



**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: \_\_\_\_\_



1082461

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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"/> Commingled <i>(Submit ACO-4)</i>	<b>PRODUCTION INTERVAL:</b> _____ _____
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CHARGE TO: **RED OAK ENERGY**  
 ADDRESS:  
 CITY, STATE, ZIP CODE:

TICKET  
 N<sup>o</sup> 21326


PAGE 1 OF 2

1. SERVICE LOCATIONS <b>HAYS</b>	WELL/PROJECT NO. <b>1-11</b>	LEASE <b>BITTEL</b>	COUNTY/PARISH <b>SHERIDAN</b>	STATE <b>KS</b>	CITY	DATE <b>03-20-12</b>	OWNER
2. <b>NESS</b>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR	RIG NAME/NO. <b>MAURICK DRUG 108</b>	SHIPPED VIA <b>CT</b>	DELIVERED TO <b>W. ST. PETER</b>	ORDER NO.	
3.	WELL TYPE <b>OIL</b>	WELL CATEGORY <b>DEVELOP</b>	JOB PURPOSE <b>LONGSTRING</b>	WELL PERMIT NO. <b>15-179-21294</b>	WELL LOCATION <b>S11710R26</b>		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF								
575		1			MILEAGE #112	70	mi			6.00	420	00
578		1			Pump Service	1	EA			1500.00	1500	00
221		1			LIQUID HCL	2	gal			25.00	50	00
281		1			MUD FLUSH	500	gal			1.25	625	00
290		1			D-AIR	2	gal			35.00	70	00
402		1			CENTRALIZER	8	EA	5 1/2 in		70.00	560	00
403		1			BASKET	2	EA			250.00	500	00
404		1			PORT COLLAR	1	EA			2400.00	2400	00
406		1			LATCH DOWN PLUG & Baffle	1	EA			250.00	250	00
407		1			INSECT FLOAT SHADE	1	EA			350.00	350	00
411		1			RECIPRO SCRATCHER	25	EA			45.00	1125	00

**LEGAL TERMS:** Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X:   
 DATE SIGNED: **03-20-12** TIME SIGNED: **0330**  A.M.  P.M.

REMIT PAYMENT TO:  
 SWIFT SERVICES, INC.  
 P.O. BOX 466  
 NESS CITY, KS 67560  
 785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE		
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				P61	7850 00
WE UNDERSTOOD AND MET YOUR NEEDS?				P62	5952 85
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				sub TOTAL	13,802 85
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Sheridan TAX 8.3%	885 20
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	14,688 05
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					





316 622 1400

# ALLIED CEMENTING CO., LLC. 035252

Federal Tax I.D.# 20-5976804

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

SERVICE POINT:

Oakley

DATE <u>3-12-12</u>	SEC <u>11</u>	TWP. <u>10s</u>	RANGE <u>2W</u>	CALLED OUT	ON LOCATION <u>3-13-12</u>	JOB START <u>1:30Am</u>	JOB FINISH <u>2:00Am</u>
LEASE <u>Bitter</u>	WELL# <u>1-11</u>	LOCATION <u>Quarter 3 E 9N</u>	COUNTY <u>Shawnee</u>		STATE <u>KS</u>		
OLD OR (NEW) (Circle one)		<u>1W 1N 1/2 E S into</u>					

CONTRACTOR Makerick  
 TYPE OF JOB Surface  
 HOLE SIZE 12 1/4 T.D. 253'  
 CASING SIZE 8 7/8 DEPTH 253  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX MINIMUM  
 MEAS. LINE SHOE JOINT  
 CEMENT LEFT IN CSG. 15'  
 PERFS.  
 DISPLACEMENT 13 BBL

OWNER  
 CEMENT  
 AMOUNT ORDERED 160 SKS COM  
3900 20 GEL

COMMON	<u>160 SKS</u>	@ <u>16.25</u>	<u>2600.00</u>
POZMIX		@	
GEL	<u>3 SKS</u>	@ <u>21.25</u>	<u>63.75</u>
CHLORIDE	<u>2 SKS</u>	@ <u>58.10</u>	<u>349.20</u>
ASC		@	

EQUIPMENT  
 PUMP TRUCK CEMENTER Andrew  
 # 423-281 HELPER Jerry  
 BULK TRUCK  
 # 347 DRIVER Brandon  
 BULK TRUCK  
 # DRIVER

HANDLING	<u>169 SKS</u>	@ <u>2.25</u>	<u>380.25</u>
MILEAGE	<u>114 SK/mile</u>		<u>892.72</u>
TOTAL			<u>4285.12</u>

REMARKS:

