





Form	ACO1 - Well Completion
Operator	Red Oak Energy, Inc.
Well Name	M&L 1-6
Doc ID	1714282

All Electric Logs Run

DIL
CDL/CNL/PE
SON
MEL

Form	ACO1 - Well Completion
Operator	Red Oak Energy, Inc.
Well Name	M&L 1-6
Doc ID	1714282

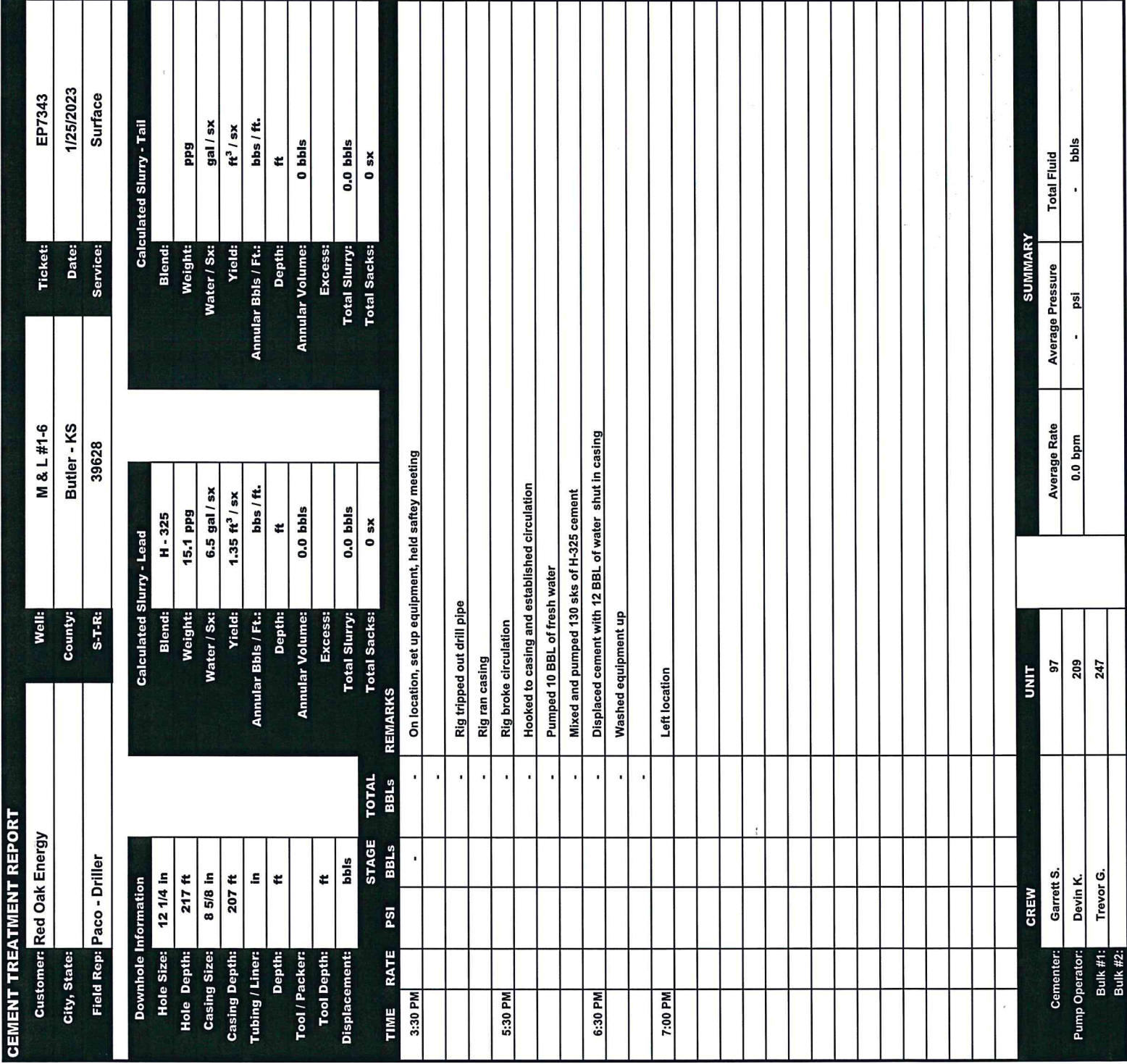
#### Tops

Name	Top	Datum
Lansing	1741	-172
Kansas City	2054	-485
B/Kansas City	2270	-701
Altamont	2381	-812
Cherokee	2529	-960
Miss Ls	2806	-1237
Miss Dolo	2864	-1295
Kinderhook	3138	-1569

Form	ACO1 - Well Completion
Operator	Red Oak Energy, Inc.
Well Name	M&L 1-6
Doc ID	1714282

#### Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	207	H-325	130	2%gel/3%cc
Production	7.875	5.5	15.5	3013	H-Long	225	5%gilsonite/10%salt/5%FlowSeal/5%gypsum/.25%defoamer/.6%friction reducer



Hurricane Services, Inc.  
250 N. Water St., Suite #200  
Wichita, KS 67202



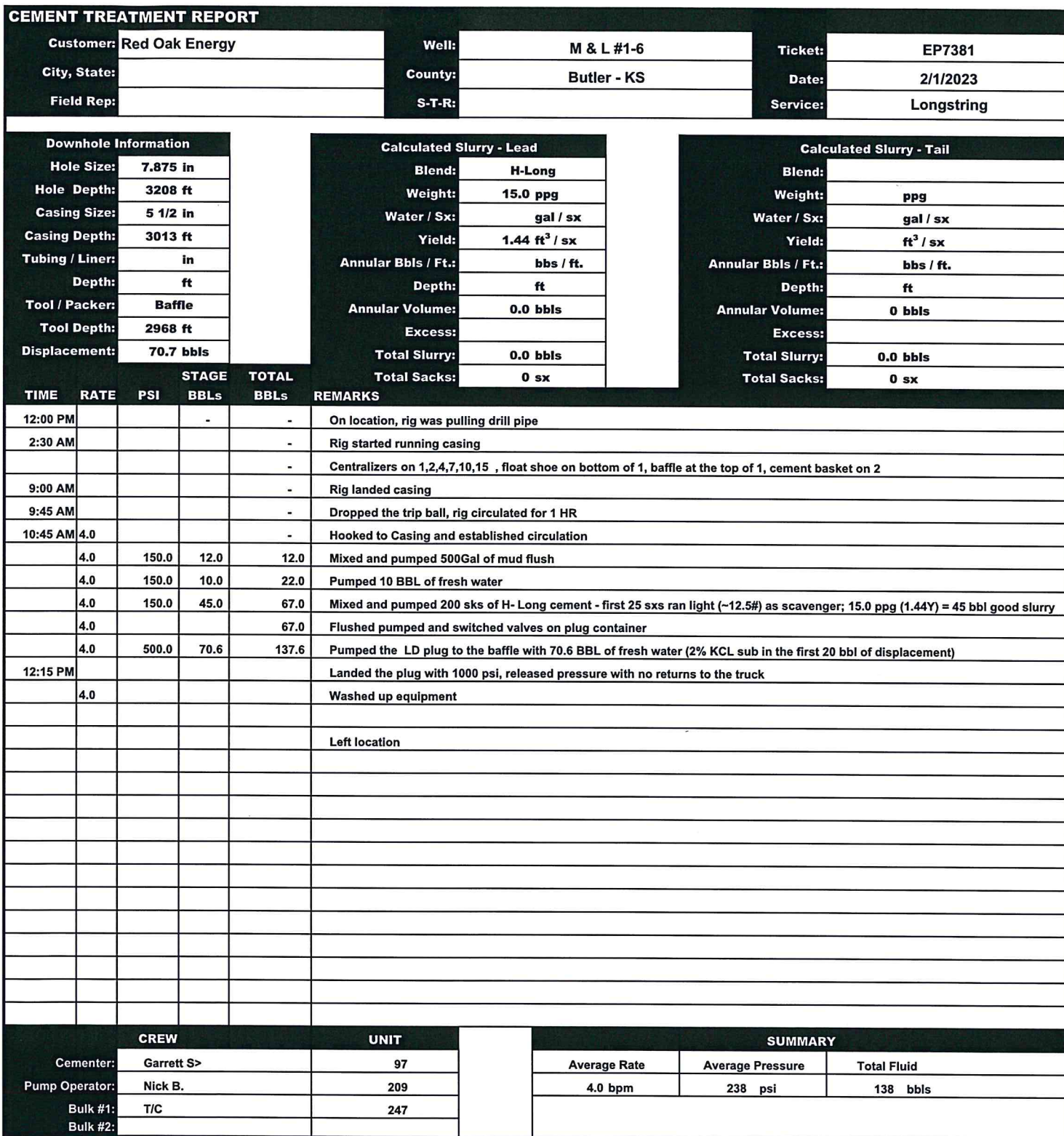
<b>Customer</b> Red Oak Energy		<b>Lease &amp; Well #</b> M & L #1-6		<b>Date</b> 2/1/2023	
<b>Service District</b> Garnett		<b>County &amp; State</b> Butler - KS		<b>Job #</b>	
<b>Job Type</b> Longstring	<input checked="" type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> SWD	<b>Legals S/T/R</b> New Well? <input checked="" type="checkbox"/> YES <input type="checkbox"/> No		<b>Ticket #</b> EP7381	
<b>Equipment #</b>	<b>Driver</b>	<b>Job Safety Analysis - A Discussion of Hazards &amp; Safety Procedures</b>			
97	Garrett S>	<input type="checkbox"/> Hard hat	<input type="checkbox"/> Gloves	<input type="checkbox"/> Lockout/Tagout	<input type="checkbox"/> Warning Signs & Flagging
209	Nick B.	<input type="checkbox"/> H2S Monitor	<input type="checkbox"/> Eye Protection	<input type="checkbox"/> Required Permits	<input type="checkbox"/> Fall Protection
247	T/C	<input type="checkbox"/> Safety Footwear	<input type="checkbox"/> Respiratory Protection	<input type="checkbox"/> Slip/Trip/Fall Hazards	<input type="checkbox"/> Specific Job Sequence/Expectations
		<input type="checkbox"/> FRC/Protective Clothing	<input type="checkbox"/> Additional Chemical/Acid PPE	<input type="checkbox"/> Overhead Hazards	<input type="checkbox"/> Muster Point/Medical Locations
		<input type="checkbox"/> Hearing Protection	<input type="checkbox"/> Fire Extinguisher	<input type="checkbox"/> Additional concerns or issues noted below	
<b>Comments</b>					
Set 3013' +/- of 5.5" casing in 7.875" well; HLong (15.0# 1.44Y) estimated TOC at 35% excess - 1775'; water supplied by rig;					

