

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 Recompletion Date \_\_\_\_\_ 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](mailto: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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# ES

SM-11406  
PO-17797  
ST-11296

TICKET NUMBER 55249  
LOCATION Oakley, KS  
FOREMAN Walt Dinkel

RESSURE PUMPING LLC  
PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

### FIELD TICKET & TREATMENT REPORT CEMENT

Invoice # 81393, KS

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-13-18	1487	L+L #1	31	85	21 <sup>W</sup>	Graham
CUSTOMER Blake Explorations, LLC			Bogue			
MAILING ADDRESS 2015. Main			2-South			
CITY Bogue			1-West			
STATE KS			1/2 South			
ZIP CODE 67625			E.S.			
			TRUCK #	DRIVER	TRUCK #	DRIVER
			731	Cory Davis		
			693	Neil White		

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 221' CASING SIZE & WEIGHT 85/8 - 23#  
 CASING DEPTH 221 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 15.2 SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 15'-20'  
 DISPLACEMENT 12 3/4 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety Meeting, rig up on STP Drlg, Circ. Casing on Bottoms  
Mix 165 SKs con, 3% CC - 2% Gel, Displace 12 3/4 BBL, H<sub>2</sub>O, Shut in  
Cement Did Cure  
Approx 2 BBL to P.T

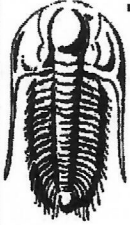
Thank You  
Walt + crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
<u>Coa 471</u>	<u>1</u>	<u>PUMP CHARGE</u>	<u>1,150.00</u>	<u>1,150.00</u>
<u>Geo 002</u>	<u>40</u>	<u>MILEAGE</u>	<u>7.15</u>	<u>286.00</u>
<u>Geo 711</u>	<u>7.76</u>	<u>Tan Mileage Delivery</u>	<u>1.25</u>	<u>660.00</u>
<u>Coa 5871</u>	<u>165 SKs</u>	<u>Surface Blend II</u>	<u>24.00</u>	<u>3960.00</u>
				<u>6,056.00</u>
		<u>Less 30% Disc</u>		<u>-1,816.80</u>
				<u>4,239.20</u>
		<u>7.5%</u>	<u>SALES TAX</u>	<u>207.90</u>
			<u>ESTIMATED TOTAL</u>	<u>\$ 4,447.10</u>

RAVIN 3737  
 AUTHORIZATION [Signature] TITLE \_\_\_\_\_ DATE \_\_\_\_\_

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Blake Exploration, LLC  
 201 S. Main  
 PO BOX 150  
 Bogue KS 67625  
 ATTN: Mike Davignon

**31-8S-21W Graham KS**

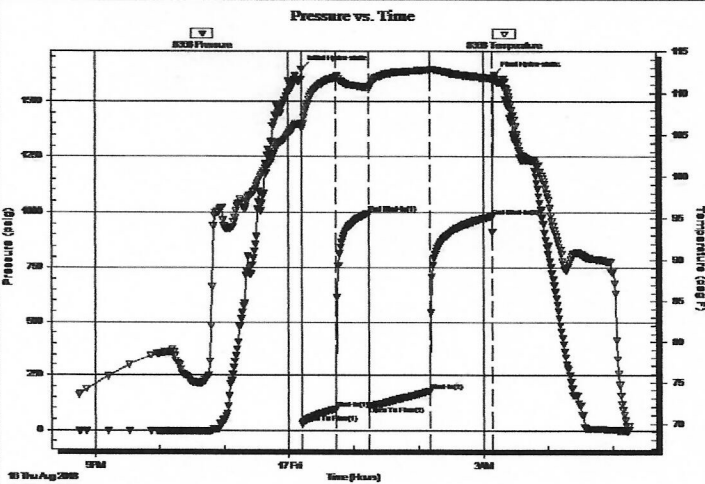
**L&L #1**  
 Job Ticket: 64581      **DST#: 1**  
 Test Start: 2018.08.16 @ 20:45:00