Cement did circulate

Thank you

CHARGE TO: Red oak  
 STREET  
 CITY STATE ZIP

### SERVICE

DEPTH OF JOB	<u>253'</u>		
PUMP TRUCK CHARGE			<u>1125.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>48 miles</u>	@ <u>7.00</u>	<u>336.00</u>
MANIFOLD	<u>head</u>	@	<u>200.00</u>
Light vehicle		@ <u>4.00</u>	<u>192.00</u>
TOTAL			<u>1853.00</u>

### PLUG & FLOAT EQUIPMENT

	@		
	@		
	@		
	@		
TOTAL			

I, Jeremy Suckey, of 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 Jeremy Suckey  
 SIGNATURE [Signature]

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Red Oak Energy Inc.  
7701 E Kellogg Dr. STE 710  
PO Box 783140  
Wichita, KS 67207  
ATTN: Sean Deenihan

**11/10s/26w Sheridan KS**

**Bittel #1-11**

Job Ticket: 45652

**DST#: 3**

Test Start: 2012.03.18 @ 06:16:05

## GENERAL INFORMATION:

Formation: **LKC "E - G"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 08:21:00  
 Time Test Ended: 12:56:59  
 Interval: **3939.00 ft (KB) To 3978.00 ft (KB) (TVD)**  
 Total Depth: 3978.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: James Winder  
 Unit No: 57  
 Reference Elevations: 2611.00 ft (KB)  
 2603.00 ft (CF)  
 KB to GR/CF: 8.00 ft

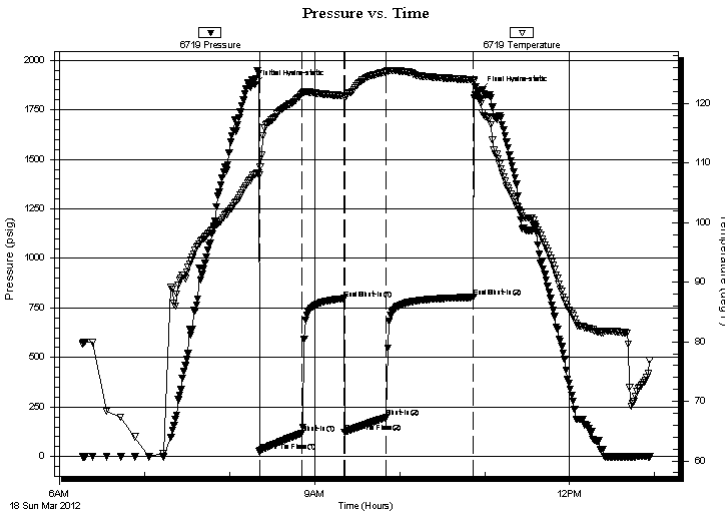
## Serial #: 6719

Inside

Press @ RunDepth: 196.42 psig @ 3940.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2012.03.18 End Date: 2012.03.18 Last Calib.: 2012.03.18  
 Start Time: 06:16:05 End Time: 12:56:59 Time On Btm: 2012.03.18 @ 08:18:00  
 Time Off Btm: 2012.03.18 @ 10:56:29

**TEST COMMENT:** 30 - IF: Blow built to BOB (11") in 13 1/4 min.  
 30 - IS: Bled off, Blow back built to 1/8"  
 30 - FF: Blow built to BOB in 18 min.  
 60 - FS: Bled off, Blow back built to 1/8"

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1877.59	108.08	Initial Hydro-static
3	24.78	108.07	Open To Flow (1)
33	117.63	121.66	Shut-In(1)
63	797.47	121.30	End Shut-In(1)
63	123.03	121.09	Open To Flow (2)
93	196.42	125.30	Shut-In(2)
154	803.98	123.98	End Shut-In(2)
159	1845.67	120.71	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	WCM w/oil spots 63% <i>m</i> , 36% <i>w</i> , 1% <i>o</i>	0.15
155.00	MCW w/oil spots 91% <i>w</i> , 8% <i>m</i> , 1% <i>o</i>	2.17
124.00	MW w/oil spots 56% <i>w</i> , 43% <i>m</i> , 1% <i>o</i>	1.74
62.00	SOC/WM 56% <i>m</i> , 41% <i>w</i> , 3% <i>o</i>	0.87
30.00	CO 98% <i>o</i> , 1% <i>g</i> , 1% <i>m</i>	0.42
0.00	GIP = 40'	0.00

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

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**FLUID SUMMARY**

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7701 E Kellogg Dr. STE 710  
PO Box 783140  
Wichita, KS 67207  
ATTN: Sean Deenihan