Product/ Service Code	Description	Unit of Measure	Quantity	Net Amount
M010	Heavy Equipment Mileage	mi	40.00	\$160.00
M015	Light Equipment Mileage	mi	40.00	\$80.00
M020	Ton Mileage	tm	439.00	\$658.50
D014	Depth Charge: 3001'-4000'	job	1.00	\$2,250.00
CP030	H-Long	sack	200.00	\$7,000.00
CP170	Mud Flush	gal	500.00	\$500.00
FE125	5 1/2" Centralizer	ea	6.00	\$360.00
FE130	5 1/2" Cement Basket	ea	1.00	\$300.00
FE145	5 1/2" Float Shoe - AFU Flapper Type	ea	1.00	\$375.00
FE170	5 1/2" Latch Down Plug & Baffle	ea	1.00	\$350.00
C050	Cement Plug Container	job	1.00	\$250.00
C060	Cement Blending & Mixing Service	sack	200.00	\$280.00
AF055	Liquid KCL Substitute	gal	1.00	\$30.00
R061	Service Supervisor	day	1.00	\$275.00
<b>Customer Section: On the following scale how would you rate Hurricane Services Inc.?</b>				
<b>Based on this job, how likely is it you would recommend HSI to a colleague?</b> <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> 10			<b>Total Taxable</b> \$ -	<b>Tax Rate:</b>
<b>State tax laws deem certain products and services used on new wells to be sales tax exempt. Hurricane Services relies on the customer provided well information above to make a determination if services and/or products are tax exempt.</b>			<b>Sale Tax:</b> \$ -	<b>Total:</b> \$ 12,868.50
<b>HSI Representative:</b> <i>Garnett Scott</i>				

**TERMS:** Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 1/2% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Any discount is based on 30 days net payment terms or cash. **DISCLAIMER NOTICE:** Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations made concerning the results from the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment in acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well information in determining taxable services.

X \_\_\_\_\_ **CUSTOMER AUTHORIZATION SIGNATURE**







ISight Syst  
:240 (5"=100')  
asured Depth

Scale 1:240 (5"=100') Imperial  
Measured Depth Log

AP# 15-013-24195  
Location: Sec 6 - T29S - R8E  
License Number: 3581  
Spud Date: 1/25/2022  
Surface Coordinates: NAD27 Long: -96.567804  
NAD27 Lat: 37.554107  
Bottom Hole Coordinates:  
Ground Elevation (ft): 1557  
Logged Interval (ft): 1700 To: 3208  
Formation: Arkuckle  
Type of Drilling Fluid: Chemical Mud  
K.B. Elevation (ft): 1561  
Total Depth (ft): 3208  
Printed by MudLog from WellSight System

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**OPERATOR**

Company: Red Oak Energy, Inc.  
Address: 7701 E. Kellogg Dr. Ste. 710  
Wichita, KS 67207

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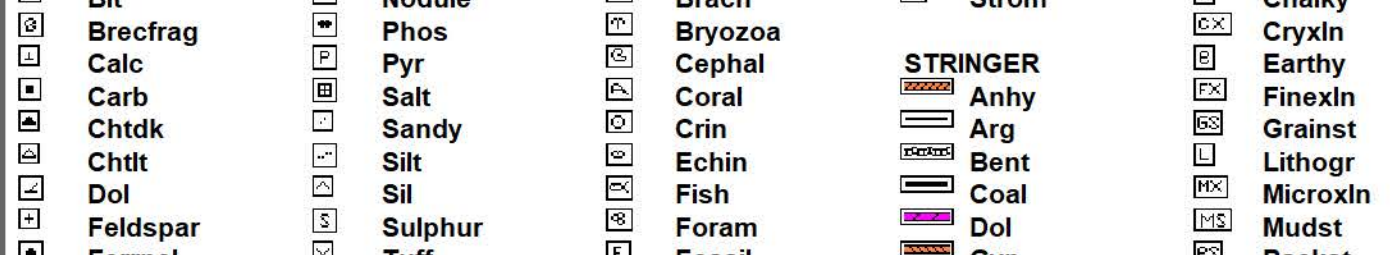
re 710

**Address:** 7701 E. Kellogg Dr. Ste. 710  
Wichita, KS 67207

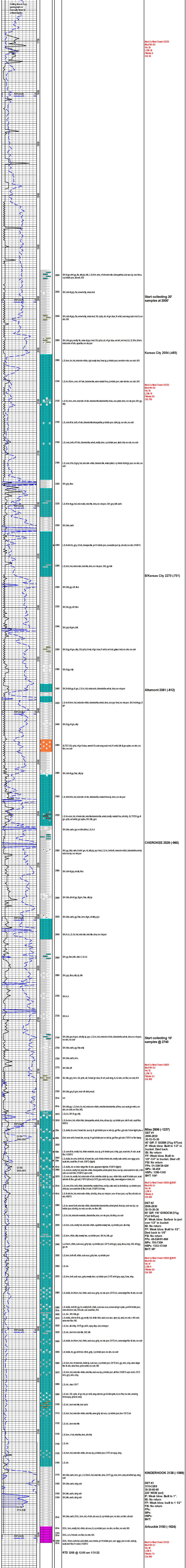
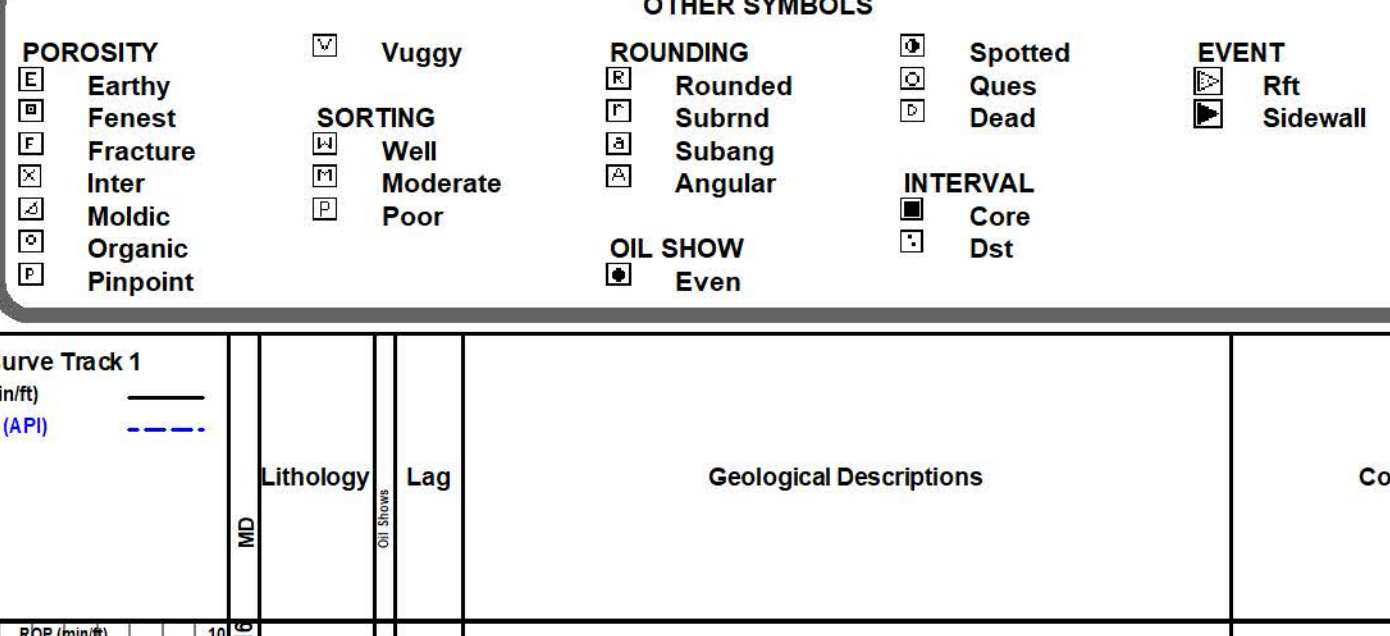
**Lmst**  
**Meta**

 **Fossil**

**Bioclst  
Brach**



## OTHER SYMBOL







## DRILL STEM TEST REPORT

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

7701 E Kellogg DR STE 710  
Wichita, KS. 67202

ATTN: Ryan Davis

**M & L #1-6**

**6-29s-8e Butler,KS**

Start Date: 2023.01.28 @ 18:24:52

End Date: 2023.01.29 @ 06:11:07

Job Ticket #: 68492                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2023.02.02 @ 10:58:56



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Red Oak Energy, Inc.

