

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
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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) (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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**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Berexco LLC  
 2020 N Bramblewood  
 Wichita, Kansas  
 67206+1094  
 ATTN: Ed Grieves

**27/22S/34W/Finney**

**Bailey OE 3-27**

Job Ticket: 65095

**DST#: 1**

Test Start: 2019.02.16 @ 12:28:00

## GENERAL INFORMATION:

Formation: **Lansing/Kansas City**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:32:17

Time Test Ended: 22:49:47

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 72 Scott City/ 70

Interval: **3987.00 ft (KB) To 4010.00 ft (KB) (TVD)**

Reference Elevations: 2955.00 ft (KB)

Total Depth: 4010.00 ft (KB) (TVD)

2940.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair

KB to GR/CF: 15.00 ft

**Serial #: 8365**

**Inside**

Press@RunDepth: 19.80 psig @ 3988.00 ft (KB)

Capacity: psig

Start Date: 2019.02.16 End Date: 2019.02.16

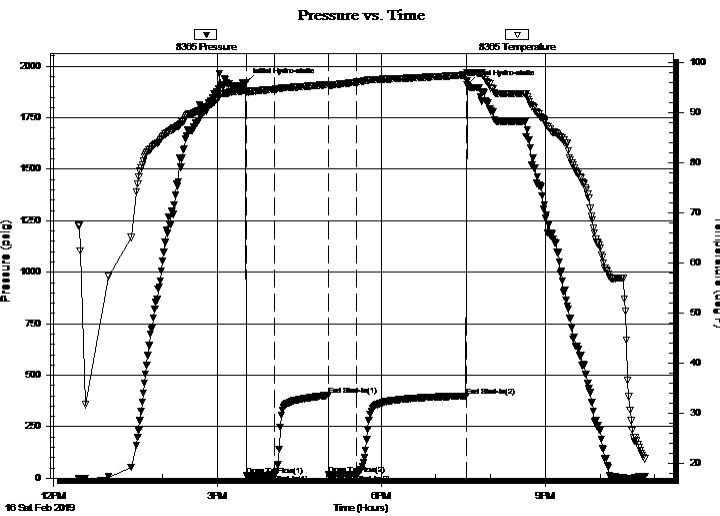
Last Calib.: 2019.02.16

Start Time: 12:28:01 End Time: 22:49:47

Time On Btm: 2019.02.16 @ 15:31:32

Time Off Btm: 2019.02.16 @ 19:34:17

TEST COMMENT: IF 30 Minutes/ Blow built to 1 1/4 inch  
 ISI 60 Minutes/ No blow back  
 FF 30 Minutes/ Dead no blow  
 FSI 120 Minutes/ No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1922.27	94.45	Initial Hydro-static
1	13.04	94.11	Open To Flow (1)
32	15.91	94.66	Shut-In(1)
90	401.97	95.58	End Shut-In(1)
91	16.45	95.53	Open To Flow (2)
122	19.80	96.10	Shut-In(2)
242	399.02	97.54	End Shut-In(2)
243	1908.91	97.94	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud w /light oil spot in tool/ M 100%	0.28

## Gas Rates

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



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2020 N Bramblewood  
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**27/22S/34W/Finney**

**Bailey OE 3-27**

Job Ticket: 65095

**DST#: 1**

Test Start: 2019.02.16 @ 12:28:00

## GENERAL INFORMATION:

Formation: **Lansing/Kansas City**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:32:17

Time Test Ended: 22:49:47

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 72 Scott City/ 70

**Interval: 3987.00 ft (KB) To 4010.00 ft (KB) (TVD)**

Reference Elevations: 2955.00 ft (KB)

Total Depth: 4010.00 ft (KB) (TVD)

2940.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair

KB to GR/CF: 15.00 ft

**Serial #: 6752 Outside**

Press@RunDepth: 397.76 psig @ 3989.00 ft (KB)

Capacity: psig

Start Date: 2019.02.16

End Date: 2019.02.16

Last Calib.: 2019.02.16

Start Time: 12:28:01

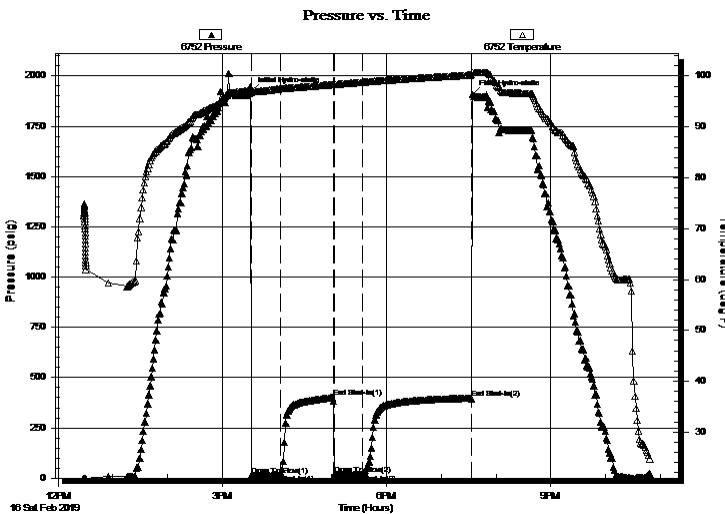
End Time: 22:48:47

Time On Btm: 2019.02.16 @ 15:31:17

Time Off Btm: 2019.02.16 @ 19:34:17

TEST COMMENT: IF 30 Minutes/ Blow built to 1 1/4 inch  
ISI 60 Minutes/ No blow back  
FF 30 Minutes/ Dead no blow  
FSI 120 Minutes/ No blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1920.89	97.22	Initial Hydro-static
1	13.45	96.77	Open To Flow (1)
33	16.80	97.51	Shut-In(1)
90	400.88	98.33	End Shut-In(1)
92	17.32	98.33	Open To Flow (2)
122	20.51	98.78	Shut-In(2)
242	397.76	100.24	End Shut-In(2)
243	1907.12	100.62	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud w /light oil spot in tool/ M 100%	0.28

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Berexco LLC

**27/22S/34W/Finney**

2020 N Bramblewood  
Wichita, Kansas  
67206+1094  
ATTN: Ed Grieves

**Bailey OE 3-27**

Job Ticket: 65095

**DST#: 1**

Test Start: 2019.02.16 @ 12:28:00

## Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 49.00 sec/qt

Water Loss: 6.40 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 3200.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Mud w /light oil spot in tool/ M 100%	0.281

Total Length: 20.00 ft      Total Volume: 0.281 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

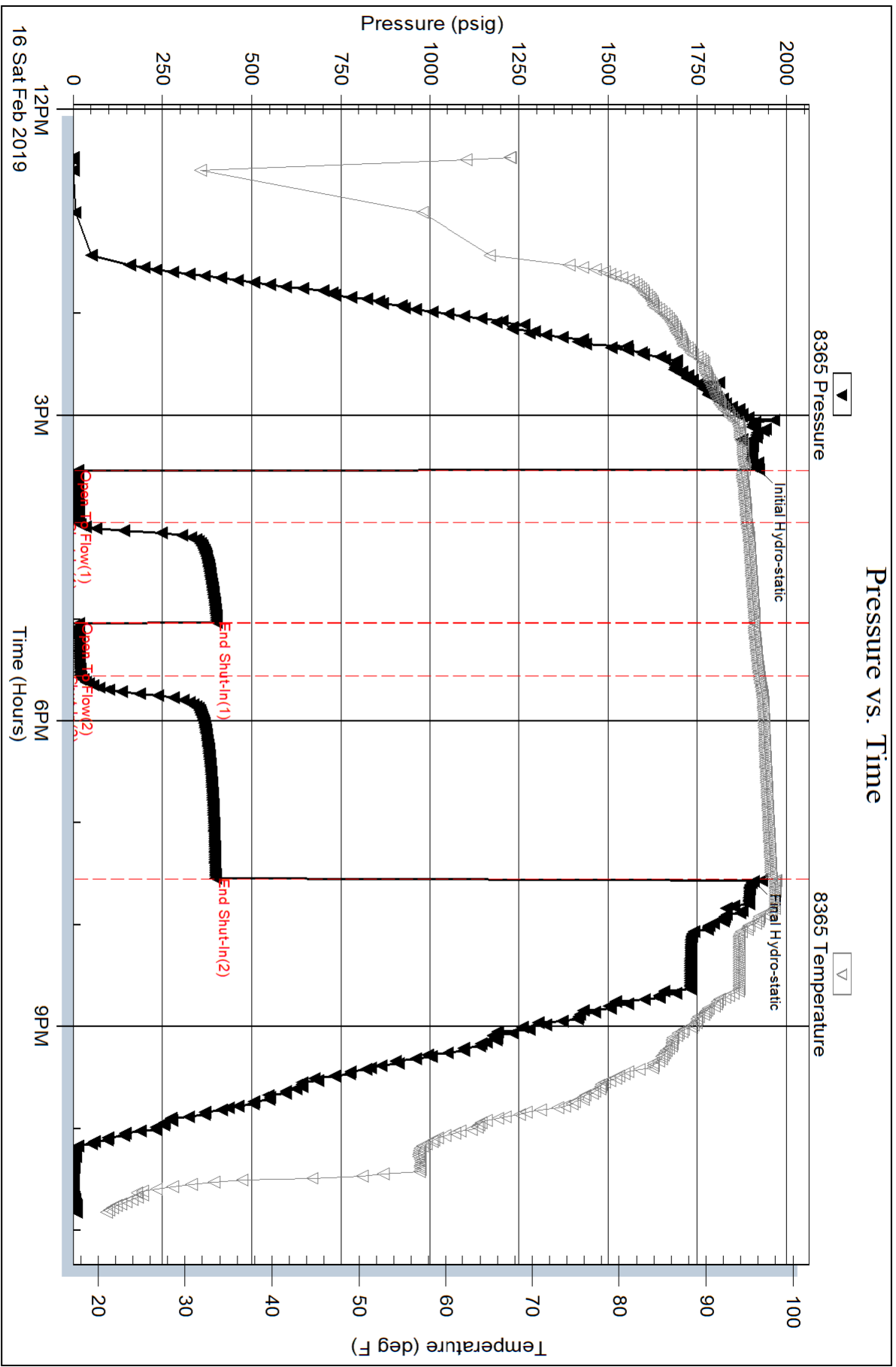
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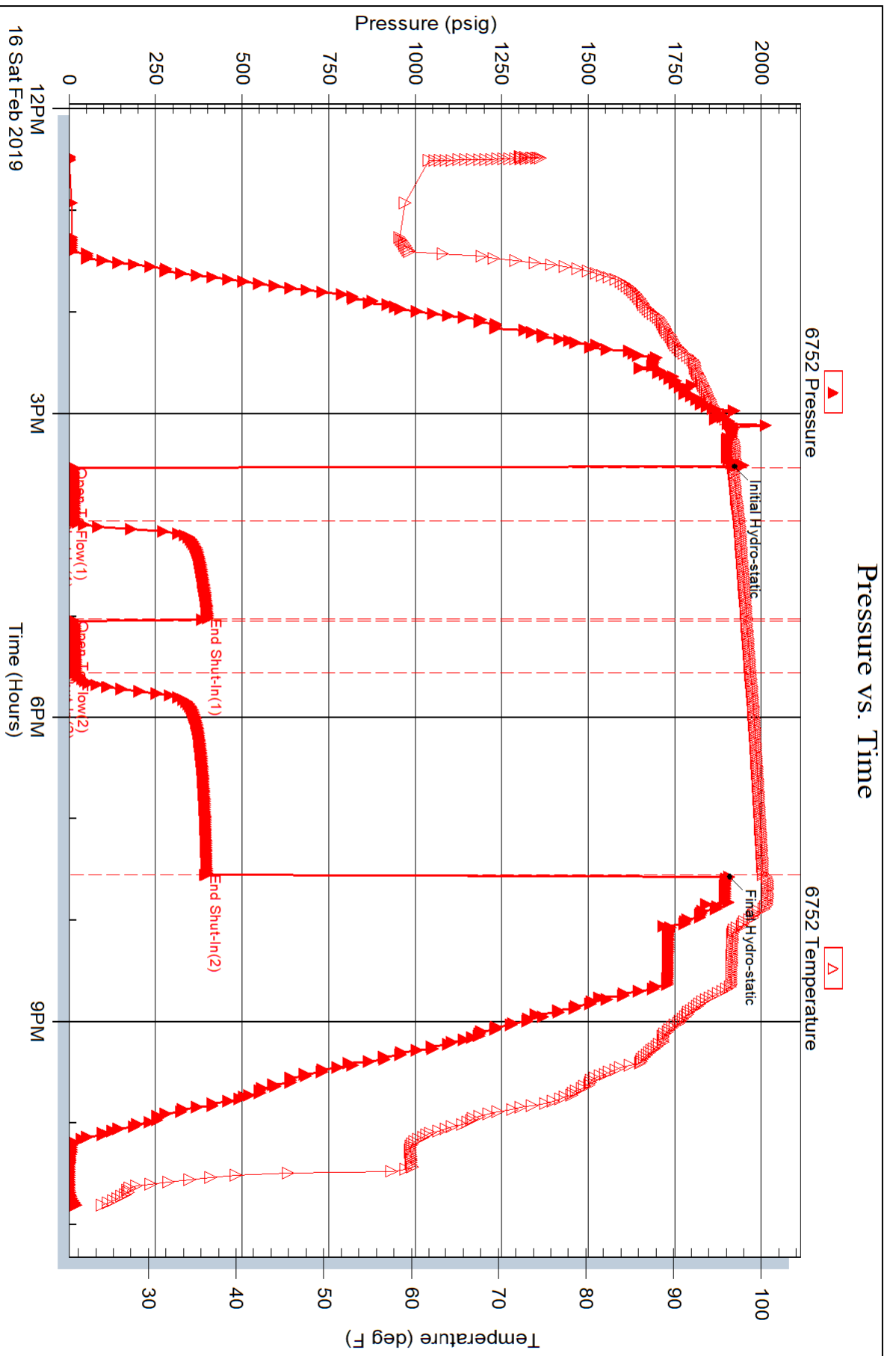
Inside

Berexco LLC

Bailey OE-3-27

DST Test Number: 1









**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Berexco LLC  
 2020 N Bramblewood  
 Wichita, Kansas  
 67206+1094  
 ATTN: Ed Grieves

**27/22S/34W/Finney**

**Bailey OE 3-27**

Job Ticket: 65096

**DST#: 2**

Test Start: 2019.02.17 @ 14:15:00

## GENERAL INFORMATION:

Formation: **Lansing H**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:19:17

Time Test Ended: 23:01:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 72 Scott City/ 70

Interval: **4016.00 ft (KB) To 4036.00 ft (KB) (TVD)**

Reference Elevations: 2955.00 ft (KB)

Total Depth: 4036.00 ft (KB) (TVD)

2940.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair

KB to GR/CF: 15.00 ft

**Serial #: 8365**

**Inside**

Press@RunDepth: 60.35 psig @ 4017.00 ft (KB)

Capacity: psig

Start Date: 2019.02.17

End Date:

2019.02.17

Last Calib.:

2019.02.17

Start Time: 14:15:01

End Time:

23:01:02

Time On Btm:

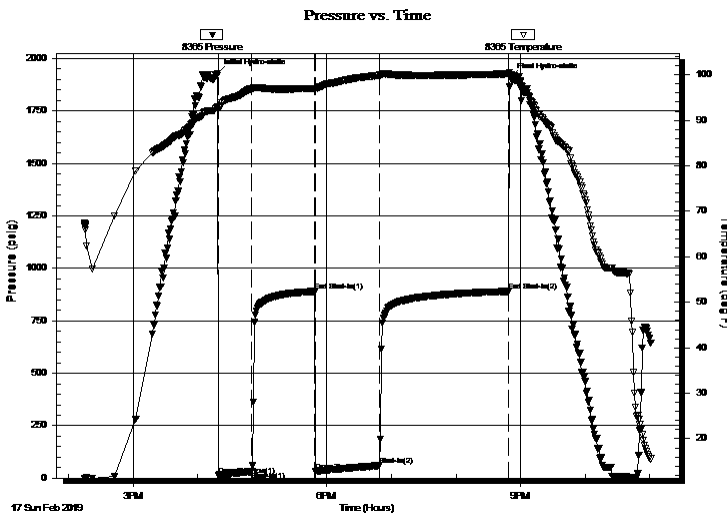
2019.02.17 @ 16:18:32

Time Off Btm:

2019.02.17 @ 20:50:17

TEST COMMENT: IF 30 Minutes/ Blow built to 9 inches  
 ISI 60 Minutes/ No blow back  
 FF 60 Minutes/ Blow built to 9 inches  
 FSI 120 Minutes/ No blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1929.34	92.91	Initial Hydro-static
1	15.04	92.67	Open To Flow (1)
32	31.42	96.91	Shut-In(1)
91	890.39	97.02	End Shut-In(1)
91	33.70	96.83	Open To Flow (2)
151	60.35	99.91	Shut-In(2)
271	890.27	100.25	End Shut-In(2)
272	1910.31	100.49	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	Clean Oil 100%	0.21
80.00	Mud w /skim oil/ Mud 100%	1.12

## Gas Rates

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



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Berexco LLC  
 2020 N Bramblewood  
 Wichita, Kansas  
 67206+1094  
 ATTN: Ed Grieves

**27/22S/34W/Finney**

**Bailey OE 3-27**

Job Ticket: 65096

**DST#: 2**

Test Start: 2019.02.17 @ 14:15:00

## GENERAL INFORMATION:

Formation: **Lansing H**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:19:17

Time Test Ended: 23:01:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 72 Scott City/ 70

Interval: **4016.00 ft (KB) To 4036.00 ft (KB) (TVD)**

Reference Elevations: 2955.00 ft (KB)

Total Depth: 4036.00 ft (KB) (TVD)

2940.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair

KB to GR/CF: 15.00 ft

**Serial #: 6752 Outside**

Press@RunDepth: 888.82 psig @ 4018.00 ft (KB)

Capacity: psig

Start Date: 2019.02.17

End Date:

2019.02.17

Last Calib.:

2019.02.17

Start Time:

14:15:01

End Time:

23:01:47

Time On Btm:

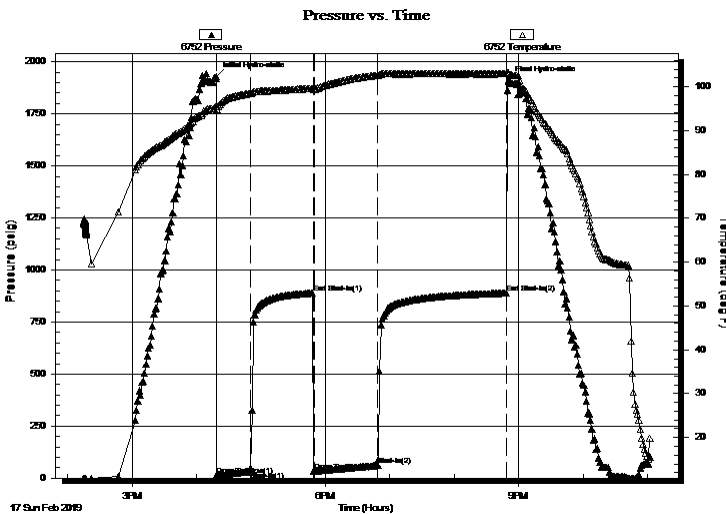
2019.02.17 @ 16:18:32

Time Off Btm:

2019.02.17 @ 20:50:17

TEST COMMENT: IF 30 Minutes/ Blow built to 9 inches  
 ISI 60 Minutes/ No blow back  
 FF 60 Minutes/ Blow built to 9 inches  
 FSI 120 Minutes/ No blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1928.69	95.55	Initial Hydro-static
1	13.83	94.88	Open To Flow (1)
32	32.24	98.48	Shut-In(1)
90	888.84	99.57	End Shut-In(1)
91	33.99	99.47	Open To Flow (2)
151	61.18	102.61	Shut-In(2)
270	888.82	102.98	End Shut-In(2)
272	1908.95	103.24	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	Clean Oil 100%	0.21
80.00	Mud w /skim oil/ Mud 100%	1.12

## Gas Rates

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



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TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Berexco LLC

**27/22S/34W/Finney**

2020 N Bramblewood  
Wichita, Kansas  
67206+1094  
ATTN: Ed Grieves

**Bailey OE 3-27**

Job Ticket: 65096

**DST#: 2**

Test Start: 2019.02.17 @ 14:15:00

## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 54.00 sec/qt  
Water Loss: 6.40 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 3800.00 ppm  
Filter Cake: 1.00 inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: 38 deg API  
Water Salinity: ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Clean Oil 100%	0.210
80.00	Mud w /skim oil/ Mud 100%	1.122

Total Length: 95.00 ft      Total Volume: 1.332 bbl

Num Fluid Samples: 0

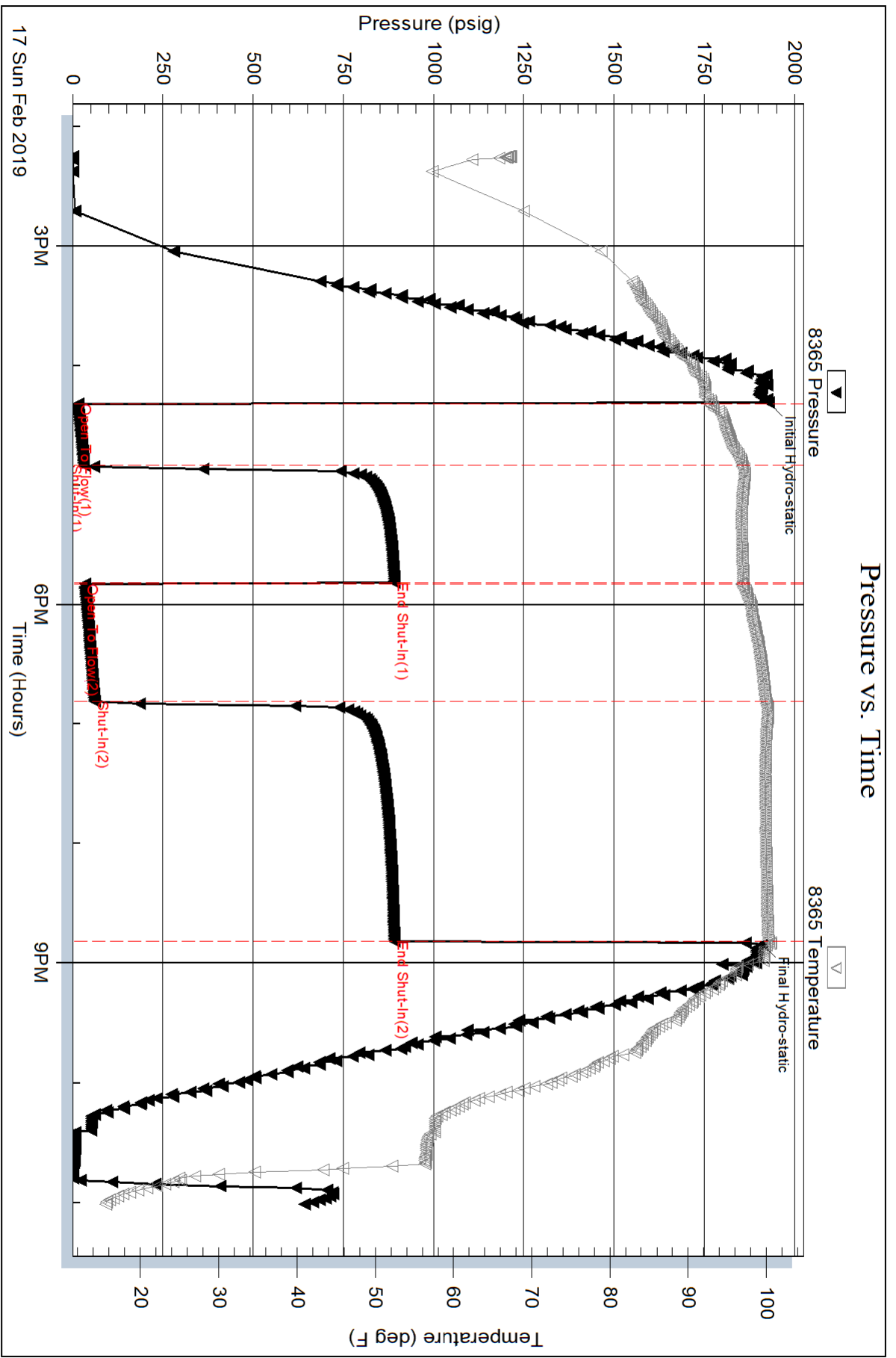
Num Gas Bombs: 0

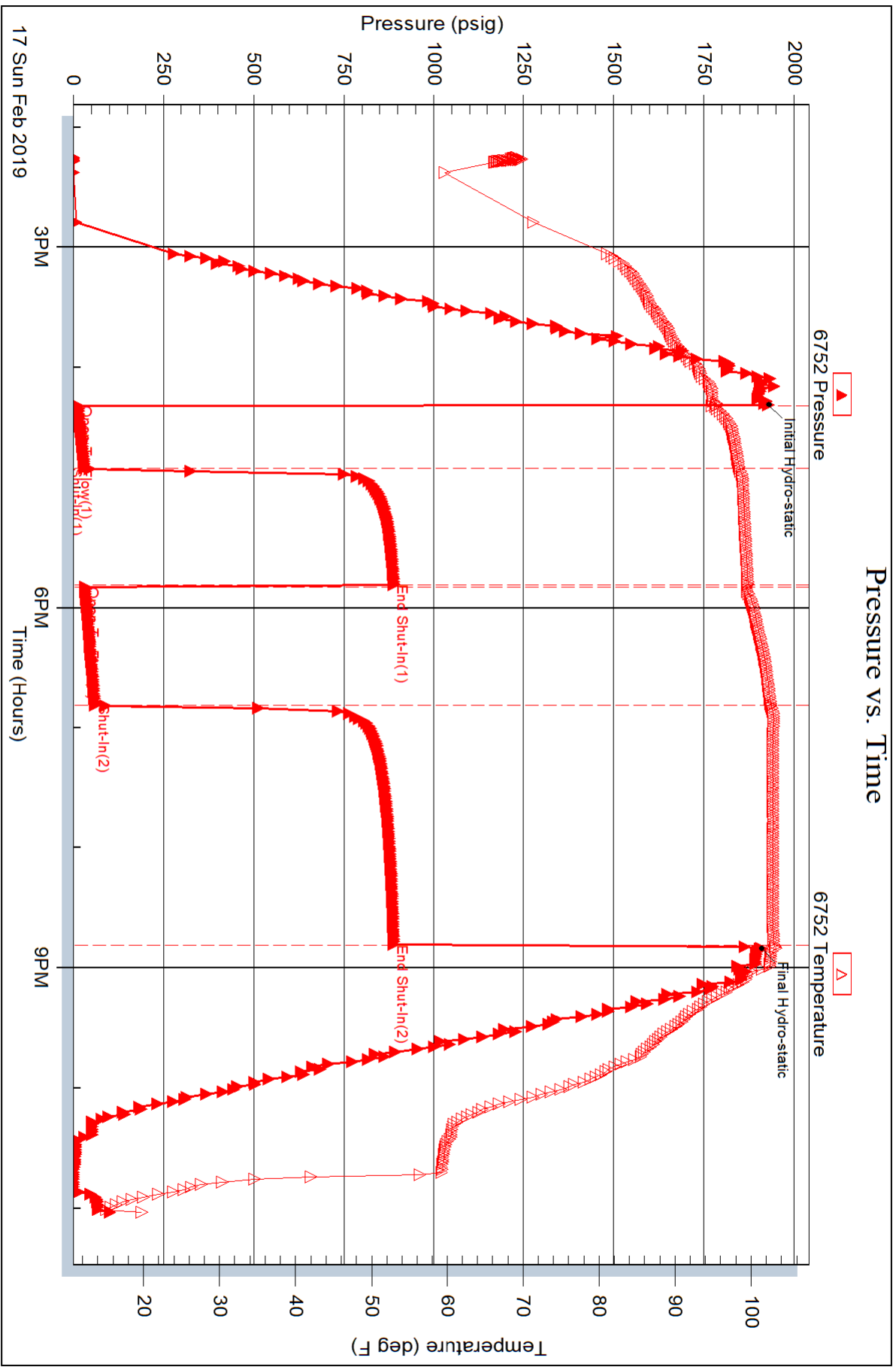
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







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TESTING, INC.**

# DRILL STEM TEST REPORT

Berexco LLC  
2020 N Bramblewood  
Wichita, Kansas  
67206+1094  
ATTN: Ed Grieves

**27/22S/34W/Finney**

**Bailey OE 3-27**

Job Ticket: 65097

**DST#: 3**

Test Start: 2019.02.18 @ 15:44:00

## GENERAL INFORMATION:

Formation: **Kansas City A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:04:02

Time Test Ended: 00:32:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 72 Scott City/ 70

**Interval: 4124.00 ft (KB) To 4148.00 ft (KB) (TVD)**

Reference Elevations: 2955.00 ft (KB)

Total Depth: 4148.00 ft (KB) (TVD)

2940.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair

KB to GR/CF: 15.00 ft

**Serial #: 8365**

**Inside**

Press@RunDepth: 15.17 psig @ 4125.00 ft (KB)

Capacity: psig

Start Date: 2019.02.18

End Date:

2019.02.19

Last Calib.:

2019.02.19

Start Time: 15:44:01

End Time:

00:32:02

Time On Btm:

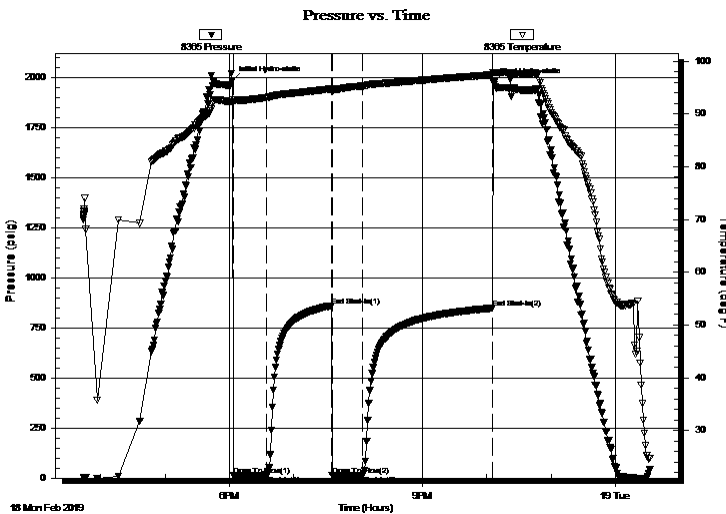
2019.02.18 @ 18:03:17

Time Off Btm:

2019.02.18 @ 22:06:32

TEST COMMENT: IF 30 Minutes/ Blow built to 3/8 inch  
ISI 60 Minutes/ No blow back  
FF 30 Minutes/ Dead no blow  
FSI 120 Minutes/ No blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1988.06	92.72	Initial Hydro-static
1	12.83	92.32	Open To Flow (1)
32	13.90	93.11	Shut-In(1)
92	861.36	94.70	End Shut-In(1)
93	14.87	94.52	Open To Flow (2)
121	15.17	95.29	Shut-In(2)
242	849.48	97.43	End Shut-In(2)
244	1977.35	97.81	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud w /skim oil/ Mud 100%	0.07

## Gas Rates

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



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Berexco LLC  
2020 N Bramblewood  
Wichita, Kansas  
67206+1094  
ATTN: Ed Grieves

**27/22S/34W/Finney**

**Bailey OE 3-27**

Job Ticket: 65097

**DST#: 3**

Test Start: 2019.02.18 @ 15:44:00

## GENERAL INFORMATION:

Formation: **Kansas City A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:04:02

Time Test Ended: 00:32:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 72 Scott City/ 70

Interval: **4124.00 ft (KB) To 4148.00 ft (KB) (TVD)**

Reference Elevations: 2955.00 ft (KB)

Total Depth: 4148.00 ft (KB) (TVD)

2940.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair

KB to GR/CF: 15.00 ft

**Serial #: 6752 Outside**

Press@RunDepth: 848.26 psig @ 4126.00 ft (KB)

Capacity: psig

Start Date: 2019.02.18

End Date:

2019.02.19

Last Calib.:

2019.02.19

Start Time: 15:44:01

End Time:

00:32:47

Time On Btm:

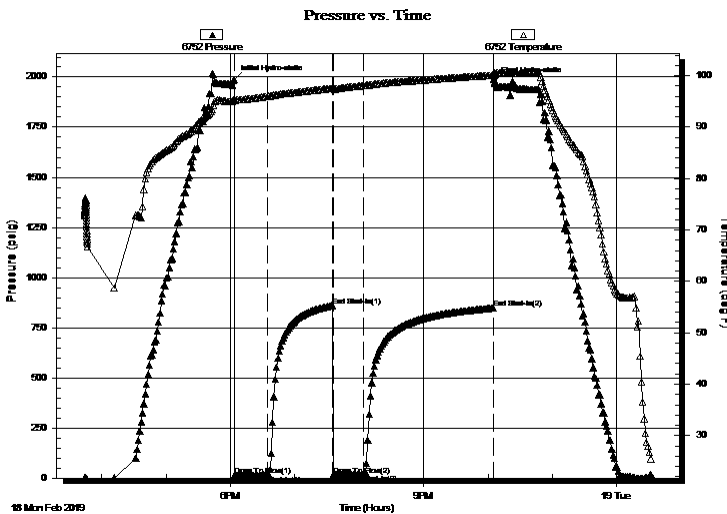
2019.02.18 @ 18:03:17

Time Off Btm:

2019.02.18 @ 22:06:32

TEST COMMENT: IF 30 Minutes/ Blow built to 3/8 inch  
ISI 60 Minutes/ No blow back  
FF 30 Minutes/ Dead no blow  
FSI 120 Minutes/ No blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1987.73	95.29	Initial Hydro-static
1	14.14	95.16	Open To Flow (1)
31	15.25	95.98	Shut-In(1)
92	860.68	97.50	End Shut-In(1)
93	16.15	97.46	Open To Flow (2)
121	16.84	98.08	Shut-In(2)
242	848.26	100.13	End Shut-In(2)
244	1975.11	100.48	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud w /skim oil/ Mud 100%	0.07

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Berexco LLC

**27/22S/34W/Finney**

2020 N Bramblewood  
Wichita, Kansas  
67206+1094  
ATTN: Ed Grieves

**Bailey OE 3-27**

Job Ticket: 65097

**DST#: 3**

Test Start: 2019.02.18 @ 15:44:00

## Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 46.00 sec/qt

Water Loss: 6.40 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud w /skim oil/ Mud 100%	0.070

Total Length: 5.00 ft      Total Volume: 0.070 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

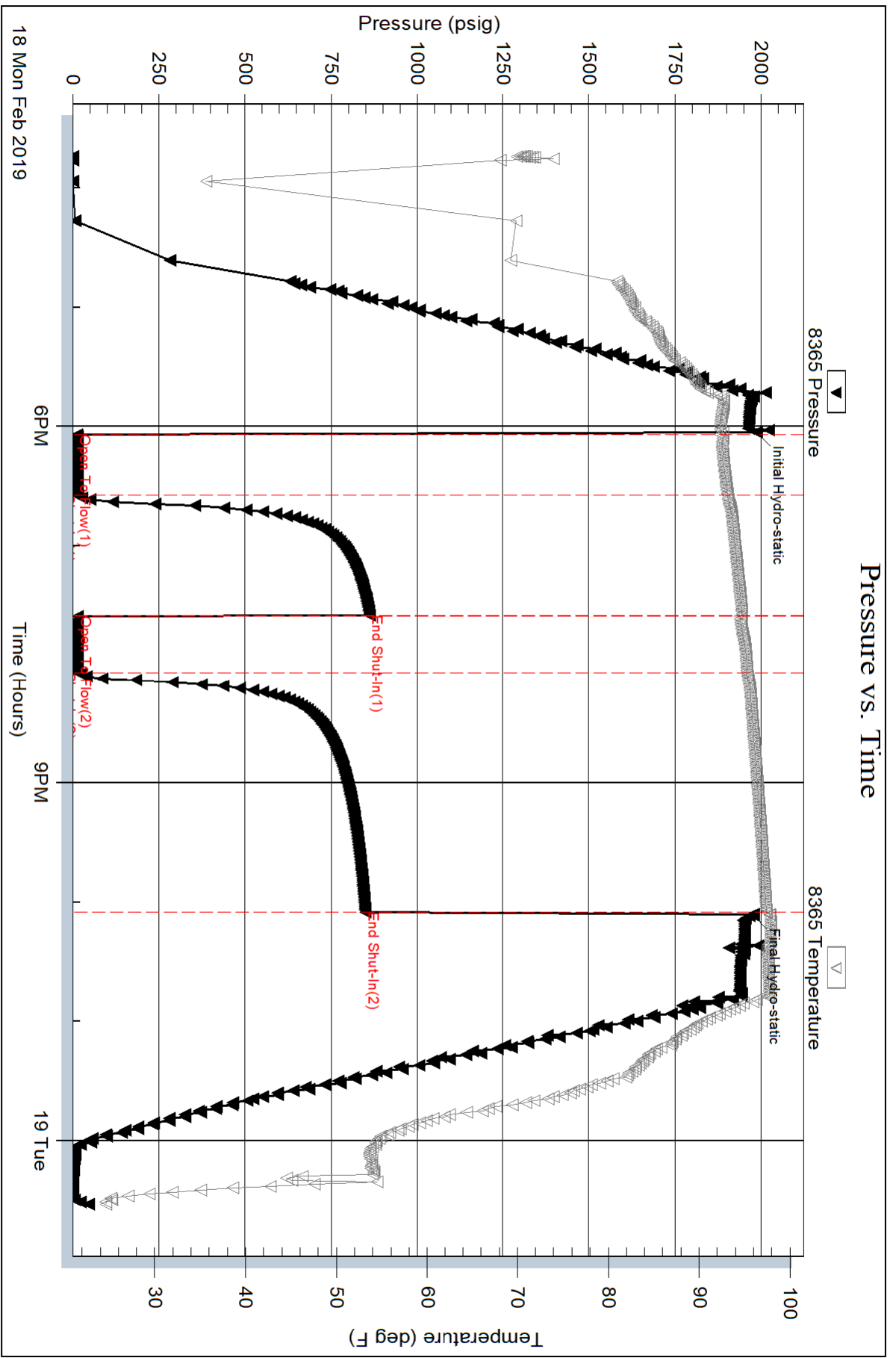
Serial #:

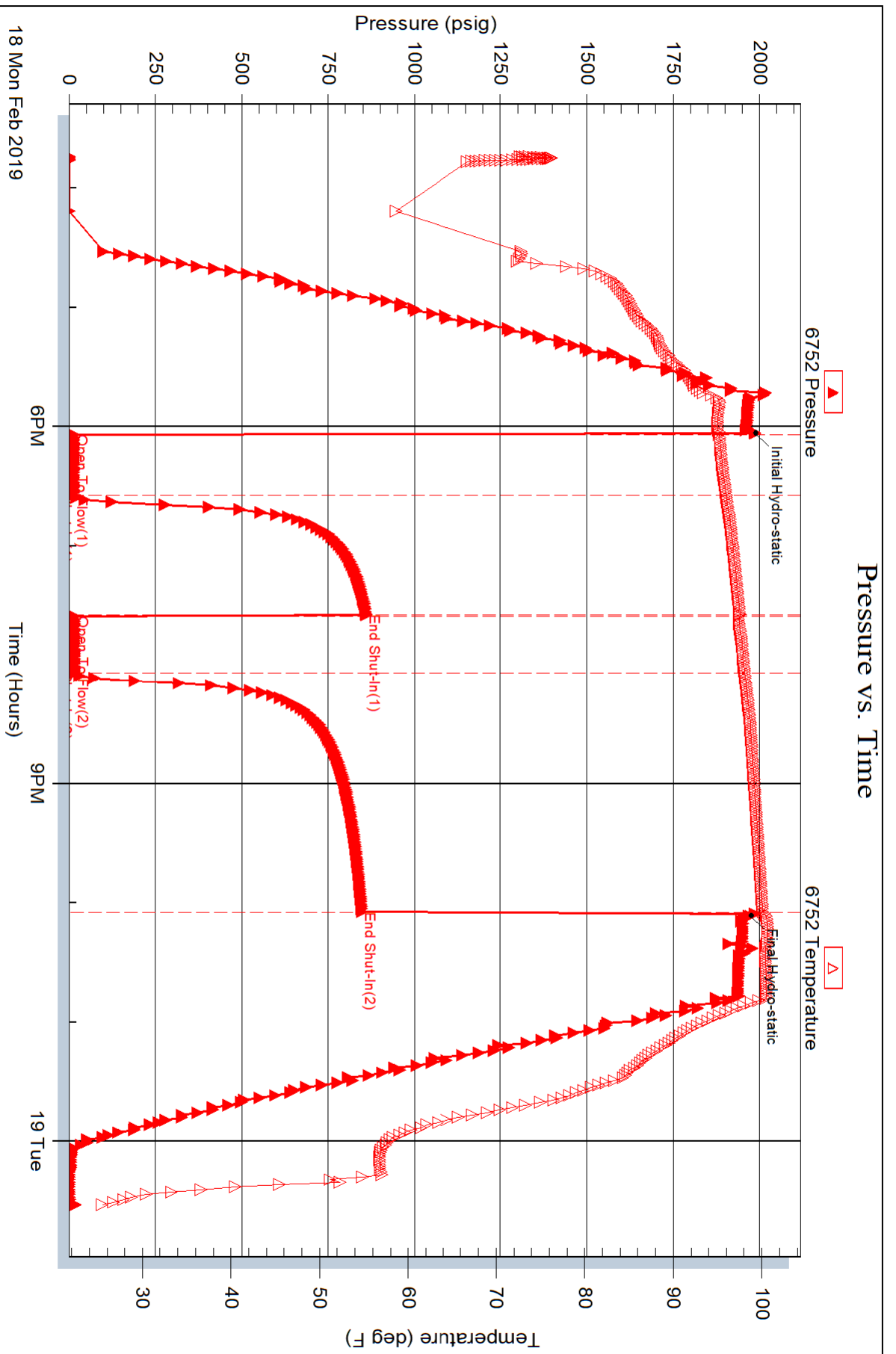
Laboratory Name:

Laboratory Location:

Recovery Comments:









**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Berexco LLC  
2020 N Bramblewood  
Wichita, Kansas  
67206+1094  
ATTN: Ed Grieves

**27/22S/34W/Finney**

**Bailey OE 3-27**

Job Ticket: 65098

**DST#: 4**

Test Start: 2019.02.19 @ 15:56:00

## GENERAL INFORMATION:

Formation: **Kansas City C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:10:32

Time Test Ended: 00:18:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 72 Scott City/ 70

**Interval: 4218.00 ft (KB) To 4228.00 ft (KB) (TVD)**

Reference Elevations: 2955.00 ft (KB)

Total Depth: 4228.00 ft (KB) (TVD)

2940.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair

KB to GR/CF: 15.00 ft

**Serial #: 8365**

**Inside**

Press@RunDepth: 18.94 psig @ 4219.00 ft (KB)

Capacity: psig

Start Date: 2019.02.19

End Date:

2019.02.20

Last Calib.:

2019.02.20

Start Time: 15:56:01

End Time:

00:18:02

Time On Btm:

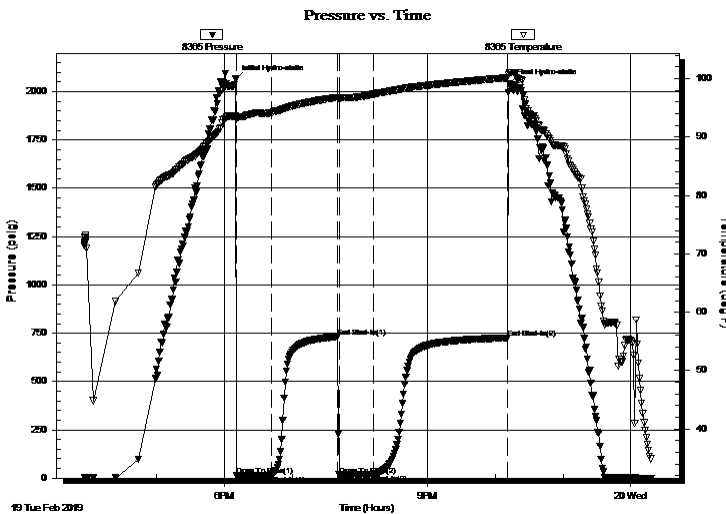
2019.02.19 @ 18:10:02

Time Off Btm:

2019.02.19 @ 22:12:47

**TEST COMMENT:** IF 30 Minutes/ Blow built to 2 1/2 inches  
ISI 60 Minutes/ No blow back  
FF 30 Minutes/ Dead no blow  
FSI 120 Minutes/ No blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2064.84	93.62	Initial Hydro-static
1	12.58	93.01	Open To Flow (1)
32	16.10	94.17	Shut-In(1)
91	731.88	96.77	End Shut-In(1)
92	16.59	96.57	Open To Flow (2)
122	18.94	97.35	Shut-In(2)
241	726.04	100.19	End Shut-In(2)
243	2042.93	101.03	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	Oil cut Mud/ O 10% M 90%	0.21

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Berexco LLC  
2020 N Bramble ood  
Wichita, Kansas  
67206+1094  
ATTN: Ed Grieves

**27/22S/34W/Finney**

**Bailey OE 3-27**

Job Ticket: 65098

**DST#: 4**

Test Start: 2019.02.19 @ 15:56:00

## GENERAL INFORMATION:

Formation: **Kansas City C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:10:32

Time Test Ended: 00:18:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 72 Scott City/ 70

**Interval: 4218.00 ft (KB) To 4228.00 ft (KB) (TVD)**

Reference Elevations: 2955.00 ft (KB)

Total Depth: 4228.00 ft (KB) (TVD)

