

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)</i> <i>(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: | |
|----------------|-------|---------|------------|--|

| | | | | | |
|---------------------------------------|-----------------------|------------------|---------------------|------------------------------|-------------|
| Customer Woolsey Operating Company | | Lease No. | | Date 6/28/2019 | |
| Lease B. bb | | Well # 1 | | | |
| Field Order # 17976 | Station Pigst. 1rs | Casing 10 3/4 | Depth 263 | County Berber | State KS |
| Type Job 242/10 3/4 Surface | | | Formation TD-284 | Legal Description 6-31-14 | |

| PIPE DATA | | PERFORATING DATA | | FLUID USED | | TREATMENT RESUME | | |
|-----------------|--------------|------------------|----|----------------|------------|------------------|------------------|--|
| Casing Size | Tubing Size | Shots/Ft | | Acid | RATE | PRESS | ISIP | |
| 10 3/4 | 8 5/8 | | | | | | | |
| Depth 263 | Depth 17 | From | To | Pre Pad | Max | | 5 Min. | |
| Volume 26.5 | Volume 1 | From | To | Pad | Min | | 10 Min. | |
| Max Press | Max Press | From | To | Frac | Avg | | 15 Min. | |
| Well Connection | Annulus Vol. | From | To | | HHP Used | | Annulus Pressure | |
| Plug Depth 260 | Packer Depth | From | To | Flush Water | Gas Volume | | Total Load | |

| | | | | | | | | | | | |
|--------------------------------------|-------|-------|-------|-------------------------------------|--|--|--|---------------------------|--|--|--|
| Customer Representative Alon Dick | | | | Station Manager Justin Westerman | | | | Treater Darin Franklin | | | |
| Service Units | 92911 | 27463 | 70859 | 2100 | | | | | | | |
| Driver Names | Darin | Brett | Brett | Brett | | | | | | | |

| Time | Casing Pressure | Tubing Pressure | Bbls. Pumped | Rate | Service Log |
|---------|-----------------|-----------------|--------------|------|---|
| 7:00am | | | | | On location / Safety meeting 10 3/4 - 263, 8 5/8 - 17 Total 280' casing 300 SK 60/40 P02 + 3% HCE + 1/4 HCF 14.8 pps, 1.21 v. 12, 5.18 water |
| 10:00am | 200 | | 3 | 5 | Pump 3 bbls water |
| | 200 | | 65 | 5 | mix 300SK cement |
| | 200 | | 25 | 5 | DISPISC with water |
| | | | | | Shut down |
| 10:30am | | | | | Close valve on casing |
| | | | | | Job complete / Darin & crew Thank you !! |

| | | | | |
|---|----------------------|-----------------|-----------|--------------------------------------|
| Customer Woolsey operating company | | Lease No. | | Date 7-4-19 |
| Lease Bibb | | Well # 1 | | |
| Field Order # 18061 | Station pratt | Casing | Depth | County Barber State KS |
| Type Job Z-42 Plug to Abandon | | | Formation | Legal Description 6-315-14 |

| PIPE DATA | | PERFORATING DATA | | FLUID USED | | TREATMENT RESUME | |
|-----------------|--------------|------------------|----|-------------------------------|------------|------------------|------------------|
| Casing Size | Tubing Size | Shots/Ft | | Acid 205 SKS 60/40 PDZ | RATE | PRESS | ISIP |
| Depth | Depth | From | To | Pre Pad 4% g-1 | Max | | 5 Min. |
| Volume | Volume | From | To | Pad | Min | | 10 Min. |
| Max Press | Max Press | From | To | Frac | Avg | | 15 Min. |
| Well Connection | Annulus Vol. | From | To | | HHP Used | | Annulus Pressure |
| Plug Depth | Packer Depth | From | To | Flush | Gas Volume | | Total Load |

| | | |
|---|---------------------------------|----------------------|
| Customer Representative Allen DUCY | Station Manager Wegerman | Treater MATTM |
| Service Units 43353 | 84980 20920 | 19960 19860 |
| Driver Names MATTM | MADAMEZ | Pierce |

