

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)</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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TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Dixon Operating
 8100 E.22nd N. Ste 200
 Wichits Ks. 67226
 ATTN: Bruce Reed

27-22s-12w Stafford Ks.
Teichmann #1-27
 Job Ticket: 57890 **DST#: 1**
 Test Start: 2018.08.01 @ 12:20:25

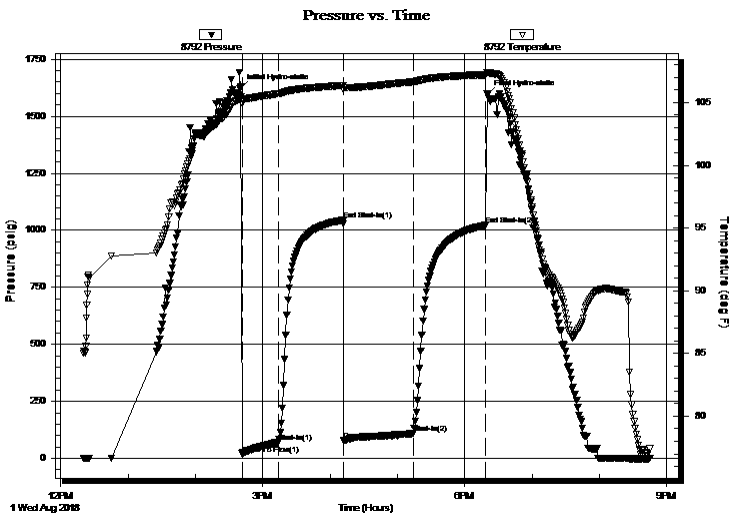
GENERAL INFORMATION:

Formation: **L/KC A-F**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:41:35
 Time Test Ended: 20:45:04
 Interval: **3309.00 ft (KB) To 3384.00 ft (KB) (TVD)**
 Total Depth: 3384.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Matt Smith /Pevoteau
 Unit No: 68
 Reference Elevations: 1867.00 ft (KB)
 1856.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8792 Outside
 Press@RunDepth: 108.97 psig @ 3310.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2018.08.01 End Date: 2018.08.01 Last Calib.: 2018.08.01
 Start Time: 12:20:25 End Time: 20:45:04 Time On Btm: 2018.08.01 @ 14:39:50
 Time Off Btm: 2018.08.01 @ 18:20:05

TEST COMMENT: IF:Weak blow . Increase to 4".
 IS:No blow .
 FF:Weak blow . Increase to 4".
 FS:No blow .

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1622.18	105.36	Initial Hydro-static
2	19.79	104.91	Open To Flow (1)
34	69.24	105.70	Shut-In(1)
92	1044.12	106.36	End Shut-In(1)
93	78.61	106.03	Open To Flow (2)
154	108.97	106.65	Shut-In(2)
219	1022.21	107.19	End Shut-In(2)
221	1596.13	107.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	MW 12%w 88%w	0.30
126.00	WM 30%w 70%w	0.95

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dixon Operating

27-22s-12w Stafford Ks.

8100 E.22nd N. Ste 200
Wichits Ks. 67226

Teichmann #1-27

Job Ticket: 57890

DST#: 1

ATTN: Bruce Reed

Test Start: 2018.08.01 @ 12:20:25

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:

124000 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.19 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5300.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	MW 12%m 88%w	0.295
126.00	WM 30%w 70%m	0.948

