

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 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				

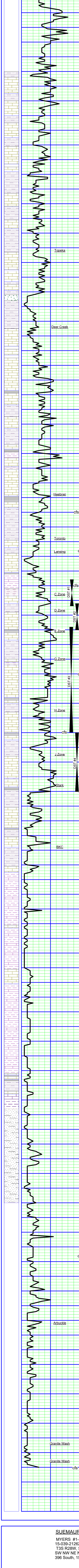
1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted 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:	
----------------	-------	---------	------------	--



DRILLED TO 3284' W/PDC BIT

SAMPLE DESCRIPTION

SH; Gray + SD; Brown, med-hard + LS; Gray, fine crystalline to dense, black mottled (3350)

3350 LS; Cream/gray, fine crystalline, foss, chalky + SH; Gray, sandy (3360)

LS; Gray, mottled, fine crystalline, foss, chalky, sandy, chalky + SH; Gray, sandy + SH; Black (3370) MORGAN MUD CHECK 3356' VIS 52W/T 9.3W/L 6.0L/CM #F CHLORIDES: 700 PPM

LS; Tan/gray, fine crystalline, ool/foss, chalky, sandy w/tr shale clast + SH; Red/gray, sandy (3380)

LS; Tan/gray, fine crystalline to dense, foss, sandy + SH; Red/gray, sandy+ SD; Gray, fine grained (3390)

LS; Gray, very fine crystalline to dense, foss, chalky + SH; Gray, sandy + SD; Gray, fine grained, friable (3400)

3400 LS; Cream/gray, fine crystalline, foss, cherty (inclusion), chalky (3410)

LS; Cream/tan/gray, fine crystalline, foss, chalky (soft) + SH; Gray, sandy, blocky (3420)

LS; Cream/lt gray, fine crystalline, ool/foss, chalky + LS; Gray, dense, arg (3430)

SH; Red, sandy + LS; Gray, very fine crystalline, chalky (3440)

LS; Cream/gray, fine to coarse crystalline, foss, sl dolo, chalky (3450)

3450 LS; Cream/gray, fine crystalline, foss, sl dolo, chalky w/red shale discoloration + SH; Red, sandy (3460)

SH; Red, sandy + LS; Gray, dense, arg/foss (3480)

LS; Lt gray, fine crystalline to dense, foss, cherty + tr SH; Black (3490)

LS; Cream/lt gray, fine crystalline, foss, chalky + SH; Red, sandy (3500) very foss, granular w/tr coarse crystalline (3510)

3500 SH; Red/gray, sandy (3510)

LS; Cream/lt gray, fine crystalline, foss + SD; Cream, fine grained, subang, calc, friable + SH; Red, sandy (3520)

SH; Red, sandy (3530)

LS; Cream, fine crystalline, ool/foss, granular, chalky + LS; Cream/gray, dense (3540)

LS; Cream/lt gray, fine crystalline, foss, sl dolo, chalky (soft) tr SH; Red, Sandy (3550)

LS; Cream, fine crystalline, ool/foss, granular, chalky, fair moldic por (barren) (3560)

LS; Cream, fine crystalline, foss-subgranular, chalky, fair moldic por(barren) (3570)

SH; Black (tr 3570/incr 3580)

LS; Tan, fine crystalline, foss, chalky, tr gray shale disc (dead stain?) (3580)

SH; Red, sandy (3590)

LS; Cream, fine to coarse crystalline, very foss w/poor moldic por (barren) (3590)

LS; Cream/lt gray, fine crystalline, foss, chalky w/red shale discoloration + SH; Red, sandy + SD; Gray, fine grained, friable (3600)

3600 LS; Cream, fine crystalline, foss-granular, chalky (3610)

SH; Black (3610-3620)

LS; Cream, fine crystalline, ool/foss, chalky (3620)

SH; Gray (3630)

LS; Cream/lt gray, fine crystalline, ool-granular, chalky, soft (3630-3640)

LS; Gray, fine crystalline to dense, foss, chalky (soft) + SH; Gray (3650)

SH; Black, carb (3650-3650/15")

LS; Gray, dense, hard, sl foss (3650/15")

3650 SH; Red/maroon (3650/30 trace)

SH; Red/gray, sandy + LS; Cream, fine crystalline, foss (3660)

SH; Red/gray, silty-sandy (3670)

LS; Cream/white, fine crystalline, ool, chalky, tr black residual flaky dead oil, fair moldic por (3676/15-30")

SH; Red, sandy (3688)

LS; Cream/white, fine crystalline, ool/foss, good vug por (barren), very chalky (3688/15")

LS; Tan, fine crystalline, foss, dolo, chalky, good vug por, tr dead oil stain (black) + SH; Black (3700)

SHORT TRIP 3700' 10 STANDS

LS; Cream/lt gray, fine crystalline to dense, poor intercrystalline por, patchy black stain (dead) few sticky oil flakes + SH; Red/green, sandy, SD; Gray, friable (3700/15-30")

SH; Red, silty (3710)

LS; Lt gray, fine crystalline, foss-granular, fair to good moldic por, gsfo-free oil in sample cup, odor, med to dark brown sat on dry (3714-3714/15") tr fair vug por (3714/30-45")

SH; Blue-green/red (3714/45")

LS; Cream/lt gray, med to coarse crystalline, dolomitic, ool in part, tr orange chert inclusions, good vug/intercrystalline por, sfo, odor, med to dark sat on dry sample (3730)

LS; Cream/gray, fine crystalline to dense, sl foss, chalky (3730/15-30")

SH; Black/dark gray/red (3740)

LS; Cream/lt gray, fine crystalline, ool/foss, granular, fair to good moldic por, sfo (black-brown), fair odor, med gray-brown stain on dry sample (3740/15")

SH; Red, silty-sandy (3740/30")

SH; Red, silty, soft (3750)

3750 LS; Cream/lt gray, fine crystalline, ool, chalky, tr chert/pyrite inclusions (3760) SH; Red/green gray, silty (3760/15")

LS; Cream, fine crystalline, ool-granular w/fair to good moldic por, tr pyrite, some coarse crystalline regrowth in por, sfo, fair odor, light to med brown stain on dry sample (3760/15")

LS; Cream, fine crystalline, foss, subgran, chalky, fair moldic por, sfo, very faint odor (3760/45")

LS; Cream, fine crystalline to dense, foss + LS; Gray, dense (3770)

JET/ADDED PREMIX

LS; Cream/gray, dense, sl foss, chalky, sl cherty + SH; Gray (3780)

SH; Black (3790)

SH; Red, silty (3790)

LS; Cream/white, fine crystalline, ool-granular w/fair to good intergran moldic por, sfo, fair odor, med sat on dry sample (3800)

LS; Cream/tan/gray, very fine crystalline to dense, foss, tr coarse crystalline in veins, tr frac por w/ssfo, light stain on dry sample (3800/15"), increase LS; Gray, dense (3800/30-60")

SH; Black/green (3810)

LS; Cream/lt gray, dense (3810)

SH Red/maroon, silty-sandy (3820)

LS; Cream, fine crystalline, ool-granular, tr chert matrix/sl pyr w/fair to good moldic por, gsfo, strong odor, med gold brown sat on dry (3830)

LS; Lt Gray, dense, blocky, sl foss w/tr fracture/poor moldic por sfo odor, gold brown stain on dirt (3840-3840/15")

SH; Dark gray/red (3840/30-45") MORGAN MUD CHECK 3840' VIS 52W/T 9.3W/L 6.0L/CM #F CHLORIDES: 1.200 PPM

SH; Maroon/green, silty, sandy (3850-3860)

LS; White, fine crystalline to dense (3860)

LS; Cream/tan, dense, sl foss, tr poor moldic por, vssfo (3868/15")

LS; Cream, fine crystalline, foss, tr coarse crystalline w/intercrystalline por, vssfo, no odor + LS; Cream/lt gray, dense, foss, chalky, sl cherty (3868/30")