2940.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair

KB to GR/CF: 15.00 ft

**Serial #: 6752 Outside**

Press@RunDepth: 725.21 psig @ 4220.00 ft (KB)

Capacity: psig

Start Date: 2019.02.19

End Date:

2019.02.20

Last Calib.:

2019.02.20

Start Time: 15:56:01

End Time:

00:17:02

Time On Btm:

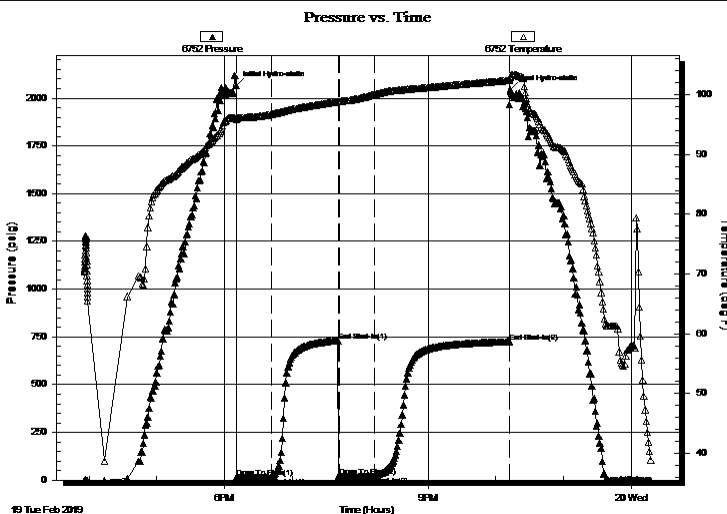
2019.02.19 @ 18:10:02

Time Off Btm:

2019.02.19 @ 22:12:47

TEST COMMENT: IF 30 Minutes/ Blow built to 2 1/2 inches  
ISI 60 Minutes/ No blow back  
FF 30 Minutes/ Dead no blow  
FSI 120 Minutes/ No blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2064.38	96.19	Initial Hydro-static
1	13.63	95.77	Open To Flow (1)
32	16.73	96.73	Shut-In(1)
91	730.71	98.82	End Shut-In(1)
92	17.88	98.82	Open To Flow (2)
123	20.71	100.05	Shut-In(2)
242	725.21	102.41	End Shut-In(2)
243	2046.07	102.97	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	Oil cut Mud/ O 10% M 90%	0.21

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Berexco LLC

**27/22S/34W/Finney**

2020 N Bramblewood  
Wichita, Kansas  
67206+1094  
ATTN: Ed Grieves

**Bailey OE 3-27**

Job Ticket: 65098

**DST#: 4**

Test Start: 2019.02.19 @ 15:56:00

## Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 51.00 sec/qt

Water Loss: 6.40 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 3600.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Oil cut Mud/ O 10% M 90%	0.210

Total Length: 15.00 ft      Total Volume: 0.210 bbl

Num Fluid Samples: 0

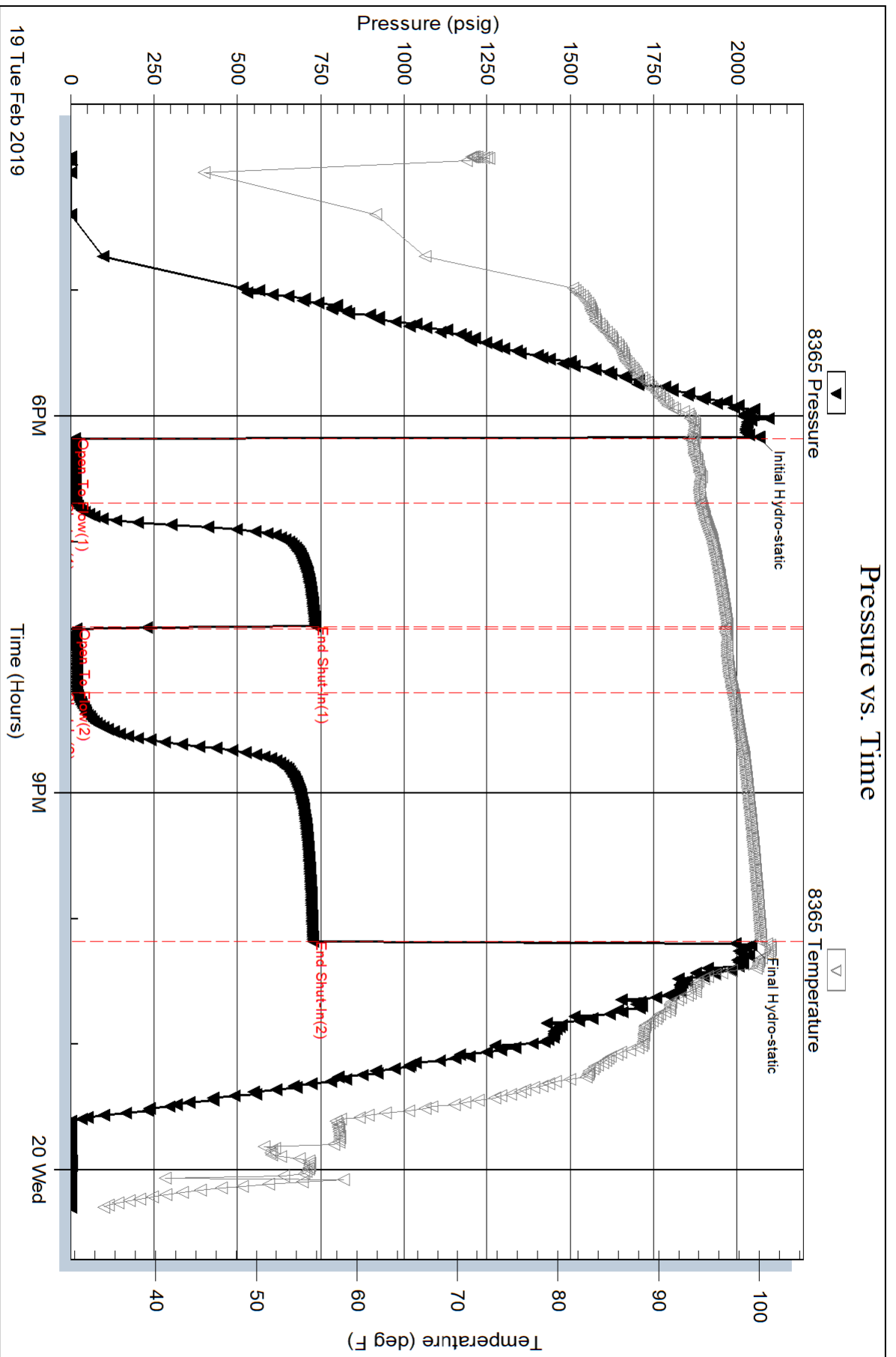
Num Gas Bombs: 0

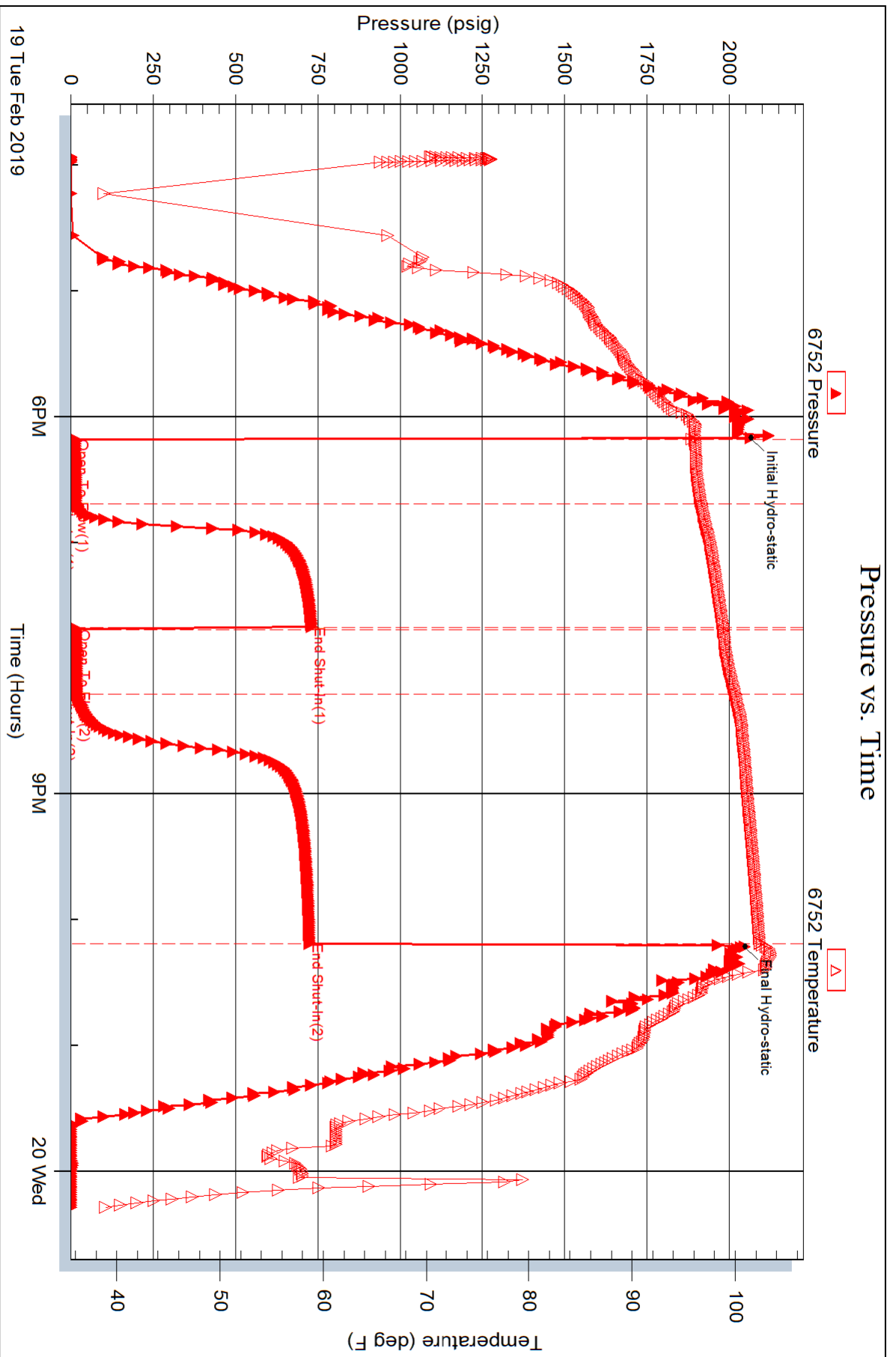
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Berexco LLC  
 2020 N Bramblewood  
 Wichita, Kansas  
 67206+1094  
 ATTN: Ed Grieves

**27/22S/34W/Finney**

**Bailey OE 3-27**

Job Ticket: 65099

**DST#: 5**

Test Start: 2019.02.22 @ 08:26:00

## GENERAL INFORMATION:

Formation: **Ft. Scott**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 10:50:32  
 Time Test Ended: 17:20:02  
 Interval: **4378.00 ft (KB) To 4400.00 ft (KB) (TVD)**  
 Total Depth: 4400.00 ft (KB) (TVD)  
 Hole Diameter: 7.80 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Ken Swinney  
 Unit No: 72 Scott City/ 70  
 Reference Elevations: 2955.00 ft (KB)  
 2940.00 ft (CF)  
 KB to GR/CF: 15.00 ft

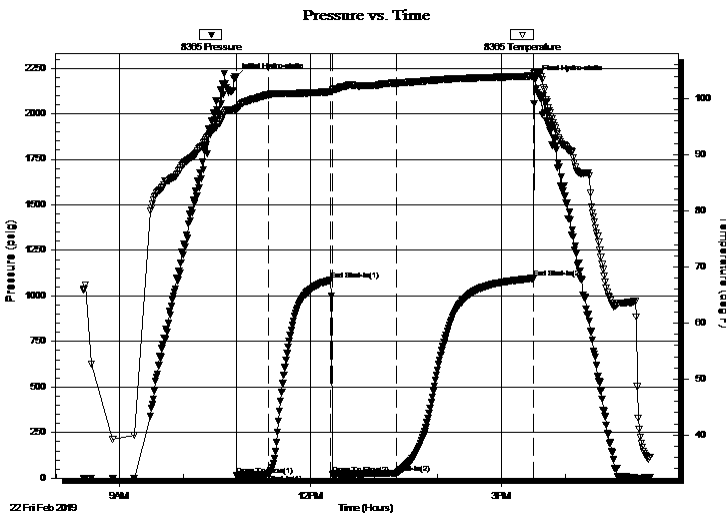
## Serial #: 8365

Inside

Press@RunDepth: 26.72 psig @ 4379.00 ft (KB) Capacity: psig  
 Start Date: 2019.02.22 End Date: 2019.02.22 Last Calib.: 2019.02.22  
 Start Time: 08:26:01 End Time: 17:20:02 Time On Btm: 2019.02.22 @ 10:49:17  
 Time Off Btm: 2019.02.22 @ 15:31:47

TEST COMMENT: IF 30 Minutes/ Blow built to 2 1/2 inches  
 ISI 60 Minutes/ No blow back  
 FF 60 Minutes/ Blow built to 9 1/2 inches  
 FSI 120 Minutes/ Light surface blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2197.35	98.11	Initial Hydro-static
2	15.21	98.11	Open To Flow (1)
31	19.80	100.69	Shut-In(1)
90	1087.46	101.26	End Shut-In(1)
92	19.21	101.52	Open To Flow (2)
152	26.72	102.78	Shut-In(2)
281	1096.50	104.09	End Shut-In(2)
283	2187.04	104.54	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	Oil cut Mud/ O 10% M 90%	0.42
0.00	60 foot GIP	0.00

## Gas Rates

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





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Berexco LLC  
 2020 N Bramblewood  
 Wichita, Kansas  
 67206+1094  
 ATTN: Ed Grieves

**27/22S/34W/Finney**

**Bailey OE 3-27**

Job Ticket: 65099

**DST#: 5**

Test Start: 2019.02.22 @ 08:26:00

## GENERAL INFORMATION:

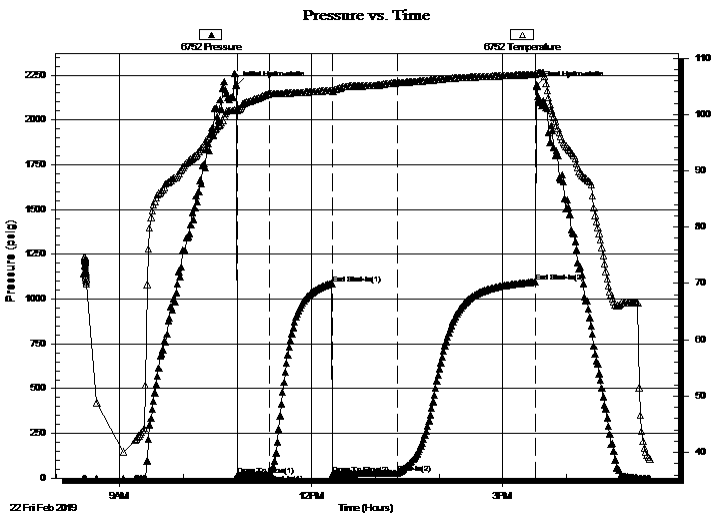
Formation: **Ft. Scott**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 10:50:32  
 Time Test Ended: 17:20:02  
 Interval: **4378.00 ft (KB) To 4400.00 ft (KB) (TVD)**  
 Total Depth: 4400.00 ft (KB) (TVD)  
 Hole Diameter: 7.80 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Ken Swinney  
 Unit No: 72 Scott City/ 70  
 Reference Elevations: 2955.00 ft (KB)  
 2940.00 ft (CF)  
 KB to GR/CF: 15.00 ft