Total Length: 186.00 ft

Total Volume: 1.243 bbl

Num Fluid Samples: 0

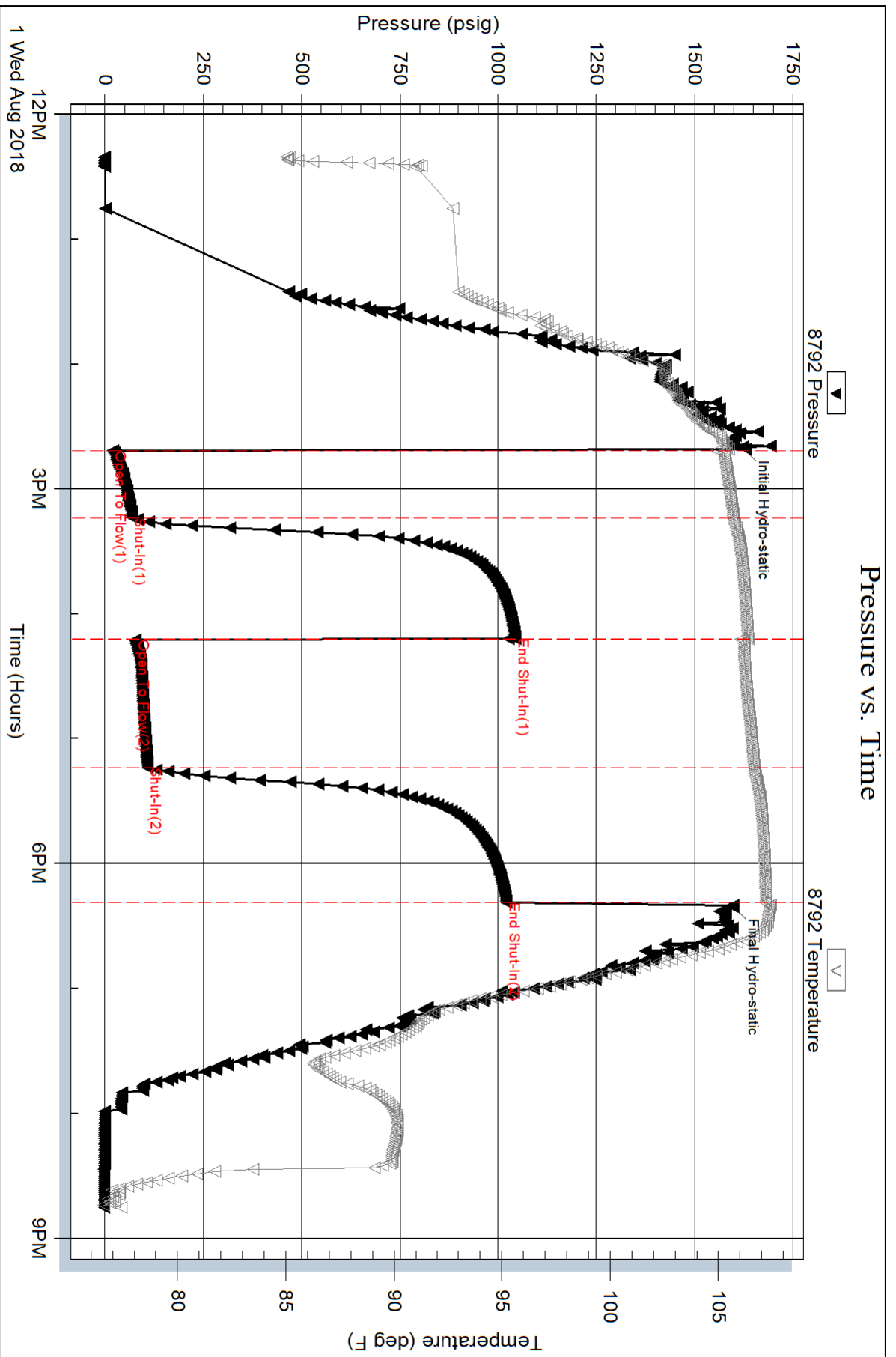
Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:



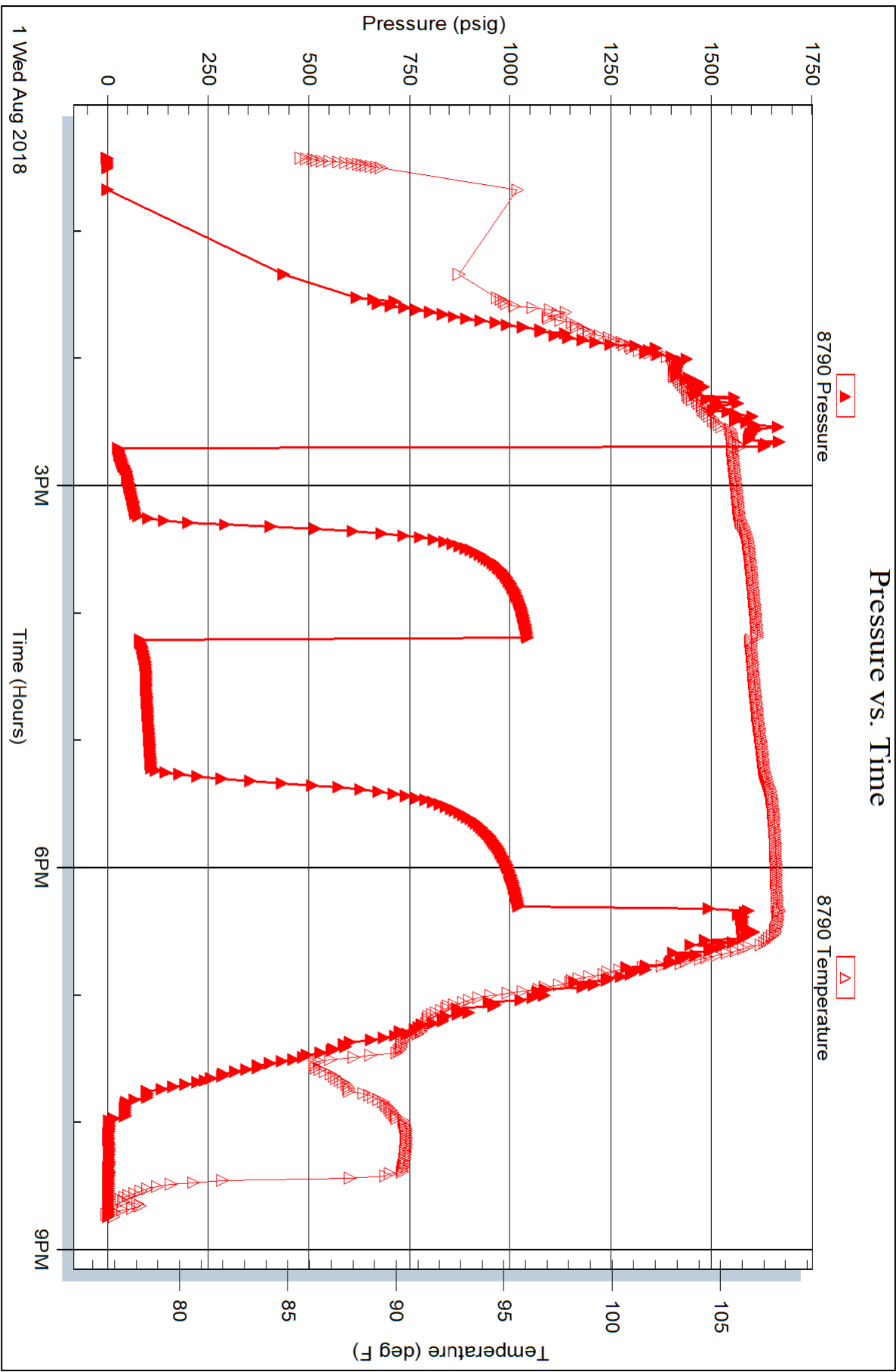
Serial #: 8790

Inside

Dixon Operating

Teichmann #1-27

DST Test Number: 1





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Dixon Operating
 8100 E.22nd N. Ste 200
 Wichits Ks. 67226
 ATTN: Bruce Reed

27-22s-12w Stafford Ks.
Teichmann #1-27
 Job Ticket: 57891 **DST#: 2**
 Test Start: 2018.08.02 @ 07:42:57

GENERAL INFORMATION:

Formation: **L/KC H**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 09:32:57 Tester: Matt Smith /Pevoteau
 Time Test Ended: 14:17:57 Unit No: 68
 Interval: **3425.00 ft (KB) To 3450.00 ft (KB) (TVD)** Reference Elevations: 1867.00 ft (KB)
 Total Depth: 3450.00 ft (KB) (TVD) 1856.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 11.00 ft

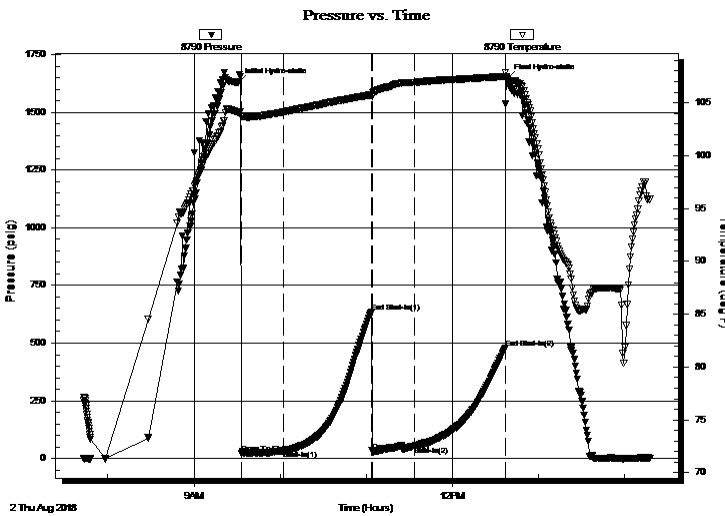
Serial #: 8790

Inside

Press@RunDepth: 54.26 psig @ 3426.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2018.08.02 End Date: 2018.08.02 Last Calib.: 2018.08.02
 Start Time: 07:43:02 End Time: 14:17:56 Time On Btm: 2018.08.02 @ 09:30:57
 Time Off Btm: 2018.08.02 @ 12:38:12

TEST COMMENT: IF: Weak blow . Increase to 1".
 IS: No blow .
 FF: Weak blow . 1/2 to 3/4" decreasing.
 FS: No blow .

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1628.22	104.09	Initial Hydro-static
2	20.99	103.67	Open To Flow (1)
32	34.81	104.14	Shut-In(1)
93	634.03	105.75	End Shut-In(1)
94	29.54	105.74	Open To Flow (2)
123	54.26	106.93	Shut-In(2)
186	479.27	107.49	End Shut-In(2)
188	1646.41	107.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Drig. mud	0.10

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dixon Operating

27-22s-12w Stafford Ks.

8100 E.22nd N. Ste 200
Wichits Ks. 67226

Teichmann #1-27

Job Ticket: 57891

DST#: 2

ATTN: Bruce Reed

Test Start: 2018.08.02 @ 07:42:57

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:

6500 ppm

Viscosity: 69.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.39 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6500.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Drig. mud	0.098

