

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](mailto:kcc-well-logs@kcc.ks.gov). Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

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

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (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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Form	ACO1 - Well Completion
Operator	Suemaur Exploration & Production, LLC
Well Name	Schroeder 1-35
Doc ID	1348383

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	3 ft perfs	300 gal's 15% HCl	4036-39
4	3 ft perfs, CIBP at 4008'	no treatment	4011-14
4	4 ft perfs	300 gal's 15% HCl	4000-04
4	4 ft perfs	600 gal's 15% HCl	3966-70
4	4 ft perfs	300 gal's 15% HCl	3911-15
4			



## Summary of Changes

Lease Name and Number: Schroeder 1-35

API/Permit #: 15-179-21416-00-00

Doc ID: 1348383

Correction Number: 1

Approved By: Karen Ritter

Field Name	Previous Value	New Value
Approved Date	09/21/2016	03/15/2017
Multiple Stage Cementing Collar Depth		2460
Multiple Stage Cementing Collar Used?	No	Yes
Save Link	../kcc/detail/operatorE ditDetail.cfm?docID=13 10577	../kcc/detail/operatorE ditDetail.cfm?docID=13 48383



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1310577  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
August 2013

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Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- 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 ENHR       Conv. to SWD
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

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
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

# GEOLOGIST'S REPORT

## DRILLING TIME AND SAMPLE LOG

**SUEMAUR EXPLORATION & PROD., LLC**  
**WELL: SCHROEDER #1-35**  
**SEC. 35 TWP 6S RGE 28W**  
**SE NE NW NE**  
**658' FNL & 1603' FEL**

**ELEVATION**  
**KB: 2713**  
**GL: 2708**  
**LOG MEASURED**  
**FROM: KB**

**SHERIDAN COUNTY, KANSAS**  
**API: 15-179-21416-00-00**

**SURFACE CASING**  
**8 5/8" Set @ 386' KB**  
**W/355 SX 3% CC 2%gel**

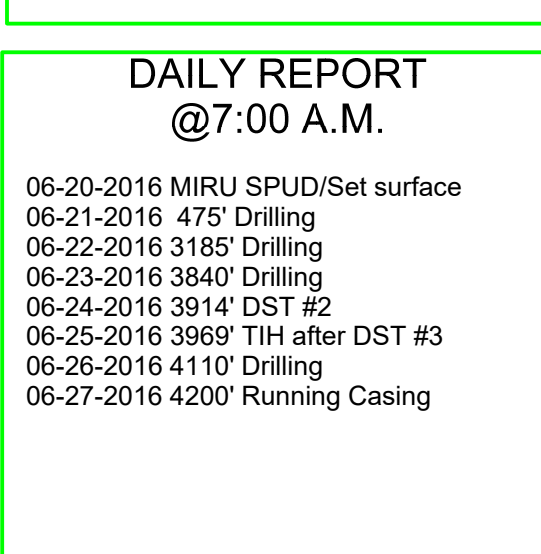
**DRILLING CONTR.: MURFIN RIG #7**  
**SPUD: 06-20-2016 COMP: 06-27-2016**  
**MUD UP: 3050' TYPE MUD: CHEM.**  
**DRILL TIME: 3300 TO' RTD**  
**RTD: 4200' LTD: 4200'**  
**SAMPLES SAVED: 3350'-RTD**  
**GEOLOGIST: ROBERT J. PETERSEN**

**PRODUCTION CASING**  
**5 1/2" Casing Run**

**WELL LOG SURVEYS**  
**ARRAY INDUCTION/CN-DL/GR/MICROLOG/BHCS**

**ELECTRIC LOG TOPS**

FORMATION	DEPTH	DATUM	POS.
Stone Corral	2446	+267	-2
Base Stone Corral	2479	+234	-3
Foraker	3339	-626	-5
Stotler	3509	-796	-8
Howard	3587	-874	-10
Topeka	3636	-923	-11
Larsh Bur oak	3725	-1012	-6
Lecompton	3765	-1052	-8
Queen Hill Shale	3788	-1075	-7
Heebner	3837	-1124	-10
Toronto	3865	-1152	-11
Lansing	3890	-1167	-11
Stark	4043	-1300	-11
BKC	4094	-1381	-17
Marmaton	4111	-1398	-13
LTD	4200	-1487	-13