SH; Black + SH; Gray, sandy (3868/45-60")

SH; Brown (3880)

LS; Tan, fine crystalline, blocky, foss, tr ppt por, spot stain (3880)

LS; Tan/cream, dense, chalky w/tr poor edge stain (3880/15-30")

SH; Dark gray + SH; Red (3880/30") w/tr SD; Tan, friable (3880/40")

SH; Red/gray + SD; Red, fine grained, friable (3890-3900)

3900 LS; Cream, very fine crystalline to dense, foss, sl chalky (3910-3920)

LS; Gray, dense, arg +SH; Red/gray, sandy (3930)

SH; Red/green/purple + LS; Gray, dense, blocky, arg (3940)

SH; Purple/gray, sandy, tr SD; White, fine grained, friable + LS; Gray, dense, arg (3950) + SH; Red, silty + SD; Red, calc (3960)

SH; Maroon/gray, sandy +LS; Gray, dens, sl foss, arg in part + SD; Maroon, fine grained, friable (3970)

3950 SH; Red/maroon/gray + SD; Red, fine grained, shaley + SD; White, fine grained, arg, friabel + LS; Lt gray, dense, hard, arg (3980)

LS; Tan/cream, dense, blocky, chalky arg in part + SH; Red/gray/maroon + SH; Dark gray (3990)

SH; Red/green/dark gray + LS; Cream/tan, dense, sl foss, sub chalky + SD; Red/w/ yellow mineral stain, fine grained, hard, calc (4000)

SH; Red/green-gray, silty-sandy + SD; Red/gray, fine grained, friable + LS; Cream/gray, very fine crystalline to dense (4010)

LS; Lt gray, dense, sl cherty, chalky + LS; Gray, dense, sandy +SH; Maroon/green, silty, sandy (4020)

4000 SH; Red/maroon/gray, mottled in part + SD; Lt gray, calc, friable (4030)

SH; Maroon/olive, silty w/calc nods (4040)

SH; Pale gray/red/olive, silty, tr SD; White, fine grained, friable + LS; Lt Gray, dense, arg (4050)

SH; Gray/red, soft, sandy + LS; Gray, dense, foss + LS; Tan, dense w/coarse sd grains embedded, tr SD; Gray, silty, soft, friable, tr minute dead oil flakes, + SH; Dark gray, platy (4060)

4050 LS; Cream/white, dense w/some red shale discoloration + SH; Red/green, silty, sandy + + SS; Cream/tan, med -coarse, subrounded, poorly sorted, well cem to hard blocky + SH; Pale green, soft w/tr embedded coarse sd grains(4060/30") +increase SH; Red/gray + LS; Gray, dense (4060/60")

SD; White, calc, poorly sorted, well-cem + LS; White/gray, dense + SH; Red/green/tr black (4080)

SD; Clear, coarse, subangular to subrounded, sl glauc, tr dead flaky oil(black) + SH; Red/green, mottled in part + LS; Cream/white, dense (4090)

SH; Olive/maroon, Dark gray + SD; Clear, coarse, subrounded + Weathared feldspar/fresh quartz, pink/orange (4100-4110)

4100 SH; Maroon/green/gray, SD; Clear, coarse, subrounded, few clusters w/trace dead oil flakes, w/tr fresh quartz/feldspar (4120) increase SD; Clear, coarse, sl glauc (4120/15")

increase Feldspar/fresh quarts + SH; Red/gray, sandy (4120/30")

+LS; White, dense w/coarse sd embedded (4120/45")

SD; Clear, coarse, subangular to subrounded, loose (4130)

SH; Red, sandy, gummy, c halky + SD; White, fine grained, angular + LS; Tan/gray, dense, chalky (4140)

SH; Red/gray + Chert; White, blocky (4150)

SH; Red, blocky + SH; Green/olive, brittle + Chert; White, blocky +LS; Cream/tan, dense, trace SD; Clear, loose (4156")

+Chert; White, weathered, vuggy w/red shale discoloration + LS; Gray, fine crystalline, trace sticky oil (1 piece), weak flour (4156/15")

+LS; Gray, fine crystalline, foss (4156/30")

Chert; White, tripolitic (abundant) (4156/45")

Chert; White/orange, sl tripolitic, sharp, + SH; Red/green/olive + SS; Red, shaley, hard (4170)

Chert; White/orange + LS; Gray/tan, dense + SH; Brick red (4180)

SH; Brick red, sandy, hard + Chert; White, angular to sharp w/some red shale discoloration (4190)

LS; Gray, dense + SH; Brick red, sandy, hard w/chert inclusion + SH; Pale gray + tr Dolo; Gray, fine crystalline (4200)

Dolo; Red (shaley), white, fine to coarse crystalline, tr poor vug por (barren), mostly tight + SD; White, fine grained, angular, SH; Olive, brittle (4210)

4200 Dolo; Red, med to coarse crystalline w/tr Dolo; Lt gray, med crystalline glauc, fair vug por (barren) (4220)

Dolo; Tan w/red, sl glauc, med to coarse crystalline, fair vug por/intercrystalline por (barren), dull fl + SH; Red/black (4220/15")

increase red dolo/glaucitic dolo, fair intercrystalline por (barren), tr dense dolo (4220/30")

Dolo; Pink-red, med to coarse crystalline, glauc, sandy + SH; Pale green/tan (4220/45")(increase sandy dolo/glauc dolo)

Dolo; Red, fine crystalline (4230)

Dolo; Pink/red/tan, sandy + SH; Brick red, sandy/SH; Green (4240)

Dolo; Tan/pink, med crystalline, glauc + Dolo; Tan, sandy + SH; Red, gritty (4250)

Dolo; Gray/red, coarse crystalline to dense, glauc, sandy + SD; Clear, fine grained, glauc, tr weath qts + SH; Tan/red (4260)

Dolo; Pink/gray, fine to med crystalline, glauc, sandy + Dolo; Pnk, dense, some weath feldspar + SH; Olive (4270)

4250 Dolo; Cream, med crystalline, glauc, chalky +SH; Red, blocky w/hematite nod, weath feldspars (4280)

Dolo; Cream/red, med crystalline, glauc, chalky + SH; Red, blocky, sandy (4290) increase sandy/glauc, weathared feldspar, pink/gray, weath/Qtz; Clear, weath (4300)

Dolo; Cream, med crystalline, sandy (coarse), glauc, hard + SD; Clear, coarse, well rounded friable to hard (red), few loose grains, + weathared granite /Shale; Gray, salmon(4300/30")

4300 Weathered granite: Pink/white +SH' Olive/gray/black (4300/60")

SUEMAUR EXPLORATION & PRODUCTION, LLC

MYERS #1-17
15-039-21262-00-00
T3S R28W, Sec. 17
3W NW NE NW
396 South, 1599 East, from NW corner

ELEVATION
KB: 2688'
GL: 2683'
LOG MEASURED
FROM: KB



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Suemaour Expl. & Prod. LLC.