Total Length: 20.00 ft Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

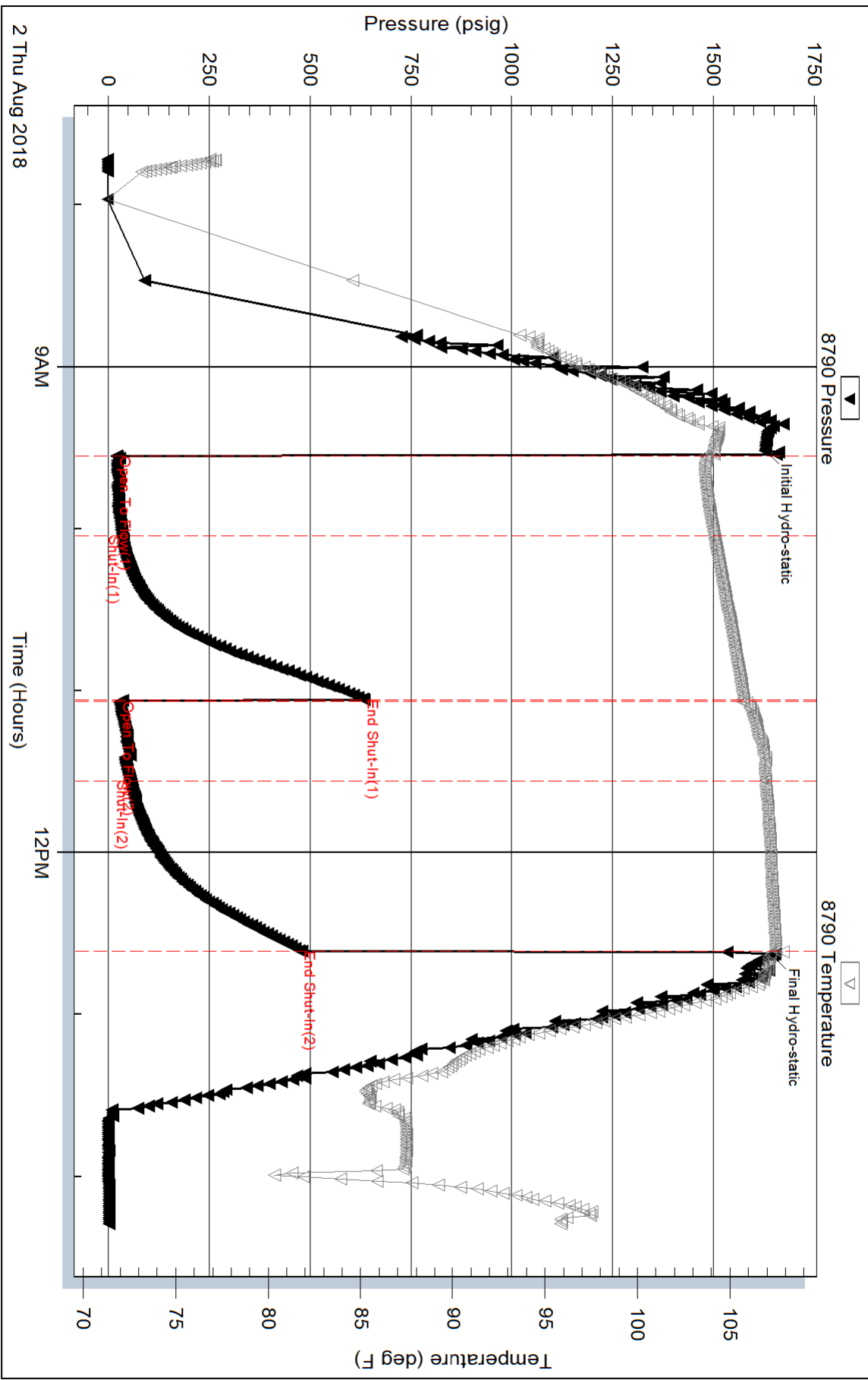
Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