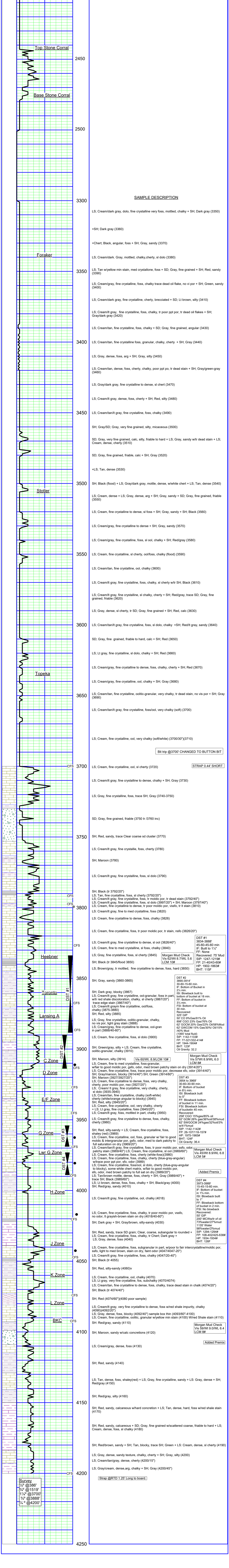


**REFERENCE WELL:**  
 API 15-179-21414-00-00  
 Suemaur Exploration & Prod. Co  
 Schroeder #1  
 365' FSL & 2246' FEL  
 26-6-28W  
 Sheridan County, KS

**DAILY REPORT @7:00 A.M.**  
 06-20-2016 MIRU SPUD/Set surface  
 06-21-2016 475' Drilling  
 06-22-2016 3185' Drilling  
 06-23-2016 3840' Drilling  
 06-24-2016 3914' DST #2  
 06-25-2016 3969' TH after DST #3  
 06-26-2016 4110' Drilling  
 06-27-2016 4200' Running Casing

**REMARKS AND RECOMMENDATIONS**

The operator ran production casing on this well to further test this well for commercial production.



**SAMPLE DESCRIPTION**

LS: Cream/dark gray, dolo, fine crystalline very foss, mottled, chalky + SH; Dark gray (3350)

+SH; Dark gray (3360)

+Chert; Black, angular, foss + SH; Gray, sandy (3370)

LS: Cream/dark. Gray, mottled, chalky, cherty, sl dolo (3380)

LS: Tan w/yellow min stain, med crystalline, foss + SD; Gray, fine grained + SH; Red, sandy (3390)

LS: Cream/gray, fine crystalline, foss, chalky trace dead oil flake, no vi por + SH; Green, sandy (3400)

LS: Cream/dark gray, fine crystalline, cherty, brecciated + SD; Lt brown, silty (3410)

LS: Cream/lt gray, fine crystalline, foss, chalky, tr poor ppt por, tr dead oil flakes + SH; Gray/dark gray (3420)

LS: Cream/tan, fine crystalline, foss, chalky + SD; Gray, fine grained, angular (3430)

LS: Cream/tan, fine crystalline foss, granular, chalky, cherty + SH; Gray (3440)

LS: Gray, dense, foss, arg + SH; Gray, silty (3450)

LS: Cream/tan, dense, foss, cherty, chalky, poor ppt por, tr dead stain + SH; Gray/green-gray (3460)

LS: Gray/dark gray, fine crystalline to dense, sl chert (3470)

LS: Cream/lt gray, dense, foss, cherty + SH; Red, silty (3480)

LS: Cream/tan/lt gray, fine crystalline, foss, chalky (3490)

SH; Gray/SD; Gray, very fine grained, silty, micaceous (3500)

SD; Gray, very fine grained, calc, silty, friable to hard + LS; Gray, sandy w/tr dead stain + LS; Cream, dense, cherty (3510)

SD; Gray, fine grained, friable, calc + SH; Gray (3520)

+LS; Tan, dense (3530)

SH; Black (flood) + LS; Gray/dark gray, mottle, dense, w/white chert + LS; Tan, dense (3540)

LS: Cream, dense + LS; Gray, dense, arg + SH; Gray, sandy + SD; Gray, fine grained, friable (3550)

LS: Cream, fine crystalline to dense, sl foss + SH; Gray, sandy + SH; Black (3560)

LS: Cream/gray, fine crystalline to dense + SH; Gray, sandy (3570)

LS: Cream/gray, fine crystalline, foss, sl ool, chalky + SH; Red/gray (3580)

LS: Cream, fine crystalline, sl cherty, ool/foss, chalky (flood) (3590)