**Bittel #1-11**

Job Ticket: 45652

**DST#: 3**

Test Start: 2012.03.18 @ 06:16:05

## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 44.00 sec/qt  
Water Loss: 7.94 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 1700.00 ppm  
Filter Cake: 2.00 inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: 36.2 deg API  
Water Salinity: 75000 ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	WCM w/oil spots 63% <i>m</i> , 36% <i>w</i> , 1% <i>o</i>	0.148
155.00	MCW w/oil spots 91% <i>w</i> , 8% <i>m</i> , 1% <i>o</i>	2.174
124.00	MW w/oil spots 56% <i>w</i> , 43% <i>m</i> , 1% <i>o</i>	1.739
62.00	SOC/WM 56% <i>m</i> , 41% <i>w</i> , 3% <i>o</i>	0.870
30.00	CO 98% <i>o</i> , 1% <i>g</i> , 1% <i>m</i>	0.421
0.00	GIP = 40'	0.000

Total Length: 401.00 ft      Total Volume: 5.352 bbl

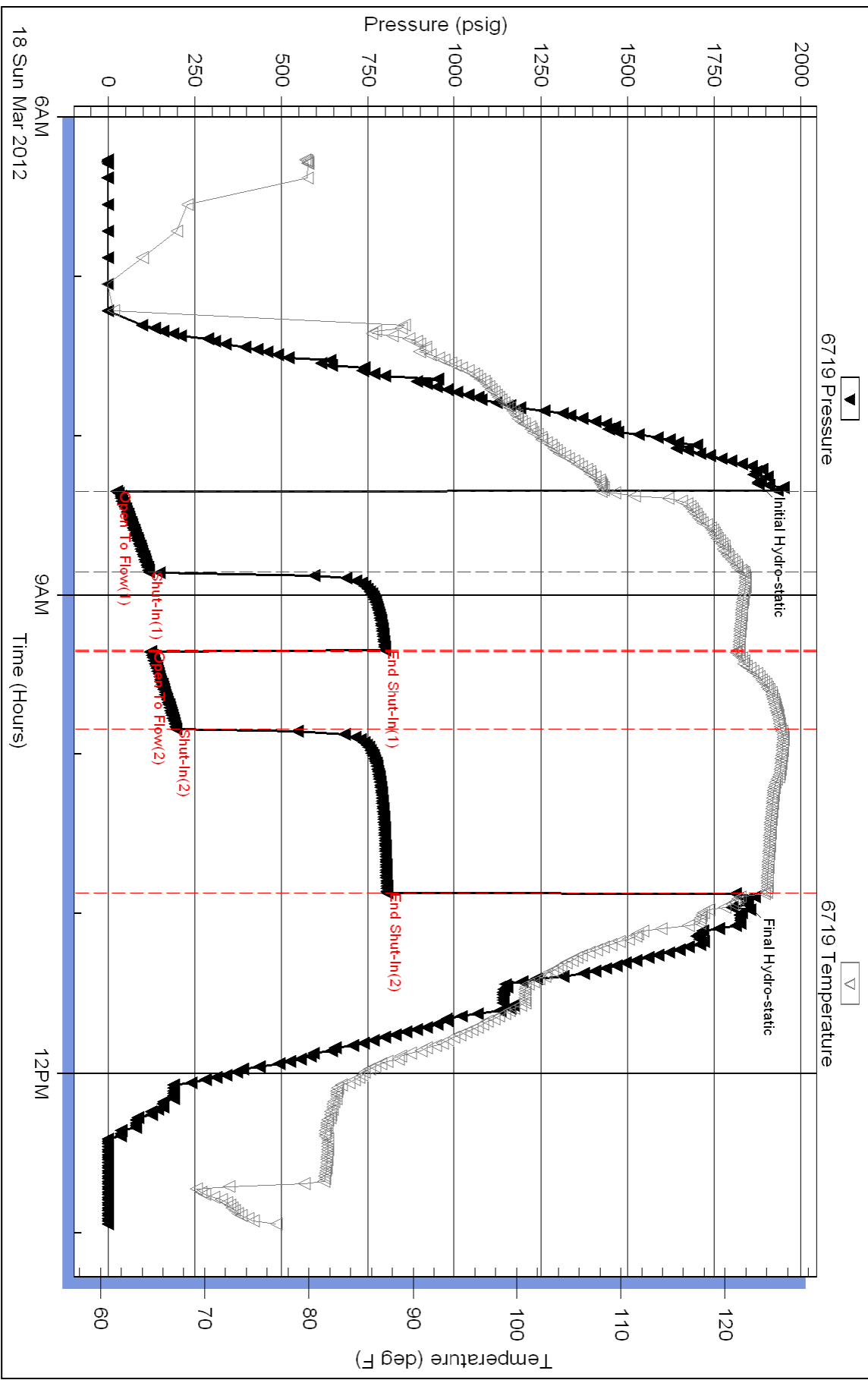
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments: Gravity - 38 api @ 78 deg F Corrected = 36.2 api  
RW = .097 ohms @ 76.8 deg F Chlorides = 75,000 ppm



# Pressure vs. Time





**TRILOBITE  
TESTING, INC.**

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Red Oak Energy Inc.  
7701 E Kellogg Dr. STE 710  
PO Box 783140  
Wichita, KS 67207  
ATTN: Sean Deenihan