**Serial #: 6752 Outside**

Press@RunDepth: 1095.46 psig @ 4380.00 ft (KB) Capacity: psig  
 Start Date: 2019.02.22 End Date: 2019.02.22 Last Calib.: 2019.02.22  
 Start Time: 08:26:01 End Time: 17:18:47 Time On Btm: 2019.02.22 @ 10:49:47  
 Time Off Btm: 2019.02.22 @ 15:32:02

TEST COMMENT: IF 30 Minutes/ Blow built to 2 1/2 inches  
 ISI 60 Minutes/ No blow back  
 FF 60 Minutes/ Blow built to 9 1/2 inches  
 FSI 120 Minutes/ Light surface blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2192.69	100.95	Initial Hydro-static
1	15.64	100.77	Open To Flow (1)
31	20.86	103.63	Shut-In(1)
90	1086.80	104.26	End Shut-In(1)
91	19.42	104.15	Open To Flow (2)
152	27.89	105.59	Shut-In(2)
281	1095.46	107.09	End Shut-In(2)
283	2189.01	107.31	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	Oil cut Mud/ O 10% M 90%	0.42
0.00	60 foot GIP	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Berexco LLC

**27/22S/34W/Finney**

2020 N Bramblewood  
Wichita, Kansas  
67206+1094  
ATTN: Ed Grieves

**Bailey OE 3-27**

Job Ticket: 65099

**DST#: 5**

Test Start: 2019.02.22 @ 08:26:00

## Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 45.00 sec/qt

Water Loss: 6.40 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Oil cut Mud/ O 10% M 90%	0.421
0.00	60 foot GIP	0.000

Total Length: 30.00 ft      Total Volume: 0.421 bbl

Num Fluid Samples: 0

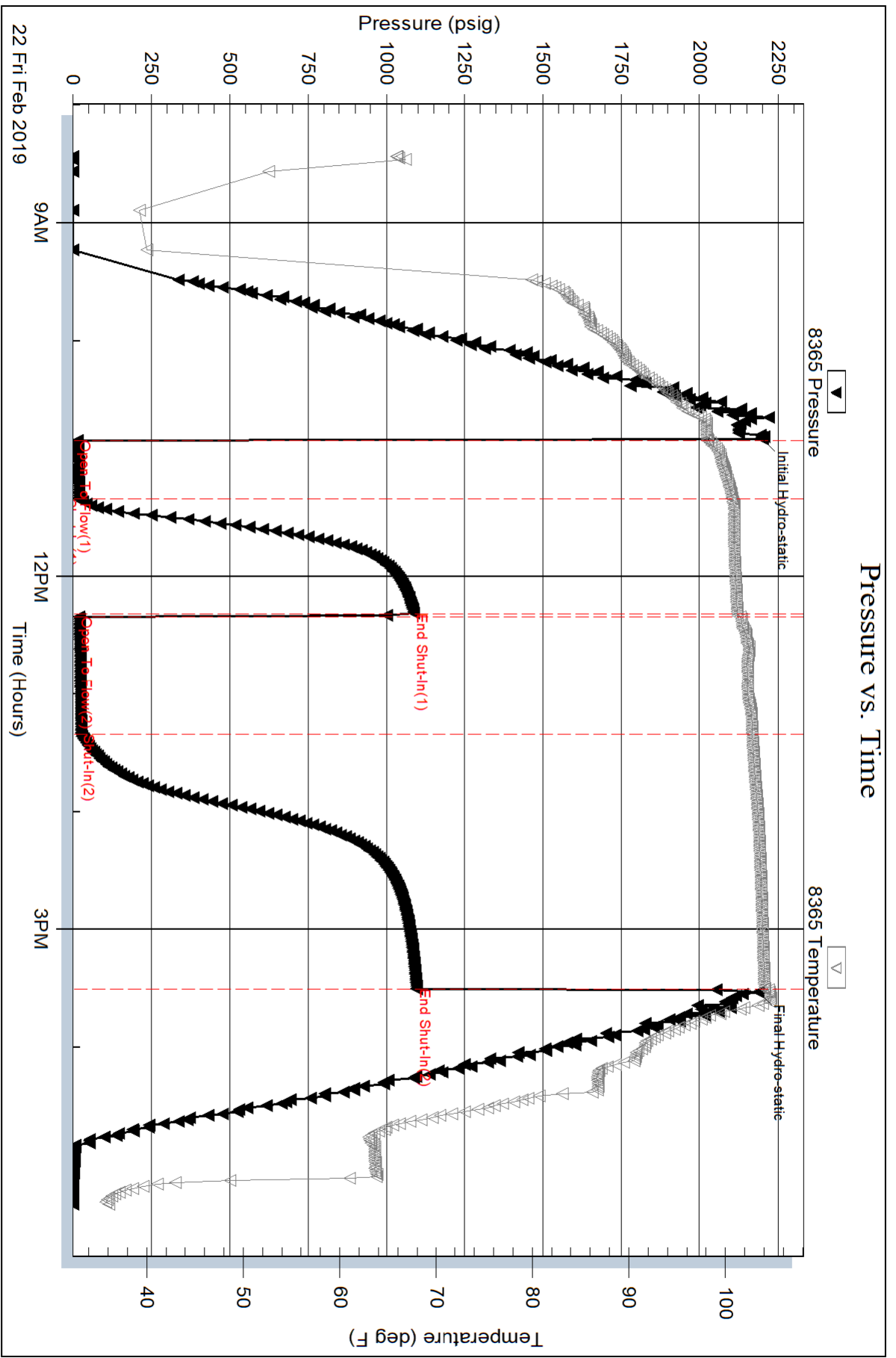
Num Gas Bombs: 0

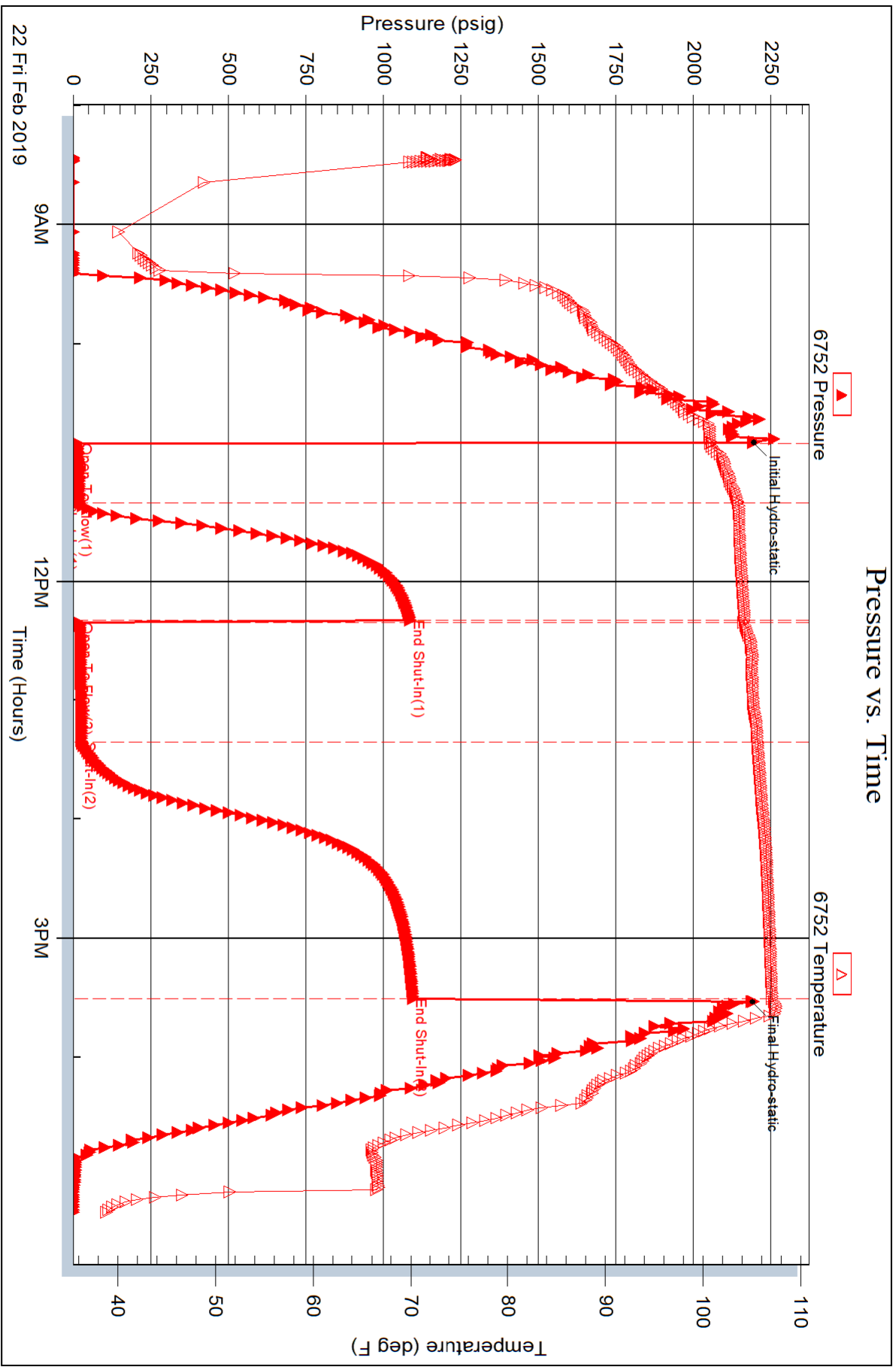
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







MF

FEB 14 2019

PAGE	CUST NO	YARD #	INVOICE DATE
1 of 1	1000335	1718	02/12/2019
<i>CC</i>		INVOICE NUMBER	
		92908504	

Pratt (620) 672-1201  
 B BEREXCO LLC  
 I 2020 N BRAMBLEWOOD  
 L L WICHITA  
 T KS US 67206  
 O ATTN: VICKEY LOVETTE

J LEASE NAME BAILEY OE 3-27  
 O LOCATION  
 B COUNTY FINNEY  
 S STATE KS  
 I JOB DESCRIPTION Cement-New Well Casing/Pi  
 T E JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
41160511	19570		Net - 30 days	03/14/2019
<b>For Service Dates: 02/11/2019 to 02/11/2019</b>				
0041160511		171819351L Cement-New Well Casing/Pi 02/11/2019 CEMENT SURFACE CASING		
A-Serv Lite				
150 SK Premium Plus Cement	625.00 EA		7.41	4,631.25 T
1914 LBS Calcium Chloride	1.00 EA		1,393.65	1,393.65 T
194 LBS Celloflake	1.00 LB		1,145.53	1,145.53 T
Guide Shoe - Regular, 8 5/8" (Blue)	1.00 LB		409.15	409.15 T
Flapper Type Insert Float Valves. 8 5/8"	1.00 EA		380.00	380.00
Centralizer, 8 5/8" (Blue)	1.00 EA		280.00	280.00
Top Rubber Cement Plug, 8 5/8"	3.00 EA		90.00	270.00
180 Heavy Equipment Mileage	1.00 EA		225.00	225.00
Blending & Mixing Service Charge	1.00 MI		769.50	769.50
Proppant & Bulk Del. Chgs., per ton mil	1.00 SK		634.38	634.38
Depth Charge; 1001'-2000'	1.00 EA		2,928.38	2,928.38
Plug Container Utilization Charge	1.00 EA		855.00	855.00
60 "Unit Mileage Chg (PU, cars one way)"	1.00 EA		142.50	142.50
"Service Supervisor, first 8 hrs on loc.	1.00 MI		153.90	153.90
Cement Data Acquisition Monitor	1.00 EA		99.75	99.75
	1.00 EA		313.50	313.50
<i>BCP</i>				
<i>per bid</i>				
			<b>SUB TOTAL</b>	14,631.49
			<b>TAX</b>	602.58
			<b>INVOICE TOTAL</b>	15,234.07

PLEASE REMIT TO: SEND OTHER CORRESPONDENCE TO:

BASIC ENERGY SERVICES, LP  
 PO BOX 841903  
 DALLAS, TX 75284-1903

BASIC ENERGY SERVICES, LP  
 801 CHERRY ST, STE 2100  
 FORT WORTH, TX 76102







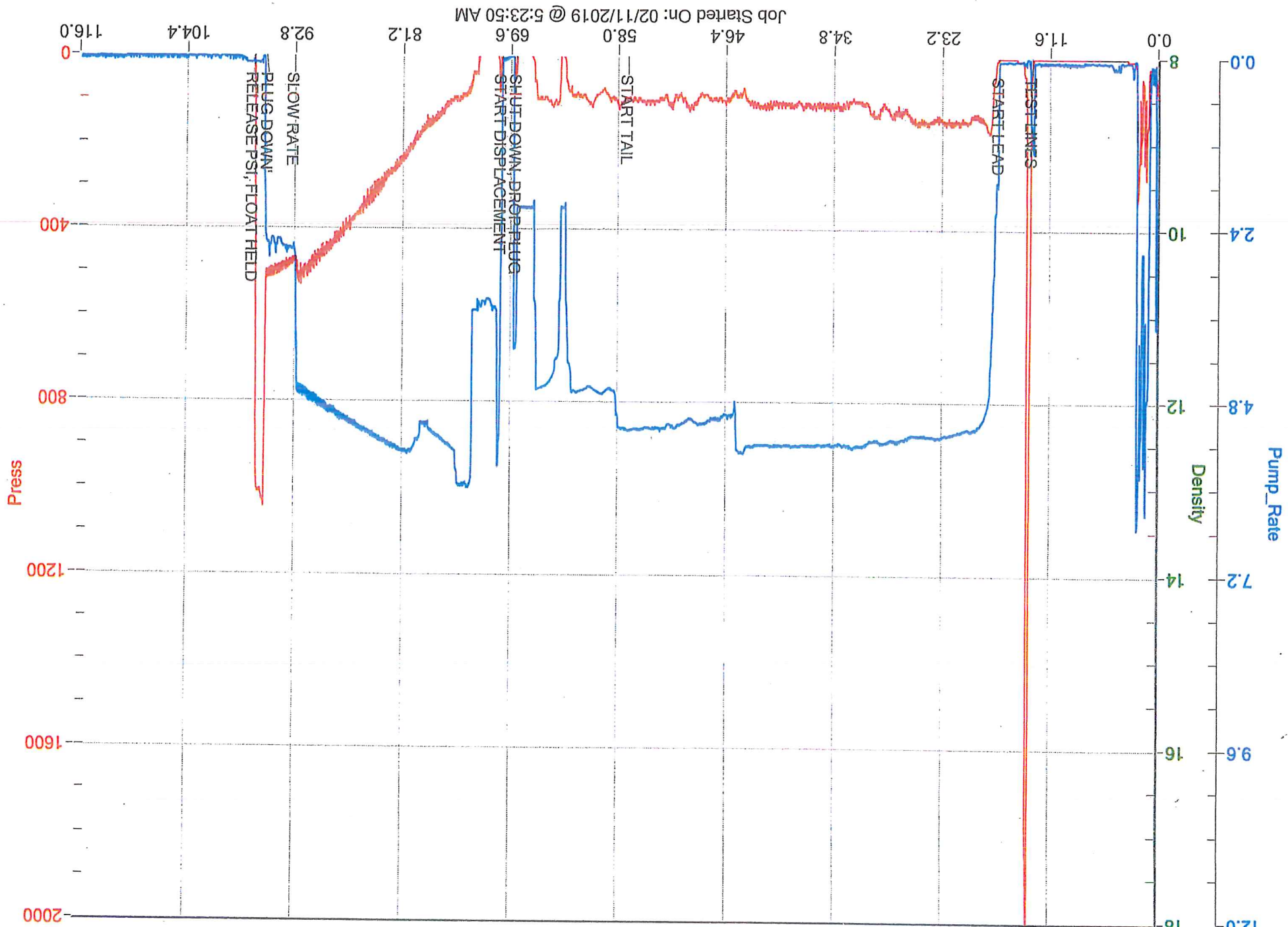
Liberal Yard #1717 - Phone 620-624-2277 - 1700 S. Country Estates Road, Liberal KS 67901