LS: Cream/tan, fine crystalline, ool, chalky (3600)

LS: Cream/lt gray, fine crystalline, foss, chalky, sl cherty w/tr SH; Black (3610)

LS: Cream/lt gray, fine crystalline, sl chalky, cherty + SH; Red/gray, trace SD; Gray, fine grained, friable (3620)

LS: Gray, dense, sl cherty, tr SD; Gray, fine grained + SH; Red, calc (3630)

LS: Cream/tan/lt gray, fine crystalline, foss, sl dolo, chalky +SH; Red/lt gray, sandy (3640)

SD; Gray, fine grained, friable to hard, calc + SH; Red (3650)

LS; Lt gray, fine crystalline, sl dolo, chalky + SH; Red (3660)

LS: Cream/gray, fine crystalline to dense, foss, chalky, cherty + SH; Red (3670)

LS: Cream/gray, fine crystalline, ool, chalky + SH; Gray (3680)

LS: Cream/tan, fine crystalline, oolitic-granular, very chalky, tr dead stain, no vis por + SH; Gray (3690)

LS: Cream/tan/lt gray, fine crystalline, foss/ool, very chalky (soft) (3700)

LS: Cream, fine crystalline, ool, very chalky (soft/white) (3700/30') (3710)

LS: Cream, fine crystalline, ool, sl cherty (3720)

LS: Cream/lt gray, fine crystalline to dense, chalky + SH; Gray (3730)

LS: Gray, fine crystalline, foss, trace SH; Gray (3740-3750)

SD; Gray, fine grained, friable (3750 tr/3760 inc)

SH; Red, sandy, trace Clear coarse sd cluster (3770)

LS: Cream/lt gray, fine crystalline, foss, cherty (3780)

SH; Maroon (3780)

LS: Cream/lt gray, fine crystalline, foss, sl dolo (3790)

SH; Black (tr 3792/20')

LS: Tan, fine crystalline, foss, sl cherty (3792/20')

LS: Cream/lt gray, fine crystalline, foss, tr dead stain (3792/40')

LS: Cream/lt gray, fine crystalline, foss, sl dolo (3997/20') + SH; Maroon (3797/40')

LS: Cream, fine crystalline to dense, tr poor moldic por, vssfo, tr lt stain (3810)

LS: Cream/lt gray, fine to med crystalline, foss (3820)

LS: Cream, fine crystalline to dense, foss, chalky (3826)

LS: Cream, fine crystalline, foss, tr poor moldic por, tr stain, nsfo (3826/20')

LS: Cream/lt gray, fine crystalline to dense, sl ool (3826/40')

LS: Cream, fine to med crystalline, sl foss, chalky (3840)

LS; Gray, fine crystalline, foss, sl cherty (3845)

SH; Black (tr 3845/flood 3850)

LS: Brown/gray, tr mottled, fine crystalline to dense, foss, hard (3850)

SH; Gray, sandy (3860-3865)

SH; Dark gray, blocky (3867)

LS: Cream/lt gray, fine crystalline, ool-granular, foss in part, w/ir red shale discoloration, chalky, sl cherty (3867/20') trace edge stain (3867/40')

LS: Cream/lt gray, fine crystalline, ool/foss, chalky (3875-3880)

SH; Red, silty (3885)

LS: Gray, fine crystalline, oolitic-granular, chalky, no vis por, light gray stain (3888)

LS: Cream/gray, fine crystalline to dense, ool-gran in part (3888/40-50')

LS: Cream, fine crystalline, foss, sl dolo (3900)

SH; Green/gray, silty + LS; Cream, fine crystalline, oolitic-granular, chalky (3910)

SH; Maroon, silty to med crystalline, 6.9w/LCM 10#

LS: Cream, fine to med crystalline, foss-granular w/fair to good moldic por, gsfso, odor, med brown patchy stain on dry (3914/20')

LS: Cream, fine crystalline, foss, trace poor moldic por, decrease sfo, odor (3914/40')

SH; Gray/maroon, blocky (3914/40') SH; Green (3914/60')

SH; Maroon (3927/3927/20')

LS: Cream, fine crystalline to dense, foss, very chalky, cherty (white/orange angular to blocky) (3945)

SH; Red, silty (3945/20')

LS: Cream, fine crystalline, ool, very chalky, cherty + LS; Lt gray, fine crystalline, foss (3945/20')

LS: Cream/lt gray, foss, mottled in part, chalky (3950)