**6-29s-8e Butler,KS**

7701 E Kellogg DR STE 710  
Wichita, KS. 67202

**M & L #1-6**

Job Ticket: 68492

**DST#: 1**

ATTN: Ryan Davis

Test Start: 2023.01.28 @ 18:24:52

### GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:19:22

Time Test Ended: 06:11:07

Test Type: Conventional Bottom Hole (Initial)

Tester: Matt Smith

Unit No: 68

**Interval: 2806.00 ft (KB) To 2830.00 ft (KB) (TVD)**

Reference Elevations: 1571.00 ft (KB)

Total Depth: 2830.00 ft (KB) (TVD)

1559.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

**Serial #: 8788 Inside**

Press@RunDepth: 42.13 psig @ 2807.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.01.28

End Date:

2023.01.29

Last Calib.: 2023.01.29

Start Time: 18:24:57

End Time:

06:11:07

Time On Btm: 2023.01.29 @ 00:18:52

Time Off Btm: 2023.01.29 @ 01:50:07

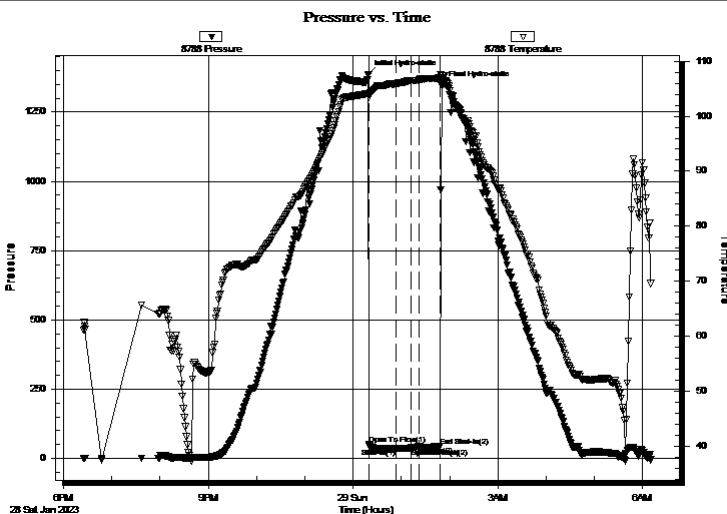
**TEST COMMENT:** IF: Weak Blow . Built to 1/2", in the Bucket. Died back. (30)

IS: No Blow . (15)

FF: Weak Blow . Built 1/8 - 1/4". Died Back. (15)

FS: No Blow . (30)

### PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1386.03	104.11	Initial Hydro-static
1	50.76	103.48	Open To Flow (1)
35	35.32	105.93	Shut-In(1)
54	38.01	106.45	End Shut-In(1)
54	38.21	106.45	Open To Flow (2)
63	42.13	106.53	Shut-In(2)
89	44.65	106.95	End Shut-In(2)
92	1345.43	107.29	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
5.00	GOSM 3%g 97%m	0.04
0.00	60' GIP 100%g	0.00

### Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Red Oak Energy, Inc.

**6-29s-8e Butler, KS**

7701 E Kellogg DR STE 710  
Wichita, KS. 67202

**M & L #1-6**

Job Ticket: 68492

**DST#: 1**

ATTN: Ryan Davis

Test Start: 2023.01.28 @ 18:24:52

### GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:19:22

Time Test Ended: 06:11:07

Test Type: Conventional Bottom Hole (Initial)

Tester: Matt Smith

Unit No: 68

**Interval: 2806.00 ft (KB) To 2830.00 ft (KB) (TVD)**

Total Depth: 2830.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1571.00 ft (KB)

1559.00 ft (CF)

KB to GR/CF: 12.00 ft

**Serial #: 8737 Outside**

Press@RunDepth: psig @ 2807.00 ft (KB)

Start Date: 2023.01.28

End Date:

2023.01.29

Start Time: 18:24:49

End Time:

06:11:04

Capacity: 8000.00 psig

Last Calib.:

2023.01.29

Time On Btm:

Time Off Btm:

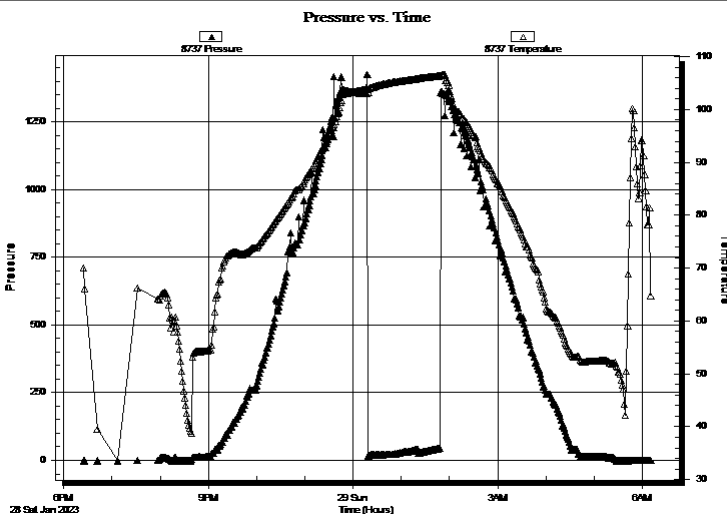
**TEST COMMENT:** IF: Weak Blow . Built to 1/2", in the Bucket. Died back. (30)

IS: No Blow . (15)

FF: Weak Blow . Built 1/8 - 1/4". Died Back. (15)

FS: No Blow . (30)

### PRESSURE SUMMARY



Time  
(Min.)

Pressure  
(psig)

Temp  
(deg F)

Annotation

### Recovery

Length (ft)	Description	Volume (bbl)
5.00	GOSM 3%g 97%m	0.04
0.00	60' GIP 100%g	0.00

### Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Red Oak Energy, Inc.

**6-29s-8e Butler, KS**

7701 E Kellogg DR STE 710  
Wichita, KS. 67202

**M & L #1-6**

Job Ticket: 68492

**DST#: 1**

ATTN: Ryan Davis

Test Start: 2023.01.28 @ 18:24:52

### Tool Information

Drill Pipe:	Length: 2323.00 ft	Diameter: 3.80 inches	Volume: 32.59 bbl	Tool Weight: 2100.00 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: 486.00 ft	Diameter: 2.80 inches	Volume: 3.70 bbl	Weight to Pull Loose: 80000.00 lb
		Total Volume:	36.29 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	34.00 ft			String Weight: Initial 75000.00 lb
Depth to Top Packer:	2806.00 ft			Final 75000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.00 ft			
Tool Length:	55.00 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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Change Over Sub	1.00			2776.00	
Shut In Tool	5.00			2781.00	
Hydraulic tool	5.00			2786.00	
Jars	5.00			2791.00	
EMT	3.00			2794.00	
Safety Joint	3.00			2797.00	
Packer	5.00			2802.00	31.00 Bottom Of Top Packer
Packer	4.00			2806.00	
Stubb	1.00			2807.00	
Recorder	0.00	8788	Inside	2807.00	
Recorder	0.00	8737	Outside	2807.00	
Perforations	20.00			2827.00	
Bullnose	3.00			2830.00	24.00 Bottom Packers & Anchor

**Total Tool Length: 55.00**



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

### FLUID SUMMARY

Red Oak Energy, Inc.

**6-29s-8e Butler, KS**

7701 E Kellogg DR STE 710  
Wichita, KS. 67202

**M & L #1-6**

Job Ticket: 68492

**DST#: 1**

ATTN: Ryan Davis

Test Start: 2023.01.28 @ 18:24:52

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 9.28 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 900.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

900 ppm

ft

bbl

psig

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	GOSM 3%g 97%m	0.038
0.00	60' GIP 100%g	0.000

Total Length: 5.00 ft      Total Volume: 0.038 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: None

Laboratory Name:

Laboratory Location:

Recovery Comments: 60 Feet of Gas in Pipe.