**GENERAL INFORMATION:**

Formation: **LKC 'A'**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 00:12:00  
 Time Test Ended: 05:15:00  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Spencer J. Staab  
 Unit No: 84  
 Interval: **3387.00 ft (KB) To 3410.00 ft (KB) (TVD)**  
 Total Depth: 3410.00 ft (KB) (TVD)  
 Reference Elevations: 2182.00 ft (KB)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 KB to GR/CF: 7.00 ft  
 2175.00 ft (CF)

**Serial #: 8368 Inside**  
 Press@RunDepth: 177.12 psig @ 3388.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2018.08.16 End Date: 2018.08.17 Last Calib.: 2018.08.17  
 Start Time: 20:45:00 End Time: 05:15:00 Time On Btrn: 2018.08.17 @ 00:11:45  
 Time Off Btrn: 2018.08.17 @ 03:10:45

**TEST COMMENT:** 30-IF-Fair; BOB in 22 mins; Built to 13&1/2"  
 30-ISI-No Return  
 60-FF-Fair; BOB in 35 mins; Built to 20"  
 60-FSI-No Return



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1645.60	106.40	Initial Hydro-static
1	31.28	105.84	Open To Flow (1)
32	97.05	111.88	Shut-In(1)
62	995.60	110.66	End Shut-In(1)
63	111.24	110.51	Open To Flow (2)
119	177.12	112.75	Shut-In(2)
177	982.03	111.77	End Shut-In(2)
179	1620.01	111.46	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (tbl)
240.00	Water 100%W	2.28
120.00	MCW 25%M 75%W	1.70