| Time | Casing Pressure | Tubing Pressure | Bbls. Pumped | Rate | Service Log |
|-------|-----------------|-----------------|--------------|------|--|
| 7:45 | | | | | ON LOCATION / STARTING meeting |
| | | | | | 1st Plug @ 660' |
| 9:37 | | 150 | 20 | 4 | PUMP 20 bbl water |
| 9:41 | | 150 | 13 | 4 | MIX 50 SKS 60/40 PDZ |
| 9:44 | | 50 | .75 | 4 | PUMP .75 bbl water |
| | | | | | 2nd Plug @ 330' |
| 10:01 | | 100 | 10 | 4 | PUMP 10 bbl water |
| 10:04 | | 100 | 19 | 4 | MIX 75 SKS 60/40 PDZ |
| 10:08 | | 50 | .5 | 4 | PUMP 1 bbl water |
| | | | | | 3rd Plug @ 60' |
| 11:08 | | | 7 | | MIX 30 SKS 60/40 PDZ CMT TO SURFACE |
| 11:10 | | | 7.5 | | PLUG RAT + mouse hole |

JOB COMPLETE
 THANK YOU!
 Mike Mattal
 EDMUNDO + JAY



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Woolsey Operating Co
125 N Market Ste 1000
Wichita, KS 67202
ATTN: Bill Klaver

6-31S-14W Barber

Bibb 1

Job Ticket: 65880

DST#: 1

Test Start: 2019.07.02 @ 07:30:00

GENERAL INFORMATION:

Formation: **Toronto**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:43:47

Time Test Ended: 14:26:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Leal Cason

Unit No: 74

Interval: 3664.00 ft (KB) To 3736.00 ft (KB) (TVD)

Total Depth: 3736.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1742.00 ft (KB)

1729.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: 8672

Inside

Press@RunDepth: 54.67 psig @ 3665.00 ft (KB)

Start Date: 2019.07.02

End Date: 2019.07.02

Start Time: 07:30:01

End Time: 14:26:02

Capacity: psig

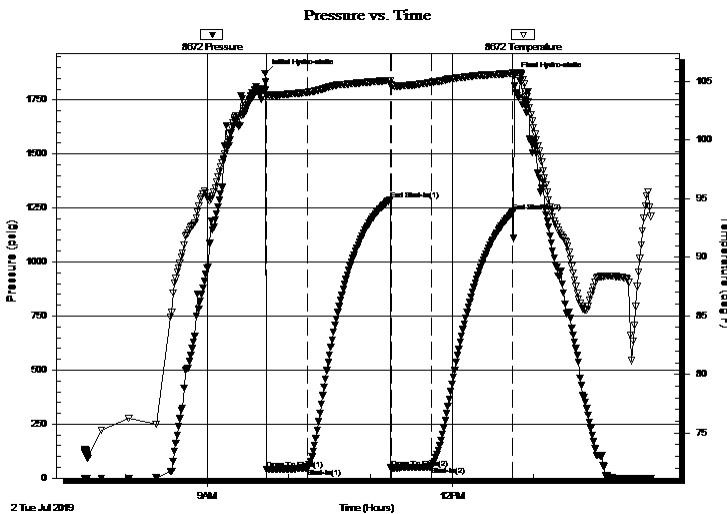
Last Calib.: 2019.07.02

Time On Btm: 2019.07.02 @ 09:42:32

Time Off Btm: 2019.07.02 @ 12:45:32

TEST COMMENT: IF: Weak Blow, Built to 3/4 inch, Then Began Dying Off
IS: No Blow Back
FF: Weak Blow, Built to 1/2 inch, Died Off By 30 minutes
FS: No Blow Back