**11/10s/26w Sheridan KS**

**Bittel #1-11**

Job Ticket: 45653

**DST#: 4**

Test Start: 2012.03.19 @ 00:04:00

## GENERAL INFORMATION:

Formation: **LKC "H - J"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 02:41:30  
 Time Test Ended: 08:42:00  
 Interval: **3993.00 ft (KB) To 4064.00 ft (KB) (TVD)**  
 Total Depth: 4064.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: James Winder  
 Unit No: 57  
 Reference Elevations: 2611.00 ft (KB)  
 2603.00 ft (CF)  
 KB to GR/CF: 8.00 ft

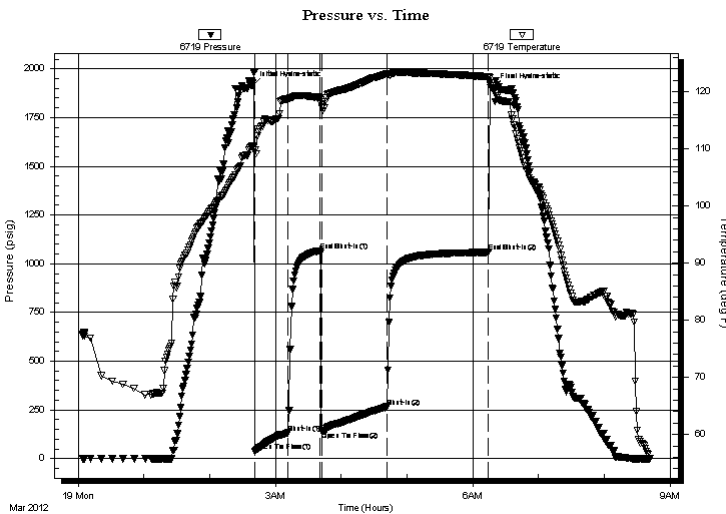
## Serial #: 6719

Inside

Press @ Run Depth: 265.49 psig @ 3994.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2012.03.19 End Date: 2012.03.19 Last Calib.: 2012.03.19  
 Start Time: 00:04:05 End Time: 08:42:00 Time On Btm: 2012.03.19 @ 02:39:00  
 Time Off Btm: 2012.03.19 @ 06:18:30

**TEST COMMENT:** 30 - IF: Blow built to BOB (11") in 5 1/2 min.  
 30 - IS: Bled off, Blow back built to 5"  
 60 - FF: Blow built to BOB in 6 1/4 min.  
 90 - FS: Bled off, Blow back built to BOB in 13 min.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1913.83	110.46	Initial Hydro-static
3	35.53	109.79	Open To Flow (1)
32	130.94	118.67	Shut-In(1)
62	1067.36	118.95	End Shut-In(1)
63	140.56	117.90	Open To Flow (2)
123	265.49	123.06	Shut-In(2)
216	1058.78	122.64	End Shut-In(2)
220	1902.52	120.45	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
185.00	GWOCM 51% <i>m</i> , 29% <i>g</i> , 12% <i>o</i> , 8% <i>w</i>	2.14
125.00	GMO 48% <i>g</i> , 27% <i>o</i> , 25% <i>m</i>	1.61
340.00	CGO 67% <i>o</i> , 33% <i>g</i>	4.38
0.00	GIP = 1275'	0.00

\* Recovery from multiple tests

## Gas Rates

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



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TESTING, INC.**

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**11/10s/26w Sheridan KS**

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PO Box 783140  
Wichita, KS 67207  
ATTN: Sean Deenihan

**Bittel #1-11**

Job Ticket: 45653

**DST#: 4**

Test Start: 2012.03.19 @ 00:04:00

## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 51.00 sec/qt  
Water Loss: 7.20 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 3800.00 ppm  
Filter Cake: 2.00 inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: 37.8 deg API  
Water Salinity: ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
185.00	GWOCM 51%m, 29%g, 12%o, 8%w	2.143
125.00	GMO 48%g, 27%o, 25%m	1.609
340.00	CGO 67%o, 33%g	4.376
0.00	GIP = 1275'	0.000