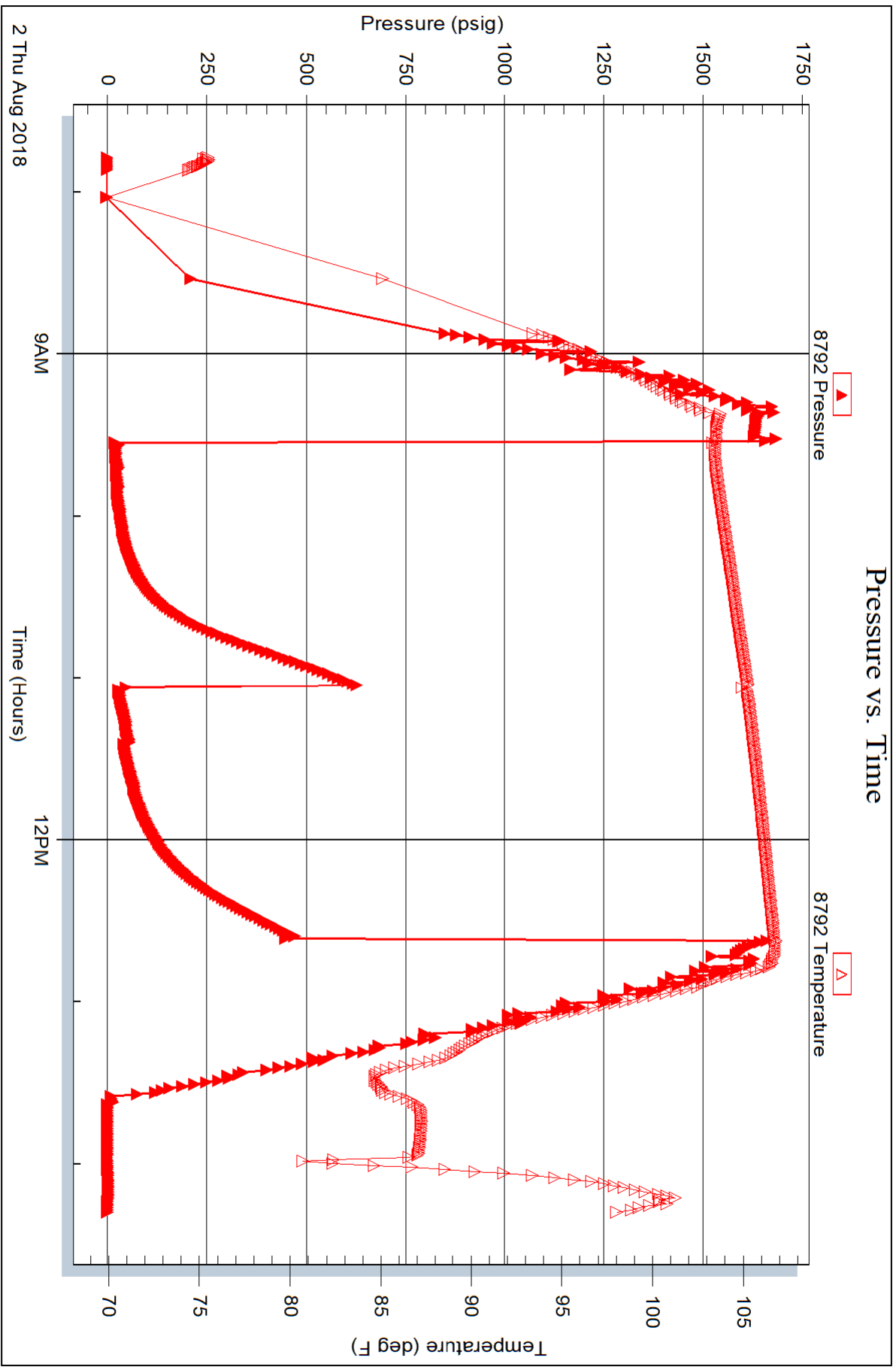


Serial #: 8792

Outside Dixon Operating

Teichmann #1-27

DST Test Number: 2



Company: Dixon Operating Company, LLC
 Address: 8100 E 22nd St N
 #300
 Wichita, KS 67226

Contact Geologist: #1-27 Teichmann
 Well Name: Section 27-22S-12W
 Location: Pool: Kansas
 State: Kansas