**Gas Rates**

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

Serial #: 8368

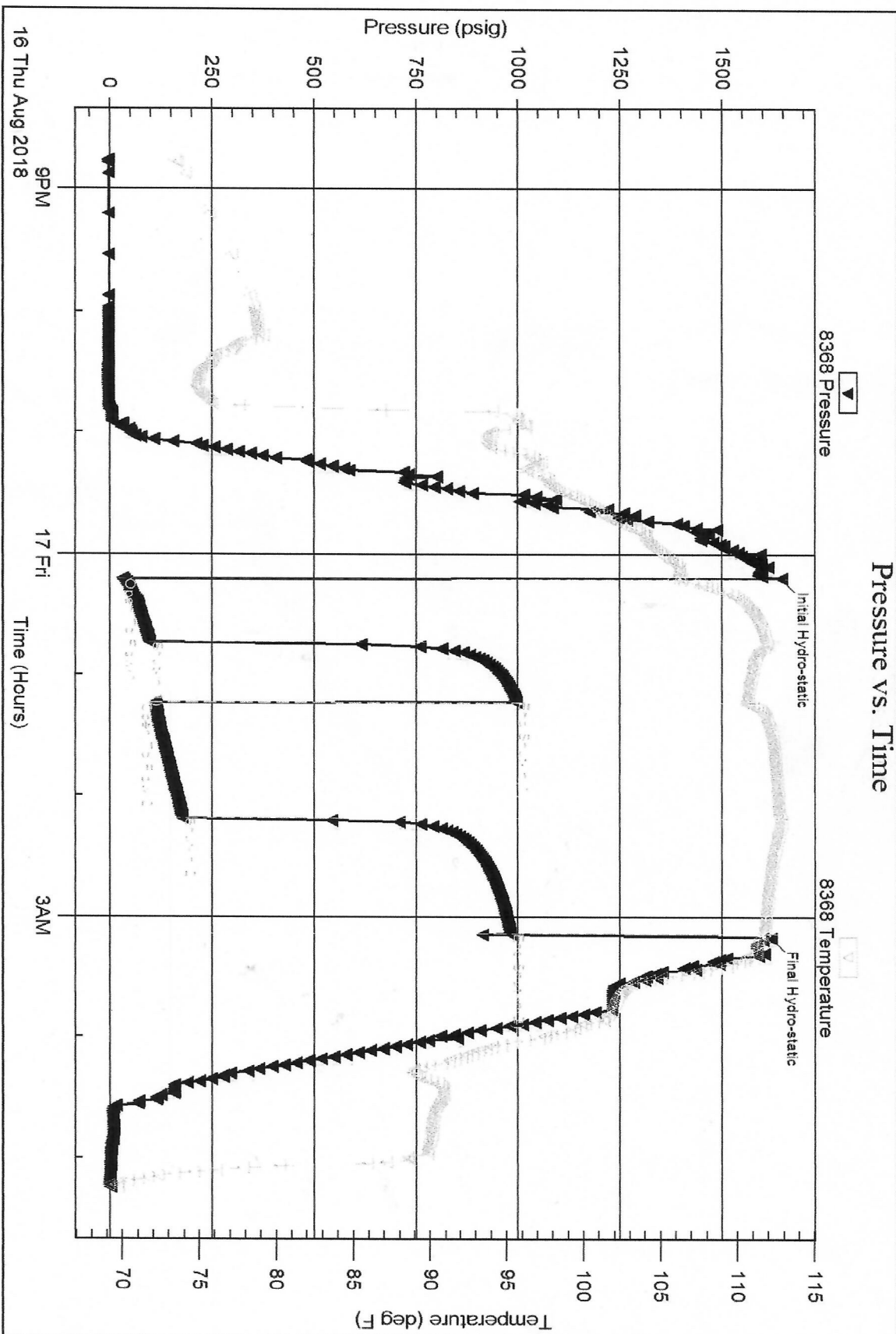
Inside

Blake Exploration, LLC

L&L #1

DST Test Number: 1

### Pressure vs. Time





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Blake Exploration, LLC

**31-8S-21W Graham KS**

201 S. Main  
PO BOX 150  
Bogue KS 67625  
ATTN: Mike Davignon

**L&L #1**

Job Ticket: 64582      **DST#: 2**

Test Start: 2018.08.17 @ 11:07:00

## GENERAL INFORMATION:

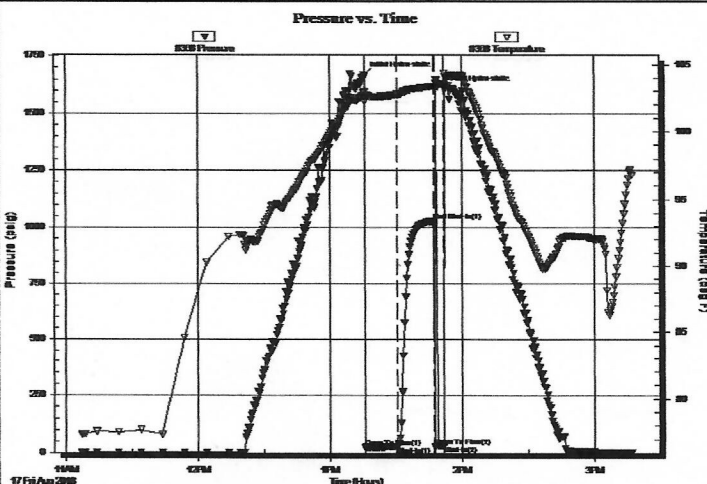
Formation: **LKC 'C'**  
 Deviated: No Whipstock:                      ft (KB)  
 Time Tool Opened: 13:16:00  
 Time Test Ended: 15:17:00  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Spencer J. Staab  
 Unit No: 84  
 Interval: **3420.00 ft (KB) To 3450.00 ft (KB) (TVD)**  
 Total Depth: 3450.00 ft (KB) (TVD)  
 Reference Elevations: 2182.00 ft (KB)  
 2175.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 KB to GR/CF: 7.00 ft

## Serial #: 8368

Inside

Press@RunDepth: 27.74 psig @ 3421.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2018.08.17      End Date: 2018.08.17      Last Calib.: 2018.08.17  
 Start Time: 11:07:00      End Time: 15:17:00      Time On Btm: 2018.08.17 @ 13:15:45  
 Time Off Btm: 2018.08.17 @ 13:52:00