# PRESSURE PUMPING

## Job Log

<b>Customer:</b> Berexco Inc		<b>Cement Pump No.:</b> 38119-19570		<b>Operator TRK No.:</b> 96815	
<b>Address:</b> 2020 N BRAMBLEWOOD		<b>Ticket #:</b> 1718-19351		<b>Bulk TRK No.:</b> 14355-37724	
<b>City, State, Zip:</b> WICHITA KS 67206		<b>Job Type:</b> Z42 - Cement Surface Casing			
<b>Service District:</b>		<b>Well Type:</b> OIL			
<b>Well Name and No.:</b>		<b>Well Location:</b> 27,22,34		<b>County:</b>	<b>State:</b> KS
<b>Type of Cmt</b>	<b>Sacks</b>	<b>Additives</b>		<b>Truck Loaded On</b>	
A -SERV LITE	625	3%CaCl, 1/4#POLYFLAKE		14355-37724	Front
PREMIUM PLUS	150	2%CaCl, 1/4# POLYFLAKE		19827-19808	Front
					Front
					Back
<b>Lead/Tail:</b>		<b>Water Requirements</b>		<b>CU. FT.</b> <b>Man Hours / Personnel</b>	
<b>Lead:</b>	Weight #1 Gal. 12.3	11.52		1300	Man Hours: 36
<b>Tail:</b>	14.8	6.33		201	# of Men on Job: 3
<b>Time (am/pm)</b>	<b>Volume (BBLs)</b>	<b>Pumps</b>	<b>Pressure(PSI)</b>	<b>Description of Operation and Materials</b>	
		<b>T</b>	<b>C</b>	<b>Tubing</b>	<b>Casing</b>
23:30					ON LOC, 2/10/19
5:35				2000	TEST LINES
5:38 AM	5			150	START LEAD @ 12.3#
6:19 AM	5			100	START TAIL @ 14.8#
6:32 AM	35.8				SHUT DOWN, DROP PLUG
6:33	5				START DISPLACEMENT, WASHUP
6:55	2.5			470	SLOW RATE
6:59 AM	111			500-1000	PLUG DOWN
7:02					RELEASE PSI, FLOAT HELD
					JOB COMPLETE
					THANK YOU FOR YOUR BUSINESS!!!
<b>Size Hole</b>	12 1/4	<b>Depth</b>	1790'		
<b>Size &amp; Wt. Csg.</b>	8 5/8 23	<b>Depth</b>	1790'	<b>New / Used</b>	
<b>tbgs.</b>		<b>Depth</b>		<b>Retainer</b>	<b>Depth</b>
<b>Top Plugs</b>		<b>Type</b>		<b>Perfs</b>	<b>CIBP</b>
<b>Customer Signature:</b> 		<b>Basic Representative:</b>		CHAD HINZ	
<b>Basic Signature:</b>		<b>Basic Signature:</b>			
<b>Date of Service:</b>		<b>Date of Service:</b>		2/11/2019	

# BEREXCO BAILEY O/E





MAR 04 2019



mf

PAGE 1 of 2	CUST NO 1000335	YARD # 1718	INVOICE DATE 02/27/2019
INVOICE NUMBER 92919840			

Pratt (620) 672-1201  
 B BEREXCO LLC  
 I 2020 N BRAMBLEWOOD  
 L WICHITA  
 L KS US 67206  
 T  
 O ATTN: VICKEY LOVETTE

J LEASE NAME Bailey OE #3-<sup>27</sup>  
 O LOCATION  
 B COUNTY Finney  
 S STATE KS  
 I JOB DESCRIPTION Cement-New Well Casing/Pi  
 T JOB CONTACT  
 E

JOB #	EQUIPMENT #	PURCHASE ORDER NO.		TERMS	DUE DATE
41163065				Net - 30 days	03/29/2019
		QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 02/26/2019 to 02/26/2019</i>					
0041163065					
171817751A Cement-New Well Casing/Pi 02/26/2019					
5 1/2" Production Casing					
A-Con' Blend					
AA2 Cement					
A-Con' Blend					
AA2 Cement					
Calcium Chloride					
Celloflake					
Gypsum					
C-17					
C-41P					
1172 Lb. - Gilsonite					
Salt					
Two Stage Cement Collar, 5 1/2" (Red)					
5 1/2" Latch Down Plug & Assembly (Red)					
Auto Fill Float Shoe 5 1/2" (Blue)					
Turbolizer, 5 1/2" (Blue)					
5 1/2" Basket (Blue)					
Heavy Equipment Mileage					
Blending & Mixing Service Charge					
Proppant & Bulk Del. Chgs., per ton mil					
Depth Charge; 4001'-5000'					
Additional Stage Charge					
Plug Container Utilization Charge					
"Unit Mileage Chg (PU, cars one way)"					
"Service Supervisor, first 8 hrs on loc.					



PAGE 2 of 2	CUST NO 1000335	YARD # 1718	INVOICE DATE 02/27/2019
INVOICE NUMBER <b>92919840</b>			

Pratt (620) 672-1201  
 B BEREXCO LLC  
 I 2020 N BRAMBLEWOOD  
 L WICHITA  
 T KS US 67206  
 O ATTN: VICKEY LOVETTE

J LEASE NAME Bailey OE #3-29  
 O LOCATION  
 B COUNTY Finney  
 S STATE KS  
 I JOB DESCRIPTION Cement-New Well Casing/Pi  
 T JOB CONTACT  
 E

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
41163065			Net - 30 days	03/29/2019

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
Cement Data Acquisition Monitor	1.00	EA	330.00	330.00

*per bnd  
ACIP*

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	27,362.38
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	761.31
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	28,123.69
DALLAS, TX 75284-1903	FORT WORTH, TX 76102		



**BASIC**<sup>SM</sup>  
ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

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

*TMH-83*

FIELD SERVICE TICKET  
1718 17751 A

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

DATE OF JOB <i>2-26-19</i> DISTRICT <i>Pratt Kansas</i>		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 <i>Berexco llc</i>		LEASE <i>Bailey OF</i> WELL NO. <i>327</i>							
ADDRESS		COUNTY <i>Finner</i> STATE <i>Kansas</i>							
CITY STATE		SERVICE CREW <i>Fennis, Mike</i>							
AUTHORIZED BY		JOB TYPE: <i>5 1/2 Production casing 2-42</i>							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
<i>86779</i>	<i>8.75</i>						<i>2-25-19</i>	<i>PM</i>	<i>2300</i>
<i>19806</i>	<i>8.75</i>					ARRIVED AT JOB	<i>2-26-19</i>	<i>AM</i>	<i>0200</i>
<i>14663</i>	<i>8.75</i>					START OPERATION		<i>AM</i>	<i>1600</i>
						FINISH OPERATION	<i>2-27-19</i>	<i>PM</i>	<i>0045</i>
						RELEASED		<i>AM</i>	<i>0130</i>
						MILES FROM STATION TO WELL			<i>60</i>

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
CL101	A-CON Blend	SK	60		1116 00
CL105	AA2 cement	SK	185		3367 00
CL101	A-CON Blend	SK	250		4650 00
CL105	AA2 cement	SK	50		910 00
CC109	Calcium chloride	lb	876		919 60
CC102	Celloflock	lb	78		288 60
CC113	Gypsum	lb	1105		828 75
CC148	C-17	lb	111		7220 00
CC105	C-41 P	lb	56		224 00
CC201	Gilsonite	lb	1172		785 24
CC111	Salt	lb	1302		651 00
CF401	5 1/2 2 stage cement collar (Red)	EA	1		6100 00
CF601	5 1/2 latch down plug & assembly (Red)	EA	1		1054 85
CF1251	5 1/2 Auto Fill float shoe (Blue)	EA	1		360 00
CF1651	5 1/2 Tuckalizer (Blue)	EA	18		1980 00
CF1901	5 1/2 Basket (Blue)	EA	4		1160 00
E101	Heavy equipment mileage	Mi	180		1350 00
CE240	Blend & mixing service charge	SK	545		763 00
K113	Brick delivery charge per ton mile	Ton	1539		3847 50
SUB TOTAL					<i>38500 71</i>

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
<i>Discount</i>		TOTAL <i>27362 38</i>

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. \_\_\_\_\_



1st Stage

Customer Bereznolle	Lease No.	Date 2-26-19
Lease Bailey OF	Well # 3-27	
Field Order # 17751	Station Pratt Kansas 1716	Casing 5 1/2
Type Job 5 1/2 Production casing 2-42	Depth 4841	County Finney
	Formation	State KS
		Legal Description 27-22S-34W

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
5 1/2							
Depth 4841	Depth	From	To	Pre Pad	Max		5 Min.
Volume 115	Volume	From	To	Pad	Min		10 Min.
Max Press 2000	Max Press	From	To	Frac	Avg		15 Min.
Well Connection 8.5	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative Brett Blazes	Station Manager Justin Westerman	Treater Fennis Garding
Service Units 76868 87686 86779 19827 19808 27808 11883		
Driver Names Fennis Mille Mille SAM SAM SAM SAM		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
0200					Arrived on location / Safety meeting
0230					Rig up equipment
					Total Pipe Ram 4841.08' shoe-42.10'
					Baskets-3ts-7,15,21,34
					Turbidness-5ts-1,3,5,7,9,11,13,15,17,19,21
					23,25,27,29,31,33,40
					DV Tool 39-3200'
1508	750				Drop Ball, Blow seat
1645	220		5	5	Pump H2O spacer 1st stage
1650	140		31.5	6	mix 60' A-con @ 11.5pphr
1655	140		0	5	Start AA2 @ 14.8pphr
1706	220		25	5	14.5' AA2 away @ 14.8pphr
1715	200		50	5	18.5' AA2 away @ 14.8pphr S/D
1720	100		0	6	Wash Pumps + Lines
1725	100		38	6	Drop plug start H2O displacement
1732	300		76	6	Swap to mud displacement
1737	600		104	3	Caught lift Pressure
1739	1500		113.5	3	slow to land plug
1745					land plug / check floats / floats OK
1815	800		10	3	Drop opening Tool
					Open DV tool establish circulation

2nd  
STAGE

## TREATMENT REPORT

Customer Bresco HC	Lease No.	Date 2-26-19
Lease Bailey OF	Well # 3-27	
Field Order # 1716	Station Pratt Kansas 1716	Casing 5 1/2
	Depth 4691	County Finney
Type Job 5 1/2 2 stage production casing 242	Formation	State KS
		Legal Description 27-22-34W

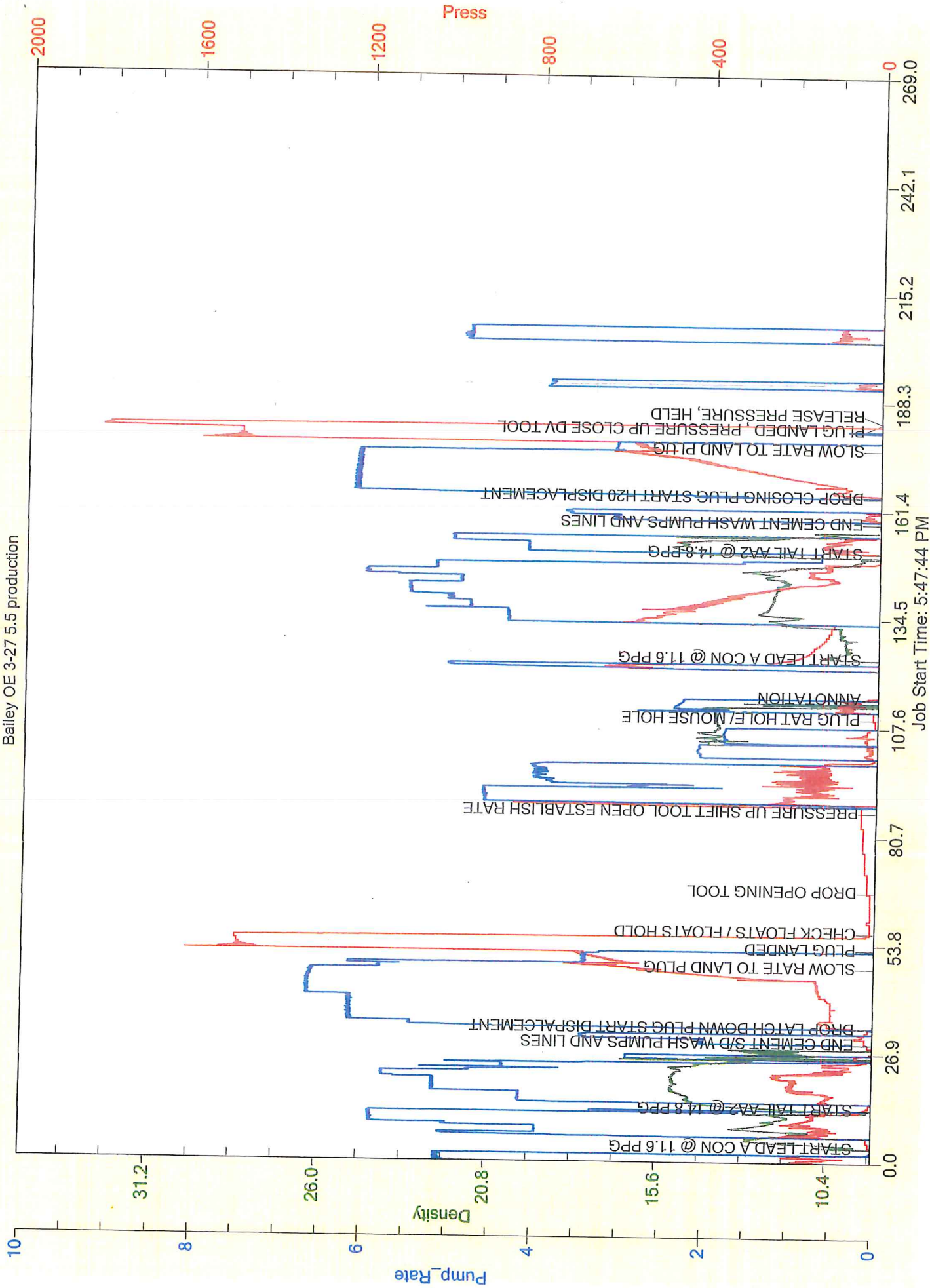
PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
5 1/2								
Depth 4691	Depth	From	To	Pre Pad	Max		5 Min.	
Volume 115	Volume	From	To	Pad	Min		10 Min.	
Max Press 2000	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection 6 in	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative Brett Blazer	Station Manager SUSAN Westerman	Treater Fennis Cardina
Service Units 75808 7636 8677 19827 19808 27808 19883		
Driver Names Fennis Mike Mike SAM SAM SAM SAM		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
2340	80		12	3	Plug RH-305 MN-205
2415	590		05	5	Pump W20 Ahead
2350	580		0	4	Start A-con @ 11.5 pph
0005	110		52	5	1000' A-con away @ 14.5 pph
0015	120		105	5	2000' A-con away @ 11.5 pph
0020	120		14	5	<del>500' M.X. 50' AR2 @ 14.5 pph</del>
0025					S/D Wash Pumps & Lines
0030	760		0	6	Drop Plug Start W20 Displacement
0036	400		50	8	Start W20 Pressure
0040	510		66	13	Slow to Land Plug
0045	1800		76	3	Land Plug / Shut DU Tool
0050					Bleedoff, held.
0130					Rig down, Leave location
					did not circulate ce
					2nd stage - HOT
					Hbl-2746.93 TOL-1
					White River Circle
					Stages 205' cer
					To P.H.