API: 15-185-24022
 Field: Spangenberg South
 Country: USA

Scale 1:240 Imperial

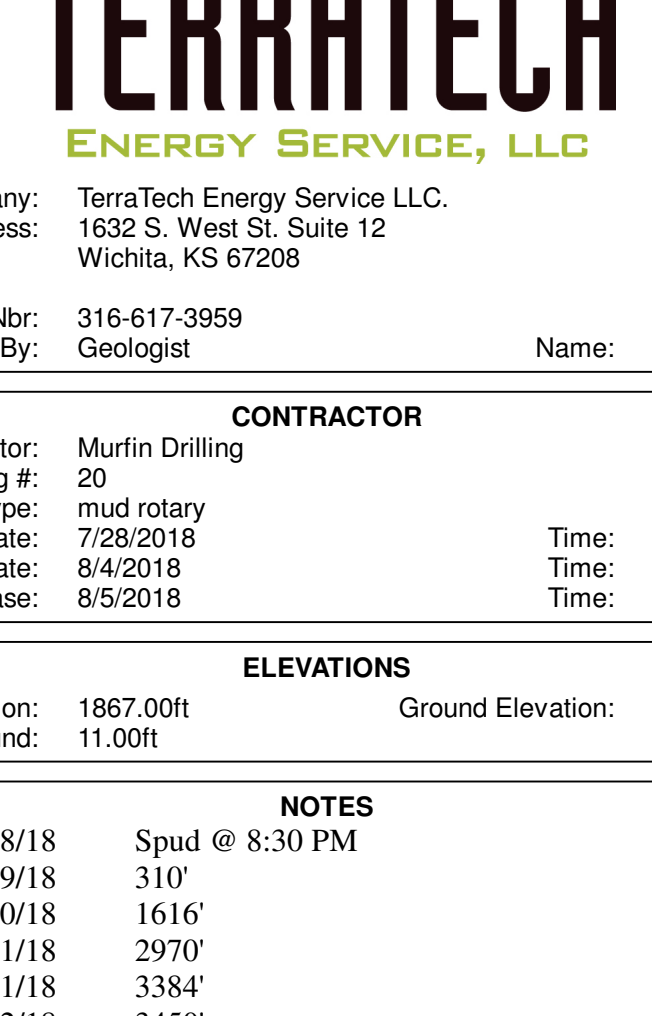
Well Name: #1-27 Teichmann
 Surface Location: Section 27-22S-12W
 Bottom Location: AFI: 15-185-24022

License Number: 7/28/2018 Time: 8:30 PM
 Spud Date: Stafford County
 Region: 8/4/2018 Time: 2:35 PM
 Drilling Completed: 3130' FSL & 330' FEL
 Surface Coordinates: Ground Elevation: 1856.00ft
 Bottom Hole Coordinates: K.B. Elevation: 1867.00ft
 Logged Interval: 2700.00ft To: 3770.00ft
 Total Depth: 3770.00ft
 Formation: Drilling Fluid Type: Chemical (MudCo)

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude: Latitude:
 N/S Co-ord: 3130' FSL
 E/W Co-ord: 330' FEL

LOGGED BY



Company: TerraTech Energy Service LLC.
 Address: 1632 S. West St. Suite 12
 Wichita, KS 67208

Phone Nbr: 316-617-3959
 Logged By: Geologist Name: Bruce Reed

CONTRACTOR

Contractor: Murrin Drilling
 Rig #: 20
 Rig Type: mud rotary
 Spud Date: 7/28/2018 Time: 8:30 PM
 TD Date: 8/4/2018 Time: 2:35 PM
 Rig Release: 8/5/2018 Time: 10:30 AM

ELEVATIONS

K.B. Elevation: 1867.00ft Ground Elevation: 1856.00ft
 K.B. to Ground: 11.00ft

NOTES

Daily Penetration: 07/28/18 Spud @ 8:30 PM
 07/29/18 310'
 07/30/18 1616'
 07/31/18 2970'
 08/01/18 3384'
 08/02/18 3450'
 08/03/18 3556'
 08/04/18 3676' Drilling completed @ 2:35 PM
 08/05/18 3770' Plug down 10:30 AM

DRILL STEM TESTS

DST #1 3309' to 3384' L/KC. Weak blow that increased to 4" during the initial flow period. Weak blow that increased to 4" during the second flow period. Recovered: 60' MW (88% water, 12% mud), 126' WM (30% water, 70% mud). IFP: 30" 20-69 psi, ISIP: 60" 1044 psi, FFP: 60" 79-109 psi, FSIP: 60" 1022 psi

DST #2 3425' to 3450' L/KC. Weak blow that increased to 1" during the initial flow period. Weak blow, 1/2 to 3/4" that decreased during the second flow period. Recovered: 20' DM (good odor). IFP: 30" 21-35 psi, ISIP: 60" 634 psi, FFP: 30" 30-54 psi, FSIP: 60" 479 psi