17-2s-28w Decatur KS

555 N. Carancahua
STE 1230
Corpus Christi Tx 78401
ATTN: Bob Peterson

Meyers #1-17

Job Ticket: 65268

DST#: 4

Test Start: 2019.07.25 @ 10:00:00

GENERAL INFORMATION:

Formation: **LKC " J "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:42:40

Time Test Ended: 18:16:20

Test Type: Conventional Bottom Hole (Reset)

Tester: Ryan Nichols

Unit No: 71

Interval: 3800.00 ft (KB) To 3840.00 ft (KB) (TVD)

Reference Elevations: 2693.00 ft (KB)

Total Depth: 3840.00 ft (KB) (TVD)

2688.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8366 Outside

Press@RunDepth: 206.80 psig @ 3801.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.07.25 End Date: 2019.07.25

Last Calib.: 2019.07.25

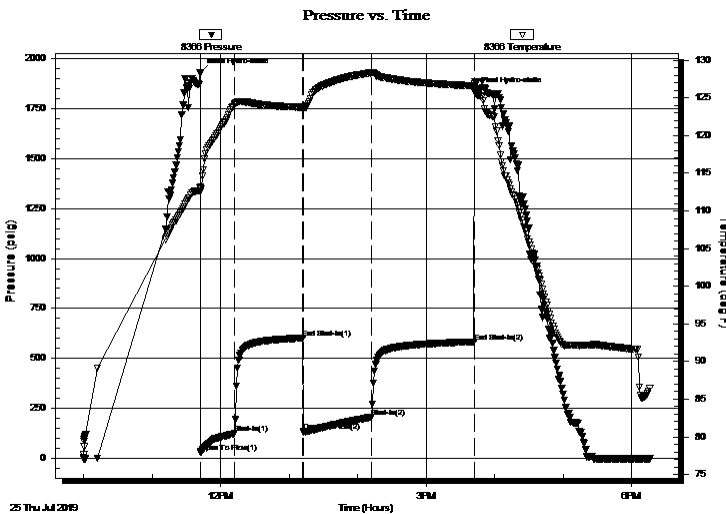
Start Time: 10:00:01 End Time: 18:16:20

Time On Btm: 2019.07.25 @ 11:42:20

Time Off Btm: 2019.07.25 @ 15:42:40

TEST COMMENT: 30 IF - Blow built to 8"
60 ISI - Surface return started @ 6 mins died @ 20 mins
60 FF - Blow built to 7" died back to 6 1/4"
90 FSI - Surface return built to 1/2" died @ 40 mins

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1930.93	113.11	Initial Hydro-static
1	29.71	112.52	Open To Flow (1)
31	124.47	124.19	Shut-In(1)
90	601.48	123.77	End Shut-In(1)
91	133.42	123.54	Open To Flow (2)
151	206.80	128.35	Shut-In(2)
240	583.38	126.62	End Shut-In(2)
241	1833.32	126.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	VSOMCW - 2%o - 30%M - 68%W	0.30
189.00	VSOMCW - 2%o - 5%W - 93%W	1.56
63.00	OMCW - 5%o - 30%M - 65%W	0.88
68.00	OWCM - 10%o - 45%W - 45%M	0.95
55.00	GO - 30%G - 70%o	0.77
0.00	150' GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Suemaaur Expl. & Prod. LLC.

17-2s-28w Decatur KS

555 N. Carancahua
STE 1230
Corpus Christi Tx 78401
ATTN: Bob Peterson

Meyers #1-17

Job Ticket: 65268

DST#: 4

Test Start: 2019.07.25 @ 10:00:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 52.00 sec/qt
Water Loss: 6.00 in³
Resistivity: ohm.m
Salinity: 1200.00 ppm
Filter Cake: 2.00 inches

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

Oil API: 34 deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	VSOMCW - 2%o - 30%M - 68%W	0.295
189.00	VSOMCW - 2%o - 5%W - 93%W	1.558
63.00	OMCW - 5%o - 30%M - 65%W	0.884
68.00	OWCM - 10%o - 45%W - 45%M	0.954
55.00	GO - 30%G - 70%o	0.772
0.00	150' GIP	0.000

Total Length: 435.00 ft Total Volume: 4.463 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: GRAVITY = 37 @ 90 DEG F = 34 COR 60 DEG F
RW = .286 @ 85 DEG F
CHLORIDES = 19,000 ppm



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Suemaaur Expl. & Prod. LLC.

17-2s-28w Decatur KS

555 N. Carancahua
STE 1230
Corpus Christi Tx 78401
ATTN: Bob Peterson

Meyers #1-17

Job Ticket: 65267

DST#: 3

Test Start: 2019.07.24 @ 17:40:00

GENERAL INFORMATION:

Formation: **LKC " E - H "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:29:20

Time Test Ended: 01:42:50

Test Type: Conventional Bottom Hole (Reset)

Tester: Ryan Nichols

Unit No: 71

Interval: 3728.00 ft (KB) To 3800.00 ft (KB) (TVD)

Reference Elevations: 2693.00 ft (KB)

Total Depth: 3800.00 ft (KB) (TVD)

2688.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8366 Outside

Press@RunDepth: 104.73 psig @ 3729.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.07.24

End Date:

2019.07.25

Last Calib.:

2019.07.25

Start Time: 17:40:01

End Time:

01:42:50

Time On Btm:

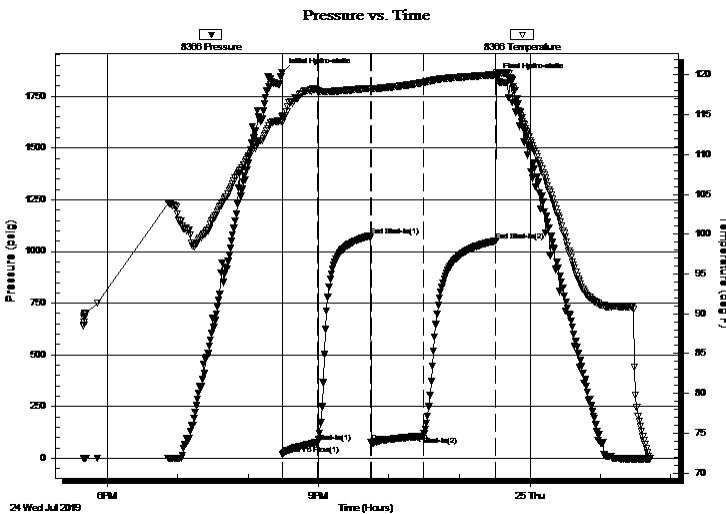
2019.07.24 @ 20:29:10

Time Off Btm:

2019.07.24 @ 23:31:50

TEST COMMENT: 30 IF - Blow built to 2 1/2"
45 ISI - No return
45 FF - Blow built to 2"
60 FSI - No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1865.85	114.87	Initial Hydro-static
1	19.66	113.99	Open To Flow (1)
30	74.98	118.03	Shut-In(1)
75	1075.05	118.34	End Shut-In(1)
76	75.05	118.19	Open To Flow (2)
120	104.73	119.06	Shut-In(2)
182	1051.15	120.03	End Shut-In(2)
183	1842.84	120.33	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	OCM - 20%o - 80%M	0.89
5.00	FO 100%o	0.07

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Suemaour Expl. & Prod. LLC.

17-2s-28w Decatur KS

555 N. Carancahua
STE 1230
Corpus Christi Tx 78401
ATTN: Bob Peterson

Meyers #1-17

Job Ticket: 65267

DST#: 3

Test Start: 2019.07.24 @ 17:40:00

GENERAL INFORMATION:

Formation: **LKC " E - H "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:29:20

Time Test Ended: 01:42:50

Test Type: Conventional Bottom Hole (Reset)

Tester: Ryan Nichols

Unit No: 71

Interval: 3728.00 ft (KB) To 3800.00 ft (KB) (TVD)

Reference Elevations: 2693.00 ft (KB)

Total Depth: 3800.00 ft (KB) (TVD)

2688.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8353 Inside

Press@RunDepth: psig @ 3729.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.07.24

End Date:

2019.07.25

Last Calib.:

2019.07.25

Start Time: 17:40:01

End Time:

01:42:50

Time On Btm:

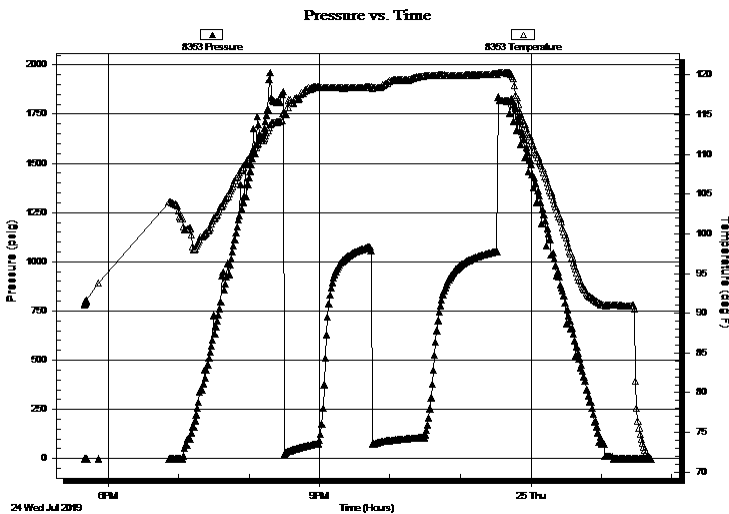
Time Off Btm:

TEST COMMENT: 30 IF - Blow built to 2 1/2"

45 ISI - No return

45 FF - Blow built to 2"

60 FSI - No return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
180.00	OCM - 20%o - 80%M	0.89
5.00	FO 100%o	0.07

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Suemaur Expl. & Prod. LLC.

