

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

**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

Gas  DH  EOR

OG  GSW

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 EOR  Conv. to SWD  
 Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

API No.: \_\_\_\_\_

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

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27  NAD83  WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical 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**

Confidentiality Requested

Date: \_\_\_\_\_

Confidential Release Date: \_\_\_\_\_

Wireline Log Received  Drill Stem Tests Received

Geologist Report / Mud Logs 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 of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

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

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

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Everglow Energy, LLC
Well Name	WARREN 1-25
Doc ID	1408418

Perforations

Shots Per Foot	Perforation Top	Perforation Bottom	BridgePlugType	BridgePlugSet At	Material Record
4	5128	5130			Acidize with 750 gal 20% MCA 5128-5130 & 5134-5138
4	5134	5138			
3	5030	5037	CIBP Cast Iron Bridge Plug	5120	
3	5044	5050			
3	5056	5065			Acidize with 2000 gal 28% NE/FE w/99 sealer balls
					Pad Acid Frac 5030-5037, 5044-5050 & 5056-5065
4	4740	4744	CIBP Cast Iron Bridge Plug	5020	
4	4556	4568	CIBP Cast Iron Bridge Plug	4730	





## DRILL STEM TEST REPORT

Prepared For: **Everglow Energy LLC**

6908 NW 112th St  
Oklahoma City Ok 73162

ATTN: Tisha Love, Tom Cast

### **Warren #1-25**

#### **25-33s-17w Comanche,KS**

Start Date: 2018.02.14 @ 03:50:47

End Date: 2018.02.14 @ 14:16:42

Job Ticket #: 63511                      DST #: 1

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2018.02.16 @ 09:18:11



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Everglow Energy LLC

**25-33s-17w Comanche,KS**

6908 NW 112th St  
Oklahoma City OK 73162

**Warren #1-25**

Job Ticket: 63511

**DST#: 1**

ATTN: Tisha Love, Tom Cast

Test Start: 2018.02.14 @ 03:50:47

## GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:54:57

Time Test Ended: 14:16:42

Test Type: Conventional Straddle (Initial)

Tester: Ray Schwager

Unit No: 77

**Interval: 5050.00 ft (KB) To 5076.00 ft (KB) (TVD)**

Reference Elevations: 1842.00 ft (KB)

Total Depth: 5225.00 ft (KB) (TVD)

1837.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8360**

**Inside**

Press@RunDepth: 74.57 psig @ 5062.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.02.14

End Date:

2018.02.14

Last Calib.:

2018.02.14

Start Time:

03:50:47

End Time:

14:16:42

Time On Btm:

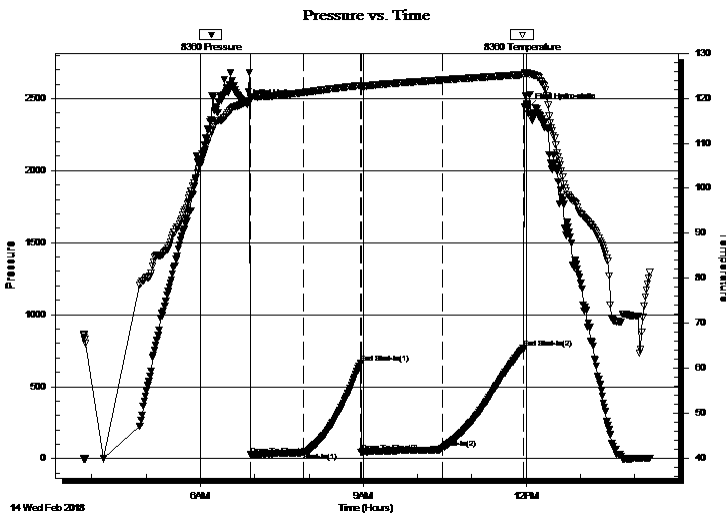
2018.02.14 @ 06:50:57

Time Off Btm:

2018.02.14 @ 12:02:11

**TEST COMMENT:** 60-IFP-BOB in 2 min  
60-ISIP-no blow back  
90-FFP-w eak to a good blow 1 1/2" to 6" blow  
90-FSIP-no blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2463.08	119.14	Initial Hydro-static
4	27.31	119.48	Open To Flow (1)
64	43.59	121.28	Shut-In(1)
126	662.51	122.84	End Shut-In(1)
127	42.74	122.69	Open To Flow (2)
217	74.57	124.06	Shut-In(2)
307	764.87	125.23	End Shut-In(2)
312	2437.71	125.60	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
20.00	OCM 5%O95%M	0.10
60.00	HO&GCM 15%G35%O60%M	0.30
0.00	400' GIP	0.00

## Gas Rates

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



# TRILOBITE TESTING, INC.

## DRILL STEM TEST REPORT

Everglow Energy LLC

25-33s-17w Comanche, KS

6908 NW 112th St  
Oklahoma City OK 73162

Warren #1-25

ATTN: Tisha Love, Tom Cast

Job Ticket: 63511

DST#: 1

Test Start: 2018.02.14 @ 03:50:47

### GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:54:57

Time Test Ended: 14:16:42

Interval: **5050.00 ft (KB) To 5076.00 ft (KB) (TVD)**

Total Depth: 5225.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Straddle (Initial)

Tester: Ray Schwager

Unit No: 77

Reference Elevations: 1842.00 ft (KB)

1837.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 8673** **Outside**

Press@RunDepth: psig @ 5062.00 ft (KB)

Start Date: 2018.02.14

End Date:

2018.02.14

Start Time: 03:50:32

End Time:

14:16:27

Capacity: 8000.00 psig

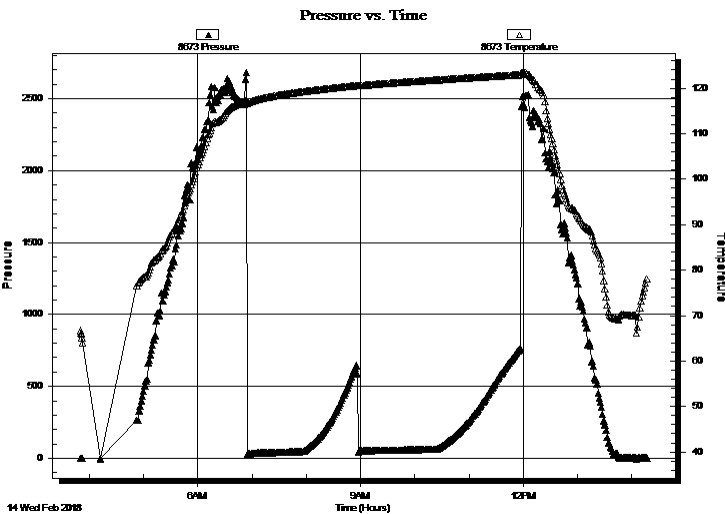
Last Calib.:

2018.02.14

Time On Btm:

Time Off Btm:

**TEST COMMENT:** 60-IFP-BOB in 2 min  
60-ISIP-no blow back  
90-FFP-w eak to a good blow 1 1/2" to 6" blow  
90-FSIP-no blow back



### PRESSURE SUMMARY

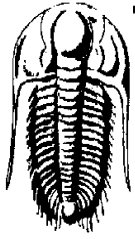
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

### Recovery

Length (ft)	Description	Volume (bbl)
20.00	OCM 5% O95% M	0.10
60.00	HO&GCM 15% G35% O60% M	0.30
0.00	400' GIP	0.00

### Gas Rates

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



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Everglow Energy LLC

**25-33s-17w Comanche,KS**

6908 NW 112th St  
Oklahoma City OK 73162

**Warren #1-25**

Job Ticket: 63511

**DST#: 1**

ATTN: Tisha Love, Tom Cast

Test Start: 2018.02.14 @ 03:50:47

**GENERAL INFORMATION:**

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:54:57

Time Test Ended: 14:16:42

Test Type: Conventional Straddle (Initial)

Tester: Ray Schwager

Unit No: 77

**Interval: 5050.00 ft (KB) To 5076.00 ft (KB) (TVD)**

Reference Elevations: 1842.00 ft (KB)

Total Depth: 5225.00 ft (KB) (TVD)

1837.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8373 Below (Straddle)**

Press@RunDepth: psig @ 5098.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.02.14 End Date: 2018.02.14

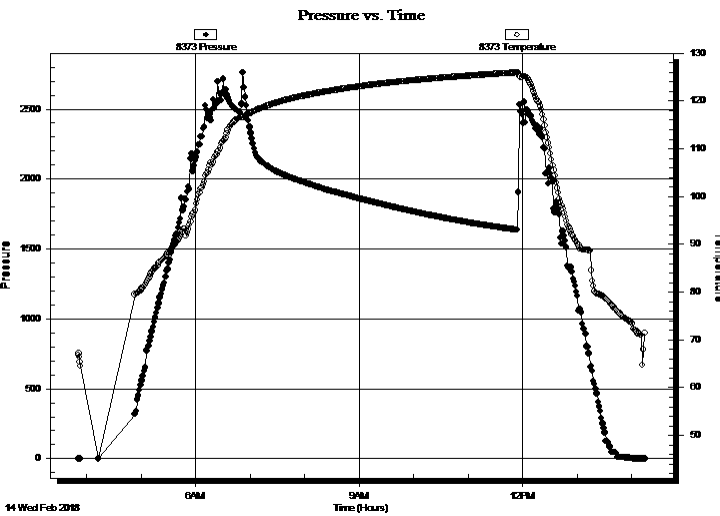
Last Calib.: 2018.02.14

Start Time: 03:51:04 End Time: 14:15:14

Time On Btm:

Time Off Btm:

**TEST COMMENT:** 60-IFP-BOB in 2 min  
60-ISIP-no blow back  
90-FFP-w eak to a good blow 1 1/2" to 6" blow  
90-FSIP-no blow back



**PRESSURE SUMMARY**

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

**Recovery**

Length (ft)	Description	Volume (bbl)
20.00	OCM 5% O95% M	0.10
60.00	HO&GCM 15% G35% O60% M	0.30
0.00	400' GIP	0.00

**Gas Rates**

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Everglow Energy LLC

**25-33s-17w Comanche,KS**

6908 NW 112th St  
Oklahoma City OK 73162

**Warren #1-25**

Job Ticket: 63511

**DST#: 1**

ATTN: Tisha Love, Tom Cast

Test Start: 2018.02.14 @ 03:50:47

## Tool Information

Drill Pipe:	Length: 4921.00 ft	Diameter: 3.80 inches	Volume: 69.03 bbl	Tool Weight: 2200.00 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 69.62 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	5050.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	5076.00 ft			
Interval between Packers:	26.00 ft			
Tool Length:	208.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			5022.00	
Shut In Tool	5.00			5027.00	
Hydraulic tool	5.00			5032.00	
Jars	5.00			5037.00	
Safety Joint	3.00			5040.00	
Packer	5.00			5045.00	29.00 Bottom Of Top Packer
Packer	5.00			5050.00	
Stubb	1.00			5051.00	
Perforations	11.00			5062.00	
Recorder	0.00	8360	Inside	5062.00	
Recorder	0.00	8673	Outside	5062.00	
Perforations	10.00			5072.00	
Blank Off Sub	1.00			5073.00	
Blank Spacing	3.00			5076.00	26.00 Tool Interval
Packer	5.00			5081.00	
Stubb	1.00			5082.00	
Perforations	16.00			5098.00	
Recorder	0.00	8373	Below	5098.00	
Blank Spacing	128.00			5226.00	
Bullnose	3.00			5229.00	153.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>208.00</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Everglow Energy LLC

**25-33s-17w Comanche,KS**

6908 NW 112th St  
Oklahoma City OK 73162

**Warren #1-25**

Job Ticket: 63511

**DST#: 1**

ATTN: Tisha Love, Tom Cast

Test Start: 2018.02.14 @ 03:50:47

### 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: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.11 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
20.00	OCM 5%O95%M	0.098
60.00	HO&GCM 15%G35%O60%M	0.295
0.00	400' GIP	0.000

Total Length: 80.00 ft      Total Volume: 0.393 bbl

Num Fluid Samples: 0

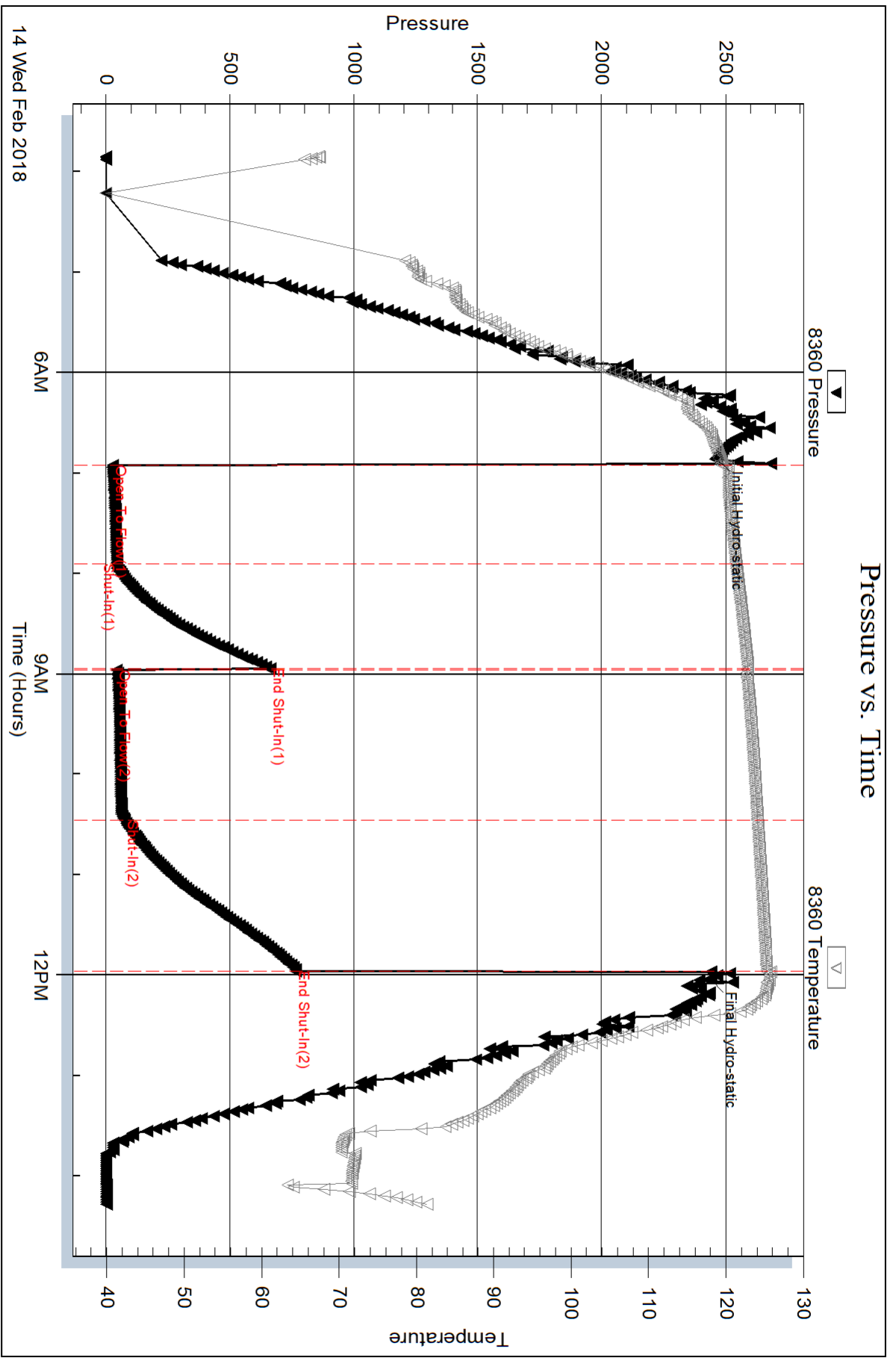
Num Gas Bombs: 0

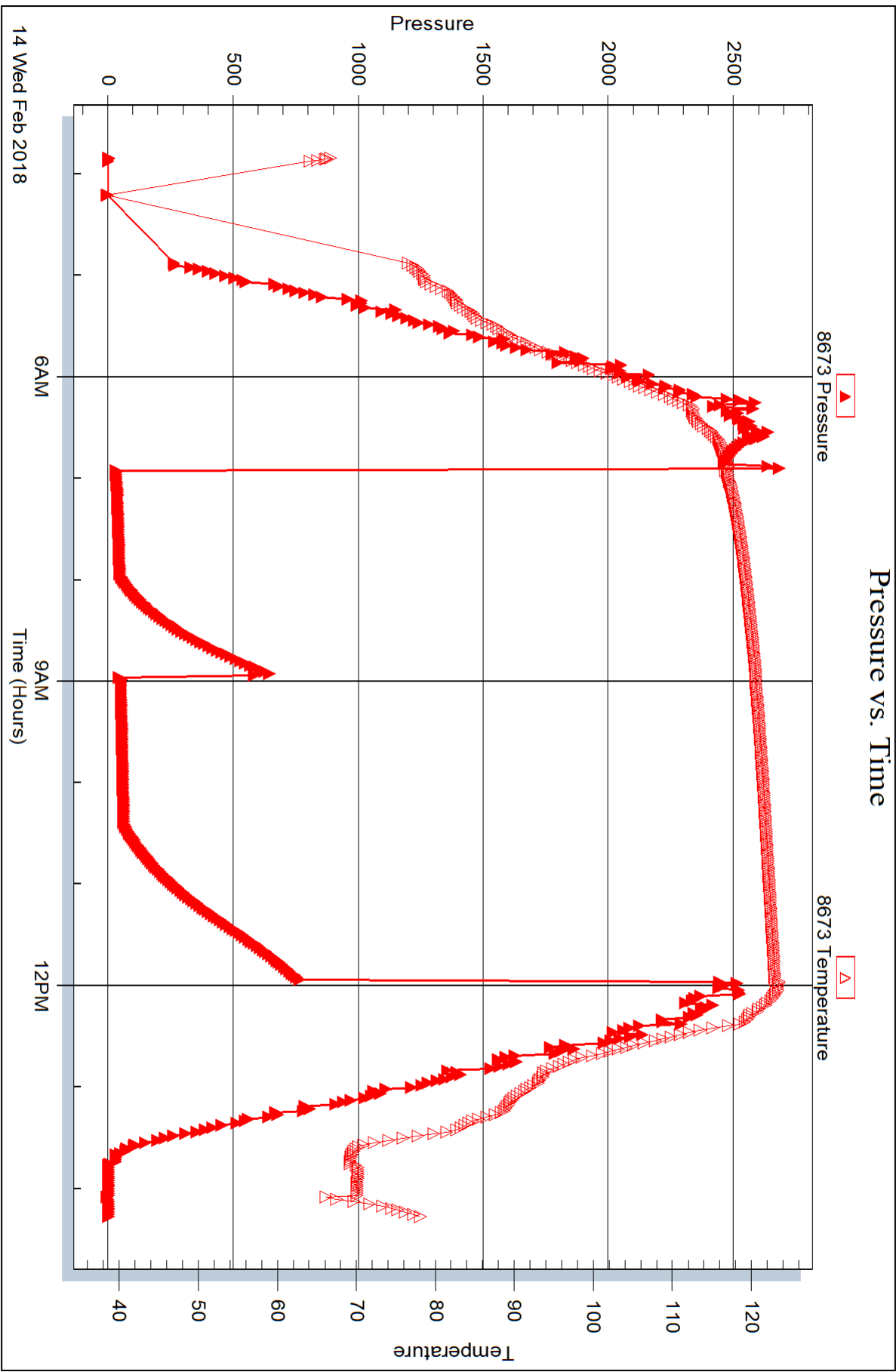
Serial #:

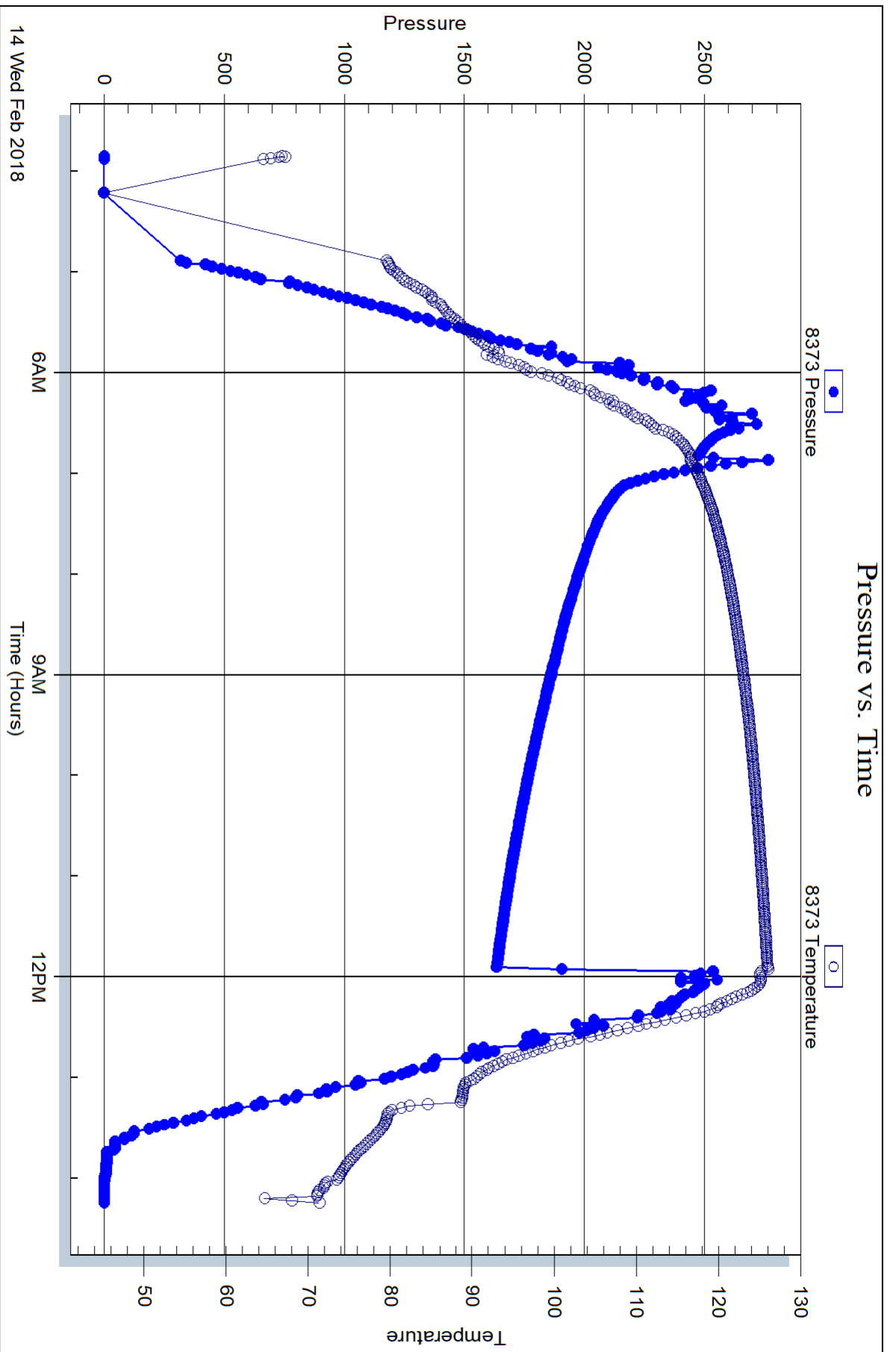
Laboratory Name:

Laboratory Location:

Recovery Comments:









## DRILL STEM TEST REPORT

Prepared For: **Everglow Energy LLC**

6908 NW 112th St  
Oklahoma City Ok 73162

ATTN: Tisha Love, Tom Cast

### **Warren #1-25**

#### **25-33s-17w Comanche,KS**

Start Date: 2018.02.14 @ 15:50:20

End Date: 2018.02.15 @ 01:21:45

Job Ticket #: 63512                      DST #: 2

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2018.02.16 @ 09:17:37



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Everglow Energy LLC

**25-33s-17w Comanche, KS**

6908 NW 112th St  
Oklahoma City OK 73162

**Warren #1-25**

ATTN: Tisha Love, Tom Cast

Job Ticket: 63512

**DST#: 2**

Test Start: 2018.02.14 @ 15:50:20

## GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:17:30

Time Test Ended: 01:21:45

Test Type: Conventional Straddle (Reset)

Tester: Ray Schwager

Unit No: 77

**Interval: 5076.00 ft (KB) To 5095.00 ft (KB) (TVD)**

Reference Elevations: 1842.00 ft (KB)

Total Depth: 5225.00 ft (KB) (TVD)

1837.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8360**

**Inside**

Press@RunDepth: 115.47 psig @ 5081.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.02.14

End Date:

2018.02.15

Last Calib.: 2018.02.15

Start Time: 15:50:20

End Time:

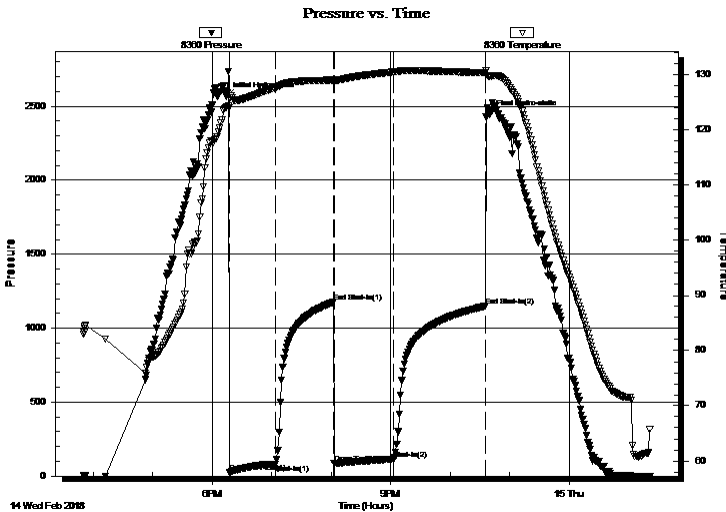
01:21:45

Time On Btm: 2018.02.14 @ 18:14:30

Time Off Btm: 2018.02.14 @ 22:39:44

**TEST COMMENT:** 45-IFP-weak to a fair blow 1/2" to 3 1/2" blow  
60-ISIP-no blow back  
60-FFP-very weak surface blow  
90-FSIP-no blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2562.83	124.17	Initial Hydro-static
3	24.60	124.09	Open To Flow (1)
50	81.69	127.71	Shut-In(1)
108	1175.43	129.06	End Shut-In(1)
109	85.78	128.65	Open To Flow (2)
169	115.47	130.53	Shut-In(2)
262	1149.72	130.41	End Shut-In(2)
266	2444.67	129.76	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
200.00	Water	1.71

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Everglow Energy LLC

**25-33s-17w Comanche, KS**

6908 NW 112th St  
Oklahoma City OK 73162

**Warren #1-25**

Job Ticket: 63512

**DST#: 2**

ATTN: Tisha Love, Tom Cast

Test Start: 2018.02.14 @ 15:50:20

## GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:17:30

Time Test Ended: 01:21:45

Test Type: Conventional Straddle (Reset)

Tester: Ray Schwager

Unit No: 77

**Interval: 5076.00 ft (KB) To 5095.00 ft (KB) (TVD)**

Reference Elevations: 1842.00 ft (KB)

Total Depth: 5225.00 ft (KB) (TVD)

1837.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8673**

**Outside**

Press@RunDepth: psig @ 5081.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.02.14

End Date: 2018.02.15

Last Calib.: 2018.02.15

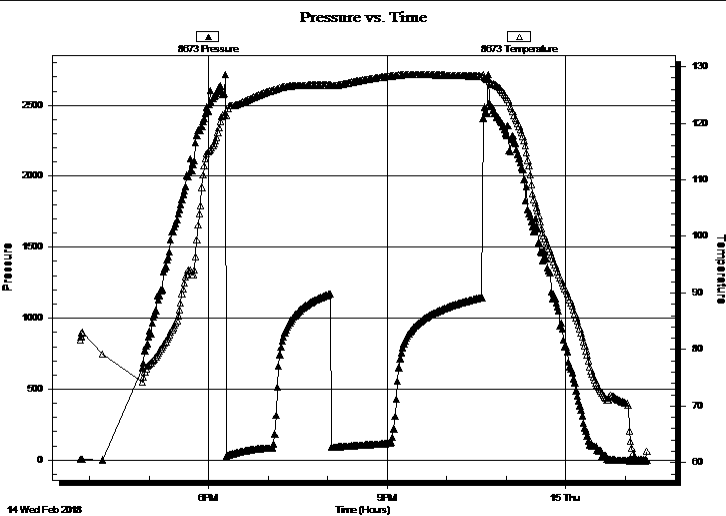
Start Time: 15:50:51

End Time: 01:22:16

Time On Btm:

Time Off Btm:

**TEST COMMENT:** 45-IFP-weak to a fair blow 1/2" to 3 1/2" blow  
60-ISIP-no blow back  
60-FFP-very weak surface blow  
90-FSIP-no blow back



## PRESSURE SUMMARY

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

## Recovery

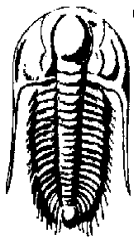
Length (ft)	Description	Volume (bbl)
200.00	Water	1.71

## Gas Rates

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

\* Recovery from multiple tests





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Everglow Energy LLC

**25-33s-17w Comanche, KS**

6908 NW 112th St  
Oklahoma City OK 73162

**Warren #1-25**

Job Ticket: 63512

**DST#: 2**

ATTN: Tisha Love, Tom Cast

Test Start: 2018.02.14 @ 15:50:20

## GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:17:30

Time Test Ended: 01:21:45

Test Type: Conventional Straddle (Reset)

Tester: Ray Schwager

Unit No: 77

**Interval: 5076.00 ft (KB) To 5095.00 ft (KB) (TVD)**

Reference Elevations: 1842.00 ft (KB)

Total Depth: 5225.00 ft (KB) (TVD)

1837.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8373 Below (Straddle)**

Press@RunDepth: psig @ 5102.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.02.14

End Date: 2018.02.15

Last Calib.: 2018.02.15

Start Time: 15:50:20

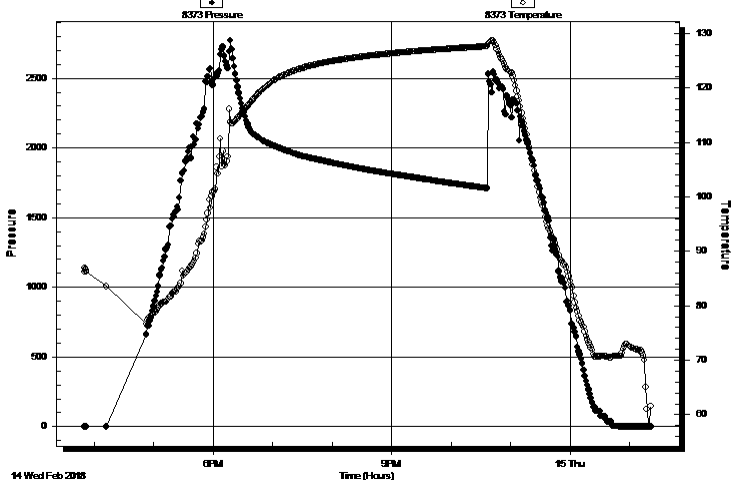
End Time: 01:22:15

Time On Btm:

Time Off Btm:

**TEST COMMENT:** 45-IFP-weak to a fair blow 1/2" to 3 1/2" blow  
60-ISIP-no blow back  
60-FFP-very weak surface blow  
90-FSIP-no blow back

Pressure vs. Time



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
200.00	Water	1.71

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Everglow Energy LLC

**25-33s-17w Comanche,KS**

6908 NW 112th St  
Oklahoma City OK 73162

**Warren #1-25**

Job Ticket: 63512

**DST#: 2**

ATTN: Tisha Love, Tom Cast

Test Start: 2018.02.14 @ 15:50:20

## Tool Information

Drill Pipe:	Length: 4954.00 ft	Diameter: 3.80 inches	Volume: 69.49 bbl	Tool Weight: 2200.00 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 70.08 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	5076.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	5095.00 ft			
Interval between Packers:	19.00 ft			
Tool Length:	183.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

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

Change Over Sub	1.00			5048.00	
Shut In Tool	5.00			5053.00	
Hydraulic tool	5.00			5058.00	
Jars	5.00			5063.00	
Safety Joint	3.00			5066.00	
Packer	5.00			5071.00	29.00 Bottom Of Top Packer
Packer	5.00			5076.00	
Stubb	1.00			5077.00	
Perforations	4.00			5081.00	
Recorder	0.00	8360	Inside	5081.00	
Recorder	0.00	8673	Outside	5081.00	
Perforations	10.00			5091.00	
Blank Off Sub	1.00			5092.00	
Blank Spacing	3.00			5095.00	19.00 Tool Interval
Packer	5.00			5100.00	
Stubb	1.00			5101.00	
Perforations	1.00			5102.00	
Recorder	0.00	8373	Below	5102.00	
Blank Spacing	128.00			5230.00	135.00 Bottom Packers & Anchor

**Total Tool Length: 183.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Everglow Energy LLC

**25-33s-17w Comanche,KS**

6908 NW 112th St  
Oklahoma City OK 73162

**Warren #1-25**

Job Ticket: 63512

**DST#: 2**

ATTN: Tisha Love, Tom Cast

Test Start: 2018.02.14 @ 15:50:20

## 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:

82000 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbf

Water Loss: 9.07 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbf
200.00	Water	1.712