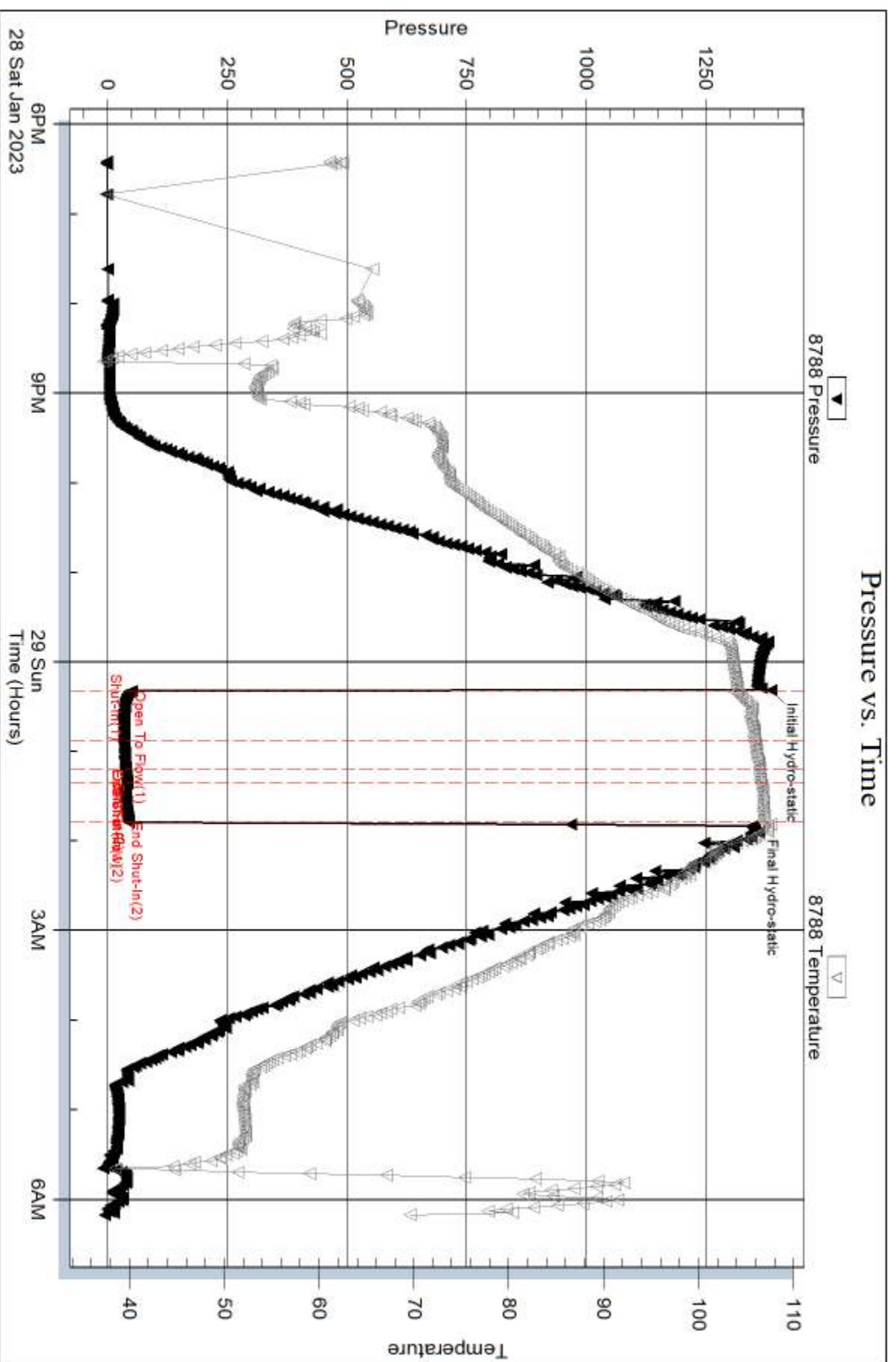
Serial #: 8788

Inside

Red Oak Energy, Inc.

M & L #1-6

DST Test Number: 1

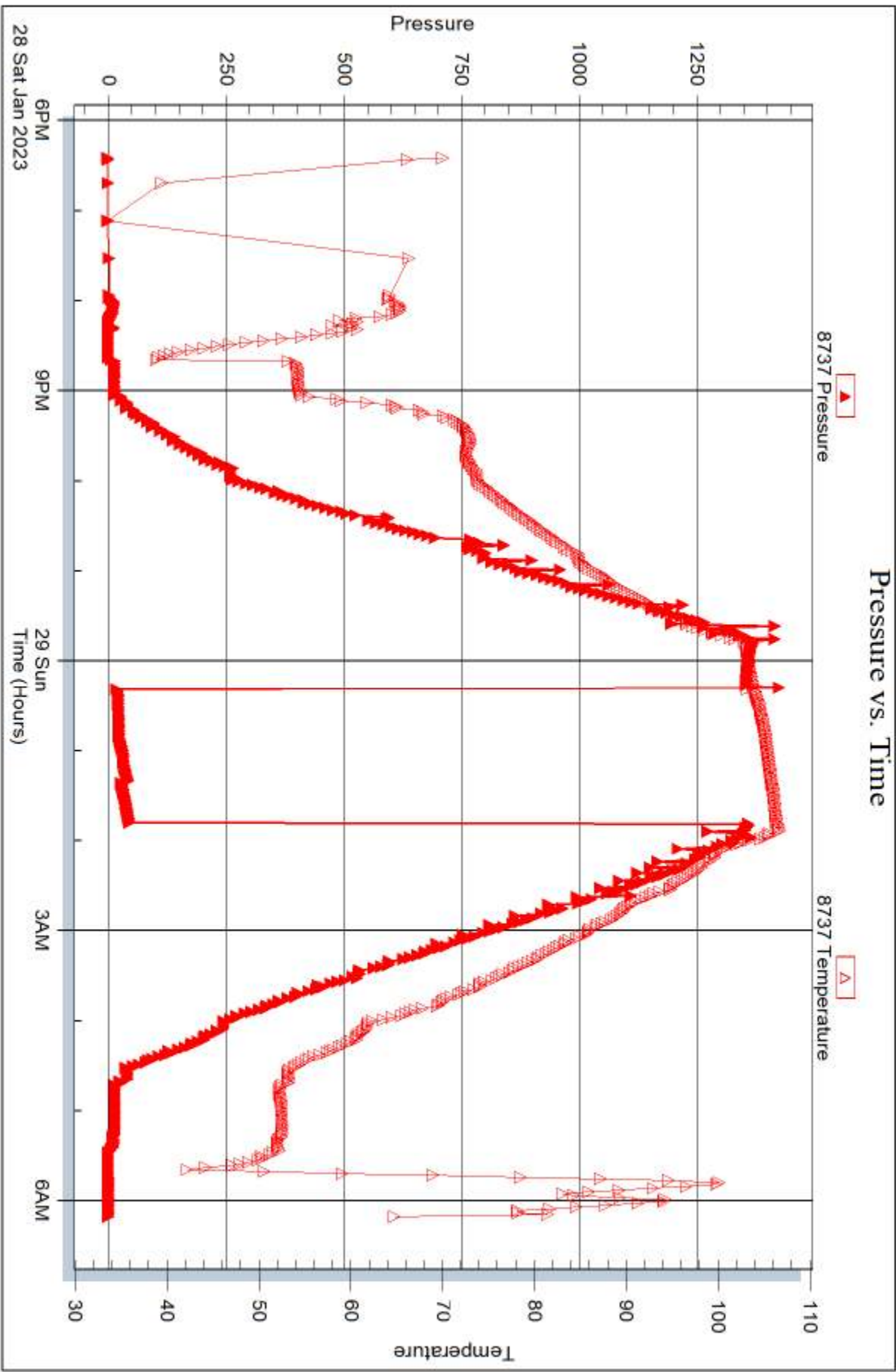


Serial #: 8737

Outside Red Oak Energy, Inc.

M & L #1-6

DST Test Number: 1





## DRILL STEM TEST REPORT

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

7701 E Kellogg DR STE 710  
Wichita, KS. 67202

ATTN: Ryan Davis

**M & L #1-6**

**6-29s-8e Butler,KS**

Start Date: 2023.01.29 @ 18:03:01

End Date: 2023.01.30 @ 08:53:01

Job Ticket #: 69493                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2023.02.02 @ 10:58:04



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Red Oak Energy, Inc.

7701 E Kellogg DR STE 710  
Wichita, KS. 67202

ATTN: Ryan Davis

**6-29s-8e Butler, KS**

**M & L #1-6**

Job Ticket: 69493

**DST#: 2**

Test Start: 2023.01.29 @ 18:03:01

### GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:49:16

Time Test Ended: 08:53:01

Test Type: Conventional Bottom Hole (Reset)

Tester: Matt Smith

Unit No: 68

**Interval: 2824.00 ft (KB) To 2870.00 ft (KB) (TVD)**

Reference Elevations: 1571.00 ft (KB)

Total Depth: 2870.00 ft (KB) (TVD)

1559.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

**Serial #: 8788 Inside**

Press@RunDepth: 99.22 psig @ 2828.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.01.29

End Date:

2023.01.30

Last Calib.: 2023.01.30

Start Time: 18:03:06

End Time:

08:53:01

Time On Btm: 2023.01.29 @ 22:47:46

Time Off Btm: 2023.01.30 @ 00:52:01

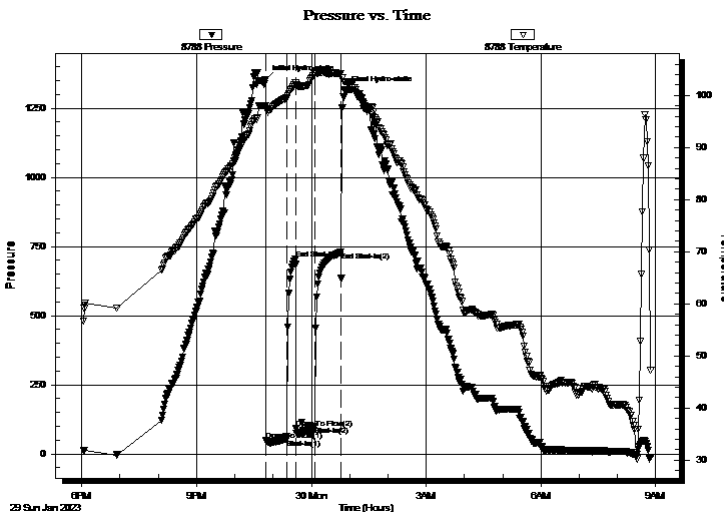
**TEST COMMENT:** IF: Weak Blow . Surface to just over 1/2", in the Bucket. (30)

IS: No Blow . (15)

FF: Weak Blow . Built to 1/2". Died Back to 1/8". (30)

FS: No Blow . (30)

### PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1353.20	97.99	Initial Hydro-static
2	47.80	97.41	Open To Flow (1)
33	54.62	99.47	Shut-In(1)
47	705.24	102.35	End Shut-In(1)
48	91.43	102.06	Open To Flow (2)
77	99.22	104.12	Shut-In(2)
119	729.99	104.17	End Shut-In(2)
125	1314.41	102.65	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
118.00	GVSOCM 5%g 1%o 94%m	0.90
0.00	60' GIP 100%g	0.00

### Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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\* Recovery from multiple tests



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Red Oak Energy, Inc.