LS: Cream/lt gray, fine crystalline to dense, foss, chalky, cherty (3960)

SH; Red, silty/sandy + LS; Cream, fine crystalline, foss, shaley (red) (3969)

LS: Cream, fine crystalline, ool, foss, granular w/ fair to good moldic por, gsfso, odor, med to dark patchy to full saturation on dry (3969/20')

LS: Cream/tan/lt gray, fine crystalline, foss, tr poor moldic por, sfo, odor, patchy stain (3969/40') LS; Cream, fine crystalline, sl ool (3969/60')

LS: Cream, fine crystalline, foss, chalky, cherty (white-foss) (3980)

LS: Cream, fine crystalline, foss/ool, sl dolo, blue-gray-angular to blocky), some white chert matrix, w/fair to good moldic por, sfo, odor, med brown patchy to full sat on dry (3989/20')

LS: Tan/brown mottle, dense, foss, cherty + SH; Gray (3989/40') + trace SH; Black (3989/50')

LS: Lt brown, dense, foss, foss, chalky + SH; Black/gray (4000)

SH; Red/gray, sandy (4010)

LS: Cream/lt gray, fine crystalline, ool, chalky (4018)

LS: Cream, fine crystalline, foss, chalky, tr poor moldic por, vssfo, no odor, lt gray-brown stain on dry (4018/40-60')

SH; Dark gray + SH; Gray/brown, silty-sandy (4030)

SH; Red, sandy, trace SD grain; Clear, coarse, friable to hard + LS; Cream, dense, foss, sl chalky (4100)

LS: Cream, fine crystalline, foss, subgranular in part, w/por to fair intercrystalline/moldic por, sfo, light to med brown, stain on dry, faint odor (4047/4047-20')

LS: Cream/lt gray, fine crystalline, foss, chalky (4047/20-40')

SH; Black (tr 4055)

SH; Red, silty-sandy (4060)/v

LS: Cream, fine crystalline, ool, chalky (4070)

LS: Lt gray, very fine crystalline, foss, subchalky (4070/4074)

LS: Cream/tan, fine crystalline to dense, foss, chalky, trace dead stain in chalk (4074/20')

SH; Black (tr 4074/40')

SH; Red (4074/60') (4080 poor sample)

LS: Cream/lt gray, very fine crystalline to dense, foss w/red shale impurity, chalky (4090/4092/20')

LS: Gray, dense, foss, blocky (4092/40') sample box thin (4093/60'-4100)

LS: Cream, fine crystalline, oolitic, granular w/yellow min stain (4100) W/Red Shale stain (4110)

SH; Red/gray, sandy (4110)

SH; Maroon, sandy w/calc concretions (4120)

LS: Cream/gray, dense, foss (4130)

SH; Red, sandy (4140)

LS: Tan, dense, foss, shaley(red) + LS; Gray, fine crystalline, sandy + LS; Gray, dense + SH; Red/gray (4150)

SH; Red/gray, silty (4160)

SH; Red, sandy, calcareous w/hard concretion + LS; Tan, dense, hard, foss w/red shale stain (4170)

SH; Red, sandy, calcareous + SD; Gray, fine grained w/scattered coarse, friable to hard + LS; Cream, dense, foss, sl chalky (4180)

SH; Red/brown, sandy + SH; Tan, blocky, trace SH; Green + LS; Cream, dense, sl cherty (4190)

LS; Gray, dense, sandy texture, chalky, cherty + SH; Gray, silty (4200)

LS: Cream/tan/gray, dense, cherty (4200/15')

LS: Gray/cream, dense, arg, chalky + SH; Gray (4200/45')

Survey  
 1/2° @386'  
 3/4° @1519'  
 1 1/4° @3700'  
 3/4° @3888'  
 1/4° @4200'

DST #1  
 3834-3888'  
 45-60-45-60 min  
 IF: Built to 1 1/2"  
 FF: None  
 Recovered: 75' Mud  
 SIP: 1247-1219#  
 FP: 21-40/43-60#  
 HP: 1902-1863#  
 BHT: 115F

DST #2  
 3890-3914'  
 30-60-15-60 min  
 IF: Bottom of Bucket in 2 1/4 min  
 ISI: Blowback built to bottom of bucket at 18 min.  
 FF: Bottom of bucket in 3 1/2 min  
 FSI: Bottom of bucket at 30 min.  
 Recovered:  
 325 GIP  
 50' CO 9% Gas/91% Oil  
 889' COO 23% Gas/76% Oil  
 62' GOCOM 20% Gas/22% Oil/58% Mud  
 4095' Mud  
 (1065' total fluid)  
 SIP: 1142-1133#  
 FP: 77-321/332-414#  
 HP: 1944-1904#  
 BHT: 123F  
 Oil Gravity: 32.2

