run 4260 Mud Wt. 9.2
 Top Packer Depth 4385 Drill Collars Run 123 Vis 48
 Bottom Packer Depth 4390 Wt. Pipe Run — WL 13.2
 Total Depth 4450 Chlorides 2800 ppm System LCM
 Blow Description IFP - sur blow - died 17 min
ISI - no blow back
FFP -
FSI -

Rec	Feet of	%gas	%oil	%water	%mud
<u>3</u>	<u>USOCM</u>		<u>2</u>		<u>98</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 3 BHT 122 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2162 Test 1250 T-On Location 0914
 (B) First Initial Flow 39 Jars 250 T-Started 1044
 (C) First Final Flow 42 Safety Joint 75 T-Open 1233
 (D) Initial Shut-In 540 Circ Sub T-Pulled 1418
 (E) Second Initial Flow 43 Hourly Standby T-Out 1614
 (F) Second Final Flow 43 Mileage 113 RT 175.15 Comments _____
 (G) Final Shut-In 447 Sampler _____
 (H) Final Hydrostatic 2085 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1750.15
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1750.15

Approved By _____ Our Representative Brian Fairbank

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47419

Well Name & No. Frank / Klitzkie 1-30 Test No. 2 Date 7-15-12
 Company Red Oak Elevation 2426 KB 2419 GL
 Address _____
 Co. Rep / Geo. Sean Deenihan Rig Pickrell 1
 Location: Sec. 30 Twp. 17 Rge. 23 Co. Ness State K1

Interval Tested 4390 - 4460 Zone Tested Cherokee Sand
 Anchor Length 70 Drill Pipe Run 4260 Mud Wt. 9.2
 Top Packer Depth 4385 Drill Collars Run 123 Vis 48
 Bottom Packer Depth 4390 Wt. Pipe Run — WL 13.2
 Total Depth 4460 Chlorides 2800 ppm System LCM _____
 Blow Description IFP - weak blow throughout 1/2" - 1"
ISI - no blow back
FFP - no blow
FSI - no blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>USOCM</u>	<u>4</u>		<u>96</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 10 BHT 122 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2147</u>	<input checked="" type="checkbox"/> Test 1250	T-On Location <u>2124</u>
(B) First Initial Flow <u>51</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>2318</u>
(C) First Final Flow <u>58</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>0159</u>
(D) Initial Shut-In <u>665</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>0359</u>
(E) Second Initial Flow <u>59</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>0623</u>
(F) Second Final Flow <u>60</u>	<input checked="" type="checkbox"/> Mileage 175.15	Comments _____
(G) Final Shut-In <u>541</u>	<input type="checkbox"/> Sampler	<input type="checkbox"/> Ruined Shale Packer
(H) Final Hydrostatic <u>2113</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Total <u>1750.15</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	MP/DST Disc't _____
	<input type="checkbox"/> Accessibility	
	Sub Total <u>1750.15</u>	

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47420

Well Name & No. Frank / Klitzke 1-30 Test No. 3 Date 7-16-12
 Company Red Oak Elevation 2426 KB 2419 GL
 Address _____
 Co. Rep / Geo. Sean Deenihan Rig Pickrell 1
 Location: Sec. 30 Twp. 17 Rge. 23 Co. Ness State Ka

Interval Tested 4473-4495 Zone Tested M:25
 Anchor Length 22 Drill Pipe Run 4354 Mud Wt. 9.2
 Top Packer Depth 4468 Drill Collars Run 123 Vis 42
 Bottom Packer Depth 4473 Wt. Pipe Run --- WL 10.0
 Total Depth 4495 Chlorides 3200 ppm System LCM _____
 Blow Description IFP
ISI - Packer Failure
FFP
FSI

Rec	Feet of	%gas	%oil	%water	%mud

Rec Total _____ BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic _____ Test 1050 T-On Location 1452
 (B) First Initial Flow _____ Jars 250 T-Started 1611
 (C) First Final Flow _____ Safety Joint 75 T-Open _____
 (D) Initial Shut-In _____ Circ Sub _____ T-Pulled _____
 (E) Second Initial Flow _____ Hourly Standby _____ T-Out _____
 (F) Second Final Flow _____ Mileage 175.15 Comments _____
 (G) Final Shut-In _____ Sampler _____
 (H) Final Hydrostatic _____ Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open _____ Extra Recorder _____ Sub Total 0
 Initial Shut-In _____ Day Standby _____ Total 1550.15
 Final Flow _____ Accessibility _____ MP/DST Disc't _____
 Final Shut-In _____ Sub Total 1550.15

