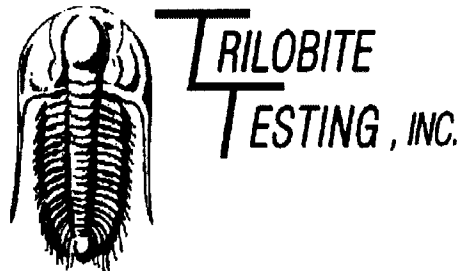


15-199-20310

29-15s-41w



DRILL STEM TEST REPORT

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

7701 E. Kellogg Ste #170
Wichita KS 67207

ATTN: Scott Banks

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29-15S-41W Wallace

Johnson Trust #1-29

Start Date: 2003.11.28 @ 13:00:16

End Date: 2003.11.28 @ 21:09:06

Job Ticket #: 18027

DST #: 1

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Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Red Oak Energy Inc.

7701 E. Kellogg Ste #170
Wichita KS 67207

ATTN: Scott Banks

Johnson Trust #1-29

29-15S-41W Wallace

Job Ticket: 18027

DST#: 1

Test Start: 2003.11.28 @ 13:00:16

GENERAL INFORMATION:

Formation: **Lower Morrow**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 15:43:06

Time Test Ended: 21:09:06

Interval: **5063.00 ft (KB) To 5175.00 ft (KB) (TVD)**

Total Depth: **5175.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

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Test Type: **Conventional Bottom Hole**

Tester: **Rod Steinbrink**

Unit No: **22**

Reference Elevations: **3819.00 ft (KB)**

3807.00 ft (CF)

KB to GR/CF: **12.00 ft**

Serial #: **6799**

Inside

Press@RunDepth: **156.69 psig @ 5064.00 ft (KB)**

Start Date: **2003.11.28**

End Date:

2003.11.28

Start Time: **13:00:16**

End Time:

21:09:06

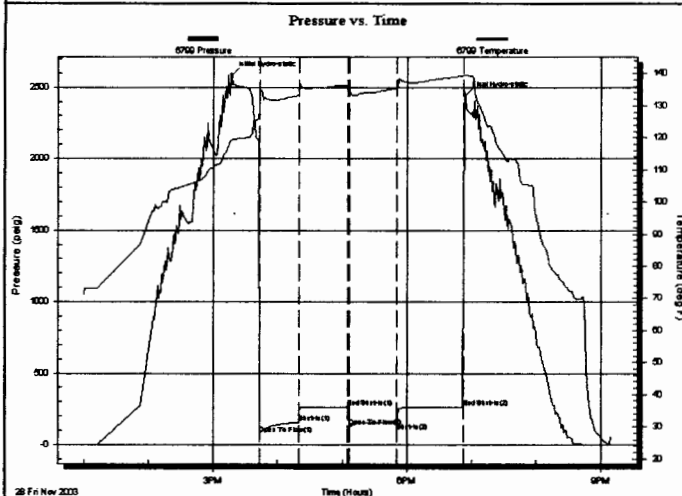
Capacity: **7000.00 psig**

Last Calib.: **1899.12.30**

Time On Btm: **2003.11.28 @ 15:17:06**

Time Off Btm: **2003.11.28 @ 18:53:36**

TEST COMMENT: **IF; Strong blow off btm <1 min GTS @ 8 mins**
IS; Surface return built to 8"
FF; Strong return - gauged 36# on 1/2" choke = 339.983 mcf/day
FS; Surface return built to 6"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2586.20	119.22	Initial Hydro-static
26	74.28	128.81	Open To Flow (1)
62	157.73	133.30	Shut-In (1)
108	263.76	136.40	End Shut-In (1)
110	127.90	134.79	Open To Flow (2)
153	156.69	135.51	Shut-In (2)
215	262.39	139.29	End Shut-In (2)
217	2443.39	139.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
200.00	SGOCM 10%gas 5%oil 85%mud	0.98

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	45.00	22.23
Last Gas Rate	0.50	36.00	339.98
Max. Gas Rate	0.13	65.00	29.72



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TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Red Oak Energy Inc.

Johnson Trust #1-29

7701 E. Kellogg Ste #170
Wichita KS 67207

29-15S-41W Wallace

Job Ticket: 18027

DST#: 1

ATTN: Scott Banks

Test Start: 2003.11.28 @ 13:00:16

Tool Information

Drill Pipe:	Length: 4453.00 ft	Diameter: 3.80 inches	Volume: 62.46 bbl	Tool Weight:	2000.00 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: 583.00 ft	Diameter: 2.25 inches	Volume: 2.87 bbl	Weight to Pull Loose:	110000.0 lb
			Total Volume: 65.33 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	0.00 ft			String Weight: Initial	94000.00 lb
Depth to Top Packer:	5063.00 ft			Final	98000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	116.00 ft				
Tool Length:	143.00 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			5041.00	
Hydraulic tool	5.00			5046.00	
Jars	5.00			5051.00	
Safety Joint	2.00			5053.00	
Packer	5.00			5058.00	27.00 Bottom Of Top Packer
Packer	5.00			5063.00	
Stubb	1.00			5064.00	
Recorder	0.00	6799	Inside	5064.00	
Perforations	14.00			5078.00	
Change Over Sub	1.00			5079.00	
Anchor	94.00			5173.00	
Change Over Sub	1.00			5174.00	
Recorder	0.00	13371	Outside	5174.00	
Bullnose	5.00			5179.00	116.00 Bottom Packers & Anchor

Total Tool Length: 143.00

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DRILL STEM TEST REPORT

FLUID SUMMARY

Red Oak Energy Inc.