**TEST COMMENT:** 15-IF-Weak Surface  
 15-IS-No Return  
 5-FF-No Blow ; Flushed; No Help; Pulled Tool



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1666.56	102.94	Initial Hydro-static
1	24.35	102.23	Open To Flow (1)
15	27.74	102.77	Shut-In(1)
32	1031.51	103.39	End Shut-In(1)
32	29.53	103.18	Open To Flow (2)
36	32.65	103.59	Shut-In(2)
37	1604.59	104.37	Final Hydro-static

## Recovery

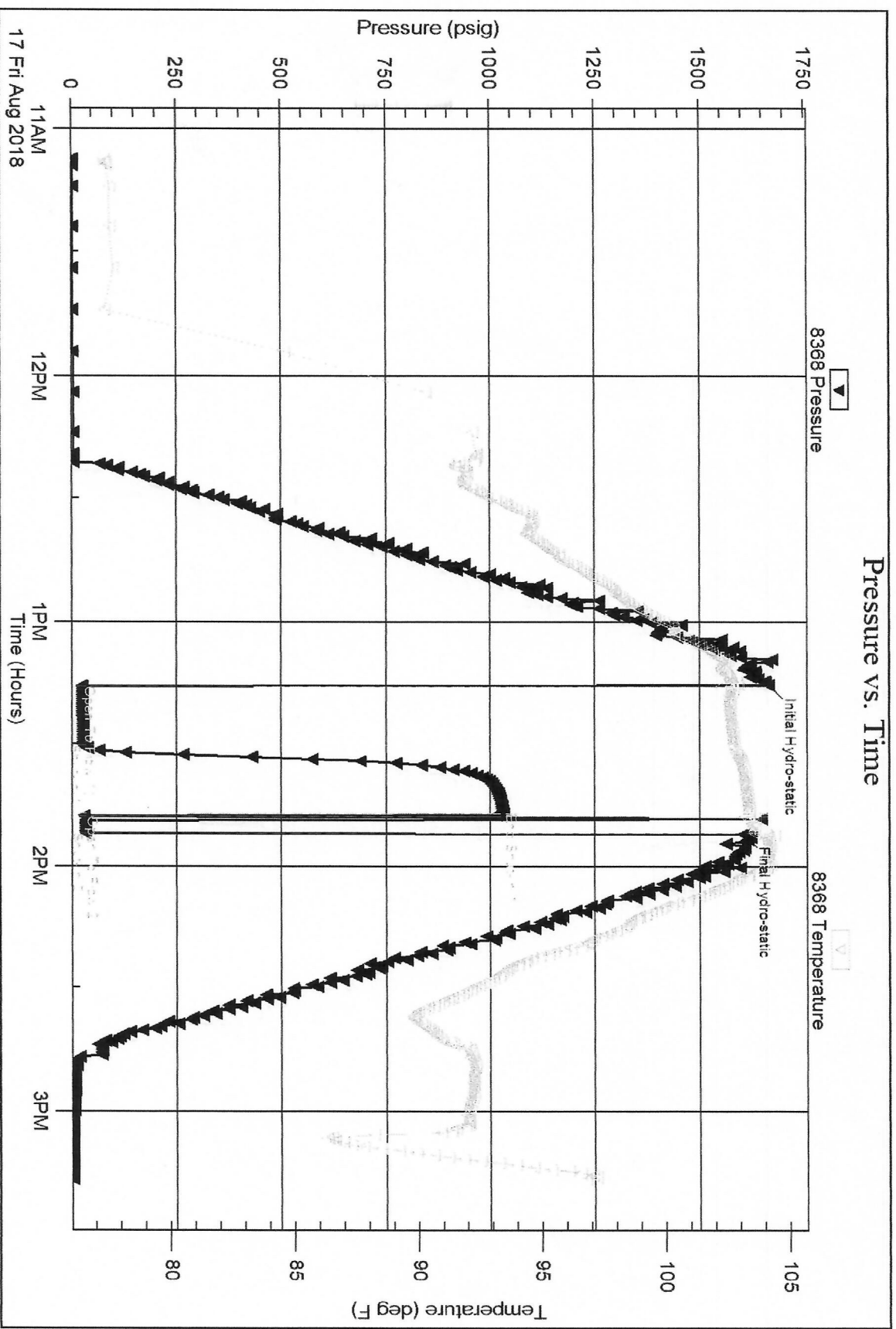
Length (ft)	Description	Volume (bbl)
10.00	Mud 100%M	0.05