17-2s-28w Decatur KS

555 N. Carancahua
STE 1230
Corpus Christi Tx 78401
ATTN: Bob Peterson

Meyers #1-17

Job Ticket: 65267

DST#: 3

Test Start: 2019.07.24 @ 17:40:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 6.40 in³

Resistivity: ohm.m

Salinity: 1100.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

28 deg API

Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	OCM - 20%o - 80%M	0.885
5.00	FO 100%o	0.070

Total Length: 185.00 ft Total Volume: 0.955 bbl

Num Fluid Samples: 0

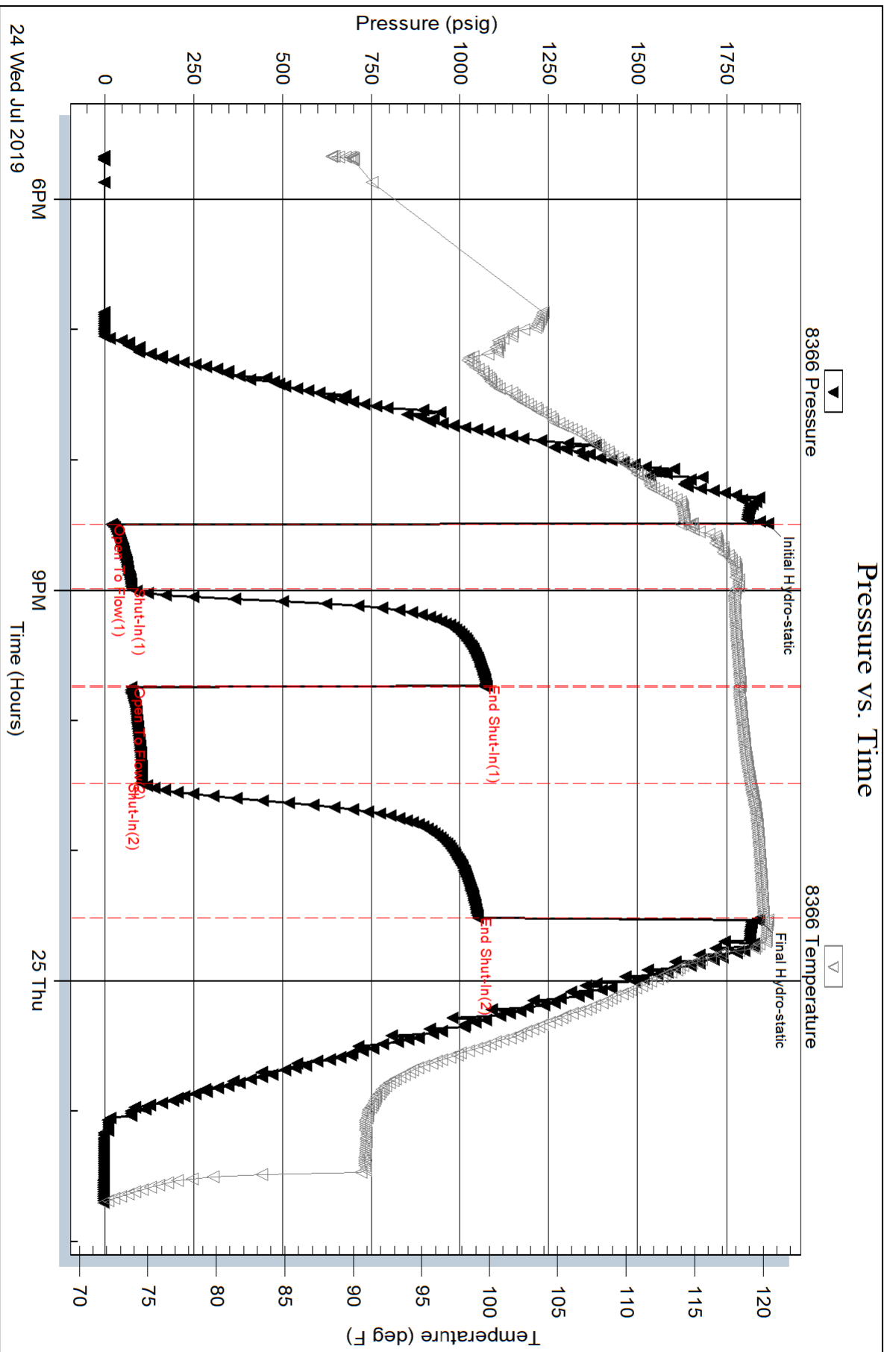
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity = 29 @ 70 DEG F = 28 COR 60 DEG F



