

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

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
--	---

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) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
---	--	------------------------------------

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:	
----------------	-------	---------	------------	--

Form	ACO1 - Well Completion
Operator	Bickle Energies LLC
Well Name	SHALLOW RIVER 1A
Doc ID	1316535

All Electric Logs Run

CNL-CDL
Dual Induction
Micro Resistivity
Sonic

Form	ACO1 - Well Completion
Operator	Bickle Energies LLC
Well Name	SHALLOW RIVER 1A
Doc ID	1316535

Tops

Name	Top	Datum
Anhydrite Top	2575	518
Anhydrite Base	2598	495
Heebner	4009	-916
Lansing	4053	-960
Stark Shale	4284	-1191
BKC	4366	-1273
Cherokee Shale	4528	-1435
"Johnson" Zone	4603	-1510
Mississippian	4660	-1567



DRILL STEM TEST REPORT

Prepared For: **Bickle Energies, LLC**

PO Box 816
Hays, KS 67601

ATTN: Eli Felts

Shallow River #1A

26-12s-33w Logan,KS

Start Date: 2016.08.29 @ 16:24:00

End Date: 2016.08.30 @ 00:32:30

Job Ticket #: 65553 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2016.09.06 @ 13:42:50



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Bickle Energies, LLC

26-12s-33w Logan,KS

PO Box 816
Hays, KS 67601

Shallow River #1A

ATTN: Eli Felts

Job Ticket: 65553

DST#: 1

Test Start: 2016.08.29 @ 16:24:00

GENERAL INFORMATION:

Formation: **LKC "J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:51:30

Time Test Ended: 00:32:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 78

Interval: 4262.00 ft (KB) To 4288.00 ft (KB) (TVD)

Reference Elevations: 3093.00 ft (KB)

Total Depth: 4288.00 ft (KB) (TVD)

3081.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 12.00 ft

Serial #: 8365

Inside

Press@RunDepth: 20.88 psig @ 4263.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.08.29

End Date:

2016.08.30

Last Calib.:

2016.08.30

Start Time: 16:24:05

End Time:

00:32:29

Time On Btm:

2016.08.29 @ 19:51:15

Time Off Btm:

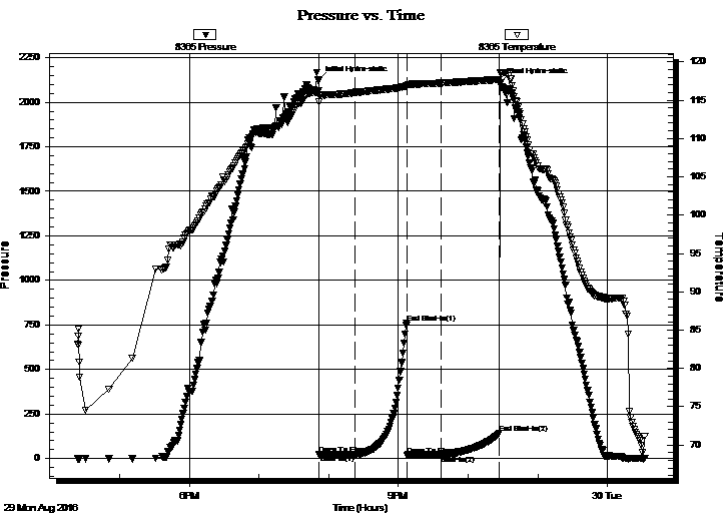
2016.08.29 @ 22:27:45

TEST COMMENT: IF: Surface blow, died @ 17 minutes

IS: No return.

FF: No blow.

FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2124.48	116.27	Initial Hydro-static
1	21.84	114.76	Open To Flow (1)
32	21.65	115.99	Shut-In(1)
76	759.49	116.83	End Shut-In(1)
77	20.30	116.89	Open To Flow (2)
106	20.88	117.23	Shut-In(2)
156	141.86	117.68	End Shut-In(2)
157	2108.50	118.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud 100m (Oil spots)	0.21
0.00	oil puddle on top	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bickle Energies, LLC

26-12s-33w Logan,KS

PO Box 816
Hays, KS 67601

Shallow River #1A

Job Ticket: 65553

DST#: 1

ATTN: Eli Felts

Test Start: 2016.08.29 @ 16:24:00

Tool Information

Drill Pipe:	Length: 4250.00 ft	Diameter: 3.80 inches	Volume: 59.62 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 59.62 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	4262.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	53.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4236.00	
Shut In Tool	5.00			4241.00	
Hydraulic tool	5.00			4246.00	
Jars	5.00			4251.00	
Safety Joint	2.00			4253.00	
Packer	5.00			4258.00	27.00 Bottom Of Top Packer
Packer	4.00			4262.00	
Stubb	1.00			4263.00	
Recorder	0.00	8365	Inside	4263.00	
Recorder	0.00	8845	Outside	4263.00	
Perforations	22.00			4285.00	
Bullnose	3.00			4288.00	26.00 Bottom Packers & Anchor

Total Tool Length: 53.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bickle Energies, LLC

26-12s-33w Logan,KS

PO Box 816
Hays, KS 67601

Shallow River #1A

Job Ticket: 65553

DST#: 1

ATTN: Eli Felts

Test Start: 2016.08.29 @ 16:24:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Mud 100m (Oil spots)	0.210
0.00	oil puddle on top	0.000

Total Length: 15.00 ft Total Volume: 0.210 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