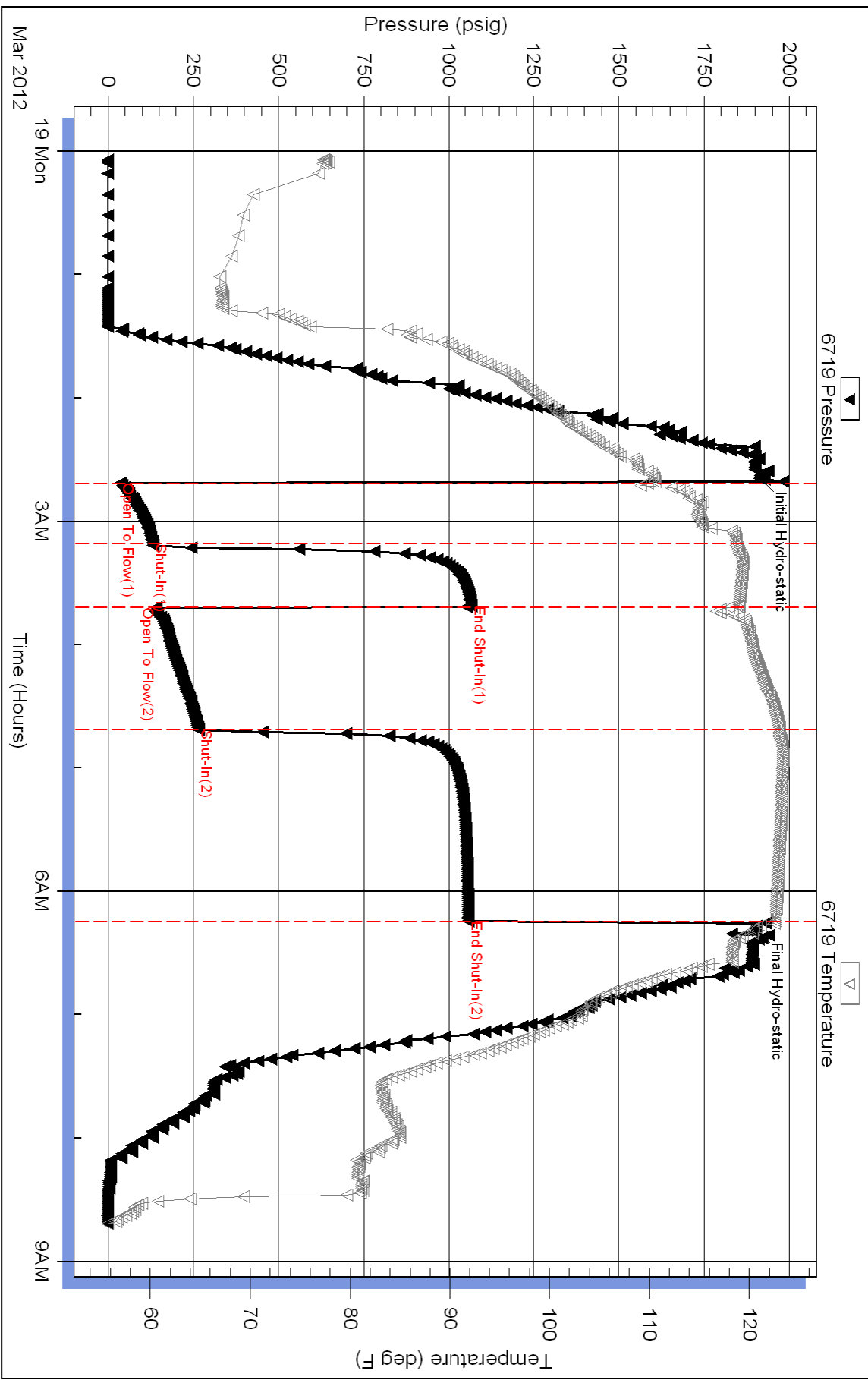
Total Length: 650.00 ft      Total Volume: 8.128 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments: Gravity = 37.2 api @ 54 deg F  
Corrected Gravity = 37.8 api

### Pressure vs. Time





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PO Box 783140  
Wichita, KS 67207  
ATTN: Sean Deenihan

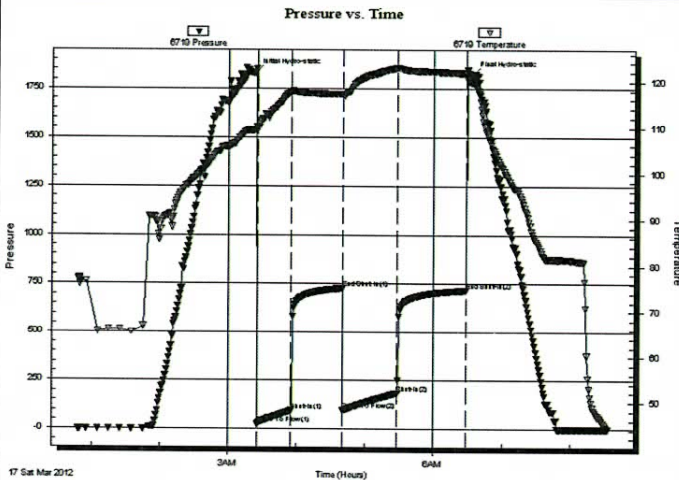
**11-10s-26w Sheridan KS**  
**Bittel #1-11**  
Job Ticket: 042999      **DST#: 1**  
Test Start: 2012.03.17 @ 00:48:00