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1872.86 | 104.24 | Initial Hydro-static |
| 2 | 39.02 | 103.80 | Open To Flow (1) |
| 32 | 45.80 | 104.07 | Shut-In(1) |
| 92 | 1288.31 | 105.04 | End Shut-In(1) |
| 93 | 46.85 | 104.72 | Open To Flow (2) |
| 123 | 54.67 | 104.91 | Shut-In(2) |
| 183 | 1230.66 | 105.71 | End Shut-In(2) |
| 183 | 1859.81 | 105.76 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 5.00 | Mud | 0.02 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

| Choke (inches) | Pressure (psig) | Gas Rate (MMcf/d) |
|----------------|-----------------|-------------------|
| | | |



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Woolsey Operating Co
 125 N Market Ste 1000
 Wichita, KS 67202
 ATTN: Bill Klaver

6-31S-14W Barber
Bibb 1
 Job Ticket: 65880 **DST#: 1**
 Test Start: 2019.07.02 @ 07:30:00

GENERAL INFORMATION:

Formation: **Toronto**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:43:47
 Time Test Ended: 14:26:02

Test Type: Conventional Bottom Hole (Initial)
 Tester: Leal Cason
 Unit No: 74

Interval: 3664.00 ft (KB) To 3736.00 ft (KB) (TVD)
 Total Depth: 3736.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1742.00 ft (KB)
 1729.00 ft (CF)
 KB to GR/CF: 13.00 ft

Serial #: 6751

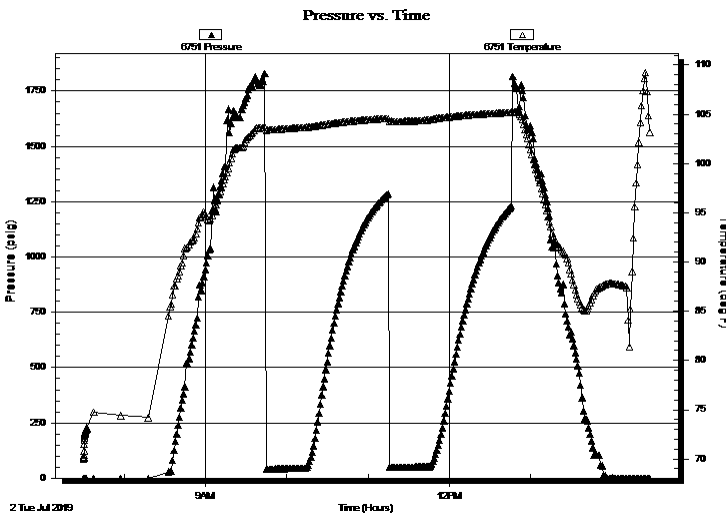
Outside

Press@RunDepth: psig @ 3665.00 ft (KB)
 Start Date: 2019.07.02 End Date: 2019.07.02
 Start Time: 07:30:01 End Time: 14:28:02

Capacity: psig
 Last Calib.: 2019.07.02
 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: Weak Blow , Built to 3/4 inch, Then Began Dying Off
 IS: No Blow Back
 FF: Weak Blow , Built to 1/2 inch, Died Off By 30 minutes
 FS: No Blow Back

PRESSURE SUMMARY



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

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 5.00 | Mud | 0.02 |
| | | |
| | | |
| | | |
| | | |
| | | |

Gas Rates

| Choke (inches) | Pressure (psig) | Gas Rate (MMcf/d) |
|----------------|-----------------|-------------------|
| | | |
| | | |
| | | |
| | | |



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co

6-31S-14W Barber

125 N Market Ste 1000
Wichita, KS 67202

Bibb 1

Job Ticket: 65880

DST#: 1

ATTN: Bill Klaver

Test Start: 2019.07.02 @ 07:30:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 5.00 | Mud | 0.025 |