DST #3 3450' to 3556' L/KC. Strong blow, BOB in 10 minutes during the initial flow period. Fair blow, building during the second flow period. Recovered: 70' GIP, 90' mud with oil specks, 85' MW (72% water, 28% mud), 120' SW IFP: 30" 51-101 psi, ISIP: 60" 669 psi, FFP: 60" 114-150 psi, FSIP: 90" 585 psi

DST #4 3604' to 3676' Viola/Simpson. Strong blow, BOB in 2 minutes during the initial flow period. Fair blow, increased to 10" during the second flow period. Recovered: 65' GIP, 125' GCMW (3% gas, 76% water, 30% mud), 625' SGCW IFP: 30" 211-257 psi, ISIP: 60" 597 psi, FFP: 60" 302-345 psi, FSIP: 90" 601 psi

FORMATION TOPS

Formation	Sample Top	Datum	Log Top	Datum	Comparison*
Heebner	3143'	-1276	3144'	-1277	-14
Brown Lime	3276'	-1409	3276'	-1409	-15
Lansing	3304'	-1437	3308'	-1437	-16
Stark	3494'	-1627	3493'	-1626	-12
Base KC	3549'	-1682	3546'	-1679	-12
Viola	3604'	-1737	3600'	-1733	-45
Simpson	3637'	-1770	3636'	-1769	-34
Sand	3659'	-1792	3659'	-1792	-38
Arbuckle	3692'	-1825	3690'	-1823	-50

*Anstine & Musgrove, #4 Spangenberg, 2,080' FSL / 580' FWL, Section 26-22S-12W Stafford County, Kansas

ROCK TYPES

Cht Dolprim Lmst fw7+ shale, gry Carbon Sh Ss

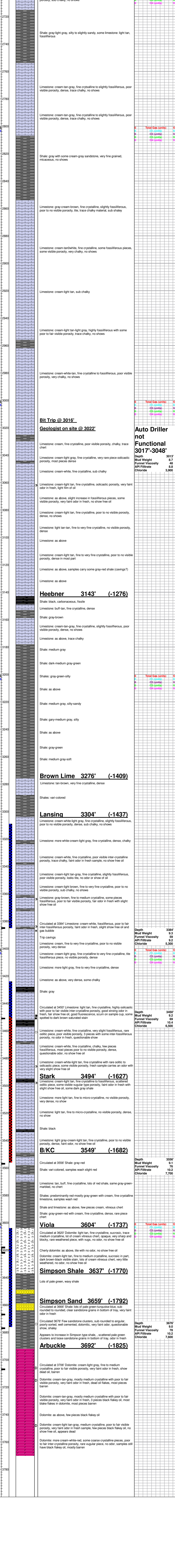
ACCESSORIES

MINERAL Dolomitic

OTHER SYMBOLS

INTERVALS
 Core DST
 Oil Show
 Good Show
 Fair Show
 Poor Show
 Spotted or Trace
 Questionable Stn
 Dead Oil Stn
 Fluorescence
 Gas

DST
 DST Int
 DST alt
 Core
 Tail pipe



STATE OF KANSAS



CORPORATION COMMISSION
CONSERVATION DIVISION
266 N. MAIN ST., STE. 220
WICHITA, KS 67202-1513

PHONE: 316-337-6200
FAX: 316-337-6211
<http://kcc.ks.gov/>

GOVERNOR JEFF COLYER, M.D.

SHARI FEIST ALBRECHT, CHAIR | JAY SCOTT EMLER, COMMISSIONER | DWIGHT D. KEEN, COMMISSIONER

December 04, 2018

TJ Dixon
Dixon Operating Company, LLC
8100 E. 22ND ST N BLDG 300, SUITE 200
WICHITA, KS 67226

Re: ACO-1
API 15-185-24022-00-00
TEICHMANN 1-27
NE/4 Sec.27-22S-12W
Stafford County, Kansas

Dear TJ Dixon:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 7/29/2018 and the ACO-1 was received on December 04, 2018 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department