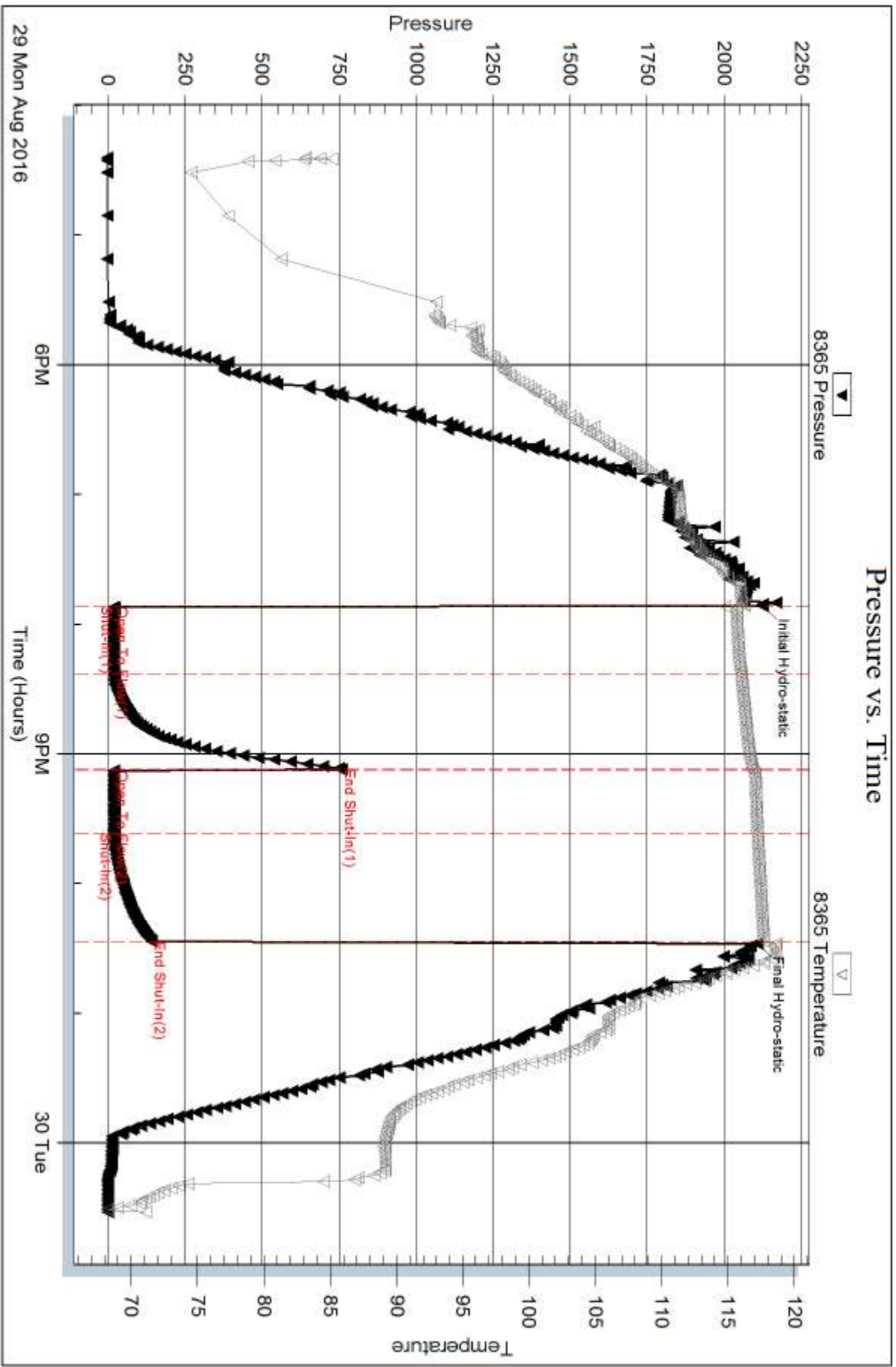
Serial #: 8365

Inside

Bickle Energies, LLC

Shallow River #1A

DST Test Number: 1

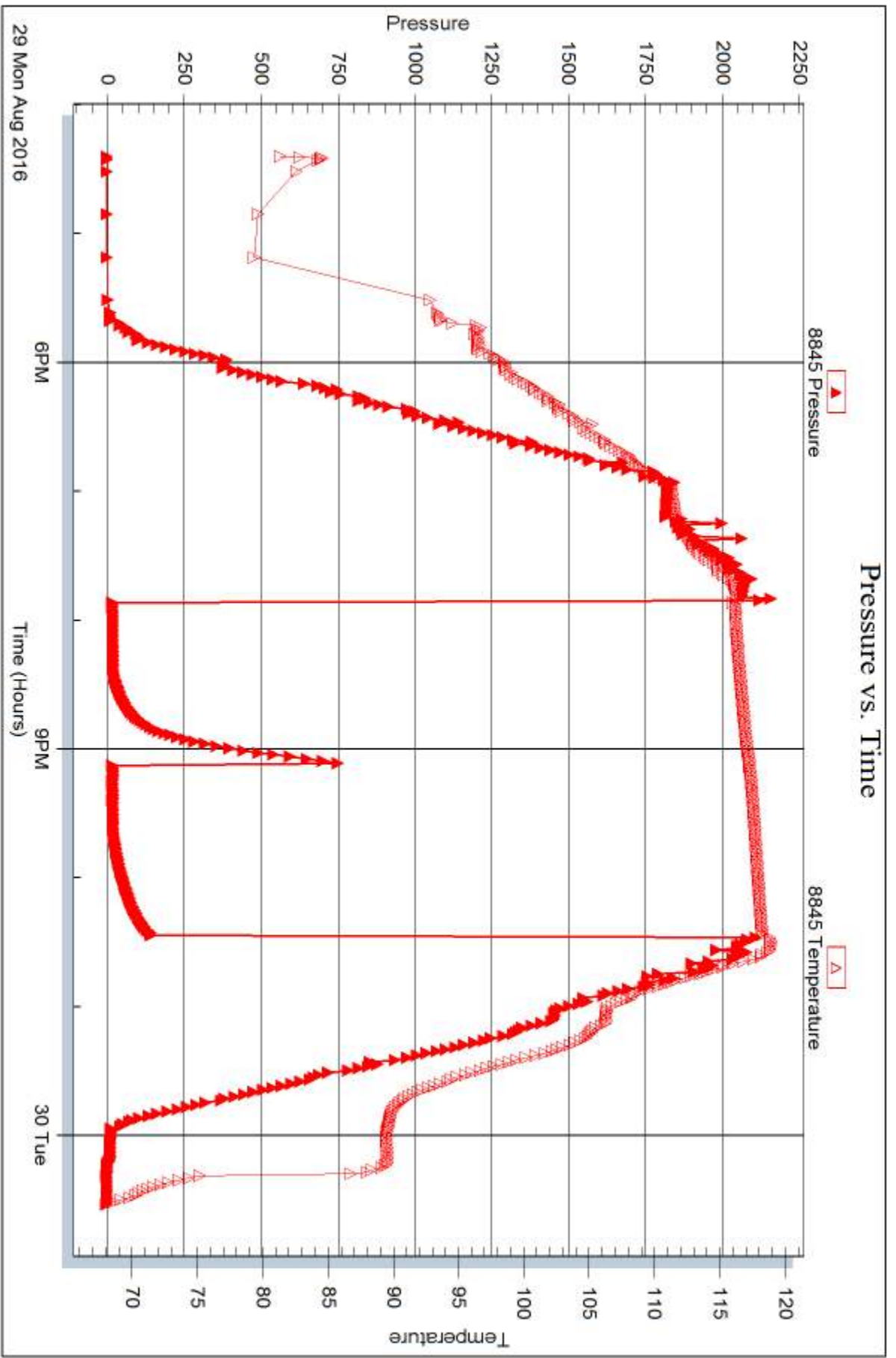


Serial #: 8845

Outside Bickie Energies, LLC

Shallow River #1A

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 65553

Printed: 2016.09.06 @ 13:42:51



DRILL STEM TEST REPORT

Prepared For: **Bickle Energies, LLC**

PO Box 816
Hays, KS 67601

ATTN: Eli Felts

Shallow River #1A

26-12s-33w Logan,KS

Start Date: 2016.08.31 @ 17:18:00

End Date: 2016.09.01 @ 01:28:00

Job Ticket #: 65554 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2016.09.06 @ 13:41:47



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Bickle Energies, LLC

26-12s-33w Logan,KS

PO Box 816
Hays, KS 67601

Shallow River #1A

ATTN: Eli Felts

Job Ticket: 65554

DST#: 2

Test Start: 2016.08.31 @ 17:18:00

GENERAL INFORMATION:

Formation: **Pawnee - Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:32:15

Time Test Ended: 01:28:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

Interval: 4470.00 ft (KB) To 4552.00 ft (KB) (TVD)

Reference Elevations: 3093.00 ft (KB)

Total Depth: 4552.00 ft (KB) (TVD)

3081.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 12.00 ft

Serial #: 8365

Inside

Press@RunDepth: 22.47 psig @ 4471.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.08.31

End Date:

2016.09.01

Last Calib.: 2016.09.01

Start Time: 17:18:05

End Time:

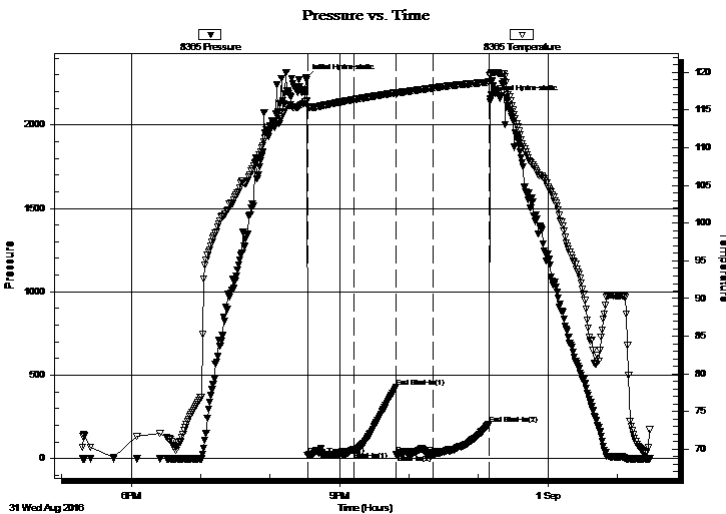
01:27:59

Time On Btm: 2016.08.31 @ 20:31:00

Time Off Btm: 2016.08.31 @ 23:10:15

TEST COMMENT: IF: Surface blow , died @ 10 min.
IS: No return.
FF: No blow , flushed tool no blow .
FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2279.65	116.17	Initial Hydro-static
2	20.74	115.44	Open To Flow (1)
42	44.19	116.39	Shut-In(1)
78	426.20	117.30	End Shut-In(1)
78	25.19	117.13	Open To Flow (2)
110	22.47	117.92	Shut-In(2)
158	204.52	118.71	End Shut-In(2)
160	2154.63	119.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100m oil spots in tool	0.07