Total Length: 200.00 ft      Total Volume: 1.712 bbf

Num Fluid Samples: 0

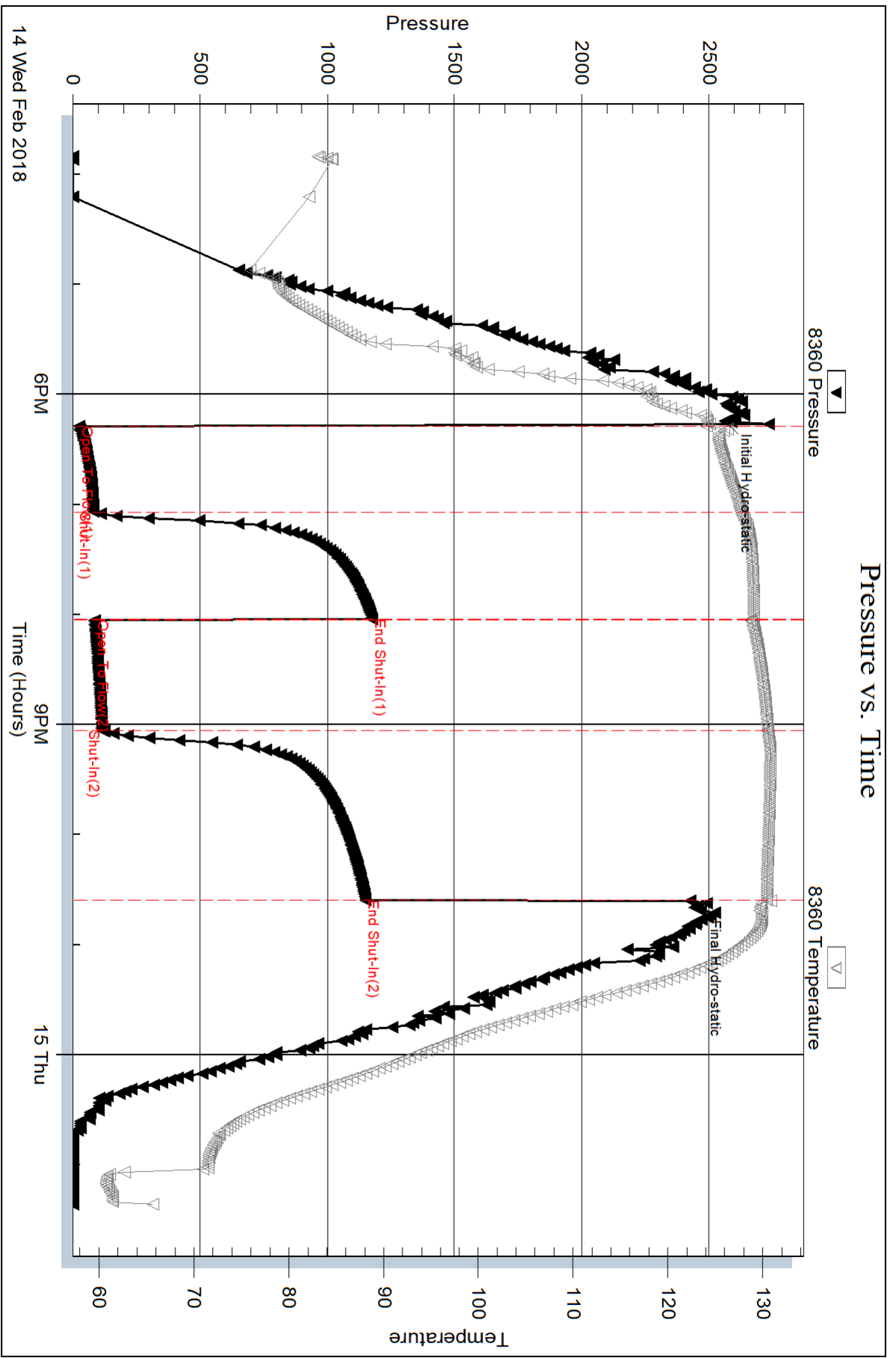
Num Gas Bombs: 0

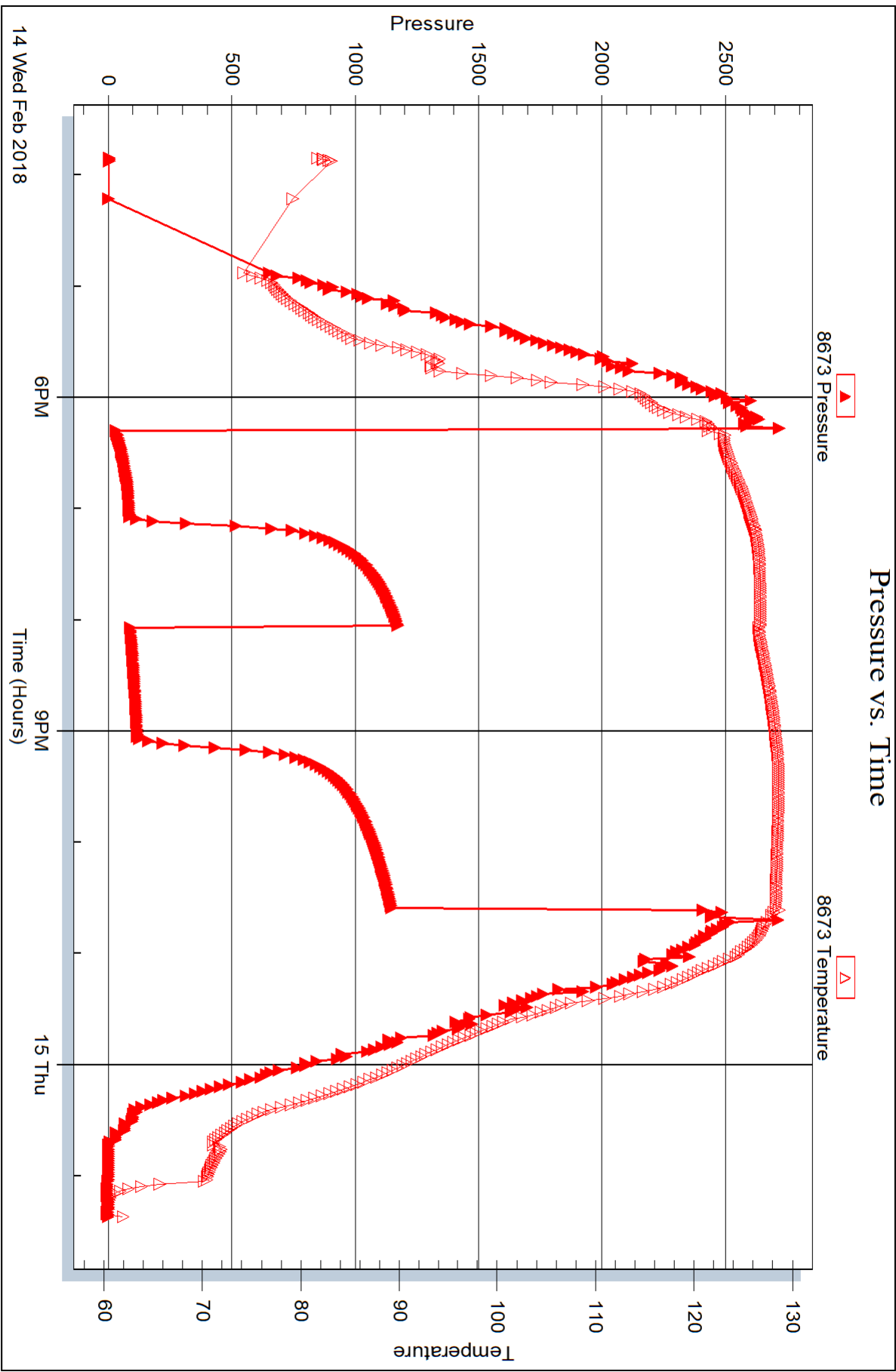
Serial #:

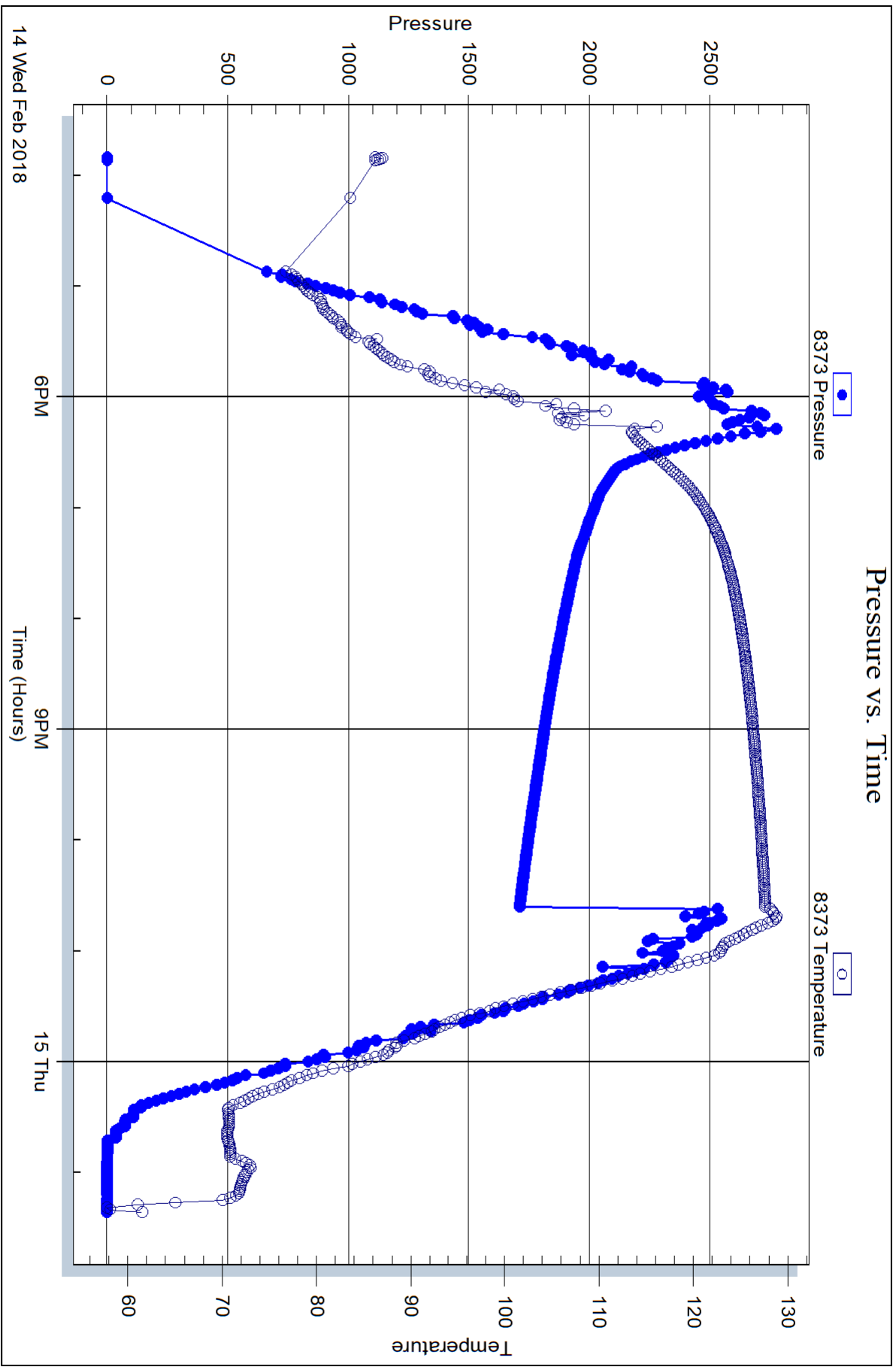
Laboratory Name:

Laboratory Location:

Recovery Comments: RW .1@65









## DRILL STEM TEST REPORT

Prepared For: **Everglow Energy LLC**

6908 NW 112th St  
Oklahoma City Ok 73162

ATTN: Tisha Love, Tom Cast

### **Warren #1-25**

#### **25-33s-17w Comanche,KS**

Start Date: 2018.02.15 @ 09:05:32

End Date: 2018.02.15 @ 18:18:12

Job Ticket #: 63513                      DST #: 3

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2018.02.16 @ 09:17:11



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Everglow Energy LLC

**25-33s-17w Comanche, KS**

6908 NW 112th St  
Oklahoma City OK 73162

**Warren #1-25**

ATTN: Tisha Love, Tom Cast

Job Ticket: 63513

**DST#: 3**

Test Start: 2018.02.15 @ 09:05:32

## GENERAL INFORMATION:

Formation: **Warsaw**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:50:12

Time Test Ended: 18:18:12

Test Type: Conventional Straddle (Reset)

Tester: Ray Schwager

Unit No: 77

**Interval: 5120.00 ft (KB) To 5148.00 ft (KB) (TVD)**

Reference Elevations: 1842.00 ft (KB)

Total Depth: 5225.00 ft (KB) (TVD)

1837.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8360**

**Inside**

Press@RunDepth: 82.93 psig @ 5124.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.02.15

End Date:

2018.02.15

Last Calib.:

2018.02.15

Start Time:

09:05:32

End Time:

18:18:12

Time On Btm:

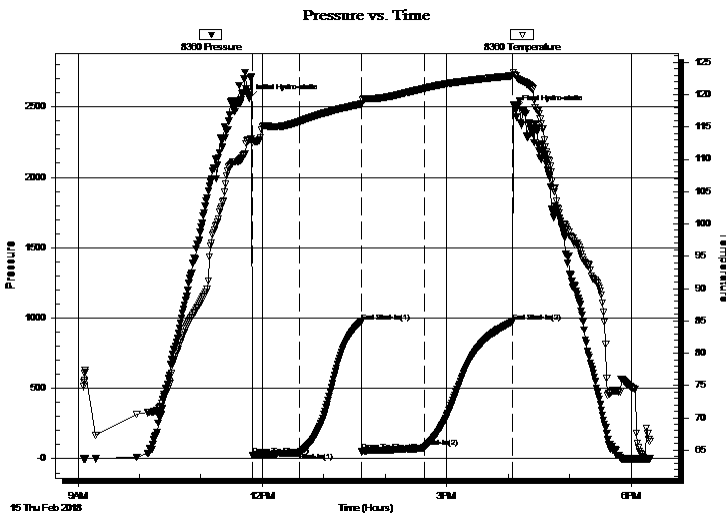
2018.02.15 @ 11:47:27

Time Off Btm:

2018.02.15 @ 16:07:26

**TEST COMMENT:** 45-IFP-weak blow thru-out 1/4" to 2 1/2" blow  
60-ISIP-no blow back  
60-FFP-weak blow thru-out 1" to 3" blow  
90-FSIP-no blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2559.67	113.07	Initial Hydro-static
3	24.38	112.56	Open To Flow (1)
49	43.82	115.84	Shut-In(1)
110	975.42	118.54	End Shut-In(1)
110	50.74	118.64	Open To Flow (2)
171	82.93	120.96	Shut-In(2)
257	973.16	122.92	End Shut-In(2)
260	2480.94	122.96	Final Hydro-static

## Recovery

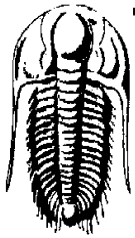
Length (ft)	Description	Volume (bbl)
60.00	OCM 6%O94%M	0.30
70.00	SOCM 1%O99%M	0.44
0.00	170' GIP	0.00

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE TESTING, INC.**

## DRILL STEM TEST REPORT

Everglow Energy LLC

**25-33s-17w Comanche,KS**

6908 NW 112th St  
Oklahoma City OK 73162

**Warren #1-25**

ATTN: Tisha Love, Tom Cast

Job Ticket: 63513

**DST#: 3**

Test Start: 2018.02.15 @ 09:05:32

### GENERAL INFORMATION:

Formation: **Warsaw**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:50:12

Time Test Ended: 18:18:12

**Interval: 5120.00 ft (KB) To 5148.00 ft (KB) (TVD)**

Total Depth: 5225.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Straddle (Reset)

Tester: Ray Schwager

Unit No: 77

Reference Elevations: 1842.00 ft (KB)

1837.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 8373**

**Below (Straddle)**

Press@RunDepth: psig @ 5162.00 ft (KB)

Start Date: 2018.02.15

End Date: 2018.02.15

Start Time: 09:05:09

End Time: 18:18:19

Capacity: 8000.00 psig

Last Calib.: 2018.02.15

Time On Btm:

Time Off Btm:

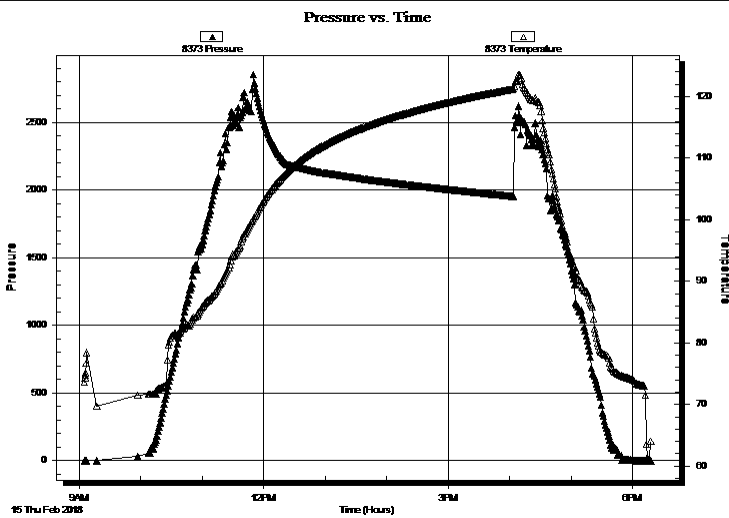
**TEST COMMENT:** 45-IFP-w eak blow thru-out 1/4" to 2 1/2" blow

60-ISIP-no blow back

60-FFP-w eak blow thru-out 1" to 3" blow

90-FSIP-no blow back

### PRESSURE SUMMARY



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

### Recovery

Length (ft)	Description	Volume (bbl)
60.00	OCM 6% O94% M	0.30
70.00	SOCM !% O99% M	0.44
0.00	170' GIP	0.00

### Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE TESTING, INC.**

## DRILL STEM TEST REPORT

Everglow Energy LLC

**25-33s-17w Comanche,KS**

6908 NW 112th St  
Oklahoma City OK 73162

**Warren #1-25**

Job Ticket: 63513

**DST#: 3**

ATTN: Tisha Love, Tom Cast

Test Start: 2018.02.15 @ 09:05:32

### GENERAL INFORMATION:

Formation: **Warsaw**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:50:12

Time Test Ended: 18:18:12

Test Type: Conventional Straddle (Reset)