## Gas Rates

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

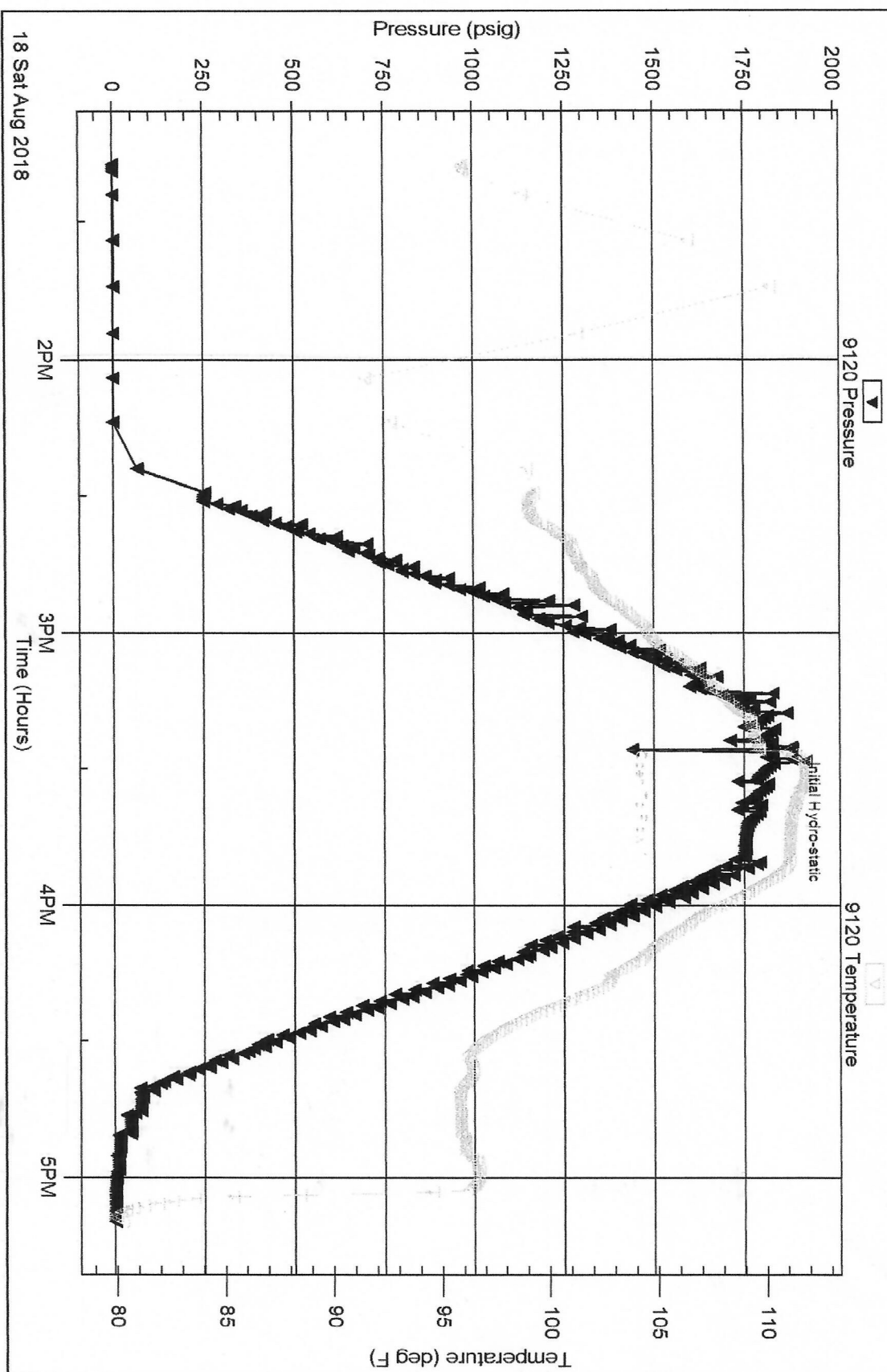
\* Recovery from multiple tests







### Pressure vs. Time





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Blake Exploration, LLC

**31-8S-21W Graham KS**

201 S. Main  
PO BOX 150  
Bogue KS 67625  
ATTN: Mike Davignon

**L&L #1**

Job Ticket: 64584

**DST#: 4**

Test Start: 2018.08.18 @ 17:25:00

## GENERAL INFORMATION:

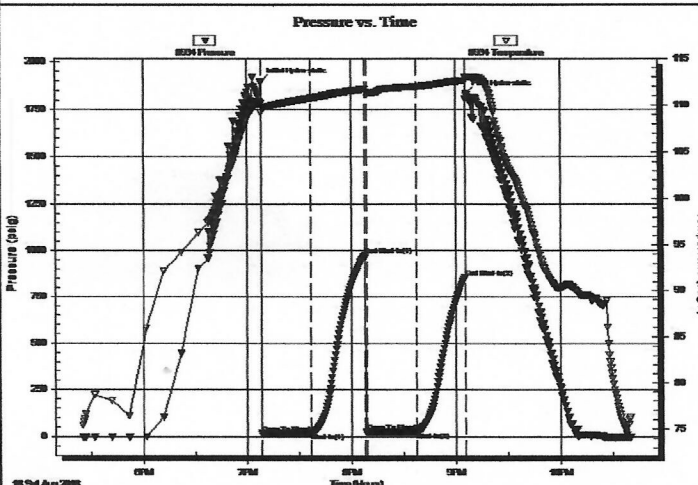
Formation: **Arbuckle**  
 Deviated: **No** Whipstock: **ft (KB)**  
 Time Tool Opened: 19:08:15  
 Time Test Ended: 22:40:15  
 Interval: **3664.00 ft (KB) To 3735.00 ft (KB) (TVD)**  
 Total Depth: **3735.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**  
 Test Type: **Conventional Bottom Hole (Reset)**  
 Tester: **Spencer J. Staab**  
 Unit No: **84**  
 Reference Elevations: **2182.00 ft (KB)**  
**2175.00 ft (CF)**  
 KB to GR/CF: **7.00 ft**

## Serial #: 8934

**Inside**

Press@RunDepth: **26.84 psig @ 3669.00 ft (KB)** Capacity: **8000.00 psig**  
 Start Date: **2018.08.18** End Date: **2018.08.18** Last Calib.: **2018.08.18**  
 Start Time: **17:25:00** End Time: **22:40:15** Time On Btm: **2018.08.18 @ 19:08:00**  
 Time Off Btm: **2018.08.18 @ 21:06:00**

**TEST COMMENT:** 30-IF-Weak Surface; Built to 1"  
 30-IS-No Return  
 30-FF-Weak Surface; Built to 1/2"  
 30-FSI-No Return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1897.55	110.22	Initial Hydro-static
1	17.73	109.20	Open To Flow (1)
29	20.97	110.76	Shut-In(1)
60	974.08	111.72	End Shut-In(1)
61	25.85	111.35	Open To Flow (2)
89	26.84	111.98	Shut-In(2)
118	852.90	112.66	End Shut-In(2)
118	1832.27	113.02	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	HMCO 25%M 75%O	0.05
5.00	Clean Oil 100%O	0.02