# Berexco Ilc

Bailey OE 3-27 5.5 production



COMPANY Bereco LLC  
 LEASE Bailey OE NO. 3-27  
 LOCATION 1490'FWL + 983'FWL  
 SEC. 27 TWP. 22S RNG. 34W  
 COUNTY Finney STATE Kansas  
 FIELD Amazon Ditch East

ELEVATIONS  
 KB 2952  
 DF 2942  
 GL 2940  
 MEASUREMENTS ARE ALL FROM KB

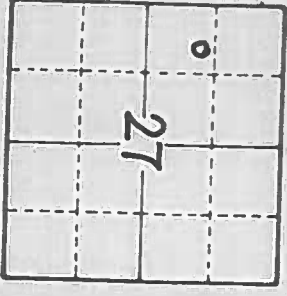
CONTRACTOR Bereco Dalg. Rig #1  
 COMM. 2-6-2019 COMP. 2-25-2019  
 RTD 4850 LTD \_\_\_\_\_  
 No. of DST'S 5 No. of CORES None

CASING RECORD  
 8 1/2" 11 1/4" W/ 7/16" SX.  
 6" \_\_\_\_\_ W/ \_\_\_\_\_ SX.  
 4" \_\_\_\_\_ W/ \_\_\_\_\_ SX.  
 3" \_\_\_\_\_ W/ \_\_\_\_\_ SX.  
 EL. LOG \_\_\_\_\_

SAMPLES SAVED FROM 3600 TO TD  
 DRILLING TIME KEPT FROM 3600 TO TD  
 SAMPLES EXAMINED FROM 3600 TO TD  
 GEOLOGICAL SUPERVISION FROM 3600 TO TD  
 GEOLOGIST ON WELL Edwin H. Grieves

FORMATION TOPS

FORMATION TOPS	SAMPLE	LOG	SUBSEA
<u>Base Hecker</u>	<u>3742</u>		
<u>Toronto</u>	<u>3768</u>		
<u>Lansing Em.</u>	<u>3806</u>		
<u>Kansas City Em.</u>	<u>4133</u>		
<u>BKC</u>	<u>4252</u>		
<u>Marmaton</u>	<u>4272</u>		
<u>Paynee</u>	<u>4360</u>		
<u>Et Scott</u>	<u>4382</u>		
<u>Cherokee</u>	<u>4403</u>		
<u>Marlow</u>	<u>4597</u>		
<u>St. Louis</u>	<u>4661</u>		
<u>TD</u>	<u>4850</u>		



API# 15-055-22512

REMARKS Earth-Tech had an unmanned gas detection unit on this well from 3600 feet to total depth.

Note: There is a ten foot upward depth correction that needs to be made due to pipe measurement error.

*Thanks Edwin H. Grieves Geologist*

ITHOLOGY

- SANDSTONE
- LIMESTONE
- SHALE
- CHERT

- SILTSTONE
- DOLOMITE
- GRANITE WASH
- MUD & GYP

CHROMATOGRAPH

HOT WIRE BY TOTAL GAS VOLUME

- C1 = METHANE
- C2 = ETHANE
- C3 = PROPANE
- C4 = ISOBUTANE
- C5 = BUTANE
- C6 = ISOPENTANE
- C7 = PENTANE

DRILL TIME SCALE

SAMPLE DESCRIPTION

GAS SCALE





LITHOLOGY

SANDSTONE  
LIMESTONE  
SHALE  
CHERT

SLTSTONE  
DOLOMITE  
GRANITE WASH  
ANHY & GYP

CHROMATOGRAPH

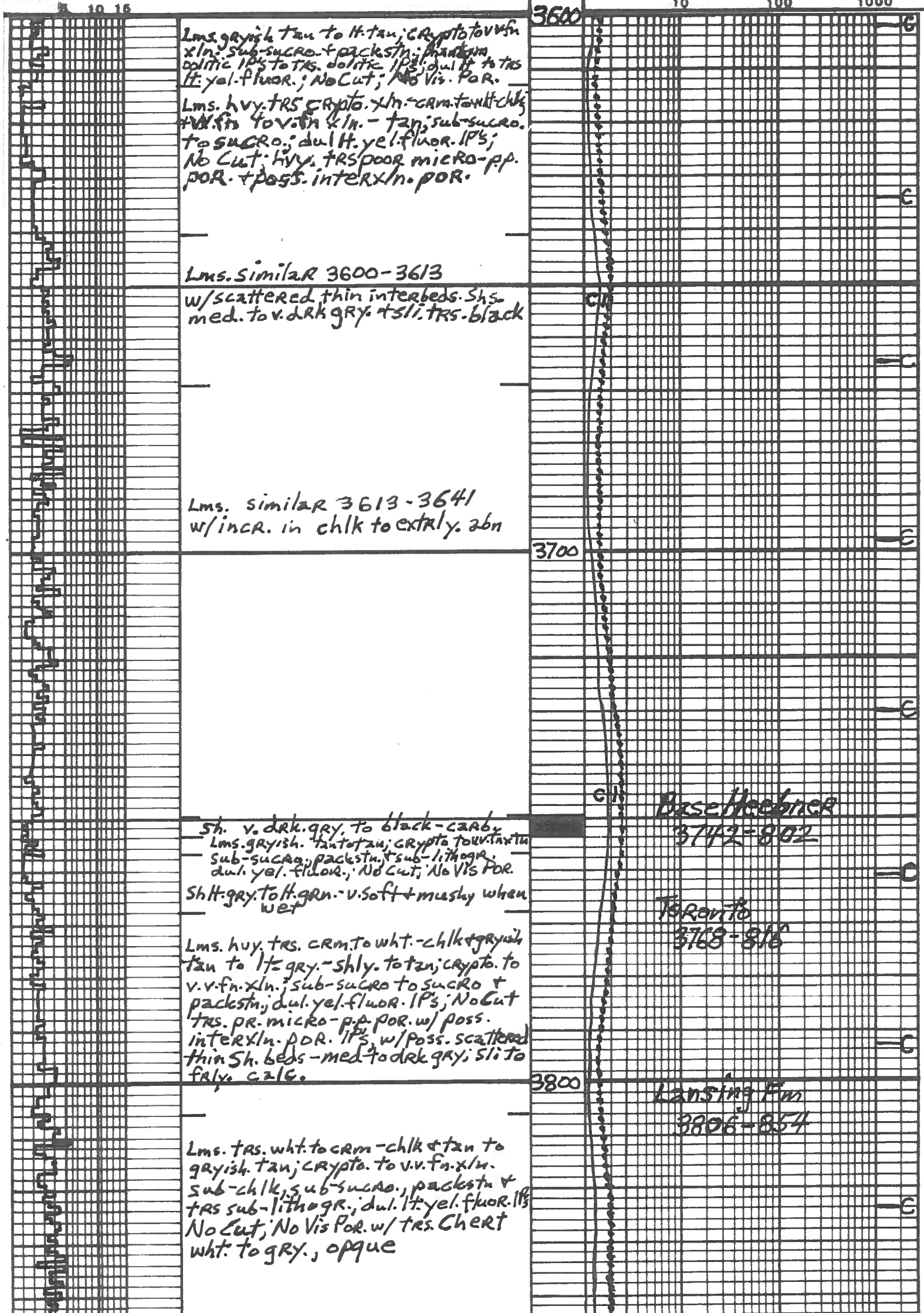
HOT WIRE BY  
TOTAL GAS VOLUME

C1 = METHANE  
C2 = ETHANE  
C3 = PROPANE  
C4 = ISOBUTANE  
C5 = BUTANE  
C6 = ISOPENTANE  
C7 = PENTANE

DRILL TIME  
SCALE

SAMPLE DESCRIPTION

GAS SCALE



trs. pr. micro-pp. por. w/ poss. interxln. por. IP's w/ poss. scattered thin sh. beds - med to drk gray; slt to faly. calc.

3800

Lansing Pan  
3806-854

Lms. trs. wht. to crm-chlk & tan to grayish. tan; crypto. to v.v. fn. xln. sub-chlk, sub-sucro., packstn & trs sub-lithogr.; dul. lt. yel. fluor. IP's; No cut; No vis por. w/ trs. Chert wht. to gry., opque

Lms. trs. wht. to crm-chlk & crm, tan to grayish. tan; crypto. to v.v. fn. xln.; sub-chlk sub-sucro., packstn & trs. sub-lithogr.; scattered trs. phantom oolitic; dul. yel. fluor. IP's; No cut; No vis por w/ slt. trs. tan to drk tan, sptd. oil stn.; extly oolitic w/ sub-sucro. to extly sucro. matrix, stain has gldn. yel. fluor w/ flush to gd. streamg. cuts; zbn. fr. gd. to excel. pp., micro-pp + interxln. por. Show Prob. In To 2' of Zn; No Baskick Automatic Driller Prob - Bzd Drill time ??

3899-4000 Lms. hvy trs to abn. wht to crm chlk & crm., lt. tan to tan and trs. grayish. tan to lt. grey. - slt. shly; crypto. to v.v. fn. xln.; sub-chlk, sub-sucro. to sucro., packstn & trs. sub-lithogr. dul. lt. to lt. yel. fluor. IP's; No cut; trs to hvy. trs. pr. to fr. micro-pp. to poss. interxln. por. w/ slt. trs IP's Chert lt. to med. gray - opque

3900

A 4000-4009 Lms. trs. wht. to crm-chlk & crm to tan, grayish. IP's; crypto to v.v. fn. xln.; hvy. trs. extly oolitic matrix sucro w/ zbn. rexized oolites to lumpst rexized foss. fragm. matrix sub-chlk, sub-sucro to sucro.; gd oil oder hvy. trs. sptd. to even drk tan oil stn. w/ dul. gldn. to gldn. yel. fluor w/ flush to gd. streamg. cuts; hvy. trs pr. to fr. & trs. gd. micro-pp. to interxln. por

B 4009-4029 Lms. trs. wht to crm-chlk & lt. gray. to grayish tan - shly to tan; crypto to v.v. fn. xln.; sub-chlk, packstn w/ hvy trs. sub-lithogr.; dul. yel. fluor. IP's; No cut; No vis por w/ trs. Chert wht to lt. grey. - opq. & interbeds thin sh. med. gray - v. calc. IP's

A C 4029-4040 Lms. tan w/ v. abn. brn to drk. brn., even to sptd. oil stn. v.v. fn. to v. fn. xln.; sub-sucro. to v. sucro w/ trs. phantom oolites; trs. phantom oolites & trs. rexized foss. fragm.; gd. oil oder; dul. gldn. to brn. gldn. yel. fluor w/ flush to brn. streamg. cuts; trs. pr. to zbn. fr., gd. to excel. pp., micro-pp + interxln. por. w/ once or extly oolitic matrix extly sucro to not much of it

D 4040-4060 Lms. hvy. trs. wht to crm-chlk & tan, grayish. IP's; crypto to v.v. fn. xln.; slt. to totaly. oolitic IP's; sub-chlk, sub-sucro. to sucro. matrix; dul. yel. fluor. IP's; No cut; No vis por w/ trs. chert wht to sh. gray to lt. gray opque

E 4060-4106 Lms. hvy. trs. to zbn. wht to crm-chlk & tan; crypto to v.v. fn. xln.; v. to extly oolitic &/or slt. to faly. oolitic; matrix trs. sub-chlk, sub-sucro. to trs. sucro.

4000

Show 23k  
Temp Gas 80u

Filaments In  
Gas Detectors  
Got Fixed  
Voltage Spike

OST#1

OST#2

A

B

C

D

E

CSZ1

E1

CSZ2

EFS

EFS

EFS

D 4040-4060 Lms. hvy. test to  
CRM - chlk + tan, grayish IP's;  
crypto to v.v. fu. xln.; sl. totally  
oolitic IP's; sub-chlk, sub-sucro  
dul. yel. fluor.; No cut; No Vis Por  
w/tes. cheat whitish gray to lt. gray  
opaque

E 4060-4106 Lms. hvy. test to abn  
whit to CRM - chlk + tan; crypto to  
v.v. fu. xln.; v. to extraly oolitic  
+ for sl. to faly. oolitic; matrix tes  
sub-chlk., sub-sucro. totas sucro  
+ packstr.; dul. yel. fluor.; No cut  
abn. pr.; fd. qd. to excel. oolitic  
por. w/tes. pr. to fe. MICRO-pp  
+ poss interxln. POR. IP's

F 4106-4116 Lms. similar to 4060-4106  
w/less oolitic + more oolitic

G 4116-4131 Lms. lt. to med. gray - shly;  
to grayish tan to tan; crypto to  
v.v. fu. xln.; sub-chlk, tes. sub-sucro,  
+ packstr. tes. v. dul. yel. fluor. No  
cut; No Vis Por.

H 4131-4133 Sh. v. drk. gray to blk carb

I 4133-4140 Lms. lt. to med. gray - shly  
crypto. to v.v. fu. xln. grading to blk  
gray. Shs IP's; sub-chlk to blk shly;  
tes sub-sucro + packstr.; No fluor  
No cut; No Vis Por.

J 4140-4149 Lms. CRM. to tan w/abn  
ben to drk brn., even to spl. oil str.  
v.v. fu., v. fu. to tes. med. xln. sub-sucro  
sucro to abn v. sub-ro. + tes. extraly  
sucro; sh. tes. phantom oolitic; sl.  
tes. to tes. to gm. to excel. oil odea

K 4149-4168 Lms. tan to lt. gray - shly  
crypto to v.v. fu. xln.; sub-chlk to blk  
sub-sucro + packstr.; tes. phantom  
oolitic IP's; dul. yel. fluor. IP's  
No cut; No Vis Por

L 4168-4170 Sh. drk. gray to blk carb

M 4170-4174 Lms. simi. to 4149-4168

N 4174-4180 Sh. med. to drk. gray - blk carb

O Lms. lt. gray to tan; crypto to v.v. fu. xln.  
sub-chlk, sub-sucro + packstr.; v. dul  
yel. fluor. IP's; No cut; No Vis Por

P 4194-4214 Lms. v. abn. whit. to CRM -  
chlk to sub-chlk + CRM to tan, grayish  
IP's; crypto to v.v. fu. xln.; abn. phantom  
oolitic; sub-chlk, sub-sucro + packstr.  
w/dul. th. yel. fluor.; No cut; No Vis Por  
w/tes. phantom oolitic; sub-sucro to  
sucro + packstr. w/ drk. tan, spl.  
oil str. w/ yel. to dul. yel. fluor.;

Q 4214-4220 Lms. lt. gray - shly to  
grayish tan to tan; crypto. xln. sub-chlk  
packstr. + tes. sub-lithog. dul. yel.  
to yel. fluor. IP's; No cut; No Vis Por

R 4220-4228 Lms. CRM to lt. tan w/  
abn. tan to drk. tan spl. to even oil str.  
v.v. fu. to v. fu. w/tes. to spl. tes. med. xln  
abn. phantom oolitic to hvy. tes  
oolitic + tes. oolitic to abn  
phantom oolitic - oolitic. R. v. zed  
to lumps; matrix sub-chlk, sub-sucro  
to abn. sucro to v. sucro + tes. packstr.  
qd. oil odea; abn. dul. to brt. gln. yel.  
fluor. w/flush to drk. staining cuts  
abn. pr. to fe. + hvy. tes. qd. to excel  
oolitic, sub. v. qd. pp, micro pp  
+ interxln. por. Quest. por. in.