Johnson Trust #1-29

7701 E. Kellogg Ste #170
Wichita KS 67207

29-15S-41W Wallace

Job Ticket: 18027

DST#: 1

ATTN: Scott Banks

Test Start: 2003.11.28 @ 13:00:16

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: 56.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.48 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
200.00	SGOCM 10%gas 5%oil 85%mud	0.984

Total Length: 200.00 ft

Total Volume: 0.984 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

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DRILL STEM TEST REPORT

GAS RATES

Red Oak Energy Inc.

Johnson Trust #1-29

7701 E Kellogg Ste #170
Wichita KS 67207

29-15S-41W Wallace

Job Ticket: 18027

DST#: 1

ATTN: Scott Banks

Test Start: 2003.11.28 @ 13:00:16

Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m³/d)
1	10	0.13	45.00	22.23
1	20	0.13	58.00	27.10
1	30	0.13	65.00	29.72
2	10	0.13	45.00	22.23
2	20	0.50	34.00	326.49
2	30	0.50	34.00	326.49
2	40	0.50	35.00	333.24
2	45	0.50	36.00	339.98

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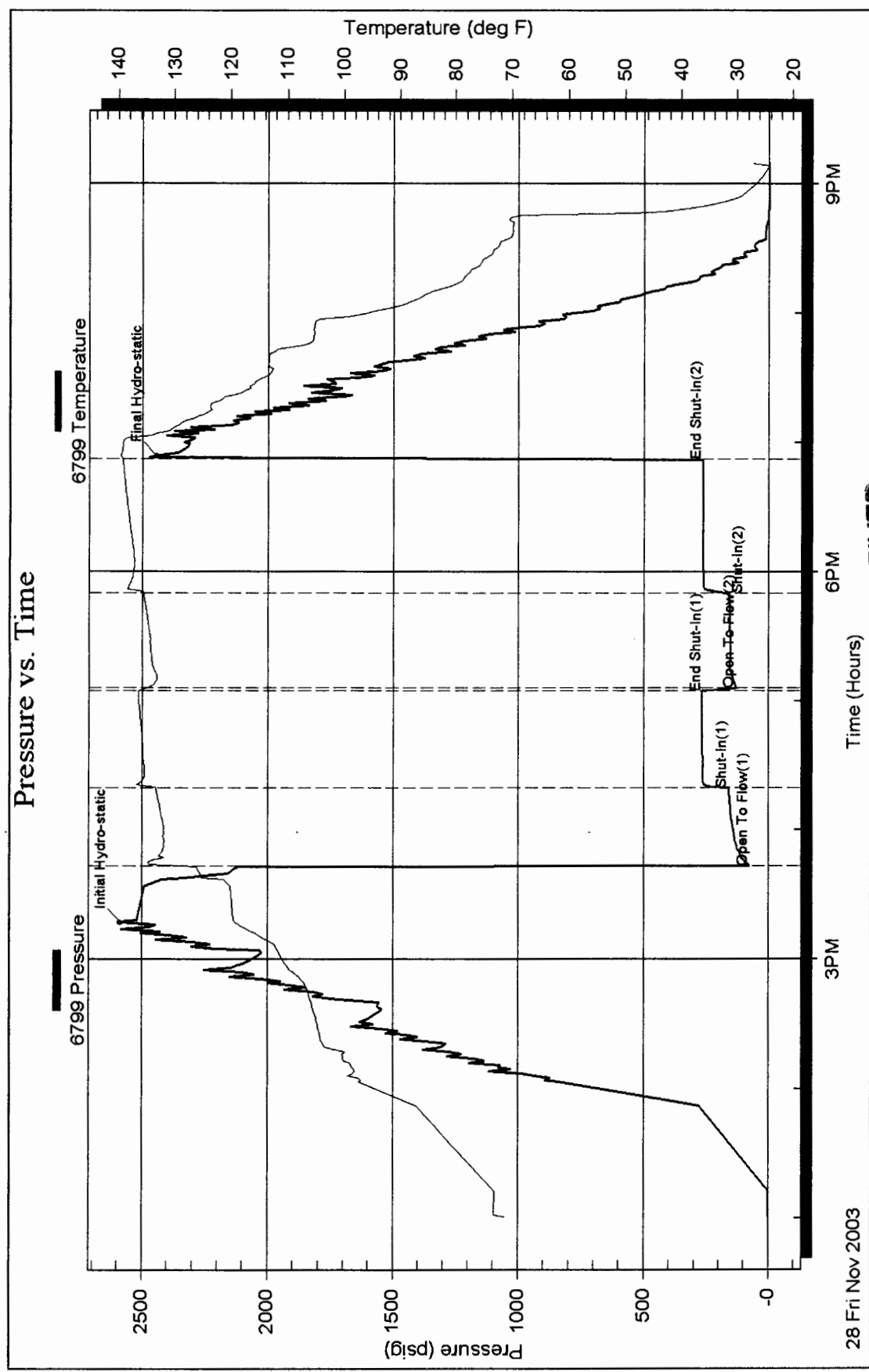
DST Test Number: 1

29-15S-41W Wallace

Red Oak Energy Inc.

Inside

Serial #: 6799



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Ref. No: 18027

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