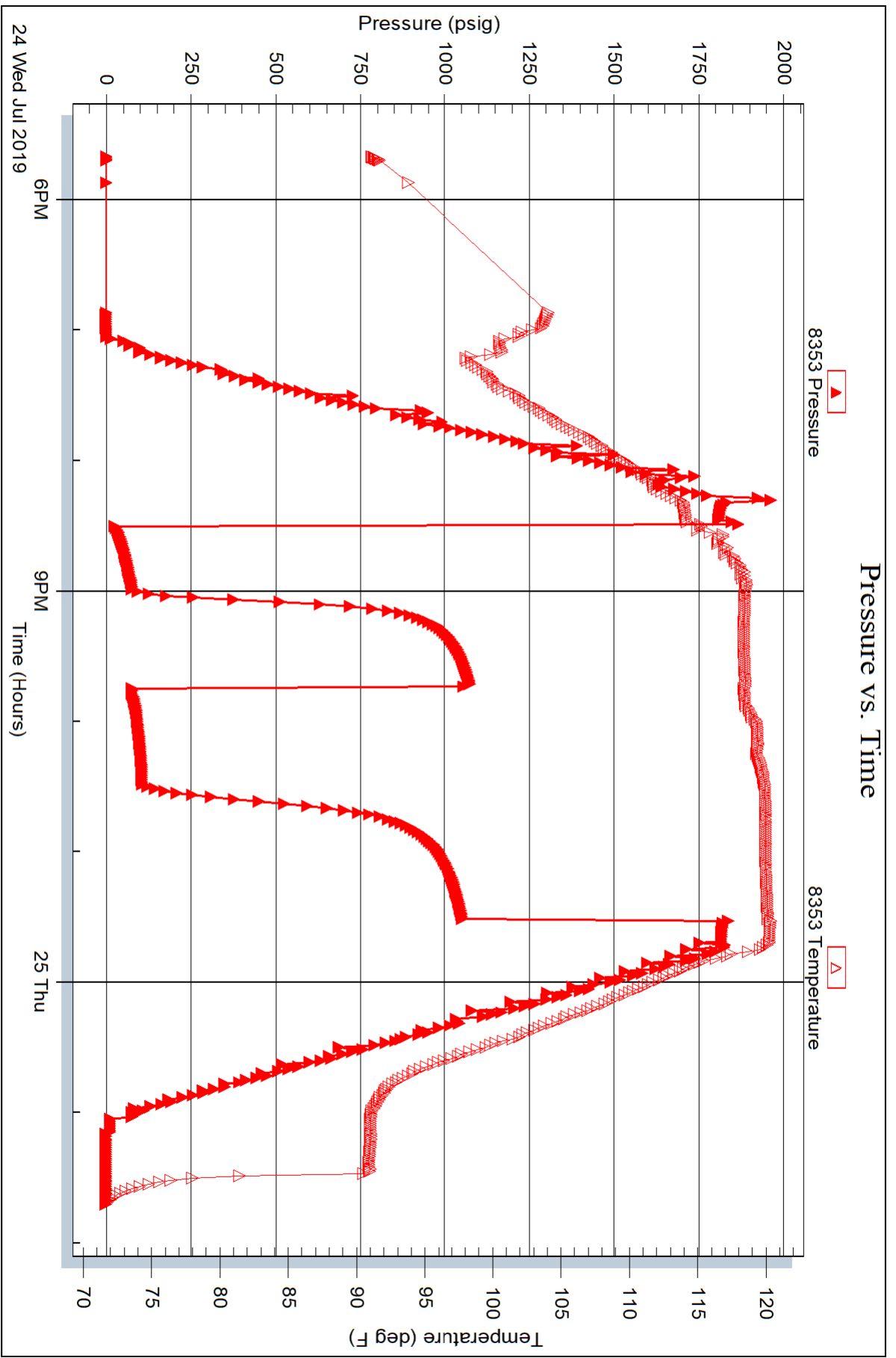
Serial #: 8353

Inside

Suenaur Expl. & Prod. LLC.

Meyers #1-17

DST Test Number: 3





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Suemaour Expl. & Prod. LLC.

17-2s-28w Decatur KS

555 N. Carancahua
STE 1230
Corpus Christi Tx 78401
ATTN: Bob Peterson

Meyers #1-17

Job Ticket: 65266

DST#: 2

Test Start: 2019.07.23 @ 23:41:00

GENERAL INFORMATION:

Formation: **LKC " D "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:17:00

Time Test Ended: 05:33:39

Test Type: Conventional Bottom Hole (Reset)

Tester: Ryan Nichols

Unit No: 71

Interval: 3712.00 ft (KB) To 3730.00 ft (KB) (TVD)

Reference Elevations: 2693.00 ft (KB)

Total Depth: 3730.00 ft (KB) (TVD)

2688.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8366 Outside

Press@RunDepth: 27.04 psig @ 3713.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.07.23

End Date:

2019.07.24

Last Calib.: 2019.07.24

Start Time: 23:41:01

End Time:

05:33:40

Time On Btm: 2019.07.24 @ 01:16:50

Time Off Btm: 2019.07.24 @ 04:03:09

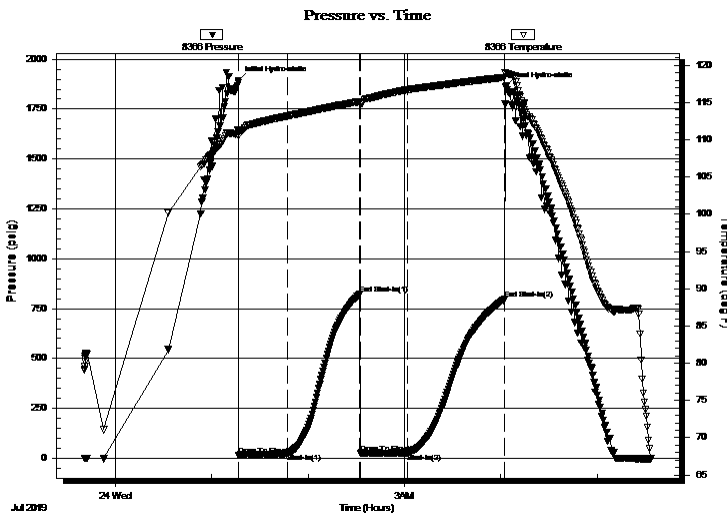
TEST COMMENT: 30 IF - Blow built to 1/2"

45 ISI - No return

30 FF - No blow

60 FSI - No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1891.90	111.41	Initial Hydro-static
1	15.34	110.56	Open To Flow (1)
31	23.61	113.17	Shut-In(1)
76	822.27	115.13	End Shut-In(1)
76	25.50	114.80	Open To Flow (2)
106	27.04	116.73	Shut-In(2)
166	797.11	118.39	End Shut-In(2)
167	1860.03	118.92	Final Hydro-static

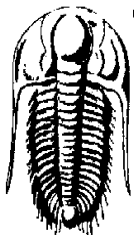
Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud w / spots in tool	0.05

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Suemaaur Expl. & Prod. LLC.

17-2s-28w Decatur KS

555 N. Carancahua
STE 1230
Corpus Christi Tx 78401
ATTN: Bob Peterson

Meyers #1-17

Job Ticket: 65266

DST#: 2

Test Start: 2019.07.23 @ 23:41:00

GENERAL INFORMATION:

Formation: **LKC " D "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:17:00

Time Test Ended: 05:33:39

Test Type: Conventional Bottom Hole (Reset)

Tester: Ryan Nichols

Unit No: 71

Interval: **3712.00 ft (KB) To 3730.00 ft (KB) (TVD)**

Reference Elevations: 2693.00 ft (KB)

Total Depth: 3730.00 ft (KB) (TVD)

2688.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: **8353**

Inside

Press@RunDepth: psig @ 3713.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.07.23

End Date:

2019.07.24

Last Calib.:

2019.07.24

Start Time: 23:41:01

End Time:

05:33:40

Time On Btm:

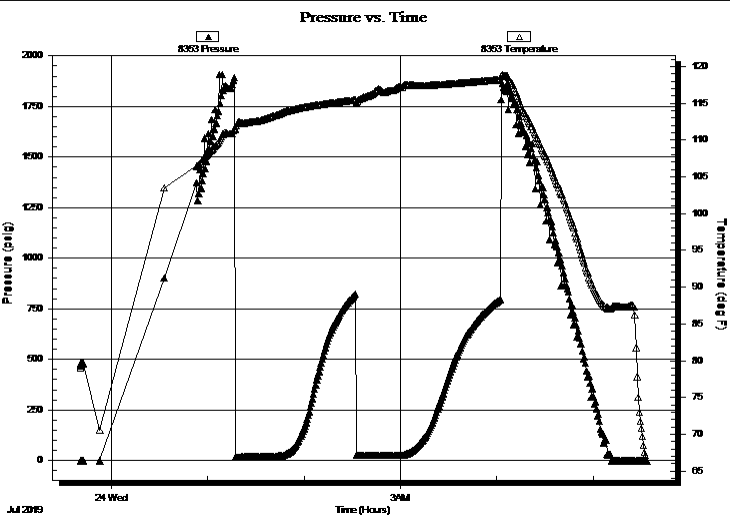
Time Off Btm:

TEST COMMENT: 30 IF - Blow built to 1/2"

45 ISI - No return

30 FF - No blow

60 FSI - No return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud w / spots in tool	0.05

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Suemaour Expl. & Prod. LLC.