## Gas Rates

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

\* Recovery from multiple tests

Serial #: 8934

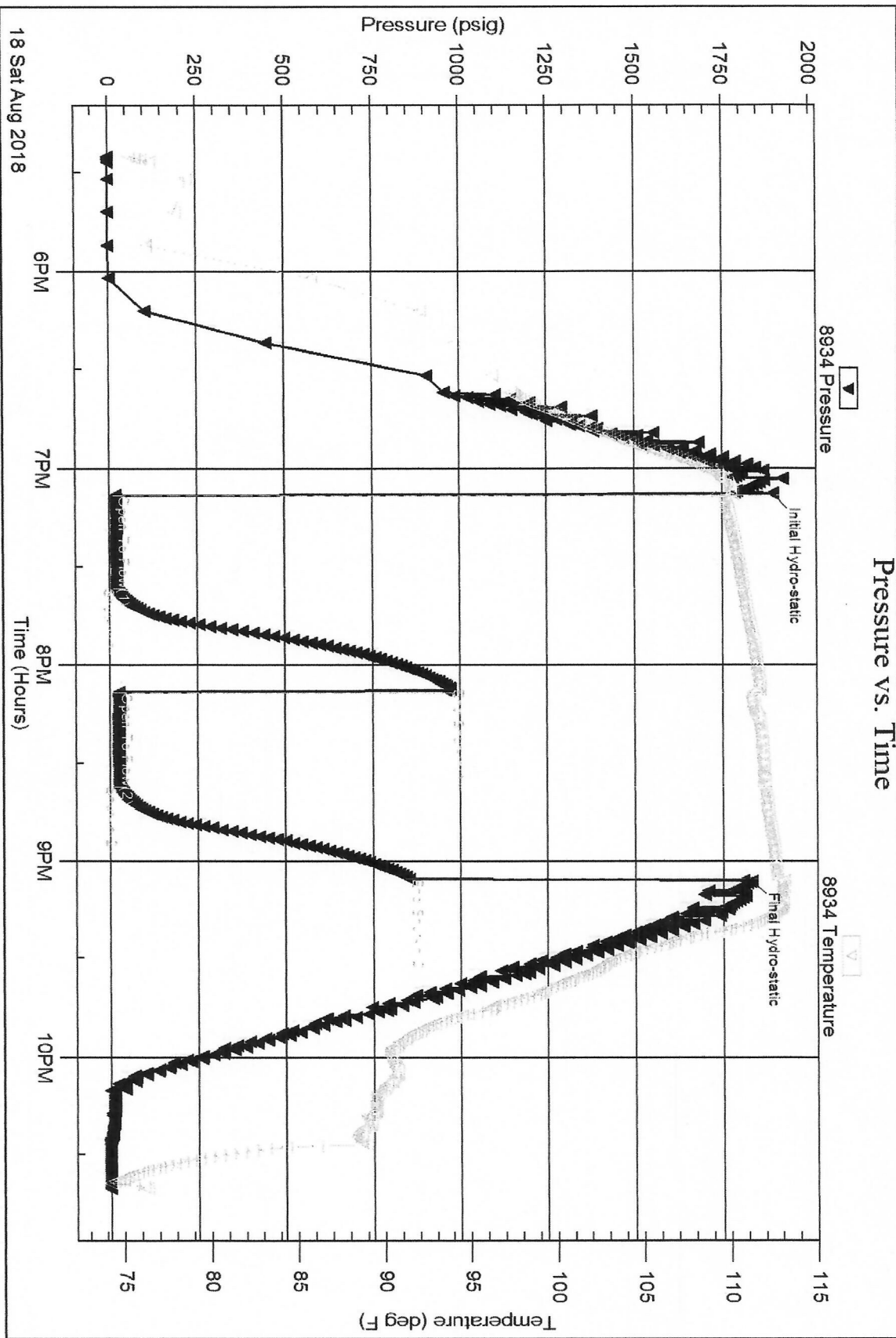
Inside

Blake Exploration, LLC

L&L #1

DST Test Number: 4

### Pressure vs. Time



Triobite Testing, Inc

Ref. No: 64584

Printed: 2018.08.18 @ 22:51:05



Serial #: 8934

Blake Exploration, LLC

L&L #1

DST Test Number: 5