**6-29s-8e Butler, KS**

7701 E Kellogg DR STE 710  
Wichita, KS. 67202

**M & L #1-6**

Job Ticket: 69493

**DST#: 2**

ATTN: Ryan Davis

Test Start: 2023.01.29 @ 18:03:01

### GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:49:16

Time Test Ended: 08:53:01

Test Type: Conventional Bottom Hole (Reset)

Tester: Matt Smith

Unit No: 68

**Interval: 2824.00 ft (KB) To 2870.00 ft (KB) (TVD)**

Reference Elevations: 1571.00 ft (KB)

Total Depth: 2870.00 ft (KB) (TVD)

1559.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

**Serial #: 8737 Outside**

Press@RunDepth: psig @ 2828.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.01.29

End Date: 2023.01.30

Last Calib.: 2023.01.30

Start Time: 18:03:58

End Time: 08:53:58

Time On Btm:

Time Off Btm:

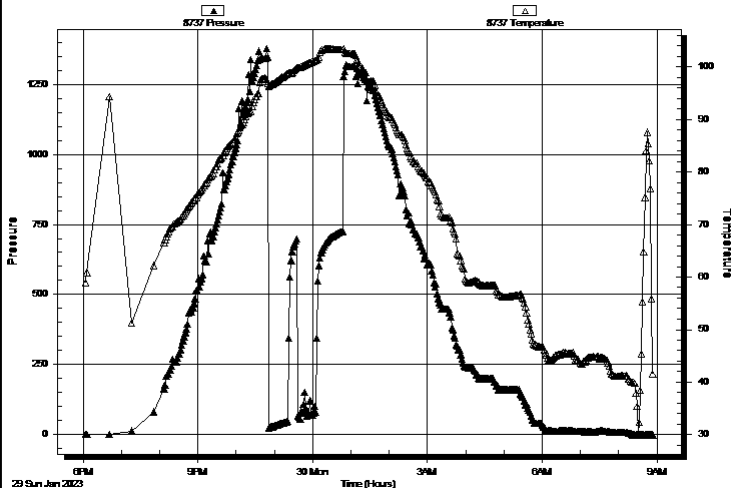
**TEST COMMENT:** IF: Weak Blow . Surface to just over 1/2", in the Bucket. (30)

IS: No Blow . (15)

FF: Weak Blow . Built to 1/2". Died Back to 1/8". (30)

FS: No Blow . (30)

Pressure vs. Time



### PRESSURE SUMMARY

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

Length (ft)	Description	Volume (bbl)
118.00	GVSOCM 5%g 1%o 94%m	0.90
0.00	60' GIP 100%g	0.00

### Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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\* Recovery from multiple tests



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

### TOOL DIAGRAM

Red Oak Energy, Inc.

**6-29s-8e Butler,KS**

7701 E Kellogg DR STE 710  
Wichita, KS. 67202

**M & L #1-6**

Job Ticket: 69493

**DST#: 2**

ATTN: Ryan Davis

Test Start: 2023.01.29 @ 18:03:01

### Tool Information

Drill Pipe:	Length: 2322.00 ft	Diameter: 3.80 inches	Volume: 32.57 bbl	Tool Weight: 2100.00 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: 486.00 ft	Diameter: 2.80 inches	Volume: 3.70 bbl	Weight to Pull Loose: 80000.00 lb
		Total Volume:	36.27 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 75000.00 lb
Depth to Top Packer:	2824.00 ft			Final 75000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	46.00 ft			
Tool Length:	77.00 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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Change Over Sub	1.00			2794.00	
Shut In Tool	5.00			2799.00	
Hydraulic tool	5.00			2804.00	
Jars	5.00			2809.00	
EMT	3.00			2812.00	
Safety Joint	3.00			2815.00	
Packer	5.00			2820.00	31.00 Bottom Of Top Packer
Packer	4.00			2824.00	
Stubb	1.00			2825.00	
Perforations	2.00			2827.00	
Change Over Sub	1.00			2828.00	
Recorder	0.00	8788	Inside	2828.00	
Recorder	0.00	8737	Outside	2828.00	
Blank Spacing	31.00			2859.00	
Change Over Sub	1.00			2860.00	
Perforations	7.00			2867.00	
Bullnose	3.00			2870.00	46.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>77.00</b>				





**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

### FLUID SUMMARY

Red Oak Energy, Inc.

**6-29s-8e Butler,KS**

7701 E Kellogg DR STE 710  
Wichita, KS. 67202

**M & L #1-6**

Job Ticket: 69493

**DST#: 2**

ATTN: Ryan Davis

Test Start: 2023.01.29 @ 18:03:01

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 8.79 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 600.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

600 ppm

ft

bbl

psig

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
118.00	GVSOCM 5%g 1%o 94%m	0.899
0.00	60' GIP 100%g	0.000

Total Length: 118.00 ft      Total Volume: 0.899 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

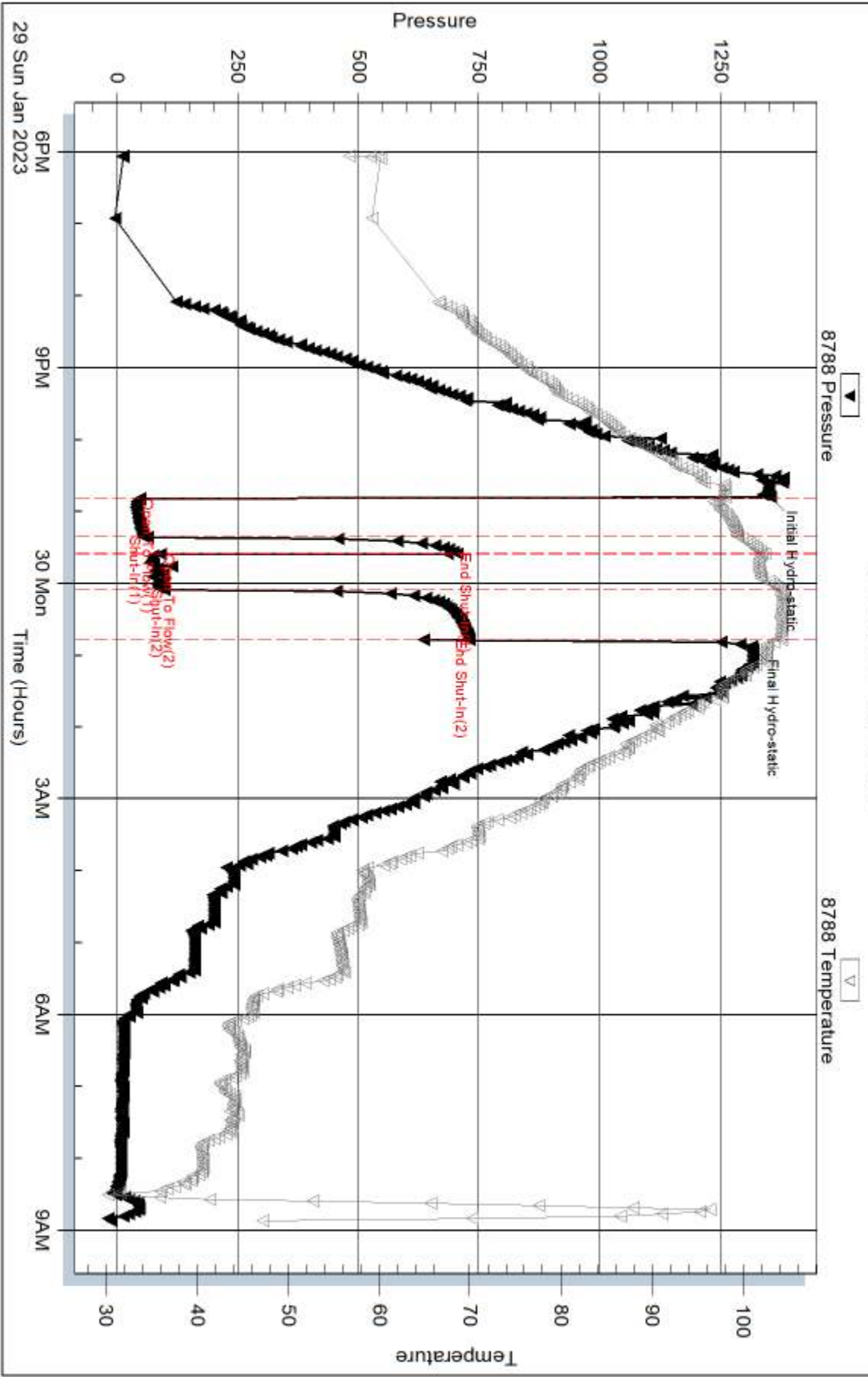
Serial #: None

Laboratory Name:

Laboratory Location:

Recovery Comments: 60 Feet of Gas in Pipe.