DST #3  
 3954 to 3969'  
 30-60-30-90 min.  
 IF: Bottom of bucket in 8 1/2 min.  
 ISI: Blowback built to 5'  
 FF: Blowback bottom of bucket in 11 min.  
 FSI: Blowback bottom of bucket in 45 min.  
 Recovered:  
 258' COO 15% gas/85% oil  
 62' SW/GOCM 24% gas/32% oil/3% w/415mud  
 SIP: 1142-1142#  
 FP: 26-107/118-157#  
 HP: 1975-1965#  
 BHT: 124F  
 Oil Gravity: 36.4

Morgan Mud Check  
 Vis 57Wt 8.9/WL 6.0  
 LCM #8

DST #4  
 3973-3989'  
 15-45-15-60 min.  
 IF: Bottom of bucket in 1 1/2 min.  
 ISI: No blowback  
 Recovered:  
 200' MCWw/tr of oil  
 1735' Water  
 98% water/2% mud  
 SIP: 1294-1294#  
 FP: 108-402/425-638#  
 HP: 1934-1934#  
 BHT: 126F

Morgan Mud Check  
 Vis 59Wt 9.0/WL 6.4  
 LCM #8

Added Premix

Added Premix



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Suemaour Exploration & Production, LLC

**35/6s/28w Sheridan, KS**

539 N. Carancahua STE 1100  
Corpus Christi, TX 78401

**Schroeder #1-35**

Job Ticket: 65383

**DST#: 1**

ATTN: Bob Peterson

Test Start: 2016.06.23 @ 14:56:00

## GENERAL INFORMATION:

Formation: **Toronto - LKC "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:56:45

Time Test Ended: 22:20:15

Test Type: Conventional Bottom Hole (Initial)

Tester: James Winder

Unit No: 83

**Interval: 3834.00 ft (KB) To 3888.00 ft (KB) (TVD)**

Reference Elevations: 2713.00 ft (KB)

Total Depth: 3888.00 ft (KB) (TVD)

2708.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 6769 Inside**

Press@RunDepth: 60.44 psig @ 3835.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.06.23

End Date:

2016.06.23

Last Calib.: 1899.12.30

Start Time: 14:56:05

End Time:

22:20:14

Time On Btm: 2016.06.23 @ 16:56:00

Time Off Btm: 2016.06.23 @ 20:30:30

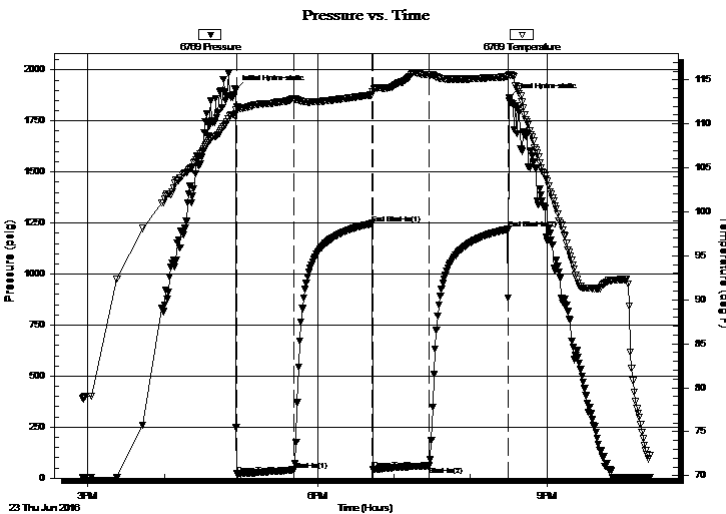
TEST COMMENT: 45 - IF: Blow built slowly to 1 1/4"

60 - IS: No blow back

45 - FF: No blow

60 - FS: No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1901.67	111.13	Initial Hydro-static
1	20.65	111.97	Open To Flow (1)
46	40.12	112.83	Shut-In(1)
107	1247.22	113.29	End Shut-In(1)
108	43.28	113.62	Open To Flow (2)
152	60.44	115.57	Shut-In(2)
213	1218.92	115.37	End Shut-In(2)
215	1863.20	115.62	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
75.00	Mud 100%	0.37