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

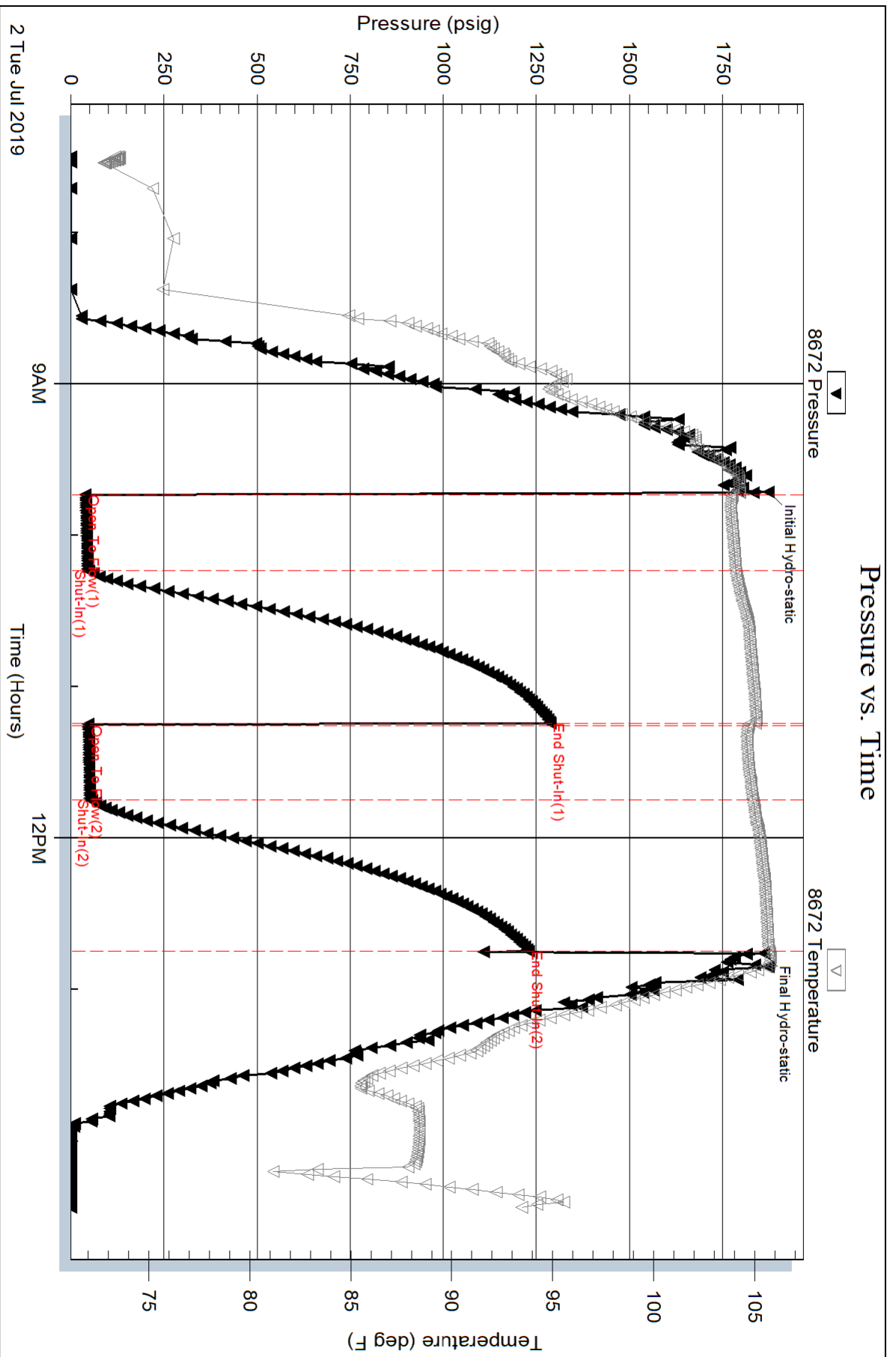
Num Gas Bombs: 0

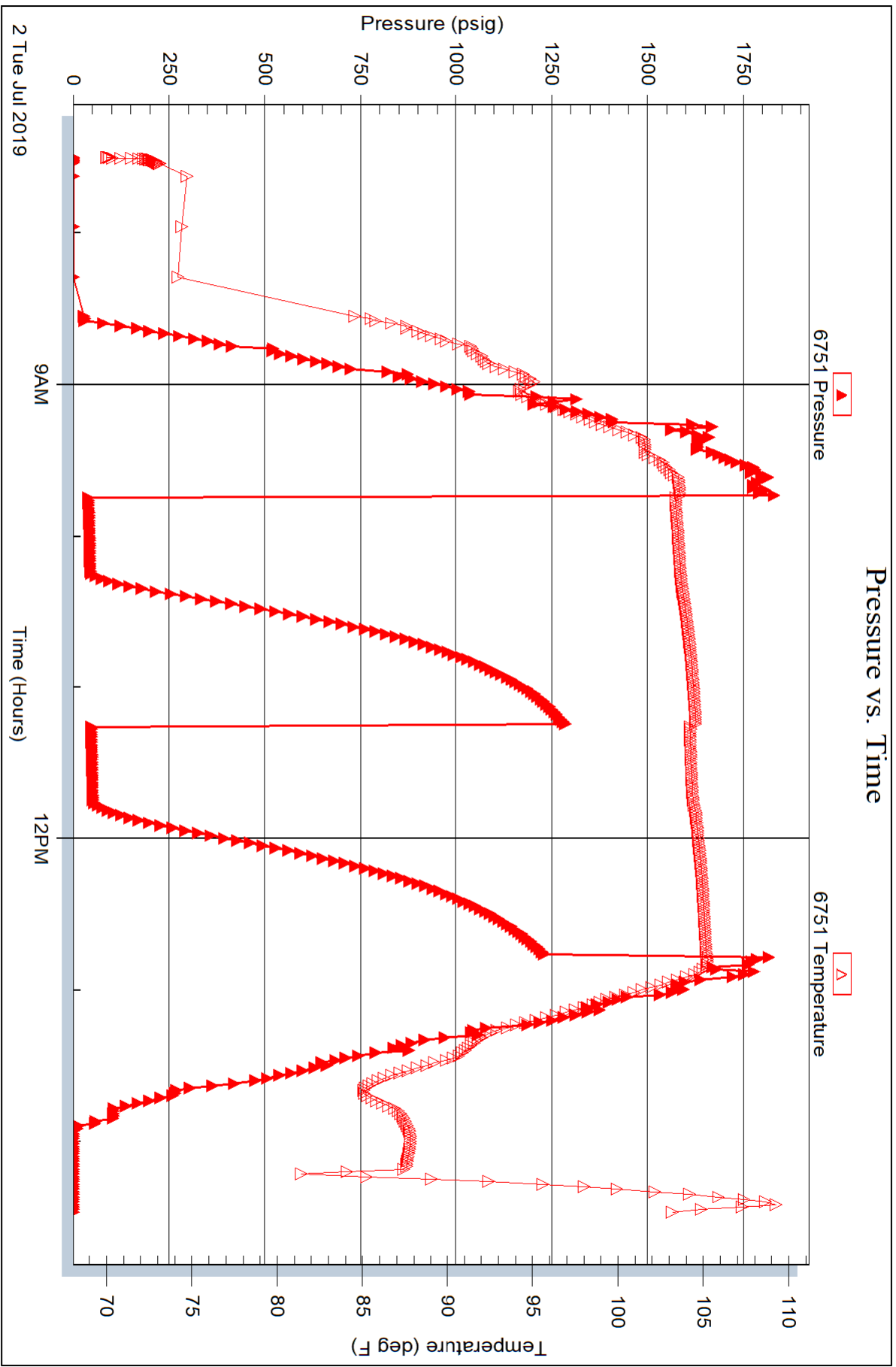
Serial #:

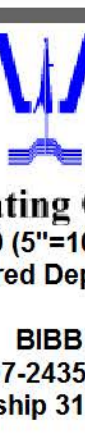
Laboratory Name:

Laboratory Location:

Recovery Comments:







Woolsey Operating Company, LLC

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

Well Name: Section 6 - Township 31 South - Range 14 West
Location: Barber County, Kansas
License Number: 33168
Spud Date: June 27, 2019
Surface Coordinates: SE NW SE NE
173° FN & 88° FEL
Bottom Hole Coordinates: K Elev. (ft): 1742'
Ground Elevation (ft): 2600'
Formation: Shawnee >>> Lansing
Type of Drilling Fluid: Printed by MUDLog on WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Woolsey Operating Company, LLC
Address: 125 N. Market, Suite 1000
Wichita, KS 67202

GEOLOGIST

Name: Bill Klaver
Company: Woolsey Operating Co., LLC
Address: 125 N. Market, Wichita Kansas, 67202

COMMENTS

Surface Casing: Spud 10:15 pm on June 27, 2019. ran 6 joints of 10'3 1/4" X 32.5#/ft casing to 275' (tally 263.98) with 300 sx 60/40 poz mix, 3% cc, 1/4" cello flake. Plug down 10 am on June 28, 2019. Cement did circulate.
Production casing: none ran
Deviation Surveys: 5 at 284', 1 at 833', .75 at 1303', .75 at 1805', 1 at 2304', 1 at 2805', .75 at 3308', 1.25 at 3736'.
Pipe Strap @ 3736': Board: 3746.26'; Strap: 3743.51', strap 2.75' short. No correction was made to the board.
Duke Drilling Rig 7 Bit Record:
1) 12 1/2" JZ RR in 0' out at 284'
2) 7 7/8" Hughes Tool DP 506 in at 284' out at 3736'
3) 7 7/8" Vareli HE-29 RR in at 3736' out at 3950'
Gas Detector: Pason Systems
Mud System: Mud-Co. Brad Bortz, Engineer
DSTs: Trobrite Testing, Leal Cason, Tester
E-Logs: ELI Wireline, Dual Induction Laterolog w/SP, CNL-FDC w/PE, GR and Calliper Jeff Luebbers, Gus Pfannenstiel, Engineers
Company Man: Alan Dick

DSTs

DST #1 Toronto, 3664'-3736', 30"-60"-30", 60", 12" blow IFF, wk 1/2" FFP. Rec: 8' Drilling mud, IHP 1873, IFF 39-46, ICP 1288, FFP 47-55, FCIP 1231, FHP 1860, BHT 106 deg.

CREWS

Galen Roach, Tool Pusher
Charles Stout, Mornning
Scott Edwards, Days
Steven "Skippy" Green, Evening

ROCK TYPES

| | | | | |
|----------|----------|-----------|-----------|--------------|
| Anhy | Shy dolo | Dol | Sstst | Shale 3 |
| Brec | Dol | Gyp | Sa | Silty dolo |
| Chl | Grp | Sdy lmsst | Black sh | Dol lmsst |
| Clyst | Lmst | Mlmsst | Gry sh | Granite wash |
| Coal | Mlmsst | Salt | Shale | Lmst |
| Congl | Shale | | Stylystst | Calc dol |
| Sdy dolo | | | Slysh | Shale 1 |
| | | | Ss 2 | |

ACCESSORIES

| | | |
|----------|----------|---------|
| Chlorite | POLECS | Grysh |
| Dol | Pellet | Gryslt |
| Sand | Pholite | Lms |
| Sily | Plant | Sandyms |
| | Strom | Sh |
| | Fuss | Slstsn |
| | Oomoldic | |
| | STRINGER | |
| | Anhy | |
| | Arg | |
| | Beal | |
| | Dol | |
| | LS | |
| | LS | |
| | Msstg | |
| | Ssstg | |
| | Carlsht | |
| | Clysh | |
| | Dol | |

MINERAL

- Anhy
- Arg
- Bent
- Bit
- Brecfrag
- Calc
- Carb
- Chl
- Chlcl
- Chlhl
- Dol
- Ferropel
- Ferr
- Gla
- Gyp
- Marl
- Nodule
- Phos
- Pyr
- Salt
- Sandy
- Silt

FOSSIL

- Algae
- Amph
- Belm
- Blocst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram
- Fossil
- Gastro
- Foram
- Ostra

TEXTURE

- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Graintst
- Lithogr
- Microxln
- Mudst
- Packet
- Wackest