17-2s-28w Decatur KS

555 N. Carancahua
STE 1230
Corpus Christi Tx 78401
ATTN: Bob Peterson

Meyers #1-17

Job Ticket: 65266

DST#: 2

Test Start: 2019.07.23 @ 23:41:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 55.00 sec/qt

Water Loss: 6.00 in³

Resistivity: ohm.m

Salinity: 800.00 ppm

Filter Cake: 2.00 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
10.00	Mud w / spots in tool	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

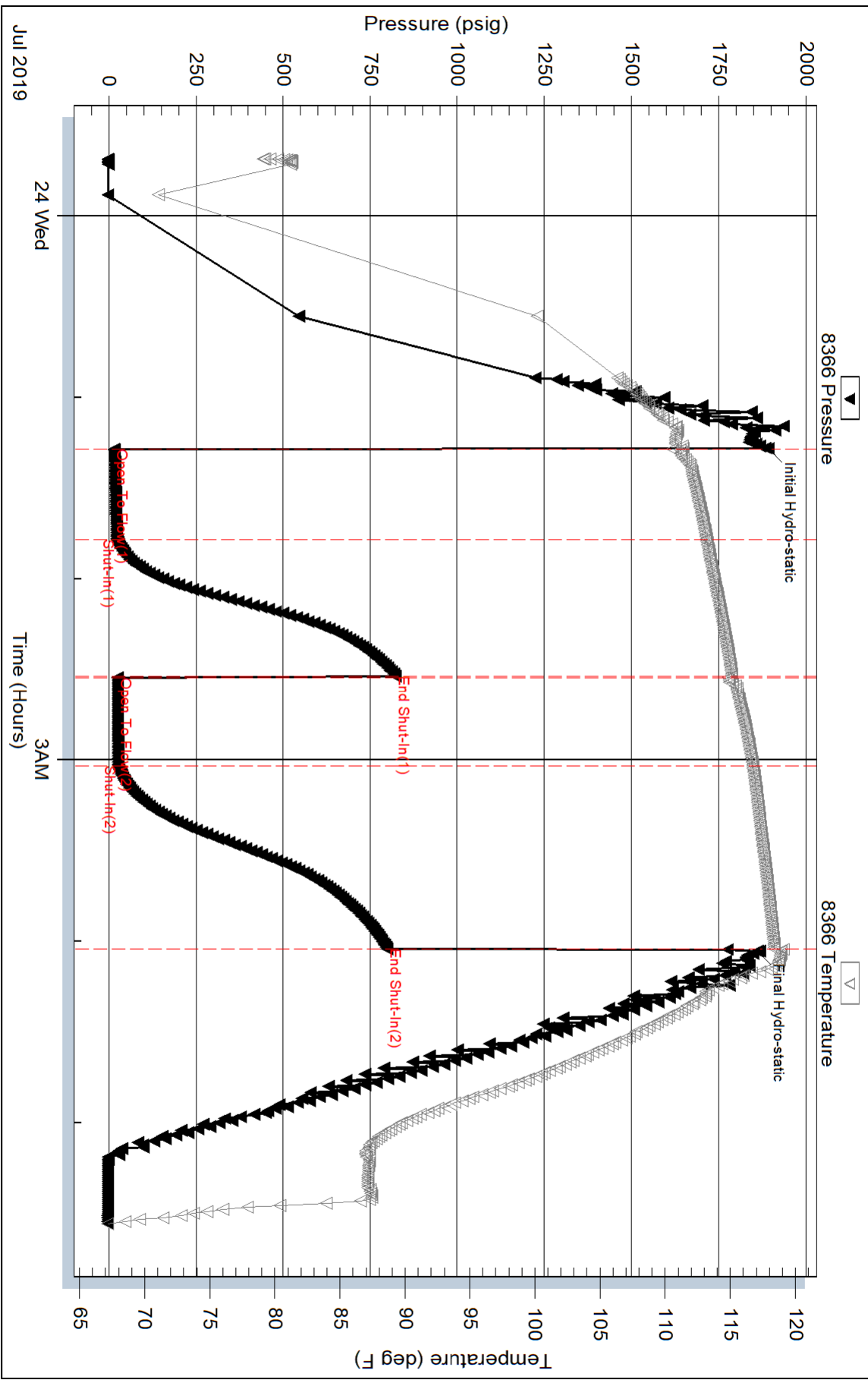
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



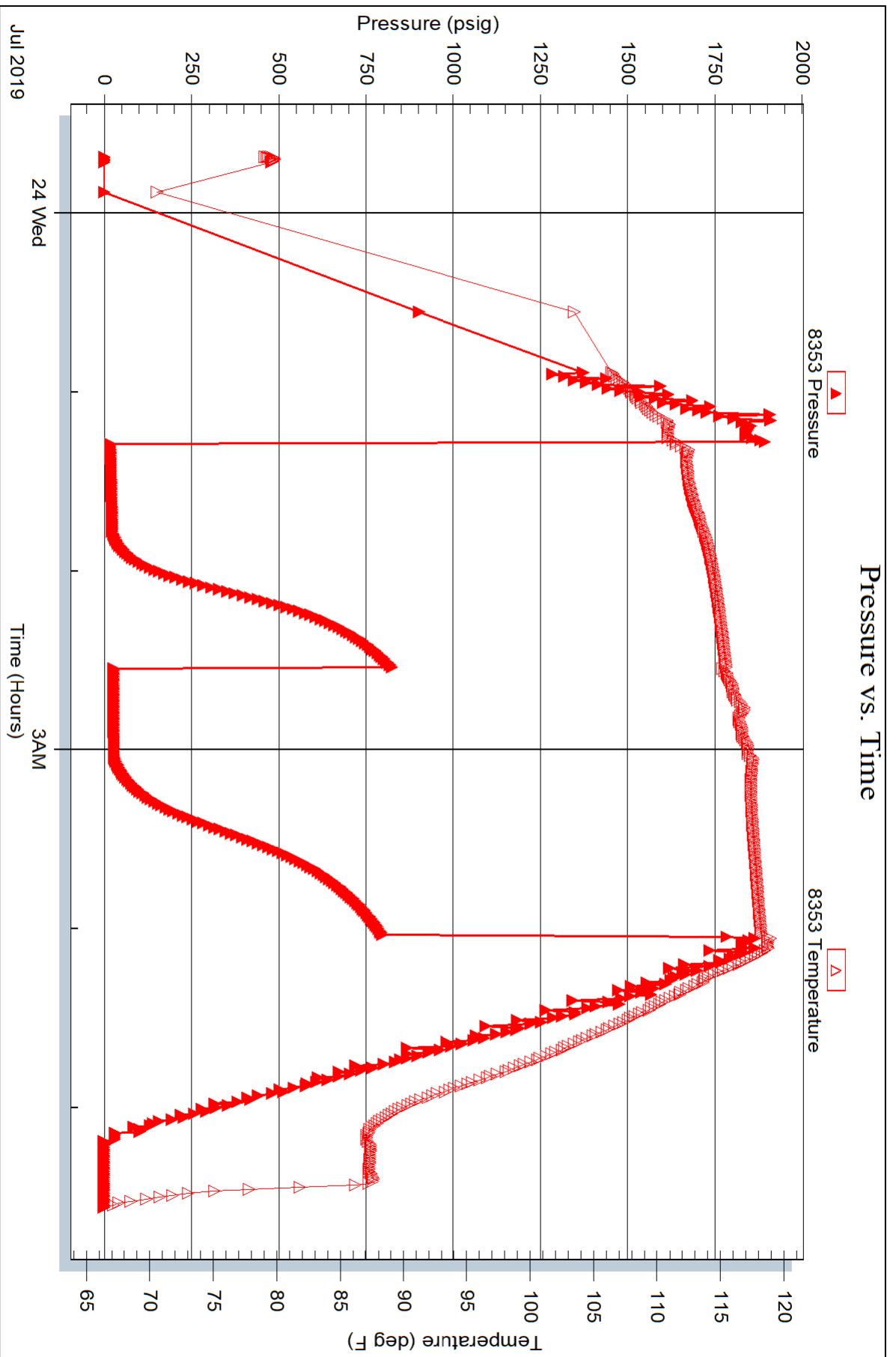
Serial #: 8353

Inside

Suenaar Expl. & Prod. LLC.

Meyers #1-17

DST Test Number: 2





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Suemaaur Expl. & Prod. LLC.