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bickle Energies, LLC

26-12s-33w Logan,KS

PO Box 816
Hays, KS 67601

Shallow River #1A

Job Ticket: 65554

DST#: 2

ATTN: Eli Felts

Test Start: 2016.08.31 @ 17:18:00

Tool Information

Drill Pipe:	Length: 4470.00 ft	Diameter: 3.80 inches	Volume: 62.70 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 62.70 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	4470.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	82.00 ft			
Tool Length:	109.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

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

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4444.00	
Shut In Tool	5.00			4449.00	
Hydraulic tool	5.00			4454.00	
Jars	5.00			4459.00	
Safety Joint	2.00			4461.00	
Packer	5.00			4466.00	27.00 Bottom Of Top Packer
Packer	4.00			4470.00	
Stubb	1.00			4471.00	
Recorder	0.00	8365	Inside	4471.00	
Recorder	0.00	8845	Outside	4471.00	
Perforations	13.00			4484.00	
Change Over Sub	1.00			4485.00	
Drill Pipe	63.00			4548.00	
Change Over Sub	1.00			4549.00	
Bullnose	3.00			4552.00	82.00 Bottom Packers & Anchor

Total Tool Length: 109.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bickle Energies, LLC

26-12s-33w Logan,KS

PO Box 816
Hays, KS 67601

Shallow River #1A

Job Ticket: 65554

DST#: 2

ATTN: Eii Felts

Test Start: 2016.08.31 @ 17:18:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud 100m oil spots in tool	0.070

Total Length: 5.00 ft Total Volume: 0.070 bbl

Num Fluid Samples: 0

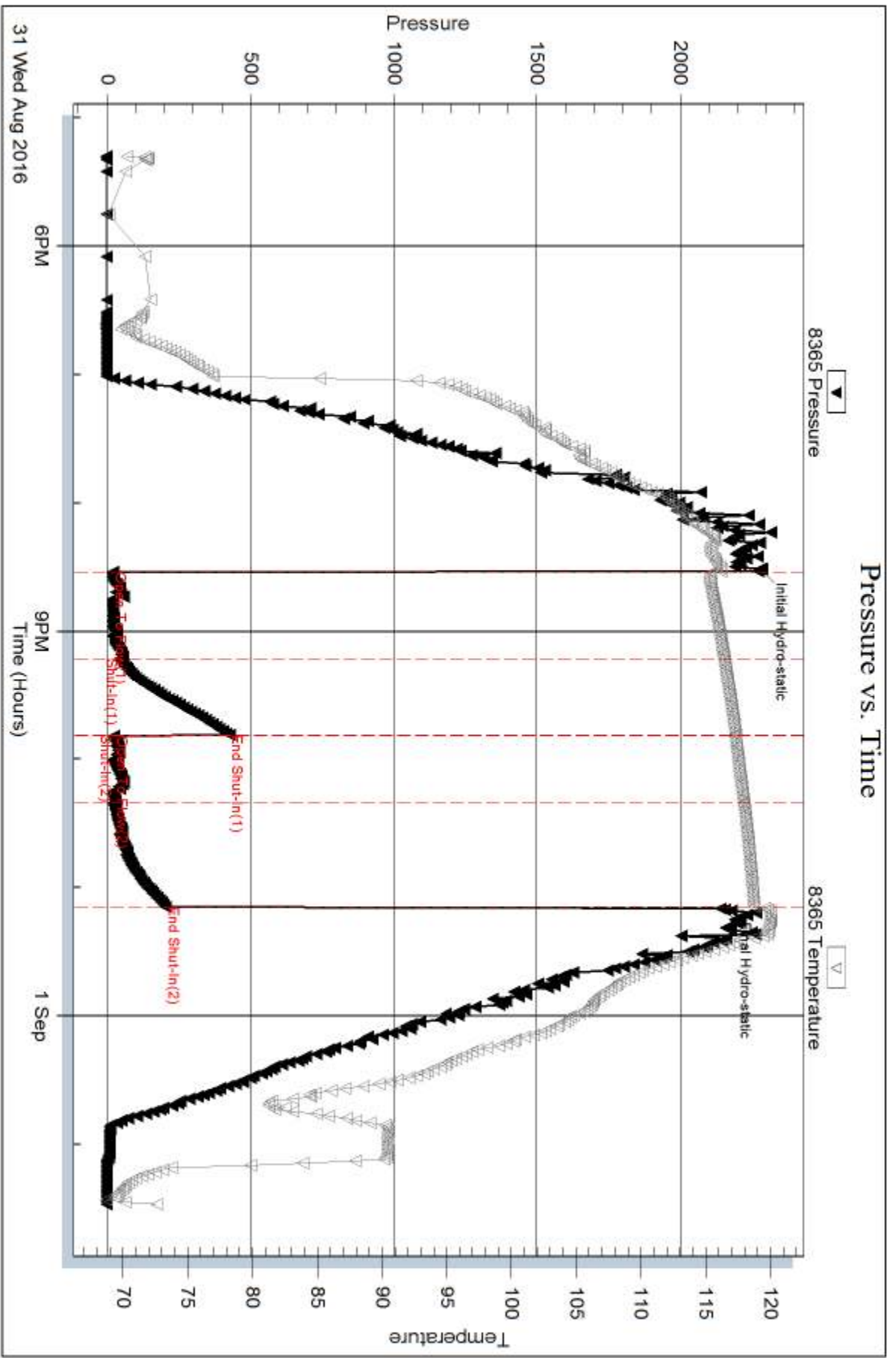
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