## GENERAL INFORMATION:

Formation: **Toronto - LKC "A"**  
Deviated: No Whipstock:                      ft (KB)  
Time Tool Opened: 03:25:30  
Time Test Ended: 08:32:30  
Interval: **3840.00 ft (KB) To 3886.00 ft (KB) (TVD)**  
Total Depth: 3886.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Reference Elevations: 2611.00 ft (KB)  
2603.00 ft (CF)  
KB to GR/CF: 8.00 ft  
Test Type: Conventional Bottom Hole (Initial)  
Tester: James Winder  
Unit No: 57

**Serial #: 6719**      **Inside**  
Press@RunDepth: 185.12 psig @ 3841.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2012.03.17      End Date: 2012.03.17      Last Calib.: 2012.03.17  
Start Time: 00:48:05      End Time: 08:32:29      Time On Btm: 2012.03.17 @ 03:23:30  
Time Off Btm: 2012.03.17 @ 06:34:00

**TEST COMMENT:** 30 - IF: Blow built to BOB (11") in 22 min.  
45 - IS: Bled off, No blow back  
45 - FF: Blow built to BOB in 29 3/4 min.  
60 - FS: Bled off, No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1829.69	109.57	Initial Hydro-static
2	23.28	110.07	Open To Flow (1)
32	93.72	117.82	Shut-In(1)
77	728.10	117.30	End Shut-In(1)
77	97.07	117.05	Open To Flow (2)
125	185.12	123.03	Shut-In(2)
185	718.30	121.87	End Shut-In(2)
191	1822.82	119.80	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
62.00	MCW 72%w, 28%m Trace of oil	0.56
185.00	MCW 91%w, 9%m, Trace of oil	2.38
125.00	MW 57%w, 43%m Trace of oil	1.61

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Red Oak Energy Inc.

**11-10s-26w Sheridan KS**

7701 E Kellogg Dr. STE 710

**Bittel #1-11**

PO Box 783140

Wichita, KS 67207

Job Ticket: 042999

**DST#: 1**

ATTN: Sean Deenihan

Test Start: 2012.03.17 @ 00:48:00

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 44.00 sec/qt

Water Loss: 7.93 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 1700.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: deg API

Water Salinity: 92000 ppm

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	MCW 72%w , 28%m Trace of oil	0.559
185.00	MCW 91%w , 9%m, Trace of oil	2.381
125.00	MW 57%w , 43%m Trace of oil	1.609

Total Length: 372.00 ft      Total Volume: 4.549 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments: RW = .118 ohms @ 50.3 deg F