Tester: Ray Schwager

Unit No: 77

Interval: **5120.00 ft (KB) To 5148.00 ft (KB) (TVD)**

Reference Elevations: 1842.00 ft (KB)

Total Depth: 5225.00 ft (KB) (TVD)

1837.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8673**

**Outside**

Press@RunDepth: psig @ 5124.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.02.15 End Date: 2018.02.15

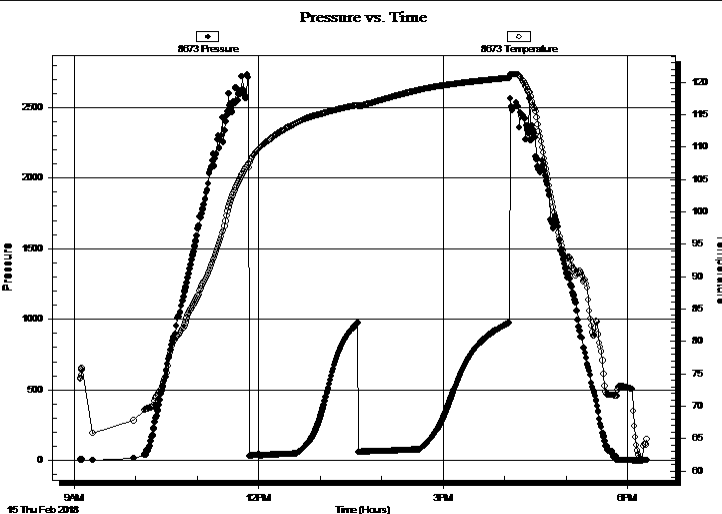
Last Calib.: 2018.02.15

Start Time: 09:05:57 End Time: 18:18:37

Time On Btm:

Time Off Btm:

TEST COMMENT: 45-IFP-w eak blow thru-out 1/4" to 2 1/2" blow  
60-ISIP-no blow back  
60-FFP-w eak blow thru-out 1" to 3" blow  
90-FSIP-no blow back



### PRESSURE SUMMARY

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

### Recovery

Length (ft)	Description	Volume (bbl)
60.00	OCM 6% O94%M	0.30
70.00	SOCM 1% O99%M	0.44
0.00	170' GIP	0.00

### Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Everglow Energy LLC

**25-33s-17w Comanche,KS**

6908 NW 112th St  
Oklahoma City OK 73162

**Warren #1-25**

Job Ticket: 63513

**DST#: 3**

ATTN: Tisha Love, Tom Cast

Test Start: 2018.02.15 @ 09:05:32

## Tool Information

Drill Pipe:	Length: 4985.00 ft	Diameter: 3.80 inches	Volume: 69.93 bbl	Tool Weight: 2200.00 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 70.52 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	5120.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	5148.00 ft			
Interval between Packers:	28.00 ft			
Tool Length:	138.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

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

Change Over Sub	1.00			5092.00	
Shut In Tool	5.00			5097.00	
Hydraulic tool	5.00			5102.00	
Jars	5.00			5107.00	
Safety Joint	3.00			5110.00	
Packer	5.00			5115.00	29.00 Bottom Of Top Packer
Packer	5.00			5120.00	
Stubb	1.00			5121.00	
Perforations	3.00			5124.00	
Recorder	0.00	8360	Inside	5124.00	
Recorder	0.00	8673	Outside	5124.00	
Perforations	20.00			5144.00	
Blank Off Sub	1.00			5145.00	
Blank Spacing	3.00			5148.00	28.00 Tool Interval
Packer	5.00			5153.00	
Stubb	1.00			5154.00	
Perforations	8.00			5162.00	
Recorder	0.00	8373	Below	5162.00	
Blank Spacing	64.00			5226.00	
Bullnose	3.00			5229.00	81.00 Bottom Packers & Anchor

**Total Tool Length: 138.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Everglow Energy LLC

**25-33s-17w Comanche,KS**

6908 NW 112th St  
Oklahoma City OK 73162

**Warren #1-25**

Job Ticket: 63513

**DST#: 3**

ATTN: Tisha Love, Tom Cast

Test Start: 2018.02.15 @ 09:05:32

## 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: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.08 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	OCM 6%O94%M	0.295
70.00	SOCM 1%O99%M	0.435
0.00	170' GIP	0.000

Total Length: 130.00 ft      Total Volume: 0.730 bbl

Num Fluid Samples: 0

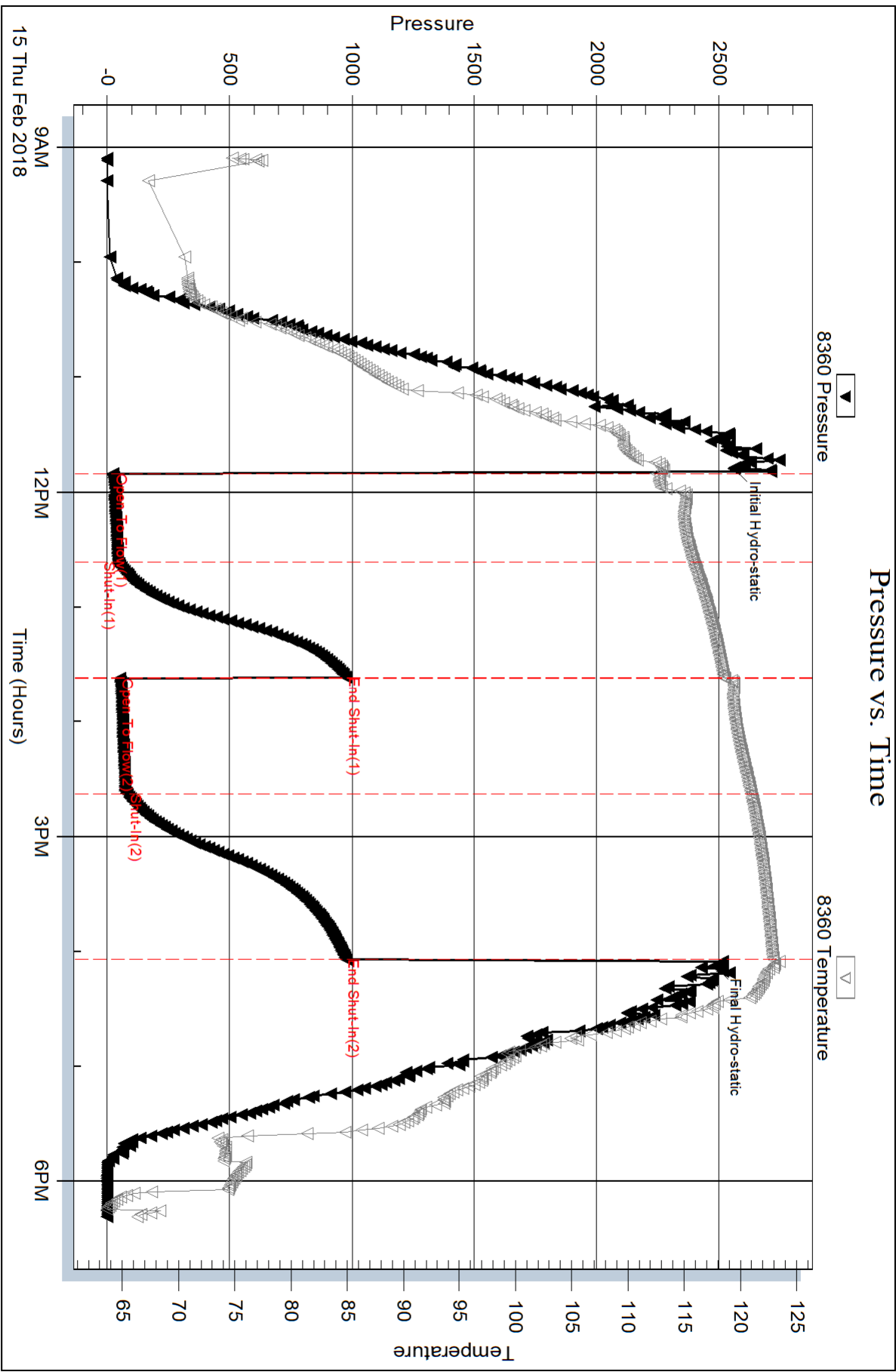
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

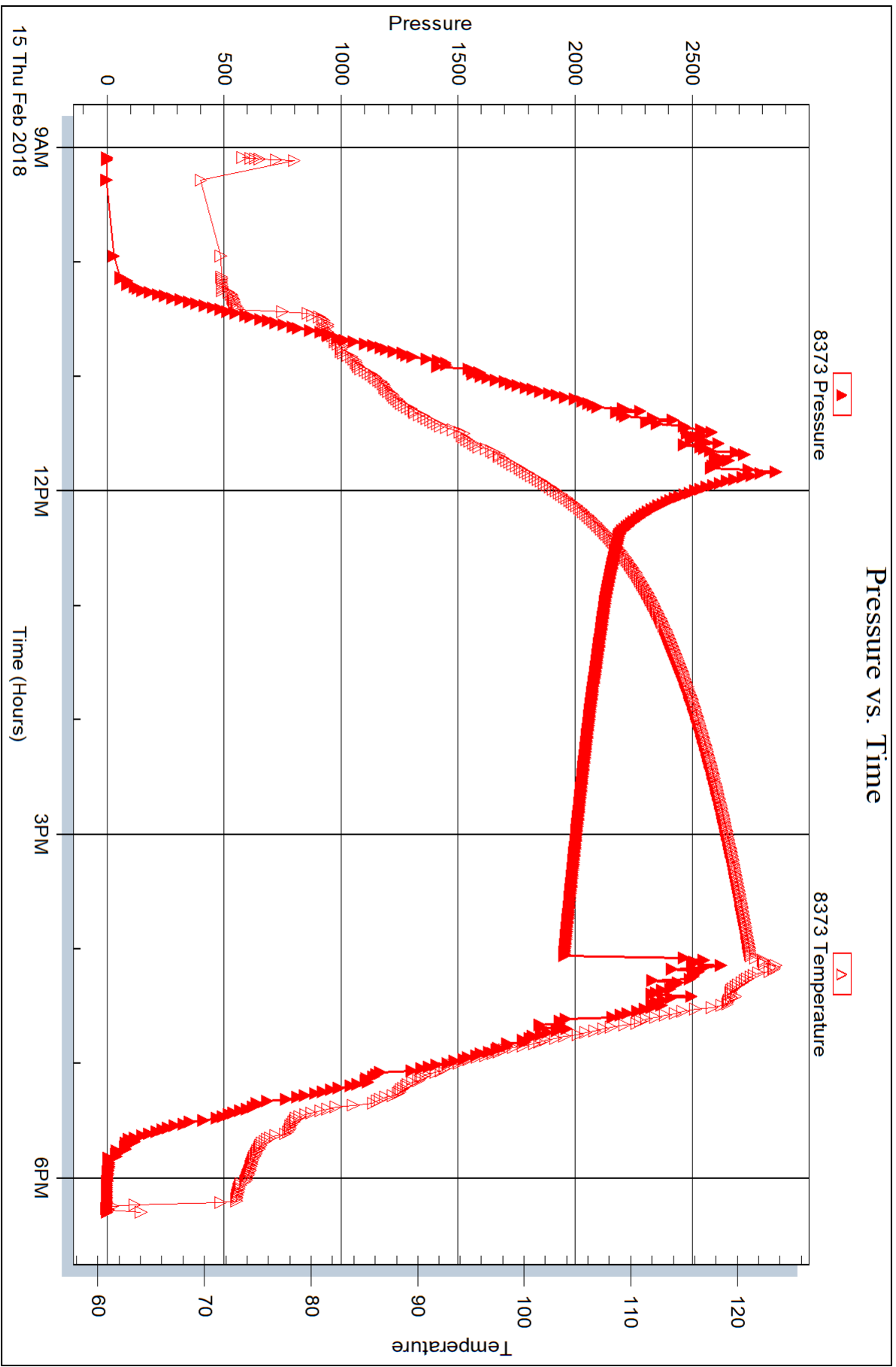


Serial #: 8373

Below (Stratfield) Energy LLC

Warren #1-25

DST Test Number: 3

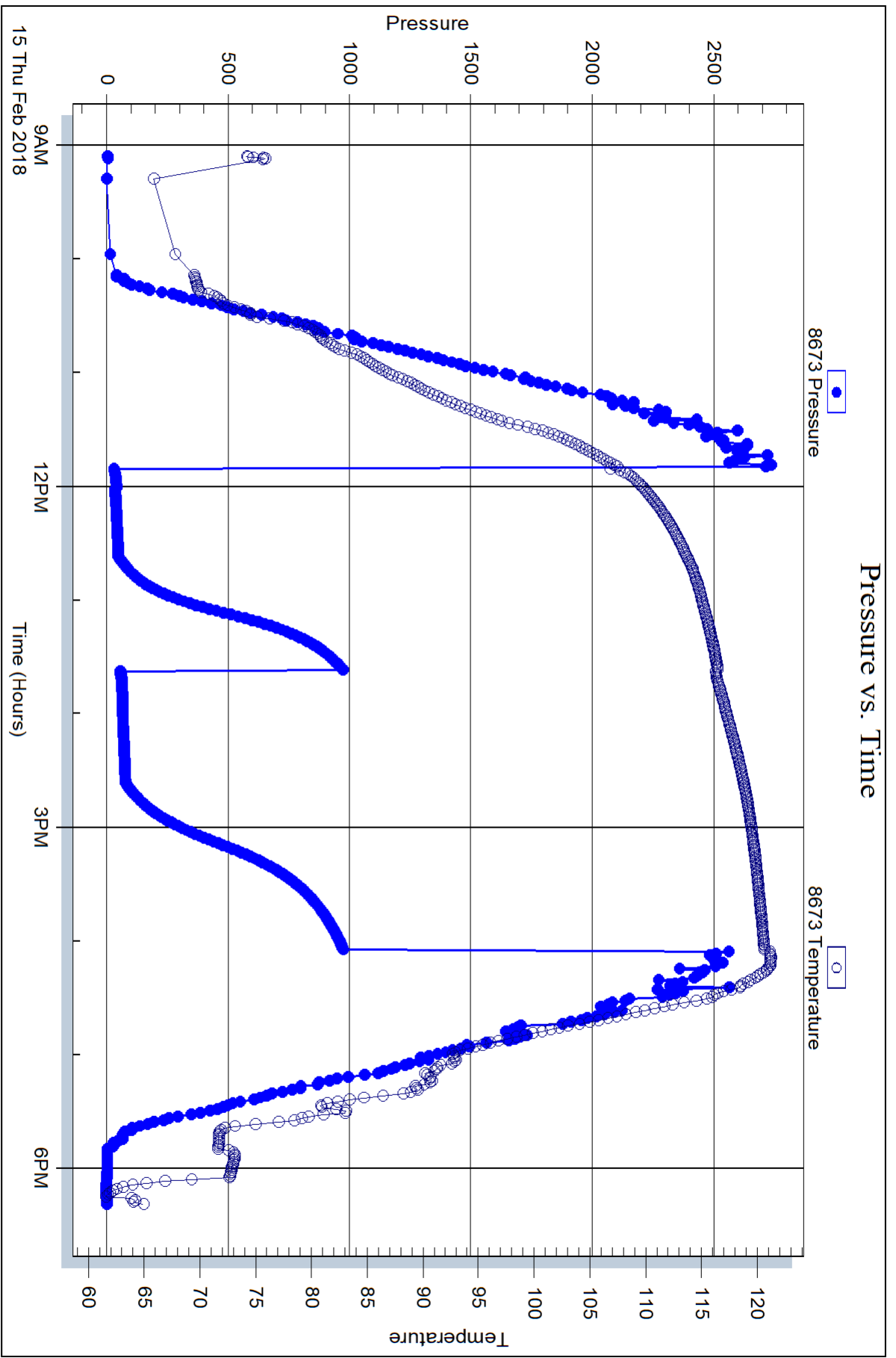


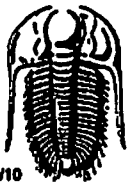
Serial #: 8673

Outside Everglow Energy LLC

Warren #1-25

DST Test Number: 3





# TRIOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 63511

Well Name & No. WARREN #1-25 Test No. 1 Date 2-14-18  
 Company Everglow Energy LLC Elevation 1842 KB 1837 GL  
 Address 6908 N.W. 112<sup>th</sup> ST. OKLAHOMA CITY, OK 73162  
 Co. Rep / Geo. Tom Castelli Rig WW Rig 2  
 Location: Sec. 25 Twp 33<sup>s</sup> Rge. 17<sup>w</sup> Co. Comanche State Ks

Interval Tested 5050-5076 Zone Tested Miss  
 Anchor Length 26 Drill Pipe Run 4921 Mud Wt. 9.3  
 Top Packer Depth 5050-5045 Drill Collars Run 120 Vis 58  
 Bottom Packer Depth 5076 Wt. Pipe Run — WL 9.2  
 Total Depth 5225 Chlorides 9000 ppm System LCM 2#

Blow Description IFP - BOB IN 2 MIN  
ISIP - NO BLOW BACK  
FFP - WEAK TO A FAIR BLOW 1/2" TO 6" BLOW  
FSTIP - NO BLOW BACK