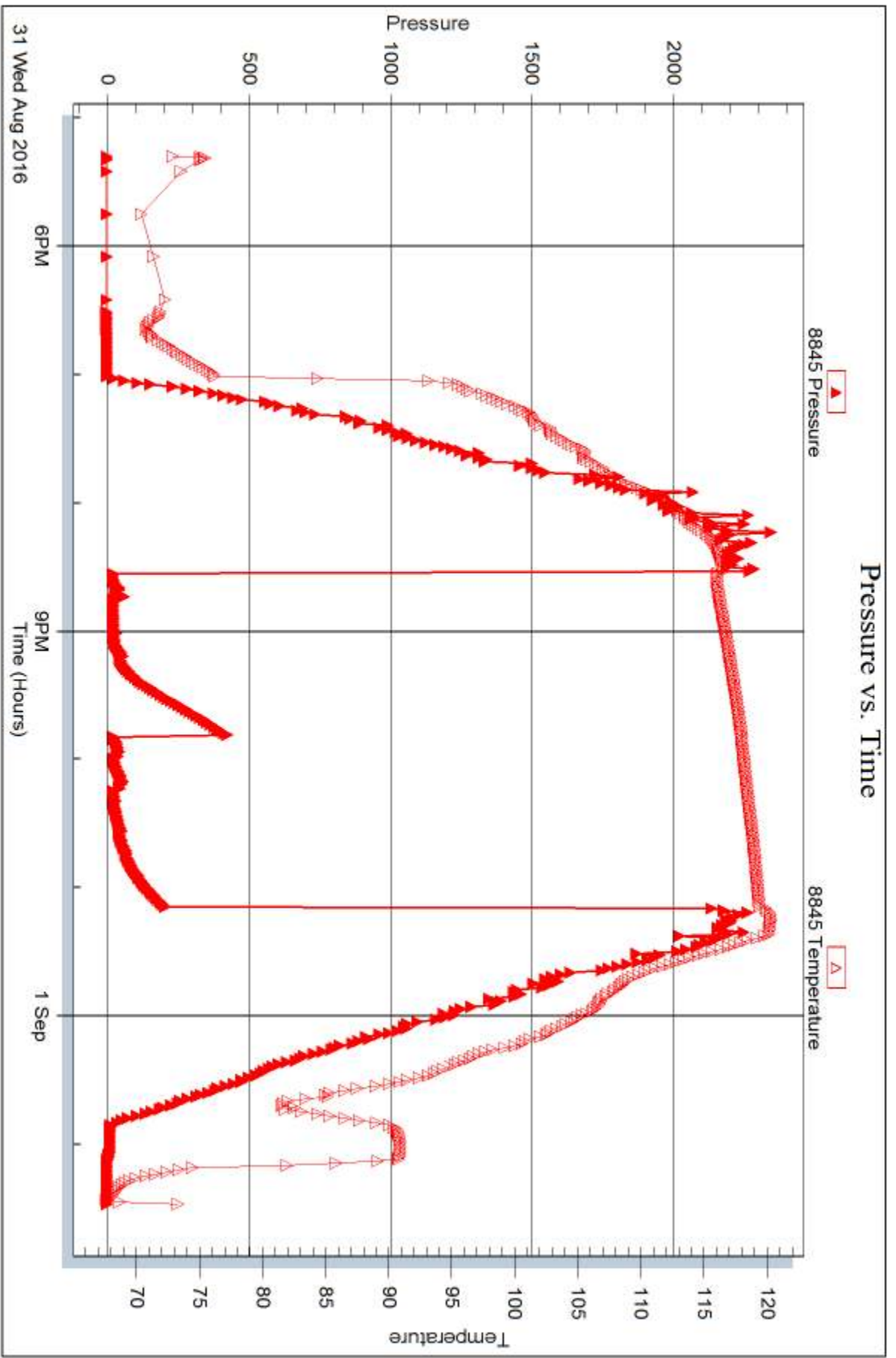


Serial #: 8845

Outside Bickie Energies, LLC

Shallow River #1A

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 65554

Printed: 2016.09.06 @ 13:41:49



DRILL STEM TEST REPORT

Prepared For: **Bickle Energies, LLC**

PO Box 816
Hays, KS 67601

ATTN: Eli Felts

Shallow River #1A

26-12s-33w Logan,KS

Start Date: 2016.09.01 @ 15:33:00

End Date: 2016.09.01 @ 22:55:15

Job Ticket #: 65555 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2016.09.06 @ 13:41:13



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Bickle Energies, LLC

26-12s-33w Logan,KS

PO Box 816
Hays, KS 67601

Shallow River #1A

Job Ticket: 65555

DST#: 3

ATTN: Eli Felts

Test Start: 2016.09.01 @ 15:33:00

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:46:15

Time Test Ended: 22:55:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

Interval: 4580.00 ft (KB) To 4636.00 ft (KB) (TVD)

Reference Elevations: 3093.00 ft (KB)

Total Depth: 4636.00 ft (KB) (TVD)

3081.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 12.00 ft

Serial #: 8365

Inside

Press@RunDepth: 33.11 psig @ 4581.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.09.01

End Date:

2016.09.01

Last Calib.:

2016.09.01

Start Time: 15:33:05

End Time:

22:55:14

Time On Btm:

2016.09.01 @ 17:45:45

Time Off Btm:

2016.09.01 @ 20:25:45

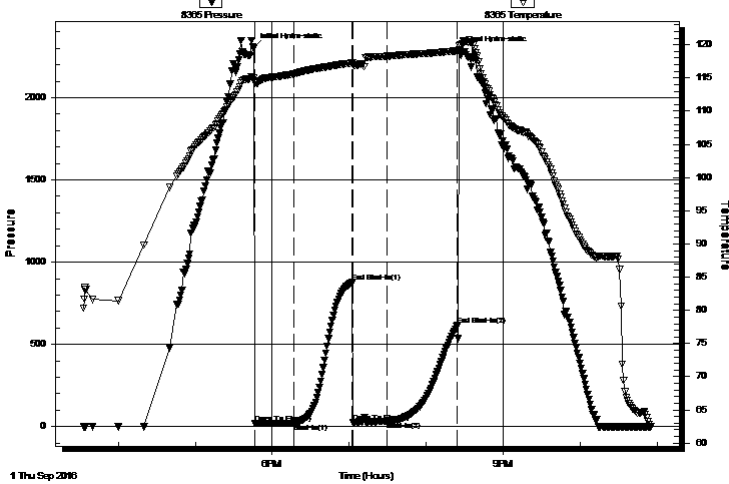
TEST COMMENT: IF: Surface blow .

IS: No return.

FF: No blow , Flushed tool. blow died

FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2302.72	114.96	Initial Hydro-static
1	18.46	114.32	Open To Flow (1)
31	21.88	115.57	Shut-In(1)
77	876.22	117.23	End Shut-In(1)
77	25.78	117.00	Open To Flow (2)
104	33.11	118.28	Shut-In(2)
159	614.41	119.10	End Shut-In(2)
160	2289.12	119.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
25.00	Mud 100m (Oil spots)	0.35

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bickle Energies, LLC

26-12s-33w Logan,KS

PO Box 816
Hays, KS 67601

Shallow River #1A

Job Ticket: 65555

DST#: 3

ATTN: Eli Felts

Test Start: 2016.09.01 @ 15:33:00

Tool Information

Drill Pipe:	Length: 4566.00 ft	Diameter: 3.80 inches	Volume: 64.05 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 64.05 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	4580.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	56.00 ft			
Tool Length:	83.00 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			4554.00	
Shut In Tool	5.00			4559.00	
Hydraulic tool	5.00			4564.00	
Jars	5.00			4569.00	
Safety Joint	2.00			4571.00	
Packer	5.00			4576.00	27.00 Bottom Of Top Packer
Packer	4.00			4580.00	
Stubb	1.00			4581.00	
Recorder	0.00	8365	Inside	4581.00	
Recorder	0.00	8845	Outside	4581.00	
Perforations	19.00			4600.00	
Change Over Sub	1.00			4601.00	
Drill Pipe	31.00			4632.00	
Change Over Sub	1.00			4633.00	
Bullnose	3.00			4636.00	56.00 Bottom Packers & Anchor

Total Tool Length: 83.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bickle Energies, LLC

26-12s-33w Logan,KS

PO Box 816
Hays, KS 67601

Shallow River #1A

Job Ticket: 65555

DST#: 3

ATTN: Eli Felts

Test Start: 2016.09.01 @ 15:33:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
25.00	Mud 100m (Oil spots)	0.351

Total Length: 25.00 ft Total Volume: 0.351 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

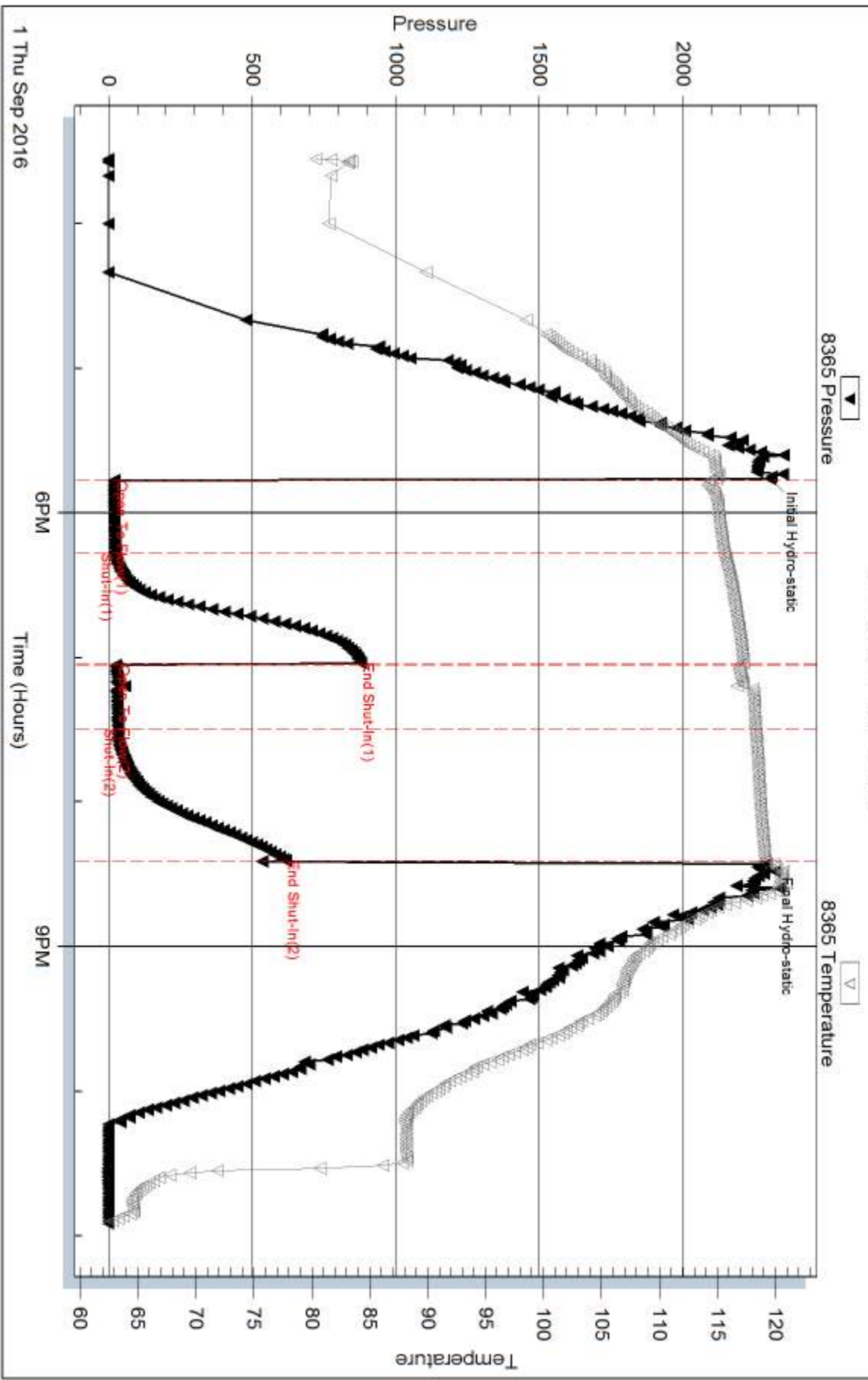
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