Pressure vs. Time

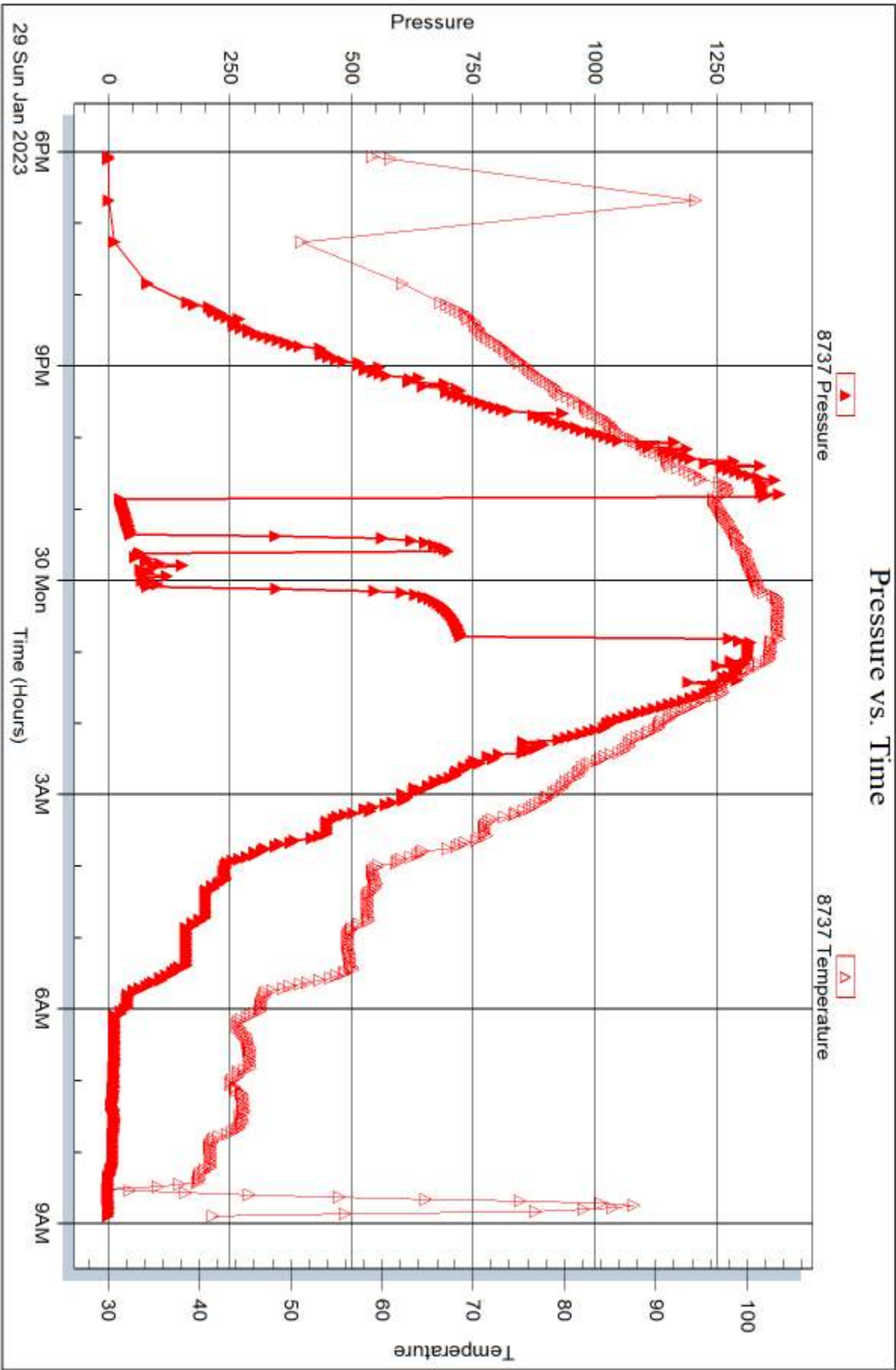


Serial #: 8737

Outside Red Oak Energy, Inc.

M & L #1-6

DST Test Number: 2





## DRILL STEM TEST REPORT

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

7701 E Kellogg DR STE 710  
Wichita, KS. 67202

ATTN: Ryan Davis

**M & L #1-6**

**6-29s-8e Butler,KS**

Start Date: 2023.01.31 @ 06:08:45

End Date: 2023.01.31 @ 16:51:30

Job Ticket #: 68495                      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2023.02.02 @ 10:57:15



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Red Oak Energy, Inc.

**6-29s-8e Butler, KS**

7701 E Kellogg DR STE 710  
Wichita, KS. 67202

**M & L #1-6**

Job Ticket: 68495

**DST#: 3**

ATTN: Ryan Davis

Test Start: 2023.01.31 @ 06:08:45

### GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:41:00

Time Test Ended: 16:51:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Matt Smith

Unit No: 68

**Interval: 3110.00 ft (KB) To 3208.00 ft (KB) (TVD)**

Total Depth: 3208.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1571.00 ft (KB)

1559.00 ft (CF)

KB to GR/CF: 12.00 ft

**Serial #: 8788 Inside**

Press@RunDepth: 101.64 psig @ 3111.00 ft (KB)

Start Date: 2023.01.31

End Date:

2023.01.31

Start Time: 06:08:50

End Time:

16:51:30

Capacity: 8000.00 psig

Last Calib.: 2023.01.31

Time On Btm: 2023.01.31 @ 10:39:15

Time Off Btm: 2023.01.31 @ 13:55:45

**TEST COMMENT:** IF: Weak Blow . Built to 1". Carried through w hole Open. (30)

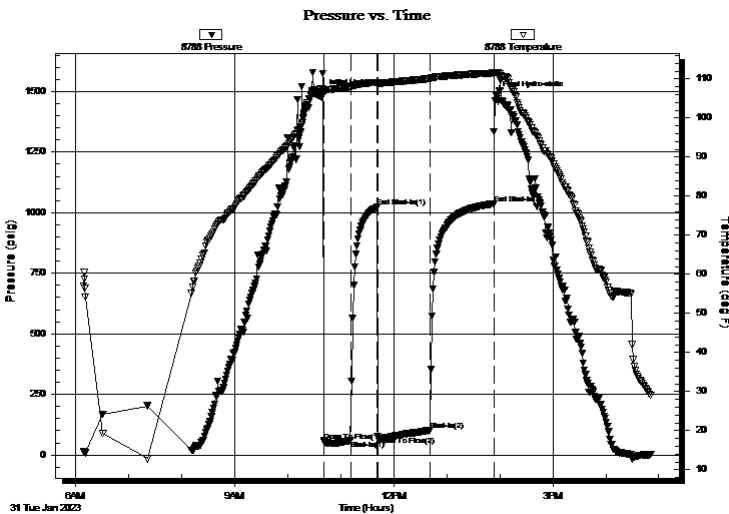
IS: No Blow . (30)

FF: Weak Blow . Built to 1 1/2". (60)

FS: No Blow . (60)

### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1490.36	107.44	Initial Hydro-static
2	54.74	107.11	Open To Flow (1)
32	59.52	107.98	Shut-In(1)
62	1023.40	109.18	End Shut-In(1)
63	78.04	108.89	Open To Flow (2)
122	101.64	110.08	Shut-In(2)
194	1037.12	111.49	End Shut-In(2)
197	1483.68	111.64	Final Hydro-static



### Recovery

Length (ft)	Description	Volume (bbl)
90.00	WCM 20%w 80%m	0.69
60.00	WCM 10%w 90%m	0.46
30.00	WCM 2%W 98%M	0.23

\* 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.

7701 E Kellogg DR STE 710  
Wichita, KS. 67202

ATTN: Ryan Davis

**6-29s-8e Butler, KS**

**M & L #1-6**

Job Ticket: 68495

**DST#: 3**

Test Start: 2023.01.31 @ 06:08:45

### GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:41:00

Time Test Ended: 16:51:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Matt Smith

Unit No: 68

**Interval: 3110.00 ft (KB) To 3208.00 ft (KB) (TVD)**

Total Depth: 3208.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1571.00 ft (KB)

1559.00 ft (CF)

KB to GR/CF: 12.00 ft

**Serial #: 8737 Outside**

Press@RunDepth: psig @ 3111.00 ft (KB)

Start Date: 2023.01.31

End Date:

2023.01.31

Start Time: 06:08:52

End Time:

16:51:07

Capacity: 8000.00 psig

Last Calib.: 2023.01.31

Time On Btm:

Time Off Btm:

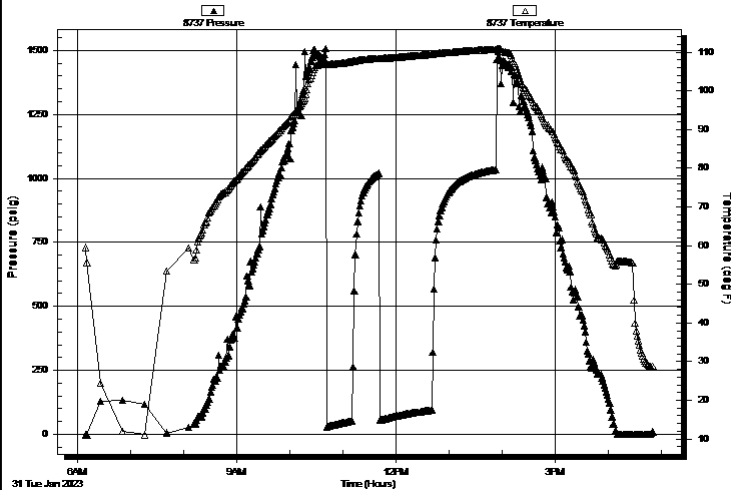
**TEST COMMENT:** IF: Weak Blow . Built to 1". Carried through w hole Open. (30)