Rec	Feet of	%gas	%oil	%water	%mud
<u>400</u>	<u>G.T.P</u>				
<u>20</u>	<u>OCM</u>		<u>5</u>		<u>95</u>
<u>60</u>	<u>HOT GCM</u>	<u>15</u>	<u>35</u>		<u>60</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 80 BHT 125 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2463  Test 1250 T-On Location 0300  
 (B) First Initial Flow 27  Jars 250 T-Started 0350  
 (C) First Final Flow 43  Safety Joint 75 T-Open 0650  
 (D) Initial Shut-In 662  Circ Sub \_\_\_\_\_ T-Pulled 1150  
 (E) Second Initial Flow 42  Hourly Standby \_\_\_\_\_ T-Out 1416  
 (F) Second Final Flow 74  Mileage 164 RT, from PRATT<sup>164</sup> Comments \_\_\_\_\_  
 (G) Final Shut-In 764  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2437  Straddle 600  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_

Initial Open 60  
 Initial Shut-In 60  
 Final Flow 90  
 Final Shut-In 90  
 Sub Total 2339  
 Total 2339  
 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative RAY SCHWAGN THANK YOU  
 Triobite 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. 63512

Well Name & No. WARREN #1-25 Test No. 2 Date 2-14-18  
 Company Everglow Energy LLC Elevation 1842 KB 1837 GL  
 Address 6908 N.W. 112<sup>th</sup> ST OKLAHOMA CITY, KS 673162  
 Co. Rep / Geo. Tom Castelli Rig WW rig 2  
 Location: Sec. 25 Twp 33<sup>s</sup> Rge. 17<sup>w</sup> Co. Comanche State Ks

Interval Tested 5076-5095 Zone Tested MISS  
 Anchor Length 19 Drill Pipe Run 4954 Mud Wt. 9.3  
 Top Packer Depth 5076-5071 Drill Collars Run 120 Vis 58  
 Bottom Packer Depth 5095 Wt. Pipe Run - WL 9.2  
 Total Depth 5225 Chlorides 9000 ppm System LCM 2<sup>#</sup>

Blow Description IFP-WEAK TO A FAIR BLOW 1/2" TO 3/4" BLOW  
ISTP-NO BLOW BACK  
FFP-SURFACE BLOW THRU-OUT  
FSTP-NO BLOW BACK

Rec	Feet of	%gas	%oil	%water	%mud
<u>200</u>	<u>WATER</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

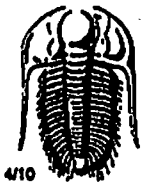
Rec Total 200 BHT 130 Gravity - API RW .1 @ 65 °F Chlorides 82000 ppm

(A) Initial Hydrostatic 2562  Test 1250 T-On Location 1415  
 (B) First Initial Flow 24  Jars 250 T-Started 1550  
 (C) First Final Flow 81  Safety Joint 75 T-Open 1815  
 (D) Initial Shut-In 1175  Circ Sub T-Pulled 2230  
 (E) Second Initial Flow 85  Hourly Standby T-Out 0121  
 (F) Second Final Flow 115  Mileage \_\_\_\_\_  
 (G) Final Shut-In 1149  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2444  Straddle 600  Ruined Shale Packer \_\_\_\_\_

Initial Open 45  Shale Packer \_\_\_\_\_  
 Initial Shut-In 60  Extra Packer \_\_\_\_\_  
 Final Flow 60  Extra Recorder \_\_\_\_\_  
 Final Shut-In 90  Day Standby \_\_\_\_\_  
 Sub Total 2175  Accessibility \_\_\_\_\_  
 Total 2175 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Ray Schwager Mark  
402

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.



# TRIOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 63513

Well Name & No. WARREN #1-25 Test No. 3 Date 2-15-18  
 Company Everglow Energy LLC Elevation 1842 KB 1837 GL  
 Address 6908 N.W. 112<sup>th</sup> ST OKLAHOMA CITY, OK 73162  
 Co. Rep / Geo. Tom Castelli Rig WW rig 2  
 Location: Sec. 25 Twp 33<sup>s</sup> Rge. 17<sup>w</sup> Co. Comanche State Ks

Interval Tested 5120-5148 Zone Tested WARSAW  
 Anchor Length 28 Drill Pipe Run 4985 Mud Wt. 9  
 Top Packer Depth 5120-5115 Drill Collars Run 120 Vis 60  
 Bottom Packer Depth 5148 Wt. Pipe Run - WL 9.2  
 Total Depth 5225 Chlorides 9000 ppm System LCM 2#  
 Blow Description IFP - WEAK BLOW THRU-OUT 1/4" TO 2 1/2" BLOW  
ISTP - NO BLOW BACK  
FFP - WEAK BLOW THRU-OUT 1" TO 3" BLOW  
FSTP - NO BLOW BACK

Rec	Feet of	%gas	%oil	%water	%mud
<u>170</u>	<u>GTP</u>				
<u>70</u>	<u>50CM</u>		<u>1</u>	<u>99</u>	
<u>60</u>	<u>0CM</u>		<u>6</u>	<u>94</u>	

Rec Total 130 BHT 123 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic <u>2559</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>0800</u>
(B) First Initial Flow <u>24</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>0905</u>
(C) First Final Flow <u>43</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1150</u>
(D) Initial Shut-In <u>975</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>1605</u>
(E) Second Initial Flow <u>50</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>1818</u>
(F) Second Final Flow <u>82</u>	<input checked="" type="checkbox"/> Mileage	Comments <u>stayed on location</u>
(G) Final Shut-In <u>973</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2480</u>	<input checked="" type="checkbox"/> Straddle <u>600</u>	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Open <u>45</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Flow <u>60</u>	<input type="checkbox"/> Day Standby	Total <u>2175</u>
Final Shut-In <u>90</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>2175</u>	

Approved By \_\_\_\_\_ Our Representative Ray Schwager *y hand you*

Triobite 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.

RU Basic Energy Svc for a Pad Acid Frac as follows: Stage #1; 2,000 20% NE/Fe, 47# & 11.7 bpm. Stage #2; 3,000 gal 20 lb Liner Gel #1, 41# & 15.5 bpm. Stage #3; 2,000 gal 20% NE/Fe, 47# & 11.8 bpm. Stage #4; 3,000 gal 20 lb Liner Gel #1, 31# & 16.4 bpm. Stage #5; 2,000 gal 20% NE/Fe, 88# & 18.7 bpm. Stage #6; 4,000 gal 20 lb Liner Gel #1, 66# & 18.5 bpm. Stage #7; 2,000 gal 20% NE/Fe, 134# & 18.0 bpm. Stage #8; 4,000 gal 20 lb Liner Gel #1, 72# & 19.4 bpm. Stage #9; 2,000 gal 20% NE/Fe, 104# & 14.7 bpm. Stage #10; 5,065 gal 20 lb Liner Gel #2, 41# & 19.9 bpm. Stage #11; 1,250 gal 20 lb Liner Gel #3, 41# & 19.9 bpm. ISIP – Vac. Total Load – 716 bbl. SIC, RDMO Basic Energy.



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

<b>Well Name:</b>	Everglow Energy, LLC.	<b>Warren #1-25</b>
<b>Location:</b>	Section 25, T33S-R17W	<b>Comanche Co., Kansas</b>
<b>Licence Number:</b>	15-033-21783-00-00	<b>Region: SE Coldwater</b>
<b>Spud Date:</b>	2/1/2018	<b>Drilling Completed:</b>
<b>Surface Coordinates:</b>	1,650' FNL & 2,310' FWL	
	Section 25-T33S-R17W in Comanche Co., Kansas	
<b>Bottom Hole Coordinates:</b>	As above	
<b>Ground Elevation (ft):</b>	1,829'	<b>K.B. Elevation (ft): 1,834'</b>
<b>Logged Interval (ft):</b>	4,000' To: TD	<b>Total Depth (ft):</b>
<b>Formation:</b>	Pennsylvanian	
<b>Type of Drilling Fluid:</b>	Chemical	

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 [www.WellSight.com](http://www.WellSight.com)

#### OPERATOR

**Company:** Everglow Energy, LLC.  
**Address:** 6908 NW 112th St  
Oklahoma City, Oklahoma 73162

#### GEOLOGIST

**Name:** Tom Castelli  
**Company:** Castelli Exploration, Inc.  
**Address:** 6908 NW 112th St  
Oklahoma City, Oklahoma 73162

## Comments

Drilling Contractor: WW Drilling Company, Rig #2


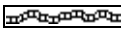
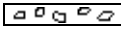
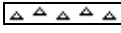
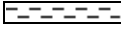







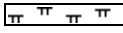

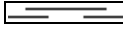
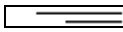
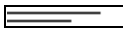







Logging Unit: GeoDynamic #18

Logging Engineer: Dan Pittman








































































Mobile: (580) 216-5744

Instruments calibrated 1/19/2018 where 1% methane equals 100 units of total gas.
























### ROCK TYPES

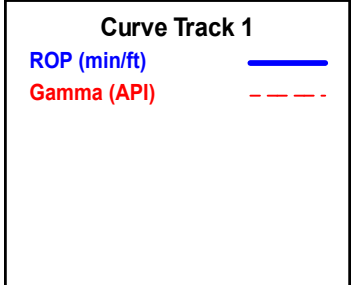
 Anhy  Bent  Brec  Cht  Clyst	 Coal  Congl  Dol  Gyp  Igne	<h4 style="text-align: center;">ROCK TYPES</h4>  Lmst  Meta  Mrlst  Salt  Shale	 Shcol  Shgy  Sltst  Ss  Till	 sdv sh  calc sh  shale  carb sh
---	---	--	---	---

### ACCESSORIES

<h4>MINERAL</h4>  Anhy  Arggrn  Arg  Bent  Bit  Brecfrag  Calc  Carb  Chtdk  Chtlt  Dol  Feldspar  Ferrpel  Ferr  Glau	 Gyp  Hvymin  Kaol  Marl  Minxl  Nodule  Phos  Pyr  Salt  Sandy  Silt  Sil  Sulphur  Tuff	<h4>FOSSIL</h4>  Algae  Amph  Belm  Bioclst  Brach  Bryozoa  Cephal  Coral  Crin  Echin  Fish  Foram  Fossil  Gastro  Oolite	 Ostra  Pelec  Pellet  Pisolite  Plant  Strom  <h4>STRINGER</h4>  Anhy  Arg  Bent  Coal  Dol  Gyp  Ls  Mrst	 Sltstrg  Ssstrg  <h4>TEXTURE</h4>  Boundst  Chalky  Cryxln  Earthy  Finexln  Grainst  Lithogr  Microxln  Mudst  Packst  Wackest
---	---	--	--	---

### OTHER SYMBOLS

<h4>POROSITY TYPE</h4>  Earthy  Fenest  Fracture  Inter  Moldic  Organic  Pinpoint	 Vuggy  <h4>SORTING</h4>  Well  Moderate  Poor	<h4>ROUNDING</h4>  Rounded  Subrnd  Subang  Angular  <h4>OIL SHOWS</h4>  Even	 Spotted  Ques  Dead  <h4>INTERVALS</h4>  Core  Dst	<h4>EVENTS</h4>  Rft  Sidewall
--	--	---	---	---



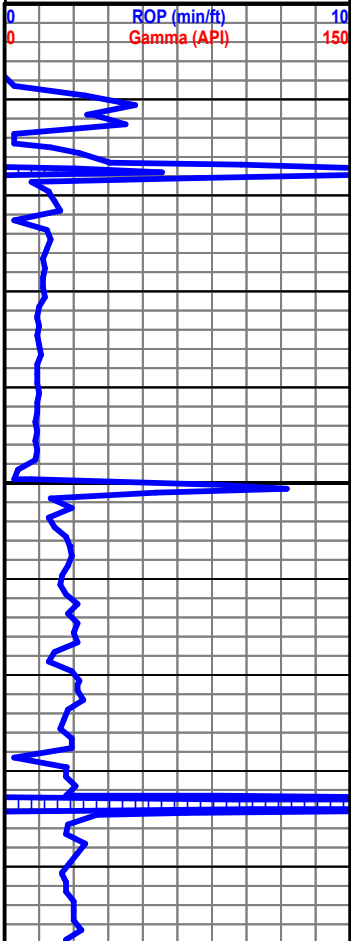
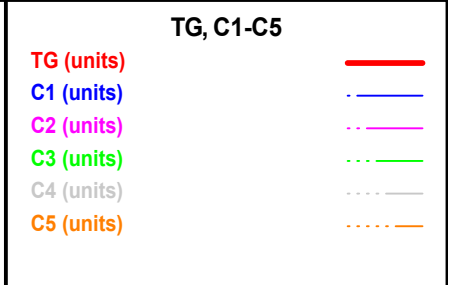
Depth

% Lithology

Sample Photos

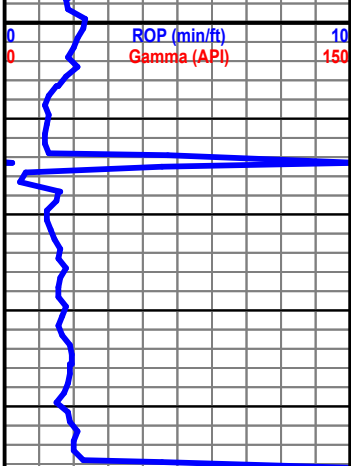
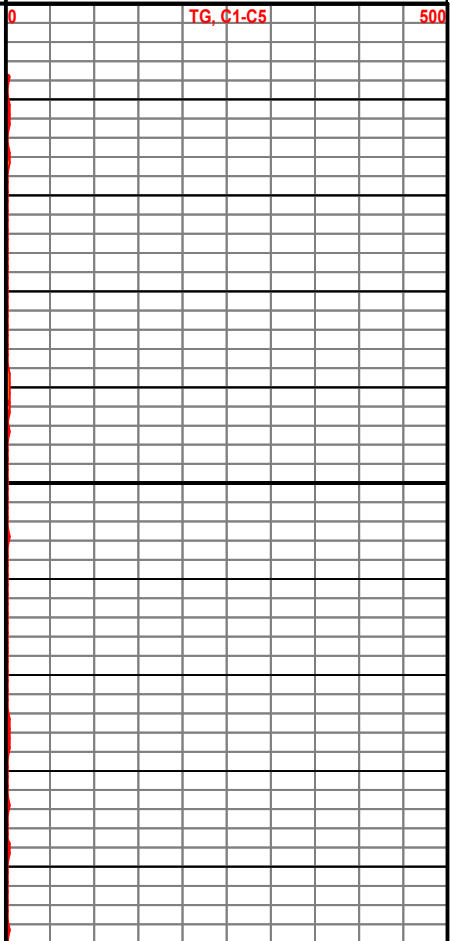
Oil Shows

Geological Descriptions



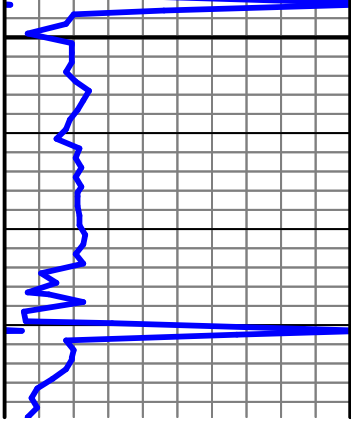
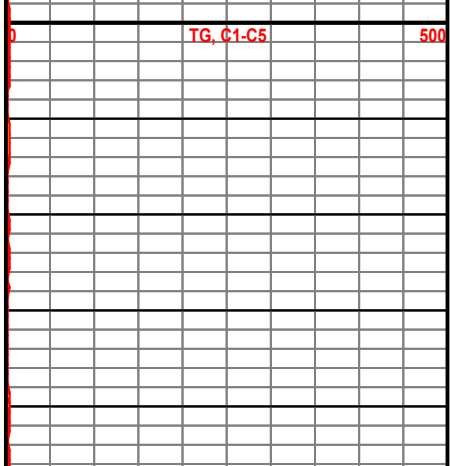
3330