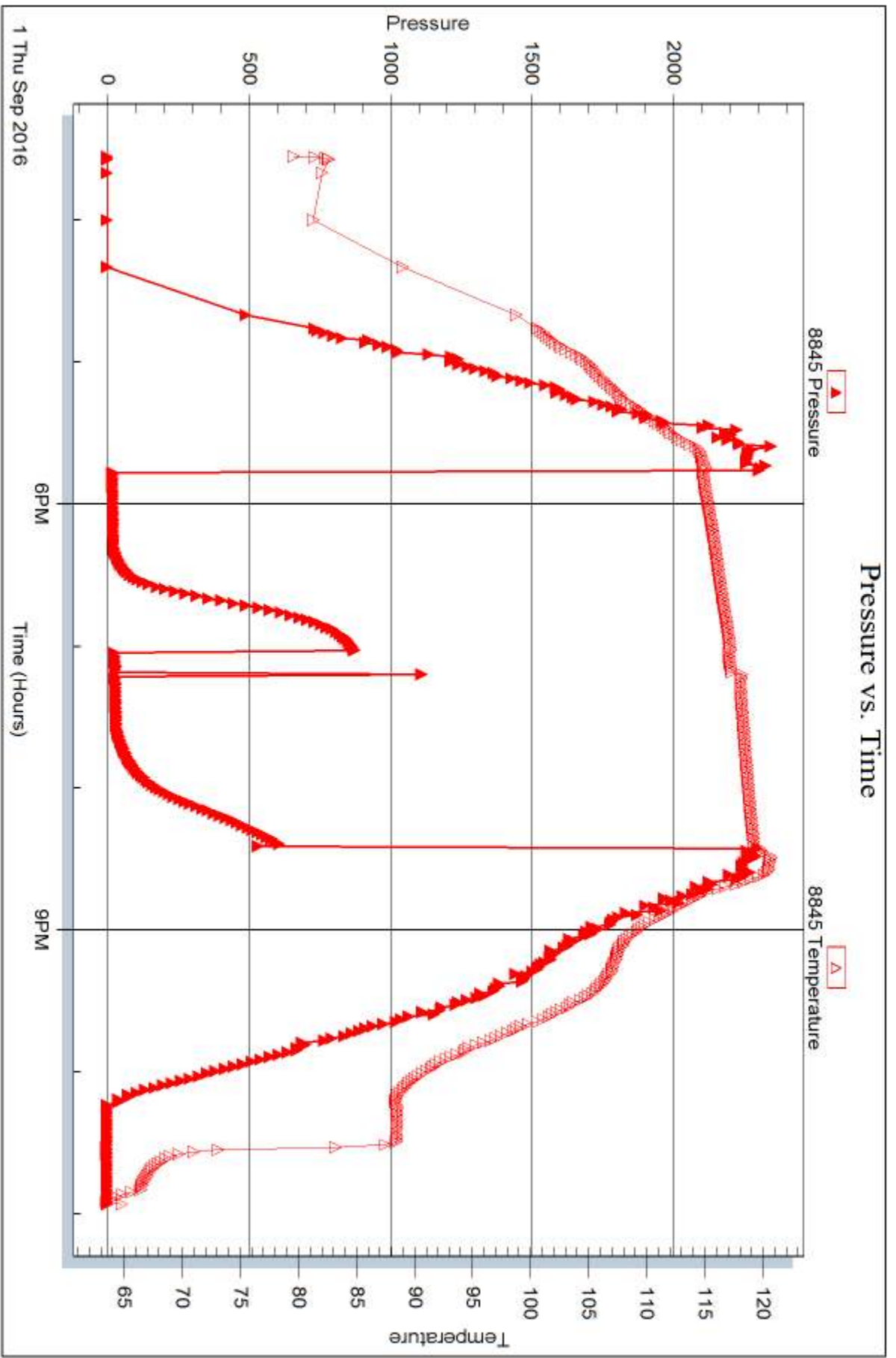


Serial #: 8845

Outside Bickie Energies, LLC

Shallow River #1A

DST Test Number: 3





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **65553**

Well Name & No. Shallow River 1A Test No. 1 Date 8/29/2016
 Company Buckle Energies, LLC Elevation 3093 KB 3081 GL
 Address PO Box 816 Hays KS 67601
 Co. Rep / Geo. ELI Felts Rig Southwind #1
 Location: Sec. 26 Twp. 12S Rge. 33W Co. Logan State Ks

Interval Tested 4262-4288 Zone Tested LKC J
 Anchor Length 26' Drill Pipe Run 4250 Mud Wt. 9.3
 Top Packer Depth 4257 Drill Collars Run 0 Vis 56
 Bottom Packer Depth 4262 Wt. Pipe Run 0 WL 80
 Total Depth 4288 Chlorides 2200 ppm System LCM 1#
 Blow Description IF Surface blow, died @ 17 min.
ISI No return
FF No blow
FSI No return

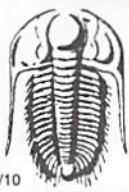
Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>Mud OIL spots</u>			<u>100</u>	
	<u>OIL Puddle outtop</u>				

Rec Total 15 BHT 118 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2124</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>1500</u>
(B) First Initial Flow <u>22</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1624</u>
(C) First Final Flow <u>22</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1952</u>
(D) Initial Shut-In <u>759</u>	<input checked="" type="checkbox"/> Circ Sub <u>1/2</u>	T-Pulled <u>2222</u>
(E) Second Initial Flow <u>20</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>0033 8/30</u>
(F) Second Final Flow <u>21</u>	<input type="checkbox"/> Mileage <u>89RT 66.75</u>	Comments
(G) Final Shut-In <u>142</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2109</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>45</u>	<input type="checkbox"/> Day Standby	Total <u>1541.75</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1541.75</u>	

Approved By _____ Our Representative [Signature]

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. **65554**

Well Name & No. Shallow River 1A Test No. 2 Date 8/31/16
 Company Buckle Energies, LLC Elevation 3093 KB 3081 GL
 Address PO Box 816 Hays Ks 67601
 Co. Rep / Geo. ELI Felts Rig Southwind 1
 Location: Sec. 26 Twp. 12s Rge. 3BW Co. Logan State Ks

Interval Tested 4470 - 4552 Zone Tested Pawnee - Cherokee
 Anchor Length 82' Drill Pipe Run 4470 Mud Wt. 9.3
 Top Packer Depth 4465 Drill Collars Run 0 Vis 55
 Bottom Packer Depth 4470 Wt. Pipe Run 0 WL 9.2
 Total Depth 4552 Chlorides 3500 ppm System LCM 1#
 Blow Description IF: Surface blow died @ 10 min.
ISI: No return.
FF: No blow Flashed fool no help.
FSI: No return.