S 4228-4231 Lms. simi. to 4214-4220

T 4231-4237 Lms. hvy. tes. wkt. to CRM - chlk  
+ CRM to tan; crypto. to v.v. fu. xln. sub-chlk  
sub-sucro + packstr.; phantom oolitic IP's  
tes. dul. yel. fluor. IP's; No cut; No Vis Por

U 4237-4252 Lms. lt. gray to tan;

V 4252-4272 Sh. med. to drk. gray. v. to  
extraly calc. IP's grading to spl. L. shs  
W 4272-4298 Lms. grayish tan to tan  
crypto. to v.v. fu. xln.; tes. sub-chlk,  
sub-sucro + packstr.; tes. v. dul. yel.

Filling in  
Gas Detectors  
Get Packed  
Voltage Spike

4100

WOB 38000  
RPM 85  
SPM 60  
PP 800

Kansas City Fan  
4133-4131

Trip Gas 300 units

WOB 40000  
RPM 80  
SPM 60  
PP 800

4200

Show 180  
Trip Gas 400

PKS  
4252-1320

Marmston  
4272-1320

WOB 38000  
RPM 80-85  
SPM 60  
PP 800

Show 250

4300

Show 300



Vertical text on the left margin, possibly a well log identifier or location notes.

Vertical text on the right margin, possibly a well log identifier or location notes.



MICRO PPY INTERCOMPACT  
 Quest. PERM  
 HL 4487-4489 Interbed Lms + Shs  
 Lms H. to med. gray - shly; crypto  
 xln; sub-chalk to paclostrn.  
 No fluor.; No Cut; No Vis for.  
 2. Lms. tan. wbt. to CRM-chalk + H. gray  
 to tan; crypto to VU-fn xln; V. Si  
 TRS tan to brnsptd. to even oil str.  
 trs. phantom oolitic to tes oolitic;  
 oil str. has dull to brn glau. yel. fluor.  
 w/flash to exc. string cuts;  
 2nd trs PR. micro pp papos interxln  
 por

3. Sh med to drk gray to v drk gray  
 to black - carb  
 EL 4489-4577 Interbed Lms + Shs  
 1. Lms H. gray to tan; crypto to v. fn  
 trs phantom oolitic to tes oolitic;  
 TRS sub-chalk, sub-sucro + paclostrn;  
 trs dull. yel. fluor.; No Cut; No Vis for  
 w/trs to huy trs even brn. oil str  
 fat qd oil odor; w/fn to v. fn  
 sub-sucro to v. sucro; dull to brn  
 glau. yel. fluor. w/flash to excal  
 string cuts w/flash to huy trs  
 PR. to trs micro pp pap + fess.  
 interxln por IP5  
 2. Lms. H. to med gray. shly. jasp to  
 xln; sub-chalk to tan. shly to black str;  
 No fluor.; No Cut; No Vis for

3. Sh med gray w/silky luster IP5  
 soft + v drk gray - splintery w/  
 trs H. gray. to H. green  
 KK 4611-4624 Silty to H. to med  
 gray, shly to extaly shly + tan  
 sli. to v. calc to a dolomitic  
 gdnq. to silty to calc for dolomitic  
 shs; w/trs drk brn oil str to  
 gilsonite; v dull v drk glau yel  
 fluor.; flush to excal string  
 cuts; v. sli. tan v. PR micro pp por  
 IP5; w/zbn sh similar to 4587-4611

MM Sh med to drk gray soft trs w/  
 silky luster + a drk to v drk gray  
 splintery w/trs H. green, H. greenish  
 GRN. to H. gray. w/trs to brn Lms.  
 H. to med gray shly gdnq IP5 to  
 calc shs + grnsh tan to tan  
 crypto xln; sub-chalk, sub-sucro  
 + paclostrn; No fluor.; No Vis for

NN 4661-4706 Lms sh. trs wbt to  
 CRM-chalk + CRM to tan, grayish IP5  
 crypto to v. fn. xln; v. to extaly  
 oolitic (micro, sm + trs med.)  
 matrix trs sub-chalk, sub-sucro  
 + paclostrn; huy trs tan  
 to drk tan sptd. to even oil str;  
 w/v. dull v. drk glau yel. fluor.;  
 flush to excal string cuts  
 gdnq to faint ring cuts  
 v. widely scattered v. PR micro pp  
 por. Prob. No PERM

OO Lms trs. wbt. to CRM-chalk +  
 CRM to tan, grayish, IP5;  
 crypto to VU-fn. xln; v. to extaly  
 oolitic (med. to gr. trs sm) matrix  
 trs. sub-chalk, sub-sucro + paclostrn  
 RR succro. + paclostrn; abn. tan to  
 drk tan event sptd. to str; dull  
 glau. yel. fluor. w/flash to excal string  
 cuts; gdnq to ring cuts; w/huy  
 trs. PR. to tes fr. + v. sli. tan qd. micro pp  
 por; w/trs chert H. to med gray,  
 H. tan to tan + orange opq to tan

PP 4711-4738 Lms. trs. wbt to CRM-  
 chalk + CRM to H. tan; crypto to v. Kln.  
 xln; v. to extaly oolitic (sm, med trs  
 1 q) matrix chly, sub-chalk, sub-sucro  
 + paclostrn; trs. sub-lithog. w/No  
 dolites; dull H. yel. to dull yel. fluor  
 No Cut; No Vis for w/trs chert  
 gray, tan, oranges, opq to trs

SS 4738-4747 Lms. H. tan w/zbn  
 tan to brn event sptd. oil str;  
 abu. extaly oolitic (med. to brn trs sm)  
 matrix sub-sucro to succro.  
 RR sub-sucro to huy trs succro.  
 No oolites; dull glau. to glau. yel. fluor.  
 w/flash to excal. string cuts  
 zbn. PR. to trs huy trs to tes excal  
 inter oolitic, pp. jaspico. pp. interxln  
 por.

Show 16th  
 Morrow Fm  
 4597-1645  
 ?? 10th

Conn Gas 8U

SF LMS 15  
 4661-1709  
 ?? 8U  
 Conn Gas 10U

Show 10th

4600

4700

4800

JJ

KK

MM

NN

OO

PP

QQ

RR

SS

TT

QFS

QFS

QFS

QFS

QFS

sol. tas. dul. h. ye. / to. d. il. ye. / fluor  
No Cut; No Vis For w/tes / least  
gray, tan, oranges, etc. to trans

4800

TT 4738-4747 Lms. H. tan w/abn.  
F. to. to. ben. even. to. sp. q. / st. n.  
abn. ext. dy. opt. tic. (med. bl. / t. r. s. s.)  
mat. n. ix. sub. su. cro. to. su. cro. j.  
Rest sub. su. cro. to. h. y. tas. su. cro.  
No. gal. ites; dul. g. d. h. to. p. l. n. ye. / fluor.  
w/ flash. to. ex. cal. st. r. h. y. g. cuts  
abn. p. r. t. s. r. h. y. tas. ad. to. t. r. s. ex. cal.  
inter. ad. ite. p. p. / ju. ice. b. - p. p. t. inter. ad. ite.  
p. o. r.

RR 4747-4758 Lms similar  
to 4711-4738

SS Lms. H. tan to tan. c. r. y. p. t. x. l. u.  
s. l. i. tas. sub. ch. k. p. a. c. k. s. t. y.  
+ sub. l. i. t. h. o. g. r. j. p. h. z. i. s. t. o. m. g. a. l. i. t. e. s.  
I. P. s. / dul. h. ye. / fluor; No Cut; No Vis  
For; s. l. i. tas. ch. e. r. t. g. a. y. to. tan, o. f. f. u. e.

TD 4850

II 4790-4793 Lms similar  
4738-4790 w/ h. y. tas. to. abn.  
wh. t. to. c. r. m. - ch. k.

III 4833-4850 Lms tan, grayish. I. P. s.  
c. r. y. p. t. x. l. u. / t. r. s. d. i. k. p. a. c. k. s. t. y.  
+ sub. l. i. t. h. o. g. r. / t. r. s. p. l. a. n. t. o. m. b. o. l. i. t. e. s. / I. P. s.  
dul. ye. l. fluor; No Cut; No Vis for

TD 4850

TD 4850

7 7/8" Bit Info  
New HTC G X 22  
in 1790 out 4850 TD

Cir Points:

- |         |          |             |
|---------|----------|-------------|
| 1. 4010 | 6. 4334  | 11. 4710    |
| 2. 4036 | 7. 4370  | 12. 4750    |
| 3. 4148 | 8. 4400  | 13. 4850 TD |
| 4. 4228 | 9. 4590  |             |
| 5. 4310 | 10. 4630 |             |

Dev. Surv.

- |            |              |
|------------|--------------|
| 1. 1294 1° | 3. 4010 1/4° |
| 2. 1790 1° | 4. 4850 TD   |

Daily Progress

1	2721	At 6AM	2-13-2019
2	3195	At 6AM	2-14-2019
3	3634	At 7AM	2-15-2019
4	4010	At 7AM	2-16-2019
5	4040	At 7AM	2-17-2019
6	4095	At 7AM	2-18-2019
7	4166	At 7AM	2-19-2019
8	4263	At 7AM	2-20-2019
9	4355	At 7AM	2-21-2019
10	4400	At 7AM	2-22-2019
11	4483	At 7AM	2-23-2019
12	4670	At 7AM	2-24-2019
13	4850	At 7AM	2-25-2019

DST #1 Lansing 5" 3987-4010  
TD Blow Built to 1 1/4" FO No Blow  
Rec 20' Mud w/ light oil / spots in Tool  
BHT 97°  
IHP 1922

IFP 13-15 in 30 min  
ISIP 401 in 60 min  
FFP 16-19 in 30 min  
FSIP 399 in 120 min  
FHP 1908

DST #2 Lansing 4" 4016-4036  
TD Blow Built to 9" FO Blow Built to 9"  
Rec 15' clean oil 100% oil  
80' Mud w/ skin oil 100% mud  
Total Rec 95 ft BHT 100°  
Oil Grav. 38 API  
IHP 1929

IFP 15-31 in 30 min  
ISIP 890 in 60 min  
FFP 33-60 in 60 min  
FSIP 890 in 120 min  
FHP 1910

DST #3 Kansas City "A" 4124-4148  
TD Blow Built to 3/8" FO No Blow  
Rec 5' Mud w/ skin Oil BHT 97°  
IHP 1992

REC 15 CLEAN OIL 100% OIL  
 80' Mud w/skin oil 100% Mud  
 Total Rec 95 ft BHT 100°  
 Oil Grav. 38 API  
 IHP 1929  
 IFP 15-31 in 30 min  
 ISIP 890 in 60 min  
 FFP 33-60 in 60 min  
 FSIP 890 in 120 min  
 FHP 1910

DST#3 Kansas City "A" 4124-4148  
 IO Blow Built to 3/8" FO No Blow  
 Rec 5' Mud w/skin Oil BHT 97°  
 IHP 1988  
 IFP 12-13 in 30 min  
 ISIP 861 in 60 min  
 FFP 14-15 in 30 min  
 FSIP 849 in 120 min  
 FHP 1977

DST#4 Kansas City "C" 4218-4228  
 IO Blow Built to 2 1/2" FO No Blow  
 Rec. 15 ft oil cut Mud 10% oil 90% mud  
 BHT 100°  
 IHP 2064  
 IFP 12-16 in 30 min  
 ISIP 731 in 60 min  
 FFP 16-18 in 30 min  
 FSIP 726 in 120 min  
 FHP 2042

DST#5 Ft. Scott 4378-4400  
 IO Blow Built to 2 1/2 inches  
 FO Blow Built to 1 1/2 inches  
 Rec: 60 ft Gas in Pipe  
 30 ft oil cut Mud 10% oil 90% mud  
 BHT 104°  
 IHP 2197  
 IFP 15-19 in 30 min  
 ISIP 1087 in 60 min  
 FFP 19-26 in 60 min  
 FSIP 1096 in 120 min  
 FHP 2187

Mud Info:

Date	2-13 12:30P	2-14 12:15P	2-15 12:30P	2-16 12:45P	2-17 12:15P	2-18 7:00A	2-19 8:30A	2-20 6:30A
Depth	2797	3320	3738	4010	4036	4135	4182	4245
WT.	9.4	9.7	8.7	9.1	9.0	9.1	9.1	9.2
Vis	30	30	55	49	54	46	51	51
PV			17	15	16	15	16	16
YP			19	16	19	17	19	18
GS			1 1/32	1 1/32	1 1/32	1 1/31	1 1/35	1 1/34
WL			6.4	6.4	6.4	6.4	6.4	6.4
Cake			1/32	1/32	1/32	1/32	1/32	1/32
pH	7.0	7.0	11.0	10.5	10.5	10.5	10.5	10.0
Chl	30000	19000	2400	3200	3800	4000	3600	4000
Ca Hvy	Hvy	Hvy	20	20	40	40	40	40
LCM	3.0	2.0	4.0	2.0	2.0	2.0	2.0	1.0

Date	2-21 7:45A	2-22 8:00A						
Depth	4358	4400						

PSIP 1087 in 60 min  
 FFP 19-26 in 60 min  
 PSIP 1096 in 20 min  
 FHP 2187

Mud Info:

Date	2-13 11:20P	2-14 11:25P	2-15 11:30P	2-16 12:45P	2-17 11:15P	2-18 9:10A	2-19 8:30A	2-20 6:30A
Depth	2797	3320	3738	4010	4036	4135	4182	4245
WT.	9.4	9.7	8.7	9.1	9.0	9.1	9.1	9.3
Vis	30	30	55	49	54	46	51	51
PV			17	15	16	15	16	16
YP			19	16	19	17	19	18
GS			14/36	13/32	14/34	13/31	14/35	13/34
WL			6.4	6.4	6.4	6.4	6.4	6.4
cake			1/32	1/32	1/32	1/32	1/32	1/32
pH	7.0	7.0	11.0	10.5	10.5	10.5	10.5	10.0
chl	3000	1900	2400	3200	3800	4000	3600	4000
Ca	Hvy	Hvy	20	20	40	40	40	40
LCM	3.0	2.0	4.0	2.0	2.0	2.0	2.0	1.0

Date	2-21 8:45A	2-22 8:00A					
Depth	4358	4400					
WT.	9.3	9.4					
Vis	45	60					
PV	15	18					
YP	16	22					
GS	13/31	15/37					
WL	6.4	7.2					
cake	1/32	1/32					
pH	10.5	10.0					
chl	4000	4000					
Ca	40	40					
LCM	3.0	3.0					

OPERATOR Be Rexco LLC LOCATION 1490'ENL + 983'FWL  
 LEASE Bailey OE NO. #3-27 SEC. 27 TWP. 22S RMD. 34W  
 ELEVATION 2952KB RTD 4850 COUNTY Finney STATE Kansas