3350

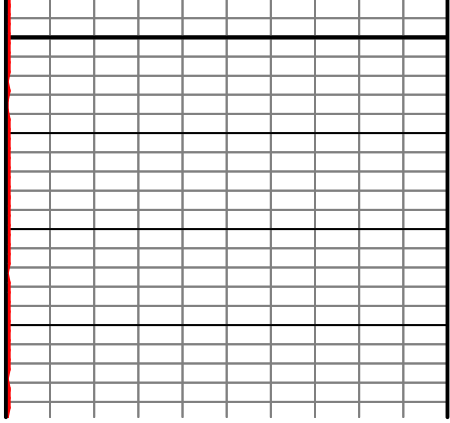


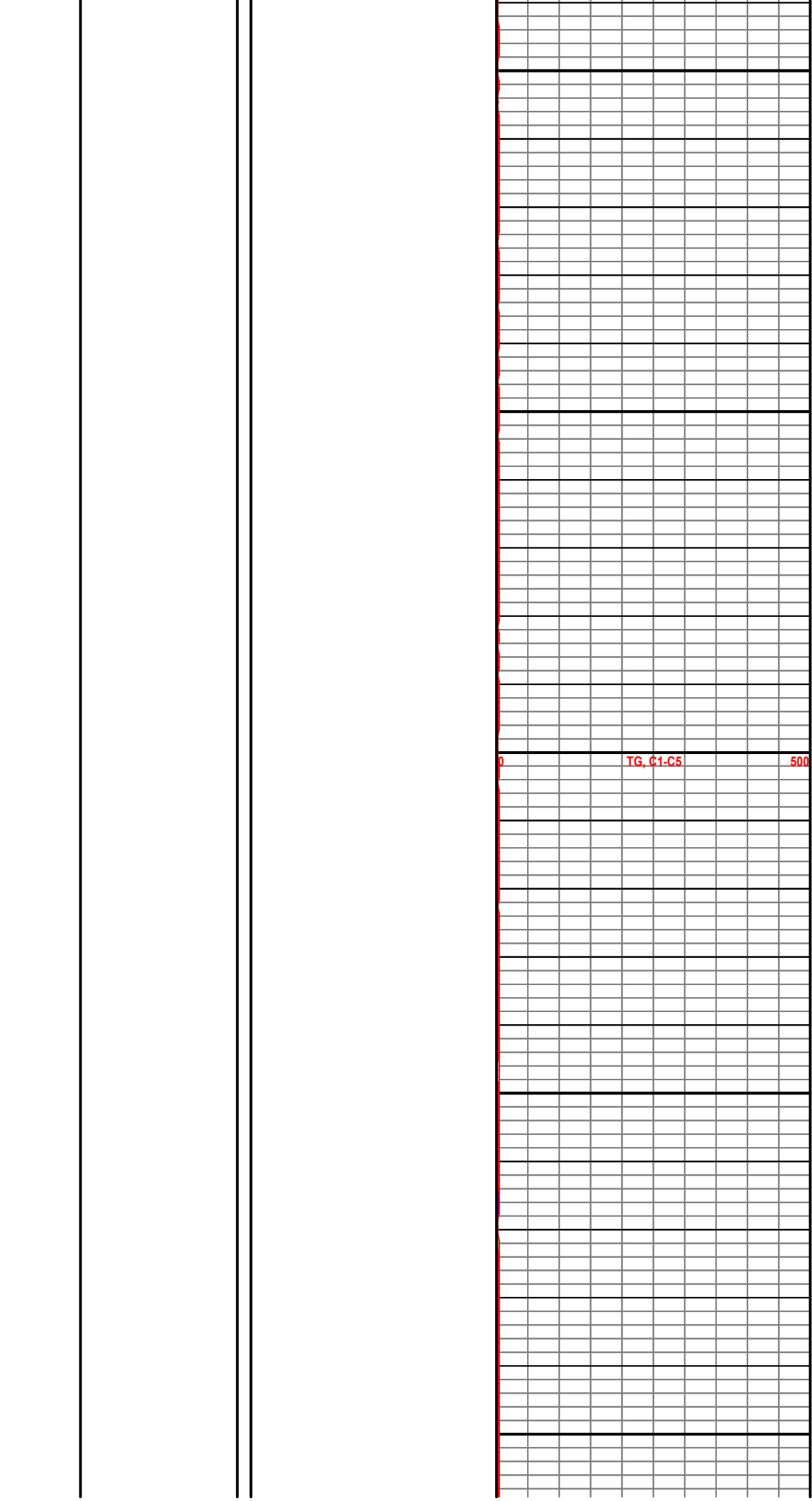
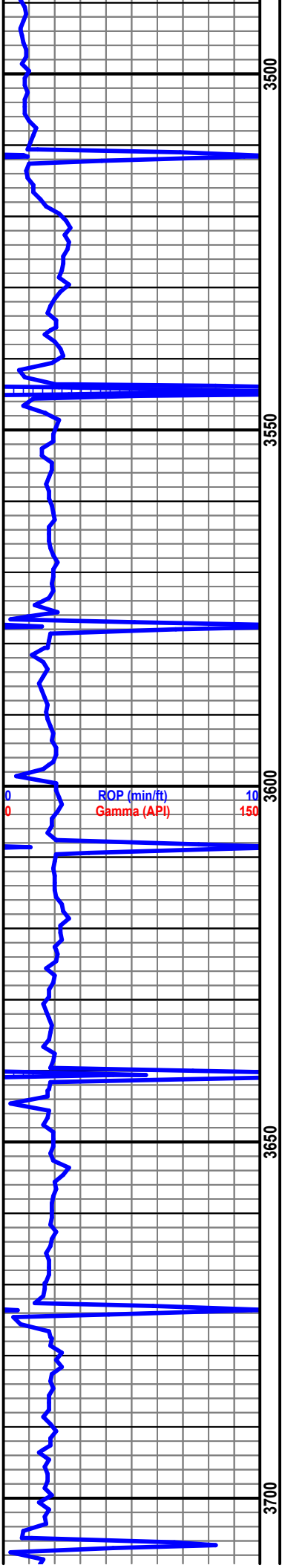
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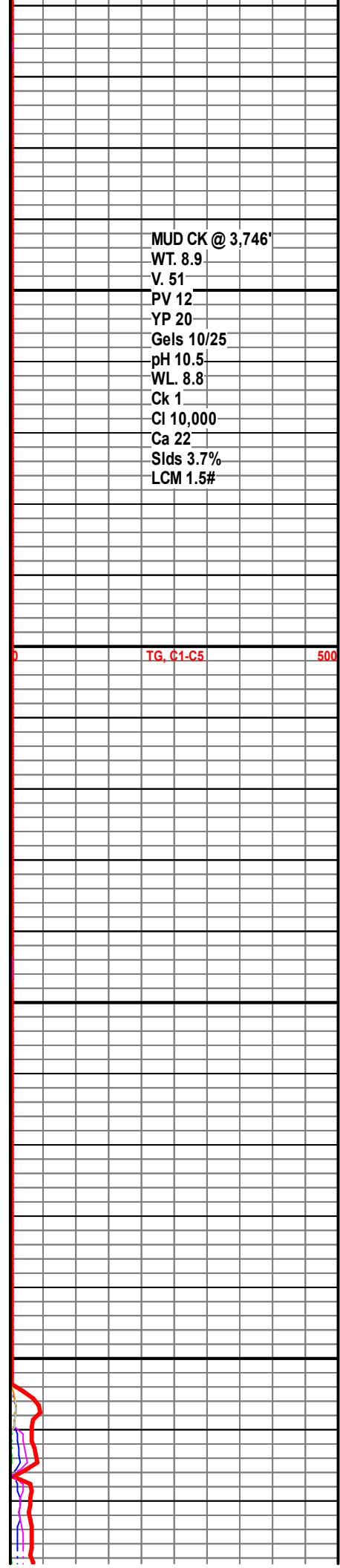
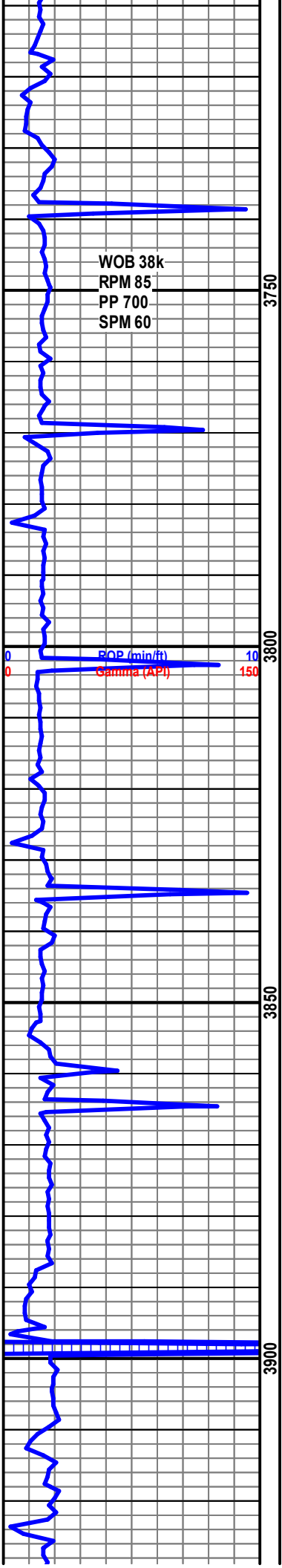
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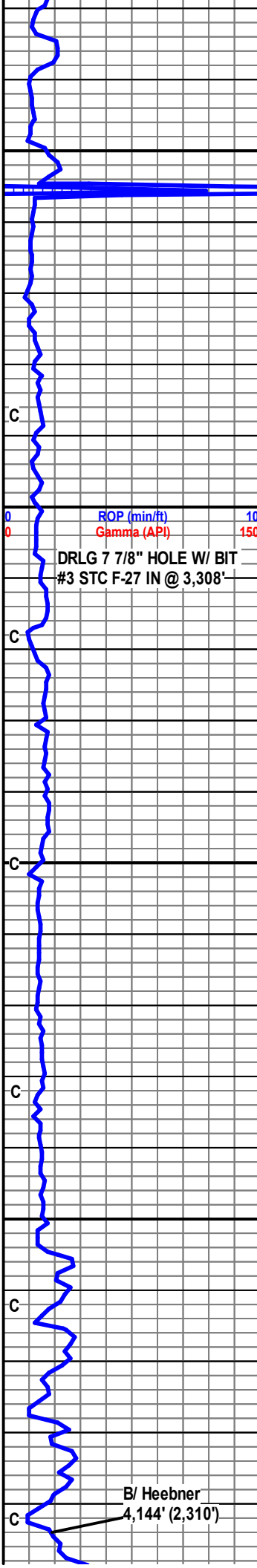
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3950

4000

4050

4100

ROP (min/ft)  
Gamma (API)

10  
150

DRLG 7 7/8" HOLE W/ BIT  
#3 STC F-27 IN @ 3,308'

B/ Heebner  
4,144' (2,310')

C

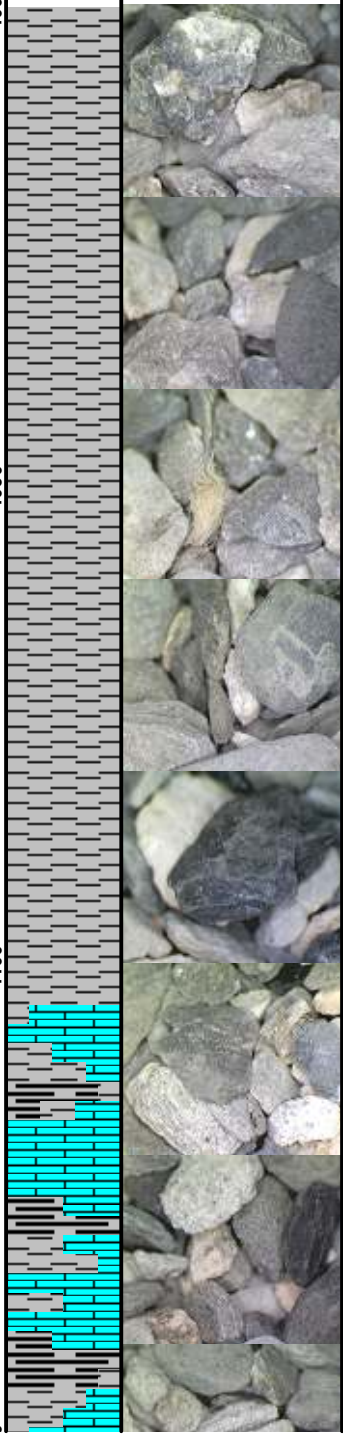
C

C

C

C

C



BEGAN ONE MAN MUD LOGGING  
SERVICE @ 7:10 PM ON 2/10/2018  
@ 4,000'

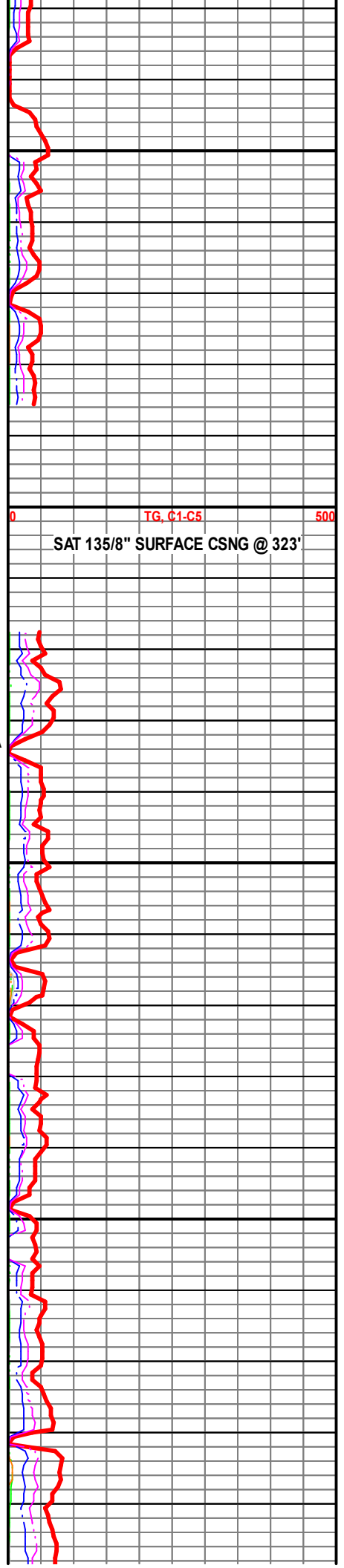
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PLTY, SM SLI CALC I.P., FNLY MICA

SH- MED GY-DK GY, V/F-F TXT,  
MOD FRM, PLTY, SM SLI CLAC, SM  
SLI PYR'IC I.P., FNLY MICA

SH- MED GY-DK GY, V/F TXT, MOD  
FRM, PLTY, SM SLI CALC, FNLY  
MICA

SH- DK GY, V/F TXT, MOD FRM,  
FRM, SLI CALC, SM SLI CARB I.P.

SH- MED GY-DK GY-BLK, V/F TXT,  
MOD FRM, PLTY-BLKY, FNLY MICA,  
CARB



TG, C1-C5

500

SAT 135/8" SURFACE CSNG @ 323'

0

0

0

0

0

0

4,149' @ 12:01 AM  
ON 2/11/2018

C

C

C

C

C

C

C

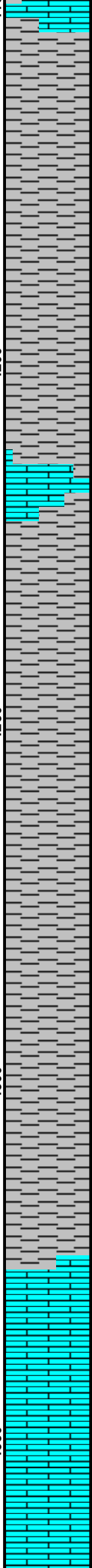
ROP (min/ft)  
Gamma (API)

10  
150

T/ Lansing KC  
4,327' (-2,493')

WOB 38k  
RPM 85-90  
PP 750  
SPM 60

4150  
4200  
4250  
4300  
4350



SH- MED GY-DK GY, V/F-F TXT,  
MOD FRM, PLTY, SM SLI CALC

SH- MED GY-DK GY, V/F-F TXT,  
MOD FRM, SM SLI CALC, SM SLI  
PYR'IC I.P., FNLY MICA

SH- MED GY-DK GY, V/F-F TXT,  
SFT-MOD FRM, PLTY, SM SLI CALC,  
W/ SM OFF WHT-CRM V/F XLN  
MOD FRM, SLI ARGL LS, W/ PR  
INTR-XLN POR, NO VIS FLU, NO  
VIS CUT OR STN, NO ODOR

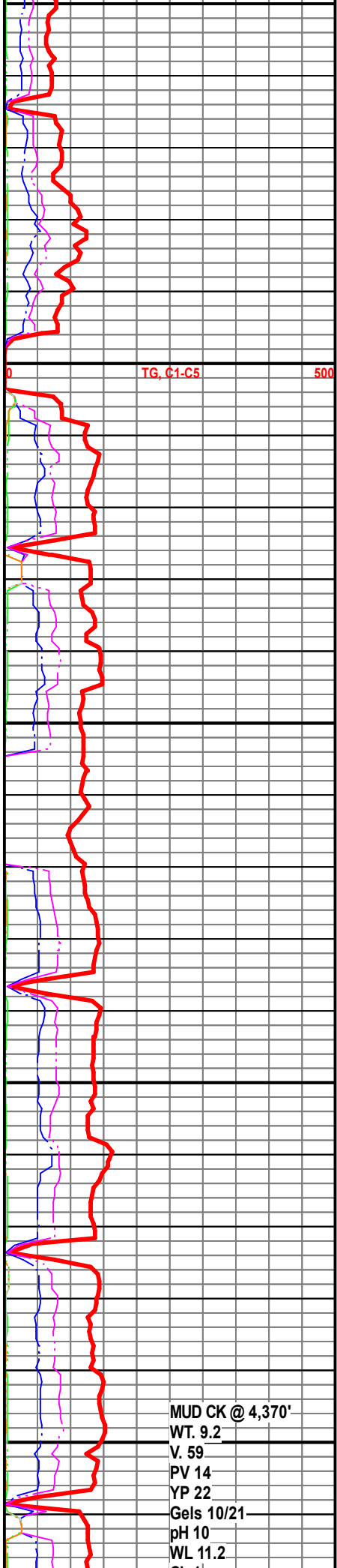
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MOD FRM, PLTY, SM SLI CALC I.P.,  
SM SLI PYR'IC, FNLY MICA

SH- ME DGY, V/F TXT, MOD FRM,  
PLTY, SM SLI CALC I.P., FNLY MICA

SH- MED GY-DK GY, V/F-F TXT,  
MOD FRM, PLTY, SM SLI CALC, SM  
SLI PYR'IC I.P., FNLY MICA

LS- OOF WHT-CRM, V/F XLN, MOD  
FRM-FRM, SM SLI ARGL I.P., SM  
SLI FOSS W/ TR CRIN ib, W/ DULL  
YEL MIN FLU, NO VIS CUT OR STN,  
NO ODOR