17-2s-28w Decatur KS

555 N. Carancahua
STE 1230
Corpus Christi Tx 78401
ATTN: Bob Peterson

Meyers #1-17

Job Ticket: 65265

DST#: 1

Test Start: 2019.07.23 @ 10:55:00

GENERAL INFORMATION:

Formation: **LKC " C "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:48:20

Time Test Ended: 17:31:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Ryan Nichols

Unit No: 71

Interval: 3696.00 ft (KB) To 3714.00 ft (KB) (TVD)

Reference Elevations: 2693.00 ft (KB)

Total Depth: 3714.00 ft (KB) (TVD)

2688.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8366 Outside

Press@RunDepth: 15.56 psig @ 3697.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.07.23

End Date:

2019.07.23

Last Calib.:

2019.07.23

Start Time: 10:55:01

End Time:

17:31:00

Time On Btm:

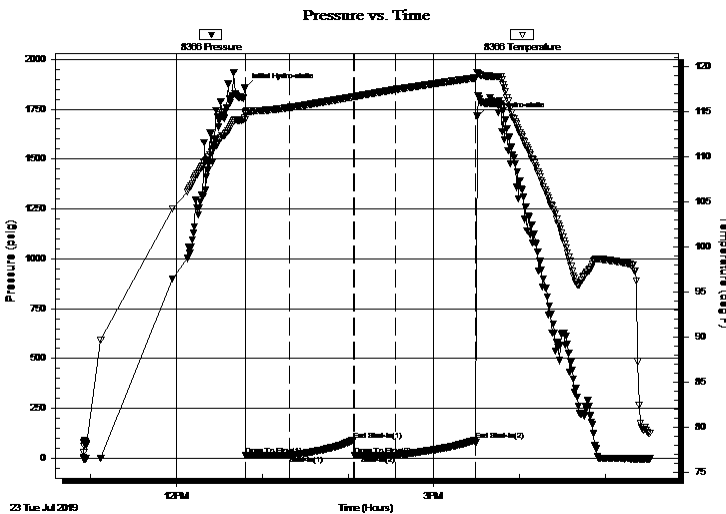
2019.07.23 @ 12:48:10

Time Off Btm:

2019.07.23 @ 15:30:09

TEST COMMENT: 30 IF - Blow built to 1/8" died @ 28 mins
45 ISI - No return
30 FF - No blow
60 FSI - No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1859.19	114.94	Initial Hydro-static
1	14.35	114.09	Open To Flow (1)
31	15.93	115.44	Shut-In(1)
76	91.43	116.63	End Shut-In(1)
77	15.21	116.63	Open To Flow (2)
105	15.56	117.45	Shut-In(2)
161	91.72	118.72	End Shut-In(2)
162	1714.21	119.33	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	MCO - 30%M - 70%o	0.02

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Suemaaur Expl. & Prod. LLC.

17-2s-28w Decatur KS

555 N. Carancahua
STE 1230
Corpus Christi Tx 78401
ATTN: Bob Peterson

Meyers #1-17

Job Ticket: 65265

DST#: 1

Test Start: 2019.07.23 @ 10:55:00

GENERAL INFORMATION:

Formation: **LKC " C "**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:48:20
 Time Test Ended: 17:31:00

Test Type: Conventional Bottom Hole (Initial)
 Tester: Ryan Nichols
 Unit No: 71

Interval: **3696.00 ft (KB) To 3714.00 ft (KB) (TVD)**
 Total Depth: 3714.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good

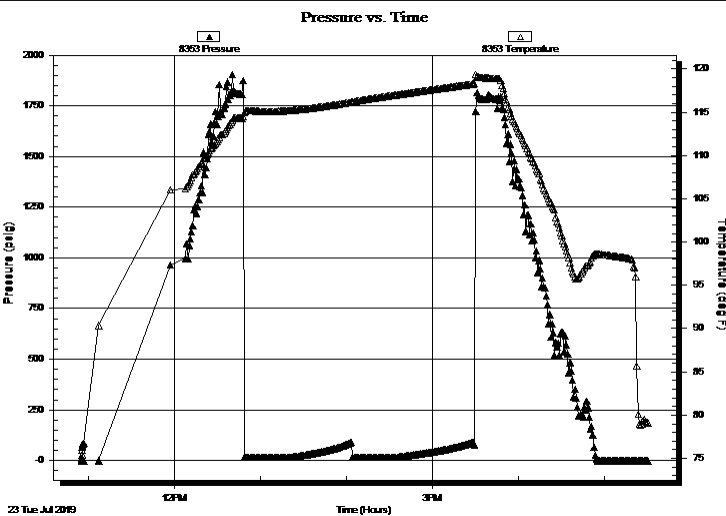
Reference Elevations: 2693.00 ft (KB)
 2688.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8353

Inside

Press@RunDepth: psig @ 3697.00 ft (KB)
 Capacity: 8000.00 psig
 Start Date: 2019.07.23 End Date: 2019.07.23 Last Calib.: 2019.07.23
 Start Time: 10:55:01 End Time: 17:30:40 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30 IF - Blow built to 1/8" died @ 28 mins
 45 ISI - No return
 30 FF - No blow
 60 FSI - No return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	MCO - 30%M - 70%o	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Suemaaur Expl. & Prod. LLC.

17-2s-28w Decatur KS

555 N. Carancahua
STE 1230
Corpus Christi Tx 78401
ATTN: Bob Peterson

Meyers #1-17

Job Ticket: 65265

DST#: 1

Test Start: 2019.07.23 @ 10:55:00

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: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.00 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	MCO - 30%M - 70%o	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

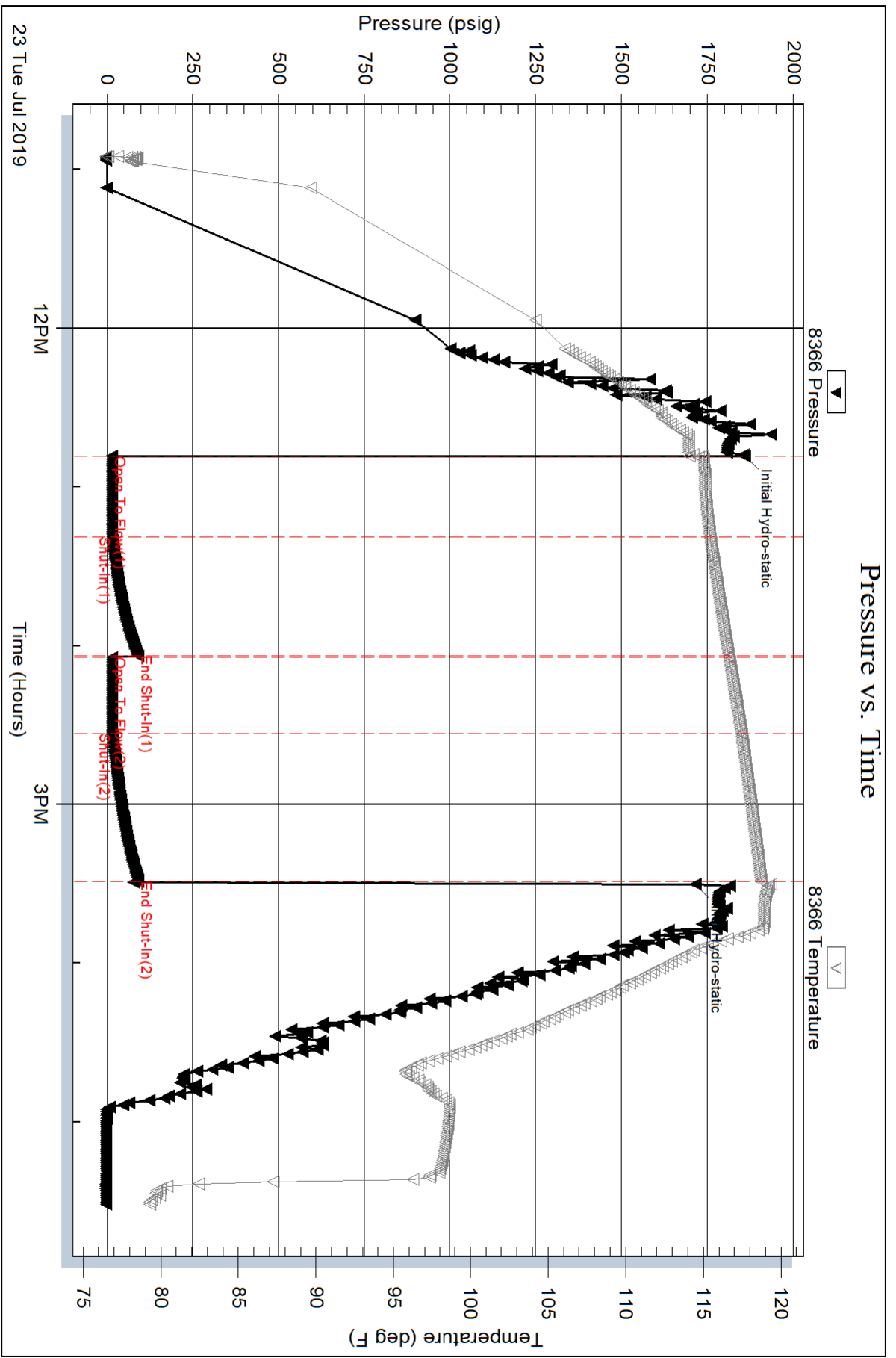
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