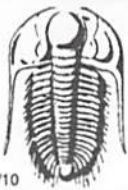
Rec	Feet of	%gas	%oil	%water	%mud
<u>S</u>	<u>MUD</u>			<u>100</u>	
	<u>OIL spots in tool</u>				
Rec Total <u>S</u>	BHT <u>119</u>	Gravity <u>—</u>	API RW <u>—</u>	@ <u>—</u> °F	Chlorides <u>—</u> ppm

(A) Initial Hydrostatic 2280 Test 1150 T-On Location 1530
 (B) First Initial Flow 21 Jars 250 T-Started 2033 1718
 (C) First Final Flow 44 Safety Joint 75 T-Open 2033
 (D) Initial Shut-In 426 Circ Sub NU T-Pulled 2303
 (E) Second Initial Flow 25 Hourly Standby _____ T-Out 0128 9/31
 (F) Second Final Flow 22 Mileage 89 66.75
 (G) Final Shut-In 205 Sampler _____
 (H) Final Hydrostatic 2155 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby Reg 1.5d 3h
 Accessibility _____
 Sub Total 1541.75

Ruined Shale Packer _____
 Ruined Packer 320
 Extra Copies _____
 Sub Total 100 + 320
 Total 1861.75
 MP/DST Disc't _____

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. **65555**

Well Name & No. Shallow River 1A Test No. 3 Date 9/01/2016
 Company Bickle Energies, LLC Elevation 3093 KB 3081 GL
 Address PO Box 816 Hays, Ks 67601
 Co. Rep / Geo. Eli Felts Rig Southwind 1
 Location: Sec. 26 Twp. 12 S Rge. 33 W Co. Logan State KS

Interval Tested 4580 - 4636 Zone Tested Johnson
 Anchor Length 56' Drill Pipe Run 4500 Mud Wt. 9.3
 Top Packer Depth 4575 Drill Collars Run 0 Vis 50
 Bottom Packer Depth 4580 Wt. Pipe Run 0 WL 9.2
 Total Depth 4636 Chlorides 2800 ppm System LCM 1#

Blow Description IF: Surface blow
ISJ: No return
FF: No blow Flushed tool blow check
FSJ: No return

Rec	Feet of	MUD	OIL SPOTS	%gas	%oil	%water	%mud
<u>25</u>						<u>100</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 25 BHT 119 Gravity — API RW — @ — F Chlorides — ppm

(A) Initial Hydrostatic <u>2302</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>1430</u>
(B) First Initial Flow <u>18</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1533</u>
(C) First Final Flow <u>22</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1743</u>
(D) Initial Shut-In <u>876</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>2015</u>
(E) Second Initial Flow <u>36</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>2255</u>
(F) Second Final Flow <u>33</u>	<input checked="" type="checkbox"/> Mileage <u>89 x 2</u> <u>133.50</u>	Comments <u>put tool</u>
(G) Final Shut-In <u>614</u>	<input type="checkbox"/> Sampler	<u>1900 9/02/2016</u>
(H) Final Hydrostatic <u>2289</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>45</u>	<input type="checkbox"/> Day Standby	Total <u>1608.50</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1608.50</u>	

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.



PETERRA ENERGY SERVICES CONSULTING FROM PROJECT TO PIPELINE

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

Well Name: Shallow River 1A
API #: 15-109-21465
Location: NW - SE - SE - NW of Section 26 T2s R33w
License Number: 34917
Spud Date: 8-22-2016
Surface Coordinates: 2190' FN.L. @ 2020' FWL
Bottom Hole Coordinates: Same as surface
Ground Elevation (ft): 3083'
K.B. Elevation (ft): 3093'
Logged Interval (ft): 3500' To: 4740' Total Depth (ft): 4740'
Formation: Mississippian @ Total Depth
Type of Drilling Fluid: Chemical Drispac (Mucro-Reid Atwell)

OPERATOR

Company: Bickle Energies, LLC
Address: Attn: Matt Bickles
P.O. BOX 816
Hays, KS 67601

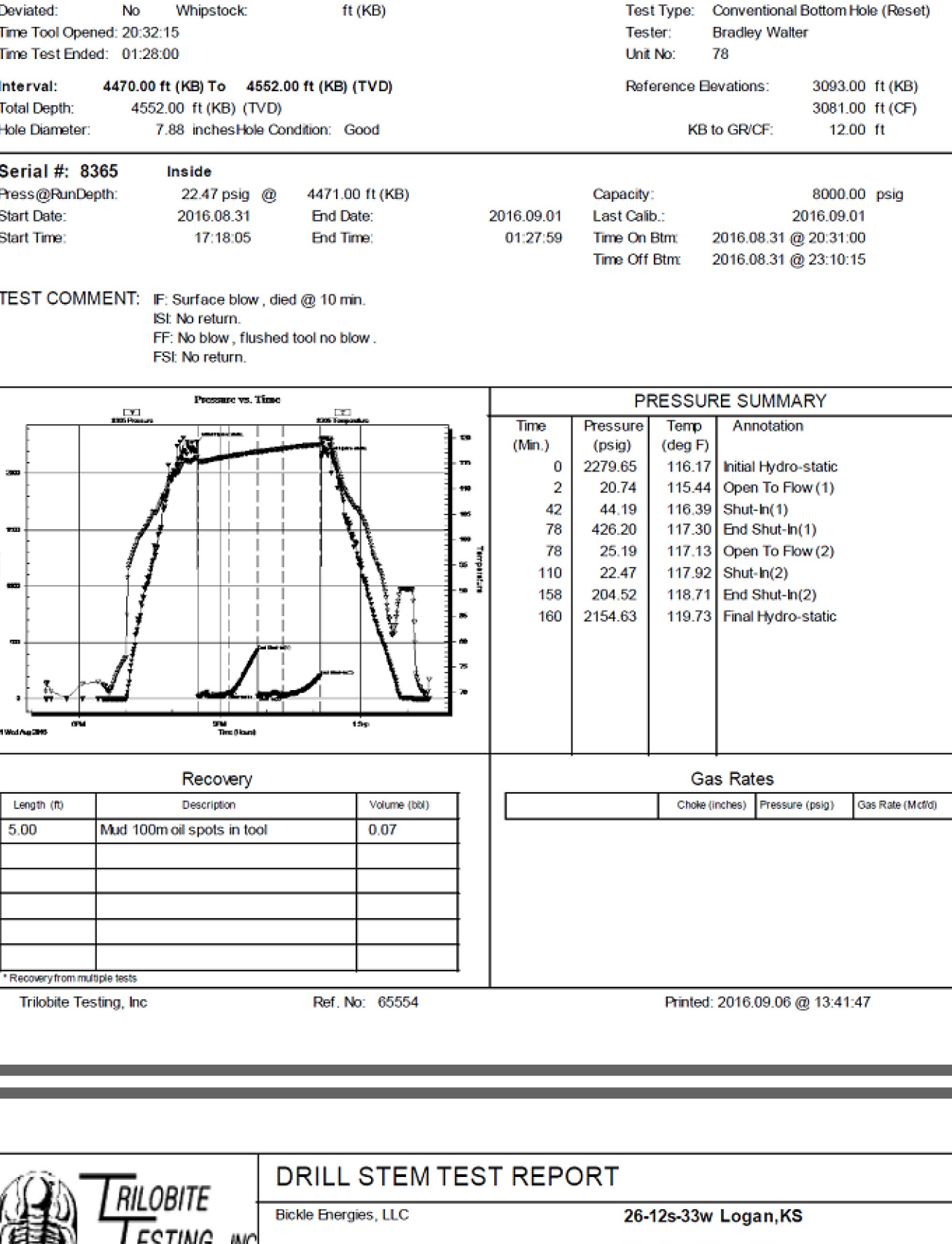
GEOLOGIST

Name: Eli J. Felts
Company: Peterra Energy Services
Address: 7701 Kenlogg Drive
Suite #625
Wichita, KS 67207

MORNING DRILLING REPORT For Bickle Energies, LLC. Includes well name, location, coordinates, and a detailed table of depth, time, and volume data for various formations.