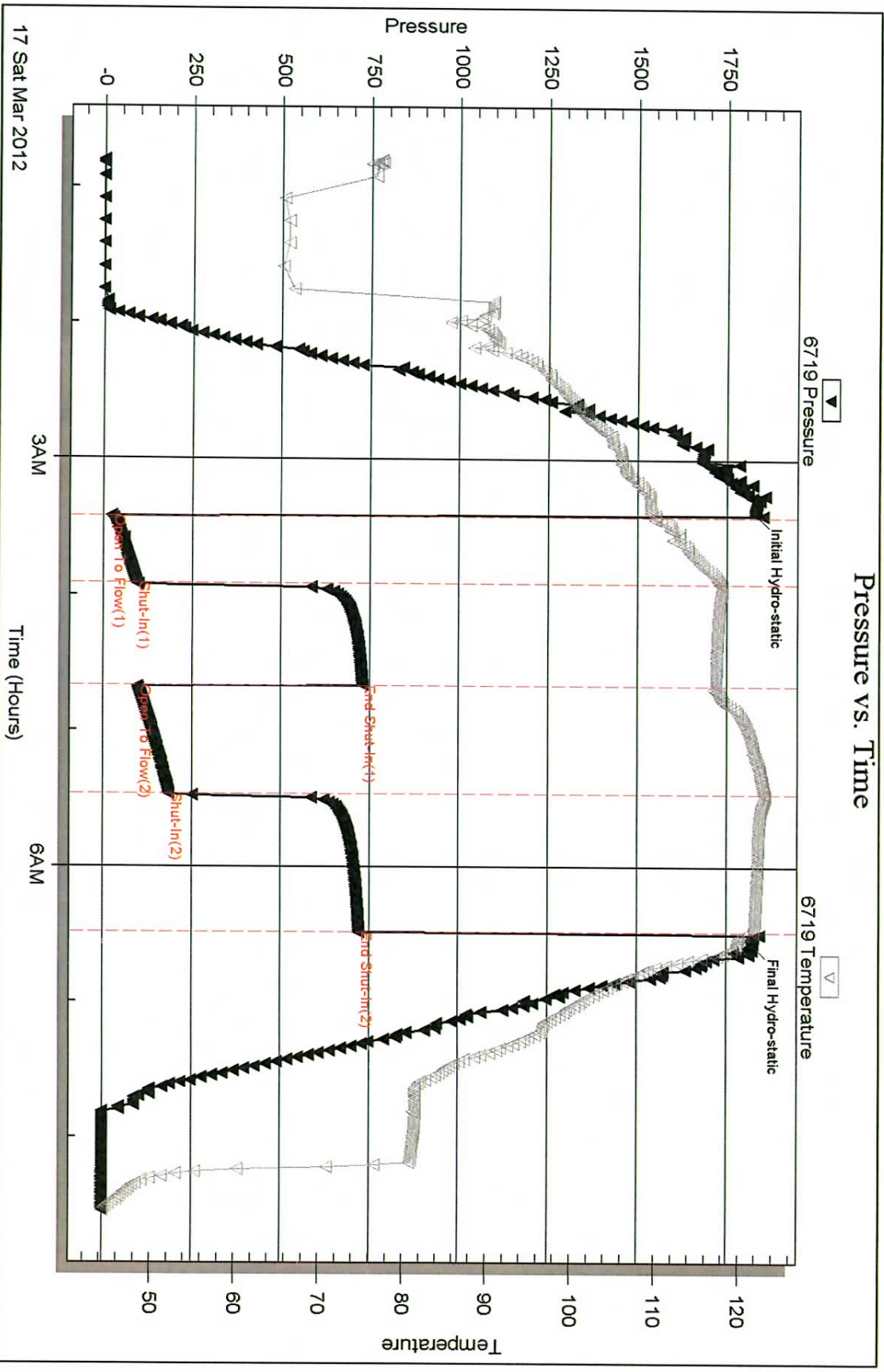
Serial #: 6719

Inside

Red Oak Energy Inc.

Bittel #1-11

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 042999

Printed: 2012.03.22 @ 12:09:54



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Red Oak Energy Inc.  
7701 E Kellogg Dr. STE 710  
PO Box 783140  
Wichita, KS 67207  
ATTN: Sean Deenihan

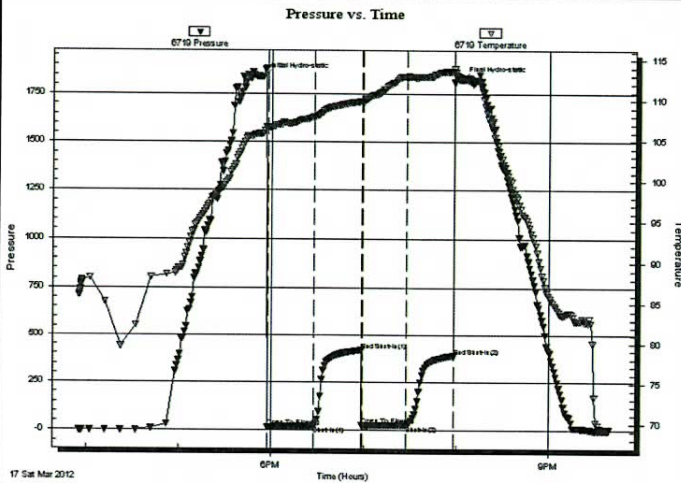
**11-10s-26w Sheridan KS**  
**Bittel #1-11**  
Job Ticket: 45651      **DST#: 2**  
Test Start: 2012.03.17 @ 15:55:00

## GENERAL INFORMATION:

Formation: **LKC "B - D"**  
Deviated: No      Whipstock:      ft (KB)  
Time Tool Opened: 17:57:30  
Time Test Ended: 21:38:30  
Interval: **3890.00 ft (KB) To 3929.00 ft (KB) (TVD)**  
Total Depth: 3929.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches      Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Reset)  
Tester: James Winder  
Unit No: 57  
Reference Elevations: 2611.00 ft (KB)  
2603.00 ft (CF)  
KB to GR/CF: 8.00 ft

**Serial #: 6719      Inside**  
Press@RunDepth: 27.92 psig @ 3891.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2012.03.17      End Date: 2012.03.17      Last Calib.: 2012.03.17  
Start Time: 15:55:05      End Time: 21:38:29      Time On Btm: 2012.03.17 @ 17:54:30  
Time Off Btm: 2012.03.17 @ 20:03:00

TEST COMMENT: 30 - IF: Blow built to 1 1/4"  
30 - IS: Bled off, No blow back  
30 - FF: Blow started at 14 min., built to 1/4"  
30 - FS: Bled off, No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1839.41	105.92	Initial Hydro-static
3	15.99	106.58	Open To Flow (1)
33	23.13	108.03	Shut-In(1)
64	419.54	109.89	End Shut-In(1)
64	23.64	109.75	Open To Flow (2)
93	27.92	112.88	Shut-In(2)
124	390.25	113.57	End Shut-In(2)
129	1823.18	112.76	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud w/Oil spots 97% <sub>m</sub> , 3% <sub>o</sub>	0.39