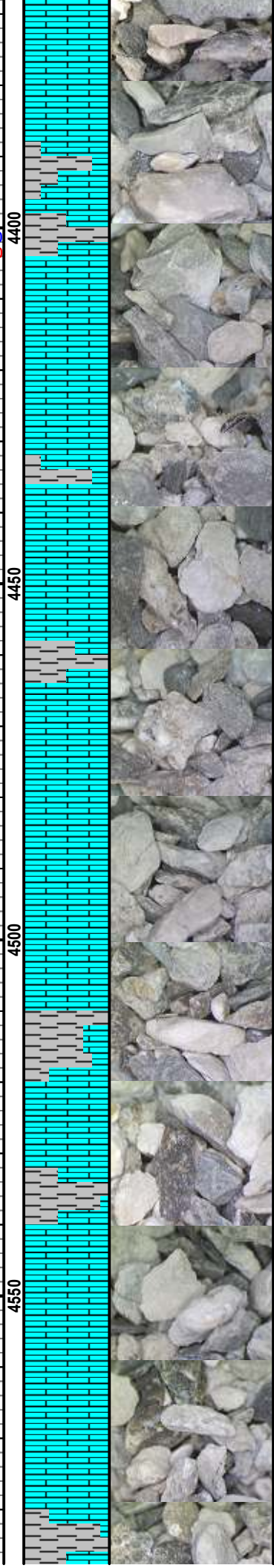
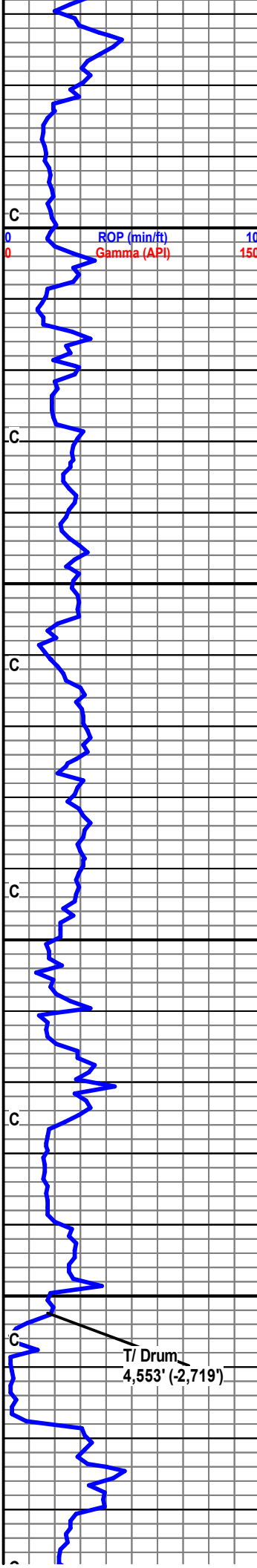
LS- OFF WHT-CRM, V/F XLN, MOD  
FRM, SM SLI ARGL I.P., SM SLI  
FOSS, W/ TR-PR INTR-XLN POR,  
W/ DULL YEL MIN FLU, NO VIS CUT



TG, C1-C5

500

MUD CK @ 4,370'  
WT. 9.2  
V. 59  
PV 14  
YP 22  
Gels 10/21  
pH 10  
WL 11.2



W/ DULL YEL MIN FLU, NO VIS CUT OR STN, NO ODOR

LS- OFF WHT-CRM, V/F XLN, MOD FRM, SM SLI ARGL, W/ PR INTR-XLN POR, W/ DULL YEL MIN FLU, NO VIS CUT OR STN, NO ODOR, W/ SM LT GY-MED GY, V/F TXT, MOD FRM SLI CALC SH

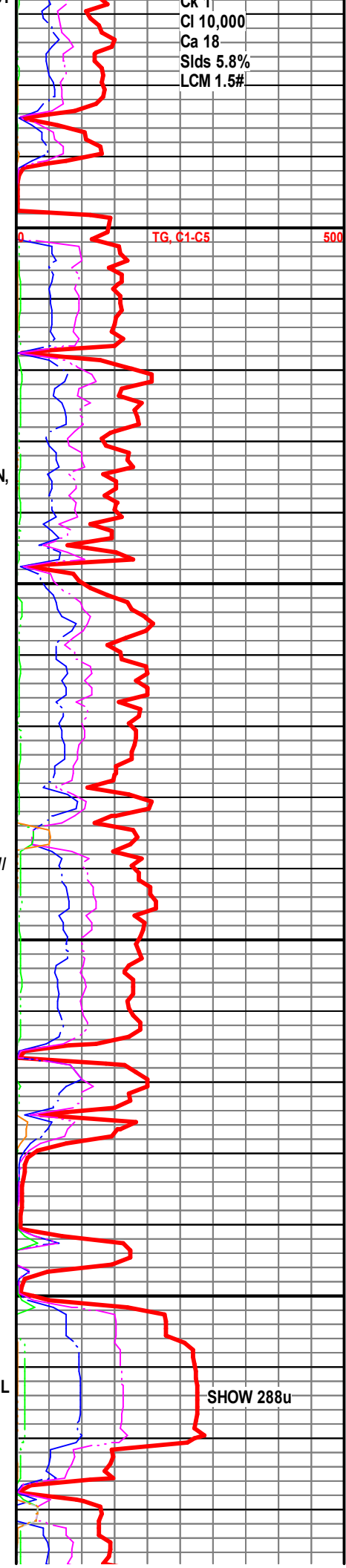
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LS- AAB

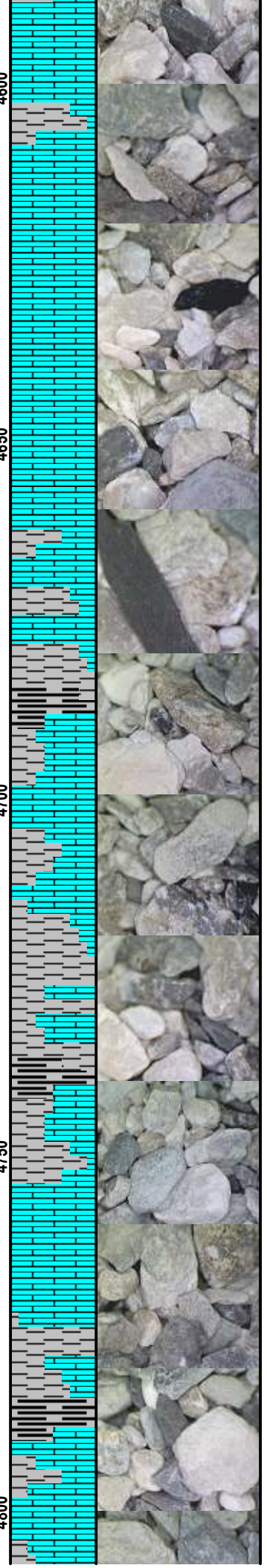
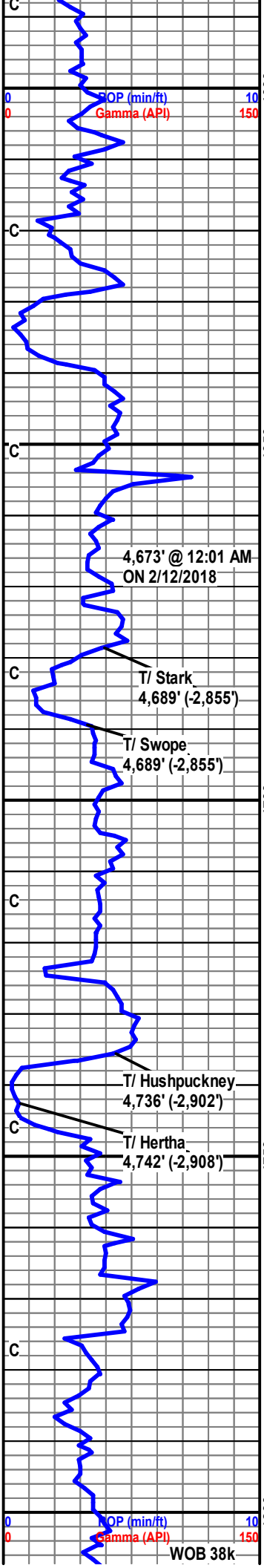
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LS- OFF WHT-CRM, V/F-MICRO-XLN, MOD FRM-FRM, SM SLI ARGL I.P., TR INTR-XLN POR, W/ DULL YEL MIN FLU, NO VIS CUT OR STN, NO ODOR

LS- OFF WHT-CRM, V/F-F XLN, MOD FRM, SM SLI FOSS W/ TR CRINS I.B., W/ FR INTR-XLN POR, W/ PP VUG POR, W/ MOD BRT YEL FLU, V/ SLI CRUSH CUT, NO VIS STN, NO ODOR



CR 1  
Cl 10,000  
Ca 18  
Slds 5.8%  
LCM 1.5#



LS- OFF WHT-CRM, V/F XLN, MOD FRM-FRM, SM SLI ARLG I.P., NOP VIS POR, W/ DULL YEL MIN FLU, NO VIS CUT OR STN, NO ODOR

LS- AAB

LS- OFF WHT-CRM, V/F-MICRO-XLN, S/CHLKY, SM SLI ARLG I.P., W/ PR INTR-XLN POR, NO VIS FLU, NO VIS CUT OR STN, NO ODOR

LS- TN-BUFF-LT BRN, V/F-F XLN, MOD FRM-FRM, SM SLI ARLG I.P., TR-PR INTR-XLN POR, W/ DULL YEL MIN FLU, NO VIS CUT OR STN, NO ODOR

SH- DK GY, V/F TXT, MOD FRM, SPNTY, SLI CALC, CARB

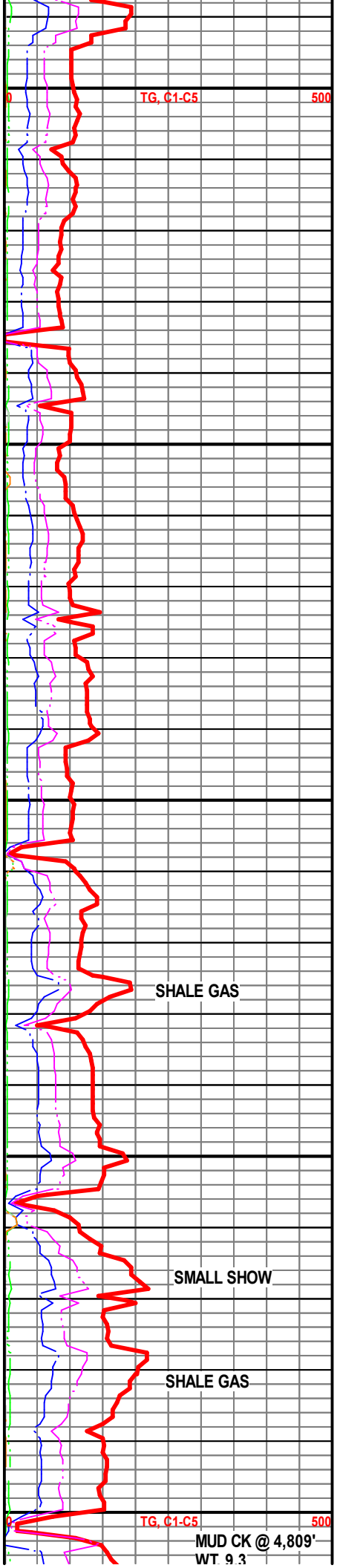
LS- OFF WHT-CRM, V/F XLN, MOD FRM, W/ PR INTR-XLN POR, W/ ABDT PP VUG POR, W/ DULL YEL MIN FLU, NO VIS CUT OR STN, NO ODOR

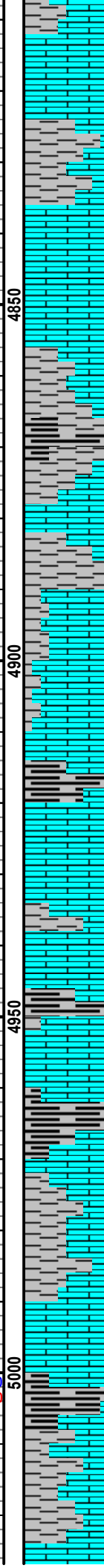
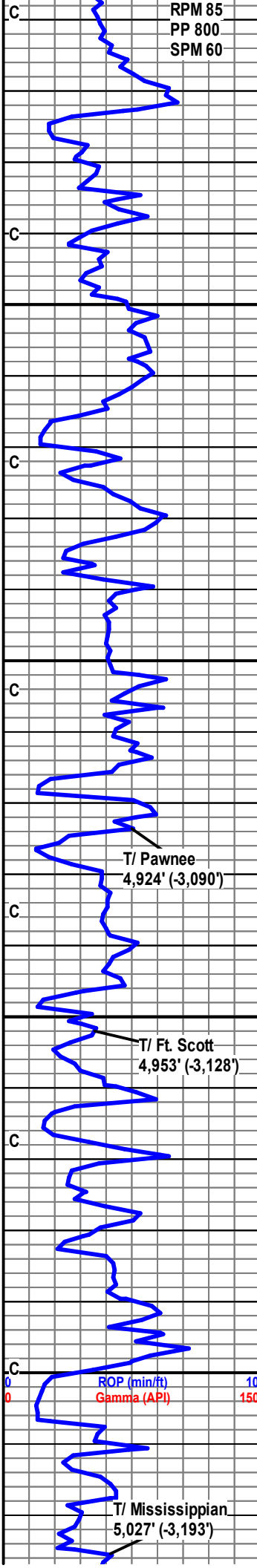
SH- BLK, V/F TXT, MOD FRM,, SPLNTY-BLKY, SM SLI CALC I.P., SLI CARB

LS- OFF WHT-CRM, V/F XLN, MOD FRM-FRM, SM SLI ARLG I.P., SM DNS, W/ FOSS I.B., W/ PR INTR-XLN POR, W/ DULL YEL MIN FLU, NO VIS CUT OR STN, NO ODOR

SH- MED GY-DK GY-BLK, V/F TXT, MOD FRM, PLTY-BLKY, SM SLI CALC I.P., SM CARB

LS- OFF WHT-CRM, V/F-F XLN, MOD FRM-FRM PRFD DNS BRTTI





MOD FRM-FRM, PRED DNS, BRTTL, W/ TR SHRP WHT CHRT I.B., W/ PR INTR-XLN POR, W/ DULL YEL MIN FLU, NO VIS CUT OR STN, NO ODOR

SH- MED GY-DK GY, F TXT, MOD FRM, PLTY-BLKY, SLI CALC I.P., FNLY MICA

LS- LT BRN-BRN, F XLN, MOD FRM-FRM, PRED DNS, BRTTL, W/ PR INTR-XLN POR, NO VIS FLU, NO VIS CUT OR STN, NO ODOR

SH- MED GY-DK GY, F TXT, SFT-MOD FRM, SPLNTY-BLKY, SLI CALC, FNLY MICA, CARB

LS- OFF WHT-CRM, V/F XLN, MOD FRM, PRED DNS, W/ TR CRINS I.B., W/ PR INTR-XLN POR, NO VIS FLU, NO VIS CUT OR STN, NO ODOR

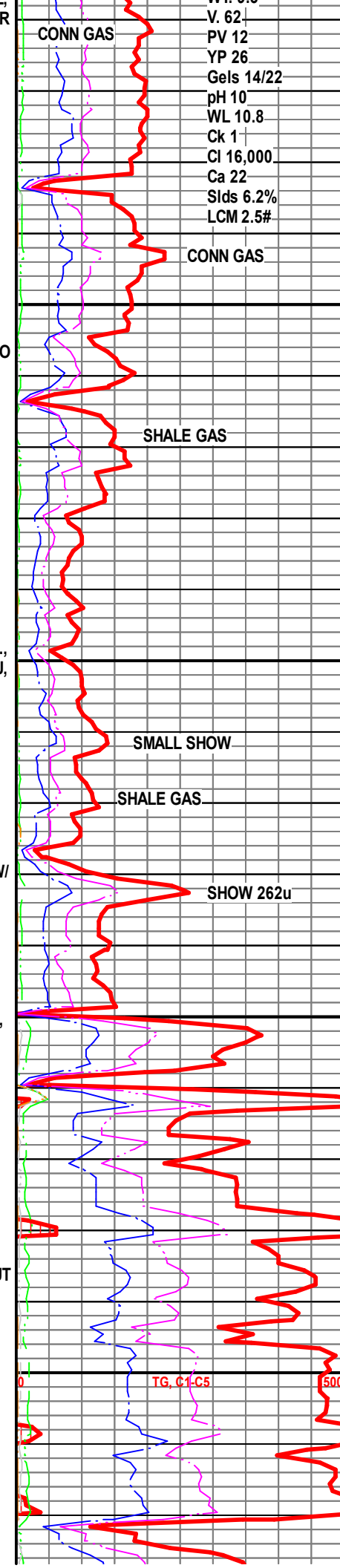
LS- WHT-OFF WHT, V/F XLN, S/CHLKY, W/ TR INTR-XLN POR, W/ SCTTRD DULL YEL MIN FLU, NO VIS CUT OR STN, NO ODOR

LS- CRM-TN, V/F-F XLN, MOD FRM, W/ ABDT PP VUG POR, W/ TR INTR-XLN POR, W/ DULL YEL MIN FLU, NO VIS CUT OR STN, NO ODOR

LS- OFF WHT-CRM, V/F XLN, MOD FRM, SLI ARGL I.P., CHTY, W/ SM PP VUG POR, TR INTR-XLN POR, W/ DULL YEL MIN FLU, NO VIS CUT OR STN, NO ODOR