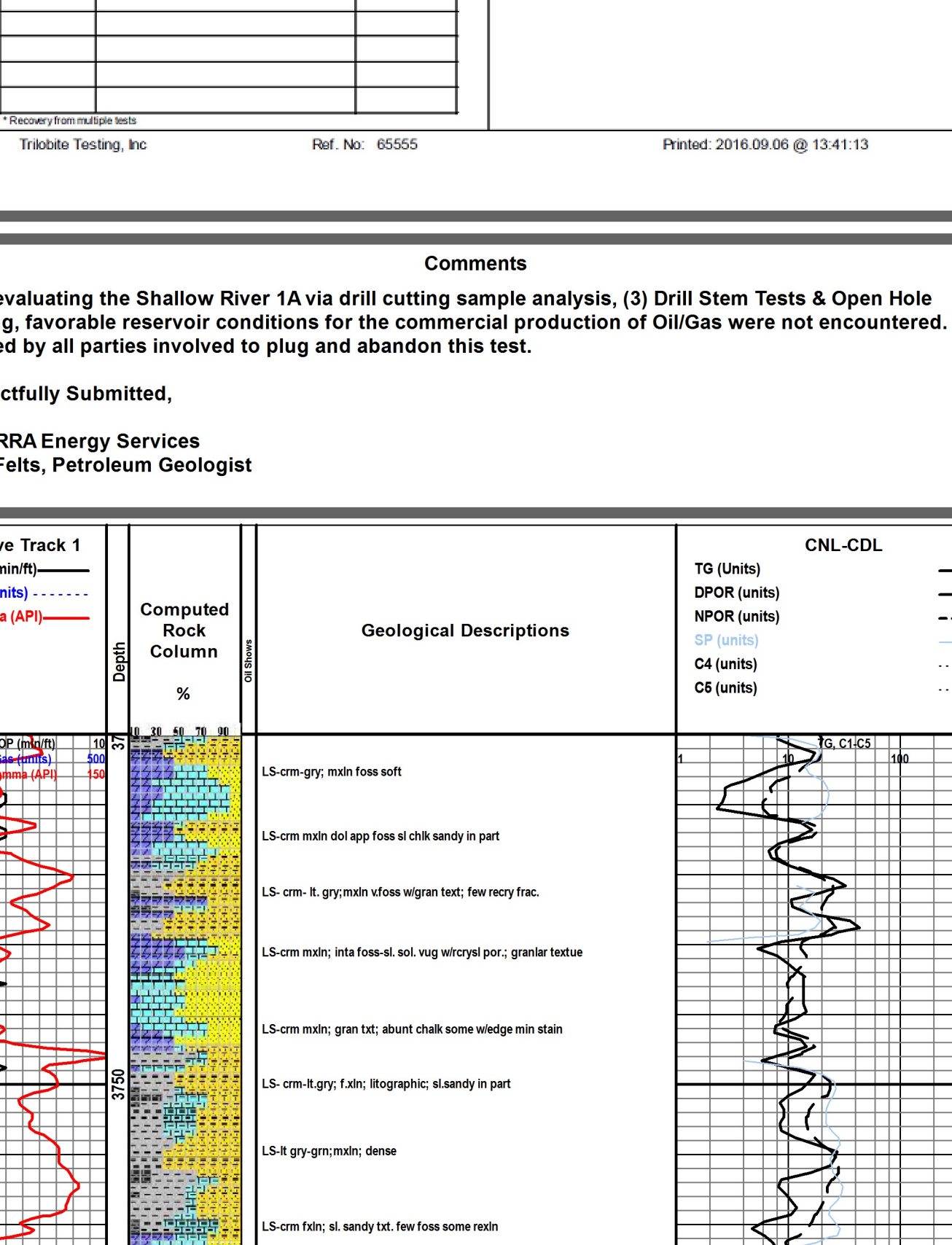
REFERENCE WELLS E-LOG TOPS. Table showing formation names and their corresponding elevations in feet.

DRILL STEM TEST REPORT for Bickle Energies, LLC. Includes well name, location, test date, and general information.



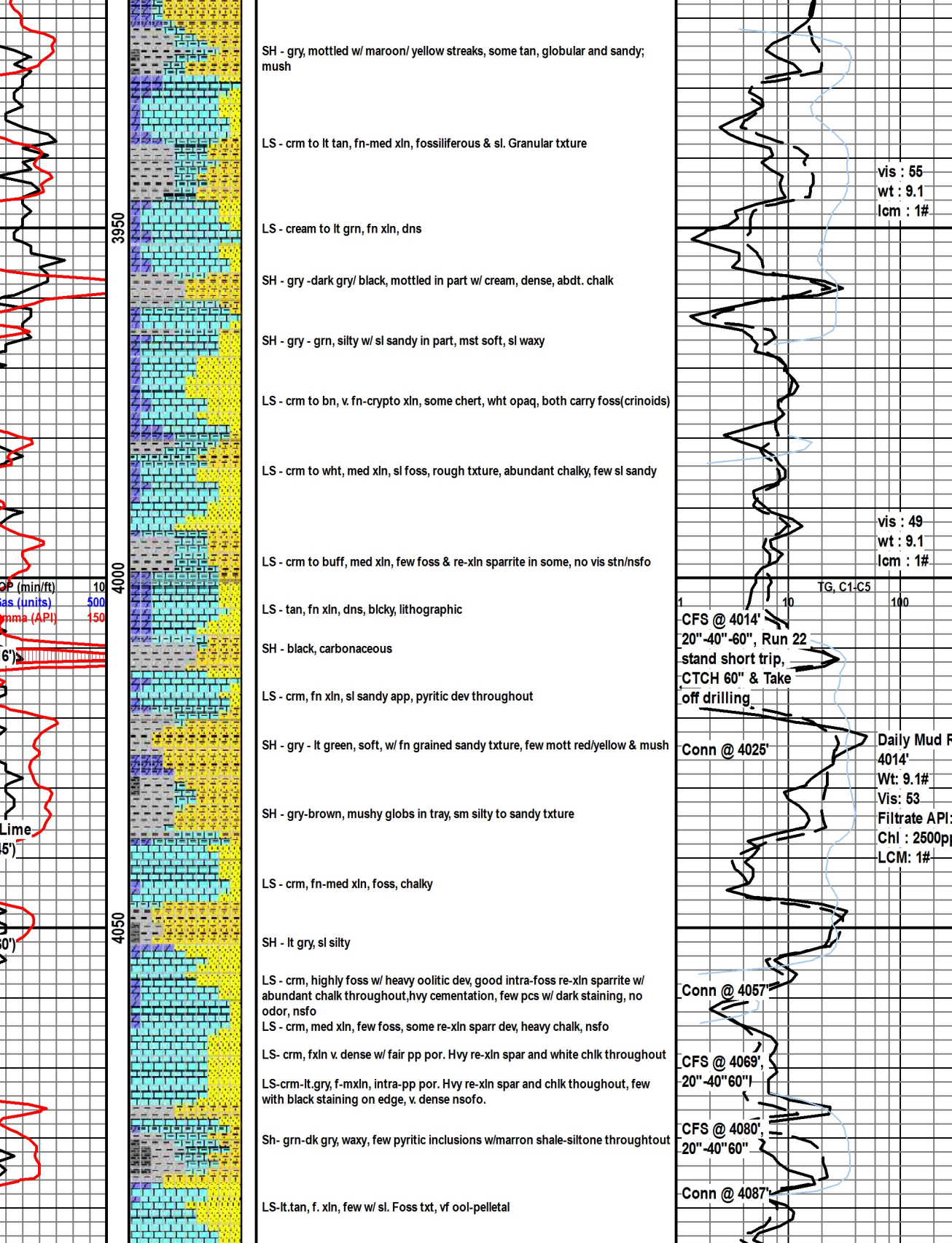
Recovery and Gas Rates data. Recovery table shows length of hole and mud volume. Gas Rates table shows choke size, pressure, and gas rate.

DRILL STEM TEST REPORT for Bickle Energies, LLC. Includes well name, location, test date, and general information.