\* 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.  
7701 E Kellogg Dr. STE 710  
PO Box 783140  
Wichita, KS 67207  
ATTN: Sean Deenihan

**11-10s-26w Sheridan KS**  
**Bittel #1-11**  
Job Ticket: 45651      **DST#: 2**  
Test Start: 2012.03.17 @ 15:55:00

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 43.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.35 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: 2.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Mud w/Oil spots 97% <sub>m</sub> , 3% <sub>o</sub>	0.386

Total Length: 30.00 ft      Total Volume: 0.421 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:

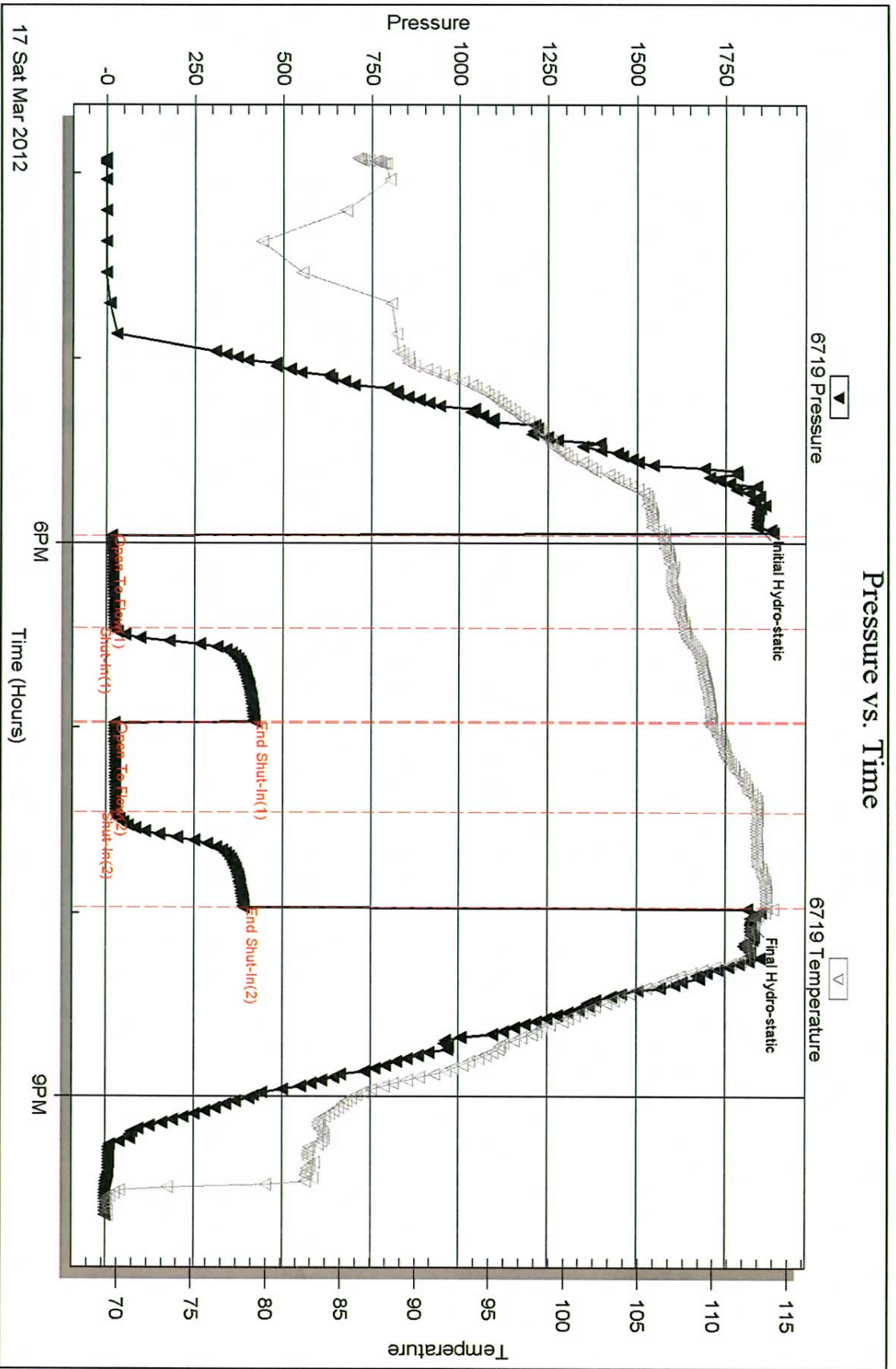
Serial #: 6719

Inside

Red Oak Energy Inc.

Bittel #1-11

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 45651

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