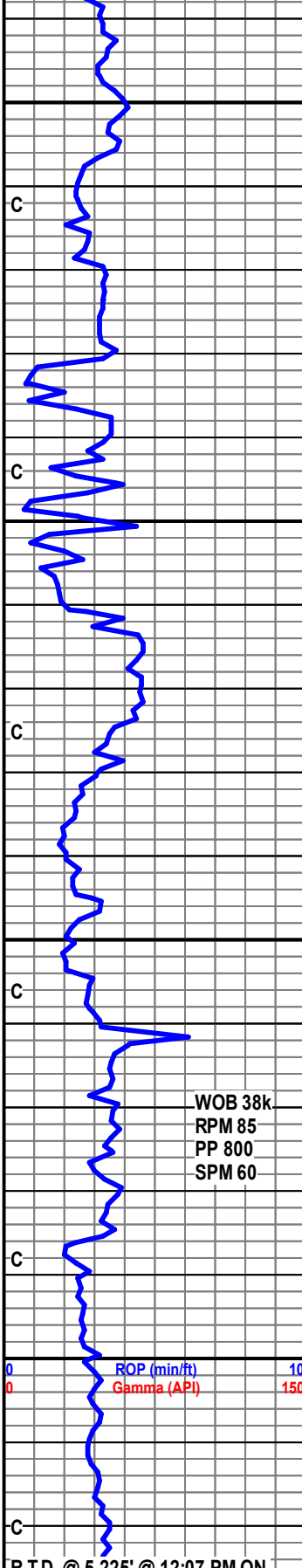
SH- BLK, F TXTXM BLKY, SLI CALC, FNLY MICA, CARB

LS- TN-BUFF, V/F XLN, MOD FRM-FRM, PRED DNS, BRTTL, W/



V. 62  
PV 12  
YP 26  
Gels 14/22  
pH 10  
WL 10.8  
Ck 1  
Cl 16,000  
Ca 22  
Slids 6.2%  
LCM 2.5#

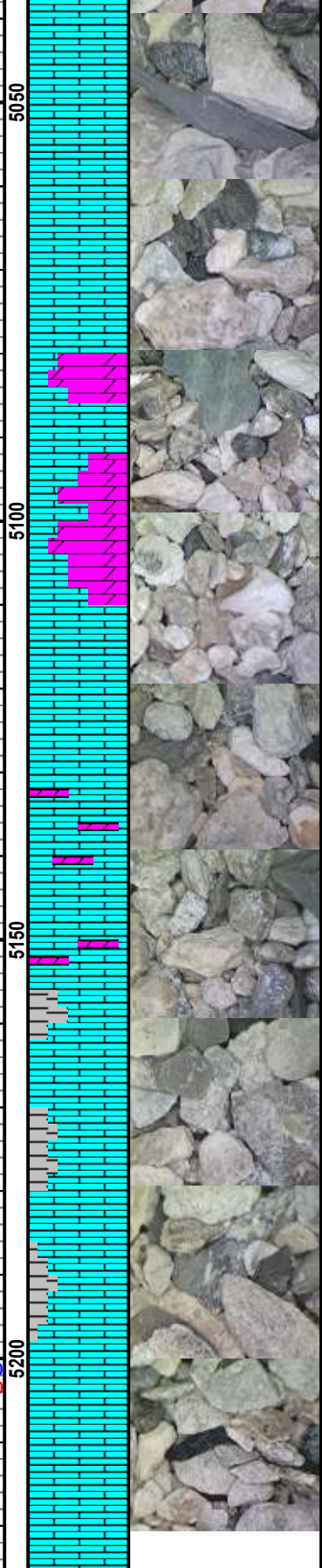
5,029' @ 12:01 AM  
ON 2/13/2018



WOB 38k  
RPM 85  
PP 800  
SPM 60

ROP (min/ft) 10  
Gamma (API) 150

R.T.D. @ 5,225' @ 12:07 PM ON  
2/13/2018



SM TR INTR-XLN POR, SM SLI DOLOMIC I.P., W/ TR INTR-XLN POR, W/ DULL TO MOD BRT YEL MIN FLU, NO VIS CUT OR STN, NO ODOR

LS- OFF WHT, V/F-MICRO-XLN, MOD FRM-FRM, PRED DNS, BRTTL, W/ TR-PR INTR-XLN POR, W/ DULL YEL MIN FLU, NO VIS CUT OR STN, NO ODOR

DOLO- CRM-TN, V/F=XLN, MOD FRM, SUC TXT, SLI ARGL, SM SLI SLTY I.P., W/ SPTD YEL FLU, W/ SLI STRMNG CUT, ABDT RESID MIN FLU, NO ODOR, NO VIS STN

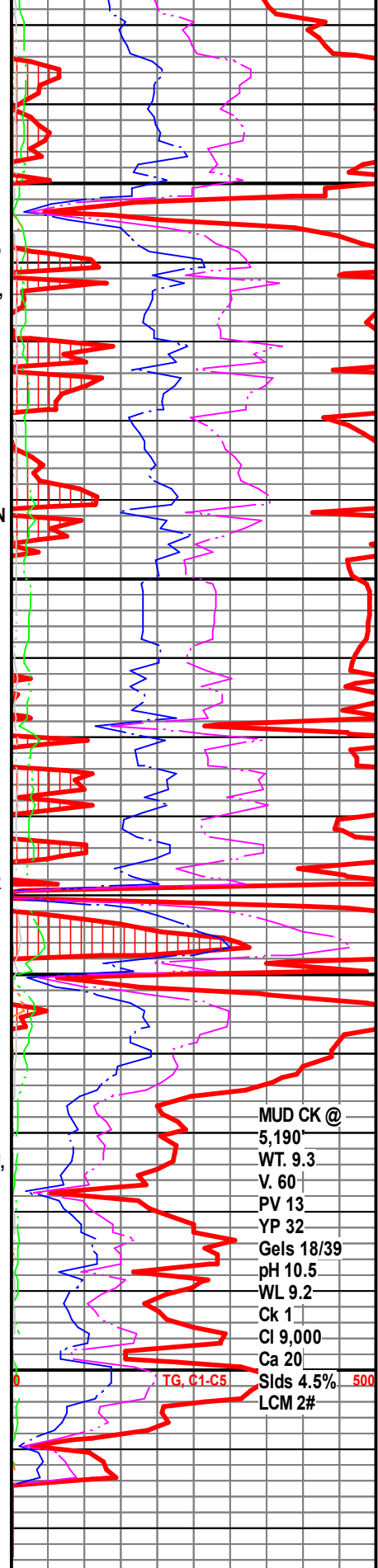
LS- CRM-TN, V/F XLN, MOD FRM-FRM, SM SLI CHRTY, PRED DNS, BRTTL, W/ TR INTR-XLN, POR, W/ V DULL YEL MIN FLU, NO VIS CUT OR STN, NO ODOR

LS- OFF WHT-CRM, V/F XLN, MOD FRM-FRM, SLI ARGL I.P., DOLOMIC, SM SLI SUC TXT, W/ TR INTR-XLN POR, W/ VEINOUS BRT YEL FLU, W/ FR STRMNG CUT NO VIS STN, NO ODOR

LS- WHT-OFF WHT, V/F XLN, MOD FRM-FRM, PRED DNS, CHRTY, W/ ABDT SHRP WHT CHRT I.B., NO VIS POR, W/ V/ DULL YEL MIN FLU, NO VIS CUT OR STN, NO ODOR

LS- OFF WHT-CRM, V/F-F XLN, MOD FRM, SM SLI ARGL I.P., W/ ABDT FREE WHT-MOTT, SHRP CHRT, W/ V/ DULL YEL MIN FLU, NO VIS CUT OR STN, NO ODOR

Thank you for choosing  
GeoDynamic Well Logging, Inc.



MUD CK @  
5,190'  
WT. 9.3  
V. 60  
PV 13  
YP 32  
Gels 18/39  
pH 10.5  
WL 9.2  
Ck 1  
Cl 9,000  
Ca 20  
Slids 4.5% 500  
LCM 2#





Liberal Yard #1717 - Phone 620-624-2277 - 1700 S. Country Estates Road, Liberal KS 67901

**PRESSURE PUMPING Job Log**

Customer:	Everglow Energy LLC	Cement Pump No.:	38119-19570 6 HRS	Operator TRK No.:	96815
Address:	6908 NW 112th Street	Ticket #:	1718-15592 L	Bulk TRK No.:	30464-37725
City, State, Zip:	Oklahoma City Ok, 73162	Job Type:	Z42 - Cement Surface Casing		
Service District:		Well Type:	OIL		
Well Name and No.:	Warren i-25	Well Location:	25,33,17	County:	Comanche
				State:	Ks

Type of Cmt	Sacks	Additives	Truck Loaded On	
A SERV LITE	160	3%CaCl, 1/4#POLYFLAKE	30464-37725	Front Back
60/40 POZ	100	3%CaCl, 1/4#POLYFLAKE		Front Back
				Front Back

Lead/Tail:	Weight #1 Gal.	Cu/Ft/sk	Water Requirements	CU. FT.	Man Hours / Personnel
<b>Lead:</b>	13	1.77	9.19	283.2	Man Hours: 40
<b>Tail:</b>	14.8	1.21	5.18	121	# of Men on Job: 3

Time (am/pm)	(BPM)	Volume (BBLs)	Pumps		Pressure (PSI)		Description of Operation and materials
			T	C	Tubing	Casing	
1:00							ON LOCATION, SAFTEY MTG, R.U.
5:03	5	50.5				150	START MIXING LEAD@ 13#
5:12 AM	2.3	21.5				20	ON TAIL @ 14.8#
5:26 AM	4.8					70	ON DISPLACEMENT, WASHUP
5:37 AM	1.7	36				90	SLOW RATE
5:43		46				80	SHUT DOWN, SHUT IN WELL
5:43							RELEASE PSI, R.D.
6:00 AM							JOB COMPLETE
							THANK YOU FOR YOUR BUSINESS!!!

Size Hole	17 1/2	Depth				TYPE	
Size & Wt. Csg.	13 3/8	Depth	315.83	New / Used	8' 85/8	Packer	Depth
tbg.		Depth				Retainer	Depth
Top Plugs		Type				Perfs	CIBP

Customer Signature:	Basic Representative:	CHAD HINZ
	Basic Signature:	
	Date of Service:	2/3/2018



T T M H: 35

**BASIC**  
ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61  
P.O. Box 8613  
Pratt, Kansas 67124  
Phone 620-672-1201

FIELD SERVICE TICKET  
1718 10104 A

25-335-17W

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

DATE OF JOB <b>2/17/2015</b> DISTRICT <b>Pratt, KS</b>		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:							
CUSTOMER <b>Everflow Energy LLC</b>		LEASE <b>Warren</b> WELL NO. <b>1-25</b>							
ADDRESS		COUNTY <b>Comanche</b> STATE <b>KS</b>							
CITY STATE		SERVICE CREW <b>Darrin, Ed, Trevino</b>							
AUTHORIZED BY		JOB TYPE: <b>242/5 1/2 Longstring</b>							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
<b>19843</b>	<b>1 1/2</b>						<b>2/16</b>	<b>AM</b>	<b>5:00</b>
<b>19862</b>	<b>1/2</b>						<b>2/16</b>	<b>AM</b>	<b>8:30</b>
							<b>2/17</b>	<b>AM</b>	<b>5:00</b>
							<b>2/17</b>	<b>AM</b>	<b>6:30</b>
							<b>2/17</b>	<b>AM</b>	<b>7:30</b>
						MILES FROM STATION TO WELL	<b>79</b>		

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: *[Signature]*  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT	
CP105	AA2 Cement	SK	150		2,550 00	
CP103	60/40 Poz	SK	65		780 00	
CC102	Cellofiske	Lb	53		196 10	
CC111	591+	Lb	754		377 00	
CC112	Cement Friction Reducer	Lb	43		258 60	
CC148	C-17	Lb	43		860 00	
CC201	Gilsonite	Lb	751		503 17	
CC200	Cement Gel	Lb	110		27 50	
CF1251	Auto Fill Fbr + Shoe 5 1/2" (Blue)	Eg	1		360 00	
CF607	Lg + cn Down Plug & Bottle, 5 1/2" (Blue)	Eg	1		400 00	
CF1901	5 1/2 Bgsks (Blue)	Eg	3		870 00	
CF1651	Turbolizer, 5 1/2 (Blue)	Eg	8		880 00	
C704	Clymax KCL Substitute	Gal	5026		210 00	
E100	unit mileage Charge - Pickups, small usns & csrs	mi	70		315 00	
E101	Heavy Equipment + Mileage	mi	140		1,050 00	
E113	Proppant 92 Bulk Delivery charges, perc ton	ton	686		1,715 60	
CE206	Depth Charge, 5,001' - 6,000'	4hr	1		2,880 00	
CE240	Blending & mixing Service Charge	SK	215		301 00	
CE504	Plug Conductor Utilization Service Charge	Job	1		250 00	
S003	Service Supervisor, First & his onloc	ES	1		175 00	
					SUB-TOTAL	14,957 77

CHEMICAL / ACID DATA:

SERVICE & EQUIPMENT %TAX ON \$  
MATERIALS %TAX ON \$

Discounted TOTAL 7,478 89

SERVICE REPRESENTATIVE *[Signature]*

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *[Signature]*

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

TTMH 53

# BASIC

energy services, L.P.

## TREATMENT REPORT

Customer <b>Everlow Energy LLC</b>	Lease No.	Date <b>2/17/2018</b>
Lease <b>Warren</b>	Well # <b>1-25</b>	
Field Order # <b>16184</b>	Station <b>Pratt, KS</b>	Casing <b>5 1/2</b>
		Depth <b>5212</b>
Type Job <b>242/5 1/2 Long string</b>	Formation <b>TD-5270</b>	County <b>Comanche</b>
		State <b>KS</b>
		Legal Description <b>25-33s-17w</b>

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size <b>5 1/2</b>	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth <b>5212</b>	Depth	From	To	Pre Pad	Max		5 Min.
Volume <b>124</b>	Volume	From	To	Pad	Min		10 Min.
Max Press	Max Press	From	To	Frac	Avg		15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth <b>5178</b>	Packer Depth	From	To	Flush <b>KCL Water</b>	Gas Volume		Total Load

Customer Representative <b>Rick Popp</b>	Station Manager <b>Justin Westerman</b>	Treater <b>Darin Franklin</b>
Service Units <b>92911 84981 19843 70959 19862</b>		
Driver Names <b>Darin Ed Ed Trevino Trevino</b>		

Time	Casing Pressure	Tubing Pressure	Bbbs. Pumped	Rate	Service Log
<b>2/16</b>					
<b>8:30pm</b>					<b>ON LOCATION / Safety meeting</b>
					<b>T-1,2,3,4,5,6,7,8, B-1,2,3</b>
					<b>150 SK AP2 Cement, 5% Gypsum, 0.25pps</b>
					<b>Cellof 19ke, 0.3% Friction reducer, 10%</b>
					<b>39lt, 0.3% Fluid loss, 5pps gilsonite</b>
					<b>15.0pps, 1.42 Veild, 6.03 water</b>
<b>2/17</b>					<b>Pipe on bottom &amp; break Circulation</b>
					<b>Pump 3 bbbs water</b>
<b>5:00pm</b>	<b>400</b>		<b>9</b>	<b>5</b>	<b>mix 35 SK Scavenger Cement</b>
	<b>400</b>		<b>38</b>	<b>5</b>	<b>mix 150 SK AP2 Cement</b>
					<b>Shut down</b>
					<b>Wash pump &amp; lines &amp; Release Plug</b>
	<b>100</b>		<b>0</b>	<b>5</b>	<b>Start displacement</b>
	<b>600</b>		<b>90</b>	<b>5</b>	<b>Lift Pressure</b>
	<b>1,000</b>		<b>113</b>	<b>3</b>	<b>Slow Rate</b>
<b>6:10pm</b>	<b>1,500</b>		<b>123</b>	<b>3</b>	<b>Bump Plug</b>
					<b>Flow - Held</b>
	<b>500</b>		<b>7</b>	<b>3</b>	<b>Plug Rest hole</b>
<b>6:30pm</b>					<b>Job Complete / Degrind crew</b>
					<b>Thank you!!</b>

Big Bucket's Rathole Drilling, Inc.

P. O. Box 5252  
 Enid, OK 73702  
 Office 580-233-9850  
 Fax 580-233-4588

# INVOICE

DATE	INVOICE NO.
2/5/2018	7023

BILL TO
Everglow Energy, LLC 6908 N.W. 112th Street Oklahoma City, OK 73162

WELLNAME		RIG	COUNTY	LEGAL	LEGAL	
Warren #1-25		WW Drlg. #2	Comanche,...	NW/4	Sec25-33S-17W	
DATE	W. TKT	DESCRIPTION		QTY	RATE	AMOUNT
2/1/2018	5944	Drilled 61' of 30" hole and 7' of 60" cellar			8,100.00	8,100.00
		Bobcat to remove dirt			0.00	0.00
		Furnished 20" conductor pipe		61	0.00	0.00
		Furnished grout: 6.5 yards of 8 sack grout 2%CC			0.00	0.00
		60" steel cellar form		7	0.00	0.00
		Furnished welder & materials			0.00	0.00
		trip permit (2 trucks)			0.00	0.00
		Furnished mud truck with drilling mud and disposal-billed directly to company			0.00	0.00
		STATE TAX			4.50%	0.00
BIG100 111325 109						
					<b>RECEIVED</b>	
					<b>FEB 09 2018</b>	
We appreciate your business!				<b>Total</b>		\$8,100.00