Approved By _____ Our Representative Brian Fairbank

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47421

Well Name & No. Frank / Klitzke 1-30 Test No. 4 Date 7-16-12
 Company Red Oak Elevation 2426 KB 2419 GL _____
 Address _____
 Co. Rep / Geo. Sam Deenihan Rig Pickrell 1
 Location: Sec. 30 Twp. 17 Rge. 23 Co. Neos State K

Interval Tested 4390-4495 Zone Tested Mis
 Anchor Length 105 Drill Pipe Run 4262 Mud Wt. 9.2
 Top Packer Depth 4385 Drill Collars Run 123 Vis 42
 Bottom Packer Depth 4390 Wt. Pipe Run _____ WL 10.0
 Total Depth 4495 Chlorides 3200 ppm System _____ LCM _____
 Blow Description IFP-
ISI- Packer Failure
FFP-
FSI-

Rec	Feet of	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____

Rec Total _____ BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic _____ Test 1050 T-On Location _____
 (B) First Initial Flow _____ Jars 250 T-Started 2054
 (C) First Final Flow _____ Safety Joint 75 T-Open _____
 (D) Initial Shut-In _____ Circ Sub _____ T-Pulled _____
 (E) Second Initial Flow _____ Hourly Standby _____ T-Out 0117
 (F) Second Final Flow _____ Mileage _____ Comments _____
 (G) Final Shut-In _____ Sampler _____
 (H) Final Hydrostatic _____ Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Initial Open _____ Extra Packer _____ Extra Copies _____
 Initial Shut-In _____ Extra Recorder _____ Sub Total 0
 Final Flow _____ Day Standby _____ Total 1375
 Final Shut-In _____ Accessibility _____ MP/DST Disc't _____
 Sub Total 1375

Approved By _____ Our Representative Brian Farbank

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47422

Well Name & No. Frank/Klitzke 1-30 Test No. 5 Date 7-17-12
 Company Red Oak Elevation 2426 KB 2419 GL
 Address _____
 Co. Rep / Geo. Sean Deenihan Rig Pickrell 1
 Location: Sec. 30 Twp. 17 Rge. 23 Co. Neos State K

Interval Tested 4445-~~4436~~ 4490 Zone Tested Miss
 Anchor Length 45 Drill Pipe Run 4297 Mud Wt. 9.2
 Top Packer Depth ~~4436~~ 4440 Drill Collars Run 123 Vis 62
 Bottom Packer Depth ~~4444~~ 4445 Wt. Pipe Run — WL 10.4
 Total Depth ~~4570~~ 4574 Chlorides 4400 ppm System LCM _____
 Blow Description IFP- BOB 19 min
ISI- no blow back
FFP- BOB 22 min
FSI- no blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>112</u>	<u>WM</u>			<u>10</u>	<u>90</u>
<u>280</u>	<u>MW</u>			<u>90</u>	<u>10</u>
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____

Rec Total 392 BHT 124 Gravity _____ API RW .193@ 117 °F Chlorides 20,000 ppm

(A) Initial Hydrostatic <u>2179</u>	<input checked="" type="checkbox"/> Test 1250	T-On Location <u>1208</u>
(B) First Initial Flow <u>24</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>1323</u>
(C) First Final Flow <u>124</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>1501</u>
(D) Initial Shut-In <u>1262</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>1701</u>
(E) Second Initial Flow <u>128</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>1930</u>
(F) Second Final Flow <u>195</u>	<input checked="" type="checkbox"/> Mileage 175.15	Comments _____
(G) Final Shut-In <u>1239</u>	<input type="checkbox"/> Sampler _____	_____
(H) Final Hydrostatic <u>2113</u>	<input checked="" type="checkbox"/> Straddle 600	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby _____	Total <u>2350.15</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>2350.15</u>	

Approved By _____ Our Representative Brian Farbank

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