IS: No Blow . (30)

FF: Weak Blow . Built to 1 1/2". (60)

FS: No Blow . (60)

Pressure vs. Time



### PRESSURE SUMMARY

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

Length (ft)	Description	Volume (bbl)
90.00	WCM 20%w 80%m	0.69
60.00	WCM 10%w 90%m	0.46
30.00	WCM 2%W 98%M	0.23

### 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.

**6-29s-8e Butler, KS**

7701 E Kellogg DR STE 710  
Wichita, KS. 67202

**M & L #1-6**

Job Ticket: 68495

**DST#: 3**

ATTN: Ryan Davis

Test Start: 2023.01.31 @ 06:08:45

### Tool Information

Drill Pipe:	Length: 2627.00 ft	Diameter: 3.80 inches	Volume: 36.85 bbl	Tool Weight: 2100.00 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: 463.00 ft	Diameter: 2.80 inches	Volume: 3.53 bbl	Weight to Pull Loose: 86000.00 lb
		Total Volume:	40.38 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	3110.00 ft			Final 79000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	98.00 ft			
Tool Length:	129.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

### Tool Description

**Length (ft) Serial No. Position Depth (ft) Accum. Lengths**

Change Over Sub	1.00			3080.00	
Shut In Tool	5.00			3085.00	
Hydraulic tool	5.00			3090.00	
Jars	5.00			3095.00	
EMT	3.00			3098.00	
Safety Joint	3.00			3101.00	
Packer	5.00			3106.00	31.00 Bottom Of Top Packer
Packer	4.00			3110.00	
Stubb	1.00			3111.00	
Recorder	0.00	8788	Inside	3111.00	
Recorder	0.00	8737	Outside	3111.00	
Perforations	2.00			3113.00	
Change Over Sub	1.00			3114.00	
Blank Spacing	63.00			3177.00	
Change Over Sub	1.00			3178.00	
Perforations	27.00			3205.00	
Bullnose	3.00			3208.00	98.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>129.00</b>				



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

### FLUID SUMMARY

Red Oak Energy, Inc.

**6-29s-8e Butler, KS**

7701 E Kellogg DR STE 710  
Wichita, KS. 67202

**M & L #1-6**

Job Ticket: 68495

**DST#: 3**

ATTN: Ryan Davis

Test Start: 2023.01.31 @ 06:08:45

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 48.00 sec/qt

Water Loss: 7.59 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 600.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity: 44000 ppm

deg API

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	WCM 20%w 80%m	0.685
60.00	WCM 10%w 90%m	0.457
30.00	WCM 2%W 98%M	0.228

Total Length: 180.00 ft

Total Volume: 1.370 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: None

Laboratory Name:

Laboratory Location:

Recovery Comments: RW is .34 @ 36 Degrees = 44,000 Chlorides.

Serial #: 8788

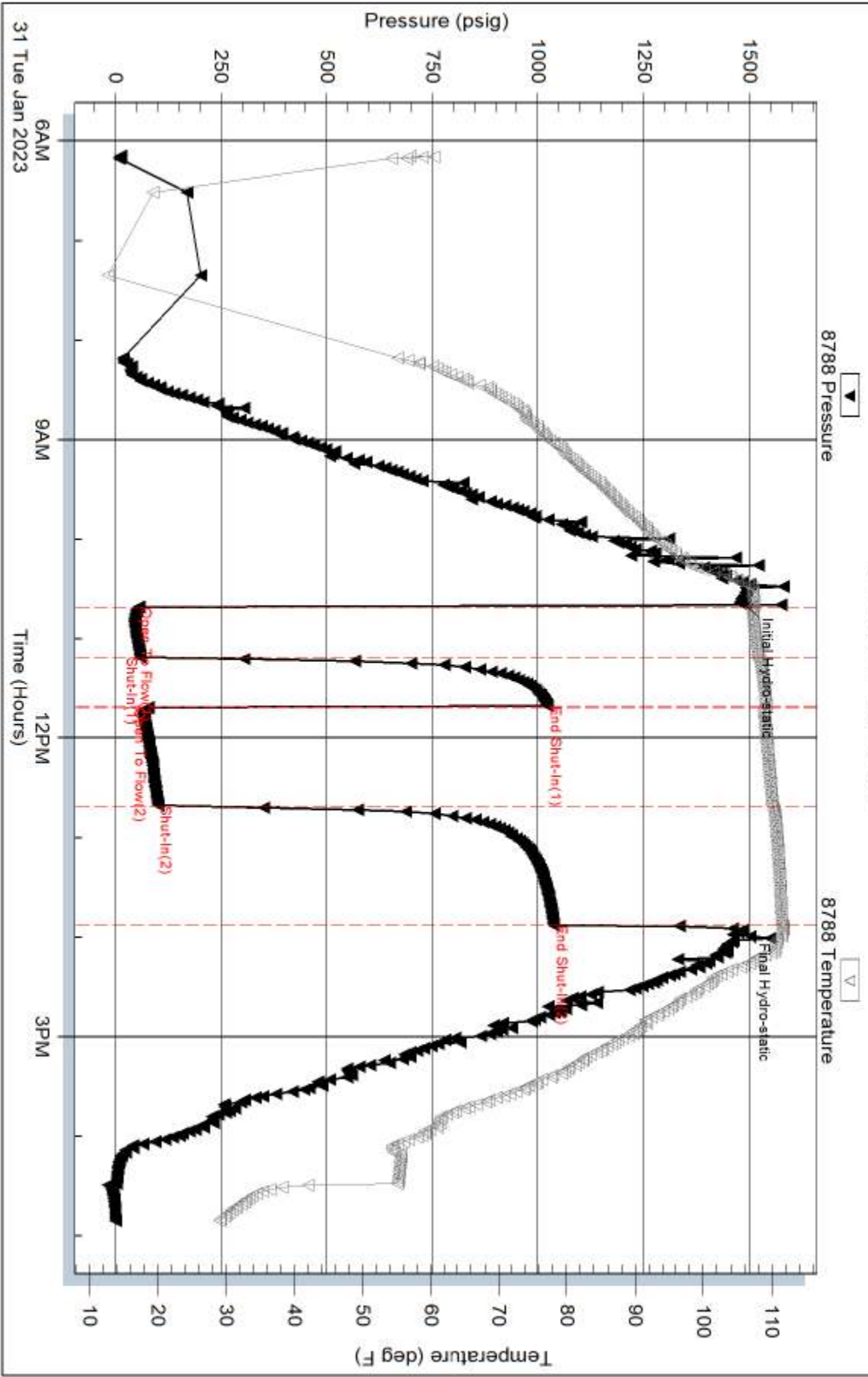
Inside

Red Oak Energy, Inc.