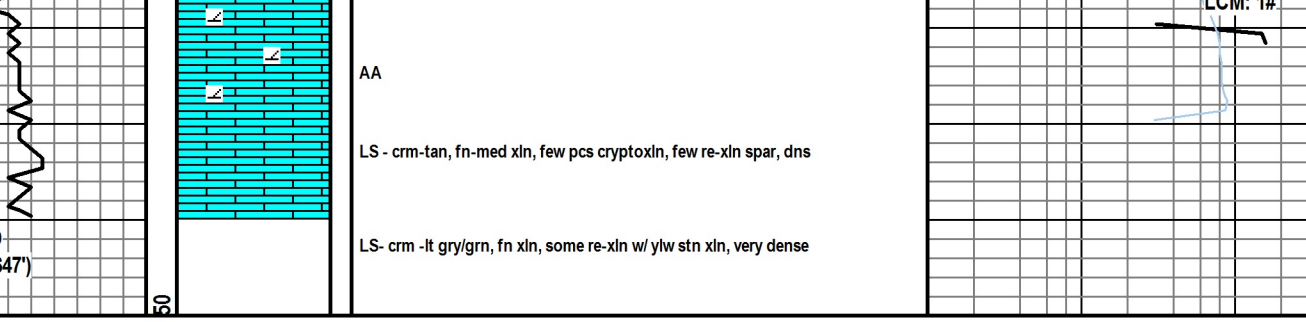
Recovery and Gas Rates data. Recovery table shows length of hole and mud volume. Gas Rates table shows choke size, pressure, and gas rate.

DRILL STEM TEST REPORT for Bickle Energies, LLC. Includes well name, location, test date, and general information.



Recovery and Gas Rates data. Recovery table shows length of hole and mud volume. Gas Rates table shows choke size, pressure, and gas rate.

After the Shallow River 1A via drill cutting sample analysis, (3) Drill Stem Tests & Open Hole logging, favorable reservoir conditions for the commercial production of Oil/Gas were not encountered. It was decided by all parties involved to plug and abandon this test. Respectfully Submitted, PETERRA Energy Services, Eli J. Felts, Petroleum Geologist.





QUALITY OILWELL CEMENTING, INC.

PO Box 32 - 740 West Wichita Ave, Russell KS 67665
 Phone: 785-324-1041 fax: 785-483-1087
 Email: cementing@ruraltel.net

Date: 9/3/2016
Invoice # 1767

P.O.#:
Due Date: 10/3/2016
Division: Russell

Invoice

Contact:
 BICKLE ENERGY
Address/Job Location:

PO Box 816
 HAYS, KS 67601

Reference:
 SHALLOW RIVER 1-A

Description of Work:
 PLUG JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 467.97	Yes				
Common-Class A	153	\$ 1,598.58	Yes				
POZ Mix-Standard	102	\$ 449.40	Yes				
Bulk Truck Matl-Material Service Charge	264	\$ 166.16	Yes				
Premium Gel (Bentonite)	9	\$ 164.28	Yes				
Flo Seal	56	\$ 70.49	Yes				
Pump Truck Mileage-Job to Nearest Camp	15	\$ 42.49	Yes				
Dry Hole Plug	1	\$ 35.25	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	15	\$ 33.04	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 3,027.66
 Discount Available ONLY if Invoice is Paid & Received
 within listed terms of invoice: \$ (75.69)

SubTotal for Taxable Items:	\$ 2,951.97
SubTotal for Non-Taxable Items:	\$ -
Total:	\$ 2,951.97
Tax:	\$ 236.16

8.00% Logan County Sales Tax

Thank You For Your Business!

Amount Due: \$ 3,188.13
Applied Payments:
Balance Due: \$ 3,188.13

Past Due Invoices are subject to a service charge (annual rate of 24%)
 This does not include any applicable taxes unless it is listed.
 ©2008-2013 Straker Investments, LLC. All rights reserved.

QUALITY OILWELL CEMENTING, INC.

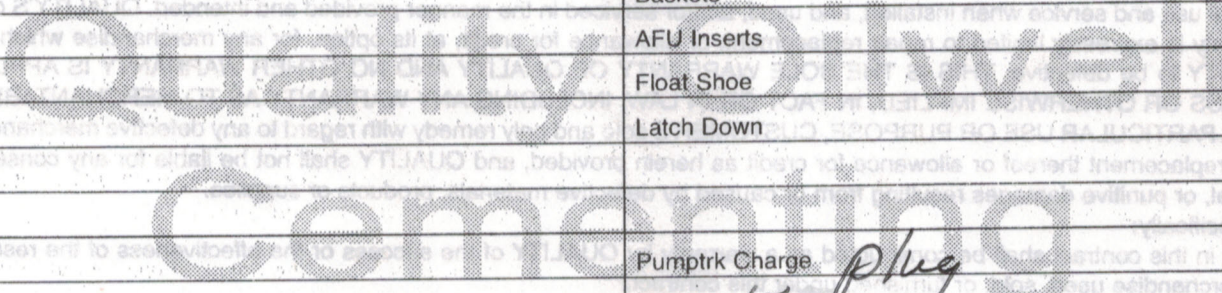
Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 1767

Date	9-3-16	Sec.	26	Twp.	12	Range	33	County	Logan	State	KS	On Location		Finish	
Lease								Well No.		Owner					
Shallow River								A-1-A		To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.					
Contractor										Type Job					
Southwind #1										Rotary Plug					
Hole Size								T.D.		Charge To					
7 7/8								4740		Bickle Energy					
Csg.								Depth		Street					
Tbg. Size								Depth		City State					
Tool								Depth		The above was done to satisfaction and supervision of owner agent or contractor.					
Cement Left in Csg.								Shoe Joint		Cement Amount Ordered					
										255 60/40 4-1/2 1/4 #10					
Meas Line								Displace		EQUIPMENT					
										Common					
Pumptrk								No.		Cement					
20										Helper					
Bulktrk								No.		Driver					
a										9					
Bulktrk								No.		Driver					
										Calcium					
JOB SERVICES & REMARKS										Hulls					
Remarks:										Salt					
Rat Hole										Flowseal					
30SK										56					
Mouse Hole										Kol-Seal					
15SK															
Centralizers										Mud CLR 48					
Baskets										CFL-117 or CD110 CAF 38					
D/V or Port Collar										Sand					
1st								2600		50SK					
2nd								1530		100SK					
3rd								275		50SK					
4th								40		10SK					
										FLOAT EQUIPMENT					
										Guide Shoe					
										8 7/8 Dry Hole Plug					
										Centralizer					
										Baskets					
										AFU Inserts					
										Float Shoe					
										Latch Down					
										Pumptrk Charge					
										15 Plug					
										Mileage					
										Tax					
										Discount					
										Total Charge					
Signature															





QUALITY OILWELL CEMENTING, INC.

PO Box 32 - 740 West Wichita Ave, Russell KS 67665
 Phone: 785-324-1041 fax: 785-483-1087
 Email: cementing@ruraltel.net

Date: 8/23/2016
 Invoice # 1753

P.O.#:

Due Date: 9/22/2016

Division: Russell

Invoice

PAID
 9.2

ENTERED

Contact:
 BICKLE ENERGY
 Address/Job Location:

PO Box 816
 HAYS, KS 67601

Reference:
 SHALLOW RIVER A-1

Description of Work:
 SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 485.09	No				
Common-Class A	120	\$ 1,299.66	Yes				
Calcium Chloride	6	\$ 219.22	Yes				
POZ Mix-Standard	30	\$ 137.01	Yes				
Bulk Truck Matl-Material Service Charge	159	\$ 103.74	No				
Premium Gel (Bentonite)	3	\$ 56.76	Yes				
Pump Truck Mileage-Job to Nearest Camp	15	\$ 44.04	No				
Bulk Truck Mileage-Job to Nearest Bulk Plant	15	\$ 34.25	No				

Invoice Terms:

Net 30

SubTotal: \$ 2,379.77

Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (59.49)

SubTotal for Taxable Items: \$ 1,669.84

SubTotal for Non-Taxable Items: \$ 650.44

Total: \$ 2,320.28

Tax: \$ 133.59

8.00% Logan County Sales Tax

Amount Due: \$ 2,453.87

Applied Payments:

Balance Due: \$ 2,453.87

Thank You For Your Business!

Past Due Invoices are subject to a service charge (annual rate of 24%)
 This does not include any applicable taxes unless it is listed.
 ©2008-2013 Straker Investments, LLC. All rights reserved.