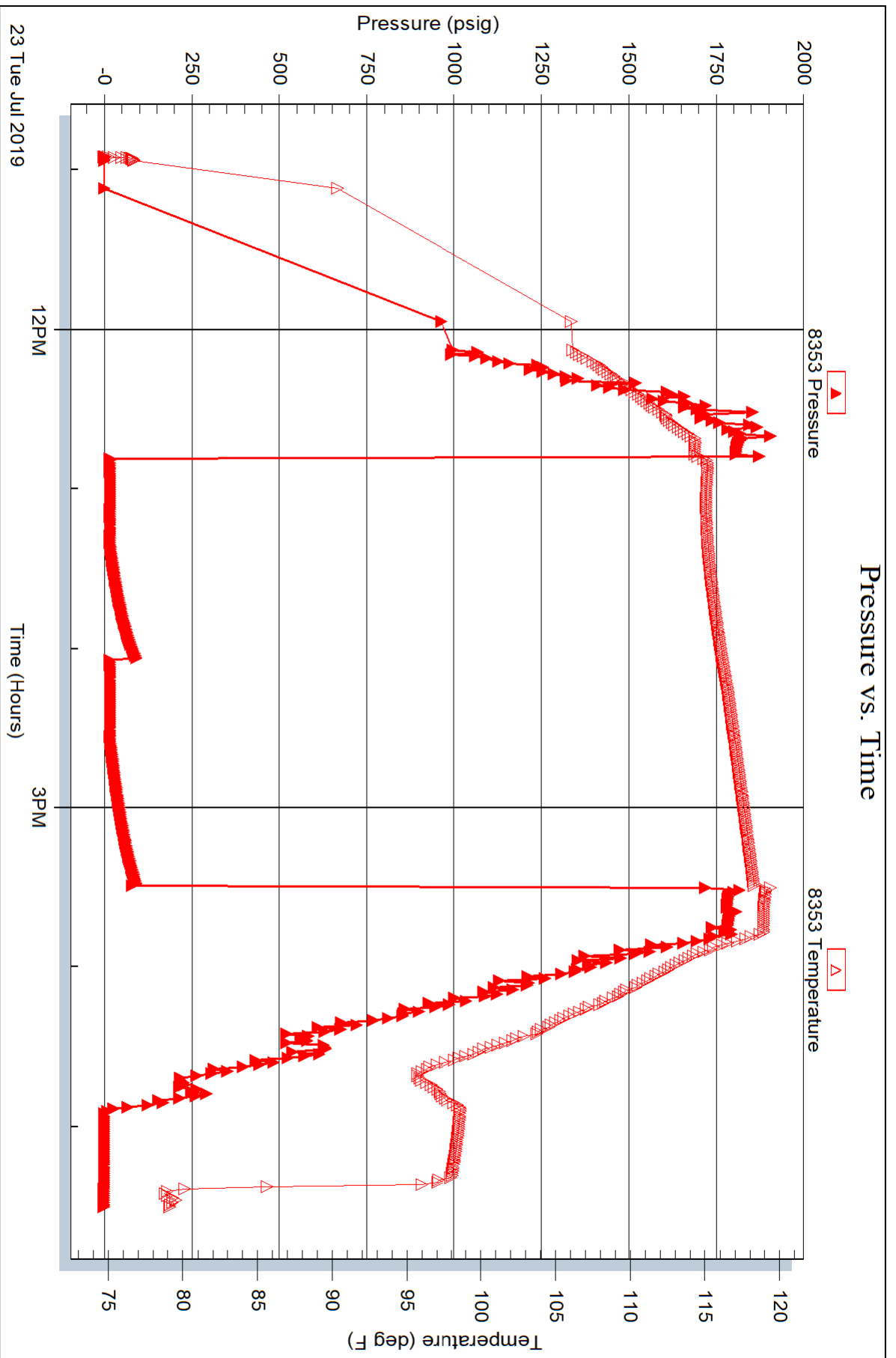
Serial #: 8353

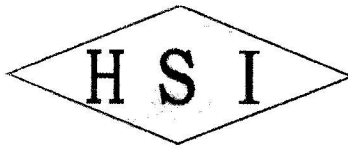
Inside

Suenaur Expl. & Prod. LLC.

Meyers #1-17

DST Test Number: 1





WATER TREATMENT REPORT

Customer:	Suemaur E&P LLC	Well:	Myers #1-17	Ticket:	ICT2165
City, State:	Corpus Christi, TX	County:	Decatur, KS	Date:	7/19/2019
Field Rep:	Arturo	S-T-R:	Sec 17 - T3S - R28W	Service:	Cement

Downhole Information	
Hole Size:	12.25 in
Hole Depth:	208 ft
Casing Size:	8.625 in
Casing Depth:	263 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Depth:	ft
Displacement:	15.3 bbls

Slurry	
Weight:	14.8 # / sx
Water / Sx:	6.88 gal / sx
Yield:	1.41 ft ³ / sx
Bbls / Ft.:	0.0735
Depth:	263 ft
Volume:	19.63 bbls
Excess:	100% %
Total Slurry:	38.7 bbls
Total Sacks:	150 sx

Cement Blend		
Product	%	#
Class A	100.0	14100
Gel	2.0	282
CaCl	3.0	423
Metso		
KolSeal		
PhenoSeal		
Salt		
Total		14,805

TIME	RATE	PSI	BBLs	REMARKS	TIME	RATE	PSI	BBLs	REMARKS
8:00 PM				Called for job					
9:00 PM				Depart Oakley yard					
10:30 PM				Arrive on locn. Rig circulating at TD. 12 1/4" OH - 263'					
10:35 PM				JSA, discuss moving, spotting & rig-up					
10:40 PM				Move on, spot & rig-up					
11:00 PM				Rig-up complete.					
11:05 PM				Rig TOH w/ DP					
11:45 PM				Start to RIH w/ casing					
12:35 AM				Casing @ setting depth					
12:38 AM		150.0		Circulate & condition hole					
12:47 AM	3.0	50.0	5.0	Pump H2O ahead					
12:49 AM	4.5	300.0	37.7	Mix & pump 150sx cement @ 14.8# Y - 1.41cuft/sk, MW - 6.88g/sk					
12:00 AM	3.5	190.0	15.3	Displ. w/ H2O					
1:02 AM				Shutdown. End Job					
				Cement to surface, 38bbl cement away					
1:05 AM				JSA, discuss rigging down equipment					
1:15 AM				Rig down & move off					
1:30 AM				Depart locn					
				Note: Circulated approx 5bbl good cement to surface					
				Thanks for calling Hurricane Svcs Inc					

CREW		UNIT	SUMMARY		
Cementer:	Scott Green	74	Average Rate	Average Pressure	Total Fluid
Pump Operator:	Jesse Jones	266	3.66667 bpm	172.50 psi	58.00 bbls
Bulk #1:	Alan Ryan	242			
Bulk #2:	Dane Retzloff	78			