M & L #1-6

DST Test Number: 3

# Pressure vs. Time

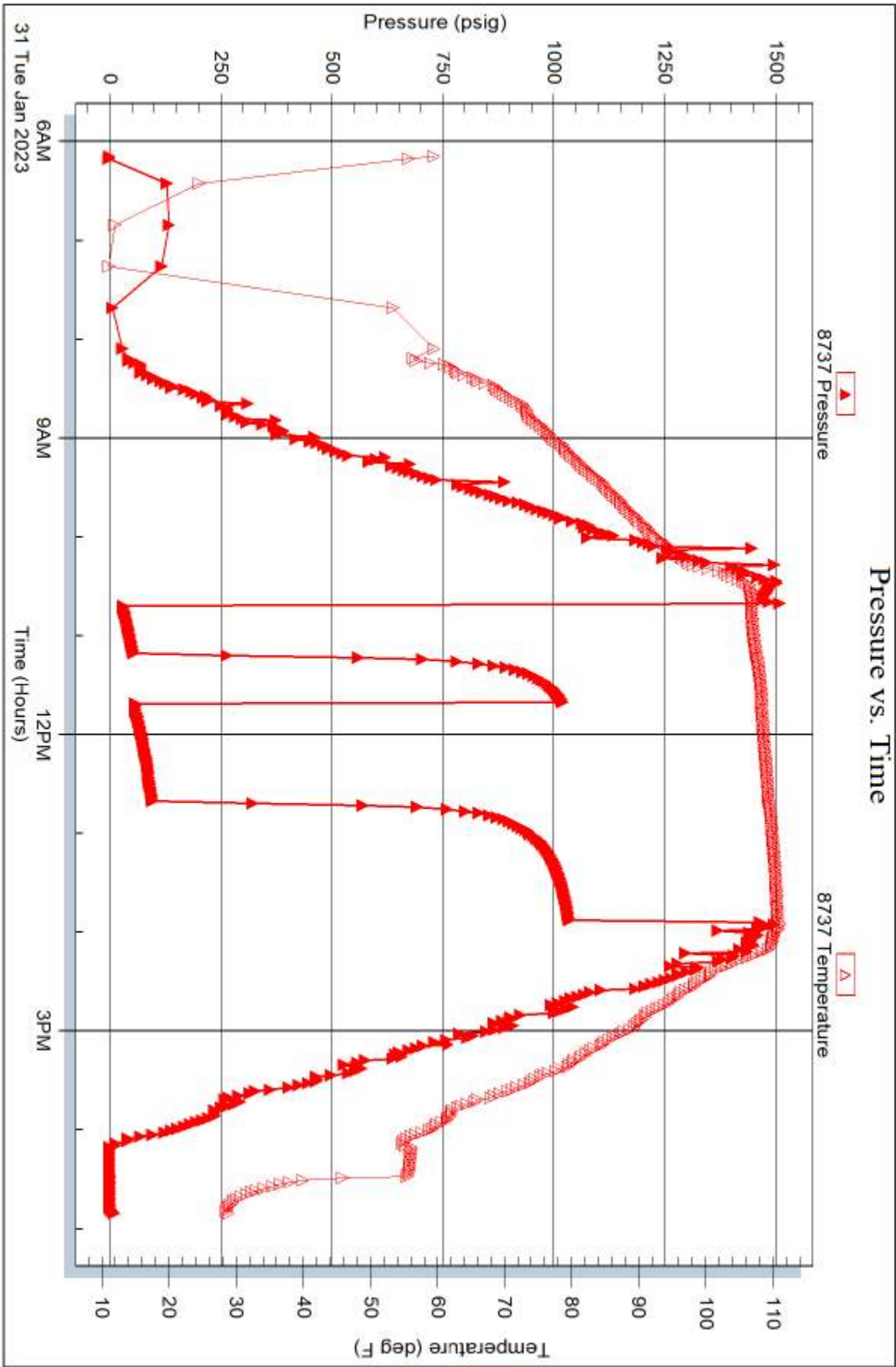


Serial #: 8737

Outside Red Oak Energy, Inc.

M & L #1-6

DST Test Number: 3





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 68492

Well Name & No. M 2 1-6 Test No. 1 Date 1/28/23  
Company Red Oak Energy, Inc. Elevation 1571 KB 1559 GL  
Address 7701 E Kellogg Dr STE 710 Wichita, Ks. 67202  
Co. Rep / Geo. Ryan Davis Rig Murphy # 116  
Location: Sec. 6 Twp 29S Rge. 8E Co. Butter State Ks.

Interval Tested 2806 - 2830 Zone Tested Mississippi  
Anchor Length 24' Drill Pipe Run 2323 Mud Wt. 9.1  
Top Packer Depth 2801 Drill Collars Run 486 Vls 52  
Bottom Packer Depth 2806 Wt. Pipe Run 0 WL 9.3  
Total Depth 2830 Chlorides 900 ppm System LCM 8

Blow Description ~~IF~~ IF: Weak Blow. Built to 1/2" in the Bucket. Died Back.  
ISS: No Blow.  
FF: Weak Blow. Built 1/8" - 1/4" in Bucket Died off.  
FSS: No Blow.

Rec	Feet of	100 %gas	%oil	%water	%mud
60	GIP				
5	GOSM	5			97
		%gas	%oil	%water	%mud
		%gas	%oil	%water	%mud
		%gas	%oil	%water	%mud

Rec Total 5' Fluid BHT 104° Gravity N/A API RW N/A @ — °F Chlorides 900 ppm  
(A) Initial Hydrostatic 1354 ☒ Test 4600 T-On Location 1749  
(B) First Initial Flow 51 ☒ Jars 300 T-Started 1824  
(C) First Final Flow 35 ☒ Safety Joint — T-Open 6019  
(D) Initial Shut-In 38 ☐ Circ Sub — T-Pulled 0200  
(E) Second Initial Flow 38 ☐ Hourly Standby — T-Out 0611  
(F) Second Final Flow 42 ☒ Mileage (268) Pratt Shop Comments \* Motel Stay  
(G) Final Shut-In 45 ☐ Sampler 134 234.50 40 70 Hyd Top Drive \*  
(H) Final Hydrostatic 1345 ☐ Straddle — ☒ EM Tool -350

Initial Open 30  
Initial Shut-In 15  
Final Flow 15  
Final Shut-In 30

☐ Shale Packer —  
☐ Extra Packer —  
☐ Extra Recorder —  
☐ Day Standby —  
☒ Accessibility 150  
Sub Total 5354.50  
☐ Ruined Shale Packer —  
☐ Ruined Packer —  
☐ Extra Copies —  
Sub Total -350  
Total 5004.50

Approved By —

Our Representative —

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.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 68493

Well Name & No. M 1/2 L #1-6 Test No. 2 Date 1/29/23  
Company Red Oak Energy, Inc. Elevation 1571 KB 1559 GL  
Address 7701 E Kellogg Dr. STE 710 Wichita, KS. 67202  
Co. Rep / Geo. Ryan Davis Rig Martin #116  
Location: Sec. 6 Twp 29S Rge. 8E Co. Butler State KS

Interval Tested 2824 - 2870 Zone Tested Mississippi  
Anchor Length 46' Drill Pipe Run 2322 Mud Wt. 9.2  
Top Packer Depth 2819 Drill Collars Run 486 Vis 52  
Bottom Packer Depth 2824 Wt. Pipe Run 8 WL 8.8  
Total Depth 2870 Chlorides 600 ppm System LCM 8"

Blow Description IF: Weak Blow Surface to just over 1/2" in the Bucket  
ISI: No Blow.  
FF: Weak Blow. Built to 1/2" Dred Back to 1/8"  
FSI: No Blow.

Rec <u>60</u>	Feet of <u>GIP</u>	<u>100</u> %gas	%oil	%water	%mud
Rec <u>118</u>	Feet of <u>GVSOCm</u>	<u>5</u> %gas	<u>1</u> %oil	%water	<u>94</u> %mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud

Rec Total 118' Fluid BHT 98° Gravity N/A API RW N/A @ \_\_\_\_\_ °F Chlorides 600 ppm

(A) Initial Hydrostatic 1353  
(B) First Initial Flow 48  
(C) First Final Flow 55  
(D) Initial Shut-In 705  
(E) Second Initial Flow 91  
(F) Second Final Flow 99  
(G) Final Shut-In 730  
(H) Final Hydrostatic 1314

☒ Test 4600  
☒ Jars 300  
☒ Safety Joint  
☐ Circ Sub  
☐ Hourly Standby  
☒ Mileage (84.59) motel 140  
☐ Sampler  
☐ Straddle  
☐ Shale Packer  
☐ Extra Packer  
☐ Extra Recorder  
☐ Day Standby  
☒ Accessibility 150  
Sub Total 5190

T-On Location 1720  
T-Started 1803  
T-Open 2249  
T-Pulled 0045  
T-Out 0853

Comments \* Motel Stay  
Hyd Top Drive \*

☒ EM Tool -350  
☐ Ruined Shale Packer  
☐ Ruined Packer  
☐ Extra Copies  
Sub Total -350  
Total 4840

Initial Open 30  
Initial Shut-In 15  
Final Flow 30  
Final Shut-In 30

MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_

Our Representative Matthew J. Smith

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.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 68494

Well Name & No. M & L # 1-6 Test No. 3 Date 1/31/23  
Company Red Oak Energy, Inc. Elevation 1571 KB 1559 GL  
Address 7701 E Kellogg Dr. STE 710 Wichita, KS. 67202  
Co. Rep / Geo. Ryan Davis Rig Martin # 116  
Location: Sec. 6 Twp 29s Rge. 8E Co. Butler State KS.

Interval Tested 3110 - 3208 Zone Tested Arbuckle  
Anchor Length 98' Drill Pipe Run 2627 Mud Wt. 9.1  
Top Packer Depth 3105 Drill Collars Run 463 Vls 48  
Bottom Packer Depth 3110 Wt. Pipe Run 0 WL 7.6  
Total Depth 3208 Chlorides 800 ppm System LCM 8"

Blow Description FF: Weak Blow. Built to 1", Carried through whole open,  
ISI: No Blow.  
FF: Weak Blow. Built to 1 1/2" in Bucket.  
FSS: No Blow.

Rec <u>30</u>	Feet of <u>WCM</u>	%gas	%oil	<u>2</u> %water	<u>98</u> %mud
Rec <u>60</u>	Feet of <u>WCM</u>	%gas	%oil	<u>10</u> %water	<u>90</u> %mud
Rec <u>90</u>	Feet of <u>WCM</u>	%gas	%oil	<u>20</u> %water	<u>80</u> %mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 180' Fluid BHT 107° Gravity N/A API RW 34 @ 36 °F Chlorides 44,000 ppm

(A) Initial Hydrostatic 1490  
(B) First Initial Flow 55  
(C) First Final Flow 60  
(D) Initial Shut-In 1023  
(E) Second Initial Flow 78  
(F) Second Final Flow 102  
(G) Final Shut-In 1037  
(H) Final Hydrostatic 1484

Initial Open 30  
Initial Shut-In 30  
Final Flow 60  
Final Shut-In 60

☒ Test 4600  
☒ Jars 300  
☒ Safety Joint  
☐ Circ Sub  
☐ Hourly Standby  
☒ Mileage 847 Hotel  
234.50 + 70  
☐ Sampler  
☐ Straddle  
☐ Shale Packer  
☐ Extra Packer  
☐ Extra Recorder  
☐ Day Standby  
☒ Accessibility 150  
Sub Total 5354.50

T-On Location 0555  
T-Started 0608  
T-Open 1641  
T-Pulled 1350  
T-Out 1651  
Comments \* Motel Stay  
Hyd Top Drive  
☒ EM Tool -350  
☐ Ruined Shale Packer  
☐ Ruined Packer  
☐ Extra Copies  
Sub Total -350  
Total 5004.50  
MP/DST Disc't

Approved By

Our Representative

Matthew Smith

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.