## Gas Rates

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







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Suemaaur Exploration & Production, LLC

**35/6s/28w Sheridan, KS**

539 N. Carancahua STE 1100  
Corpus Christi, TX 78401

**Schroeder #1-35**

Job Ticket: 65383

**DST#: 1**

ATTN: Bob Peterson

Test Start: 2016.06.23 @ 14:56:00

### 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: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.60 in<sup>3</sup>

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
75.00	Mud 100%	0.369

Total Length: 75.00 ft      Total Volume: 0.369 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

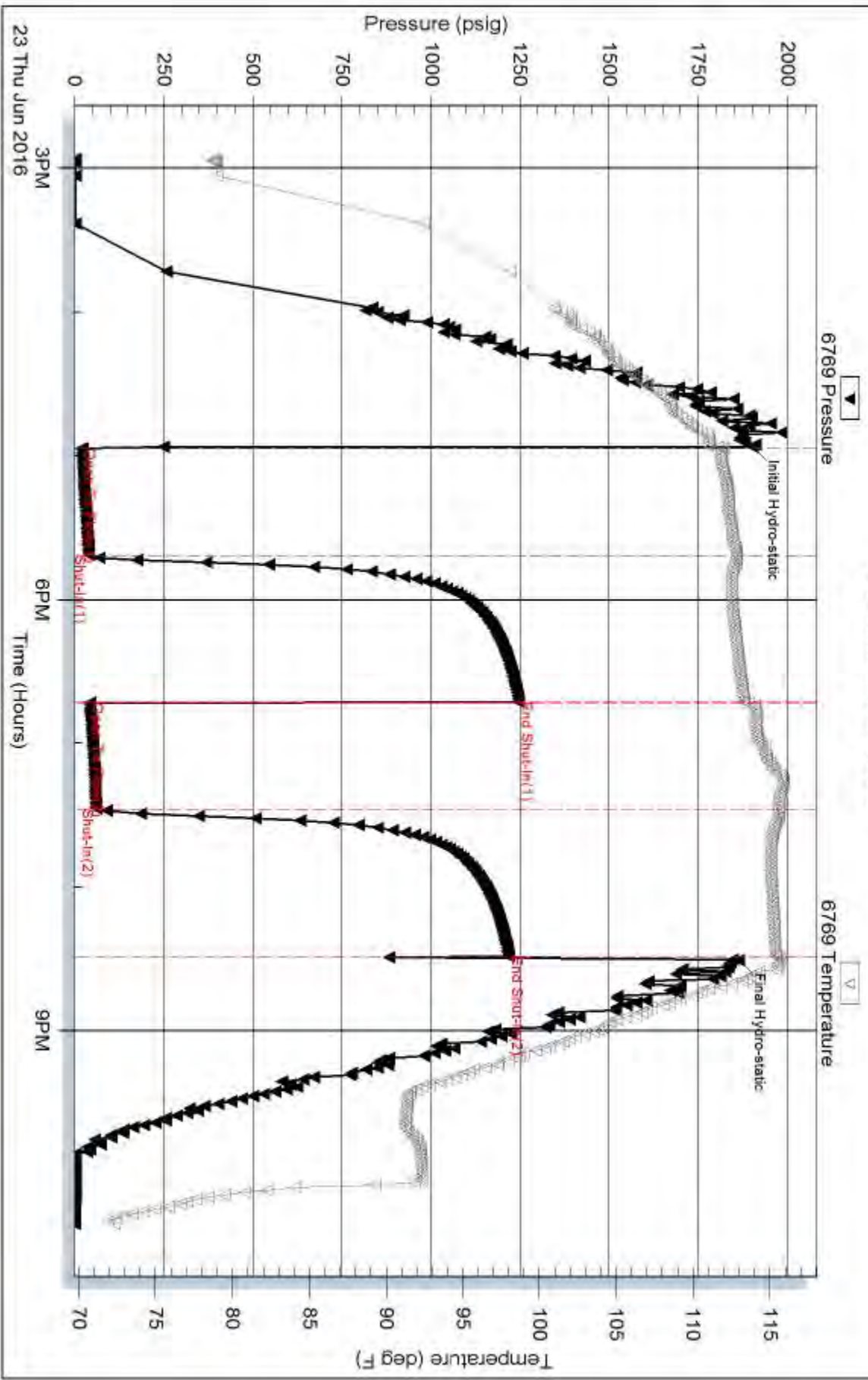
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time

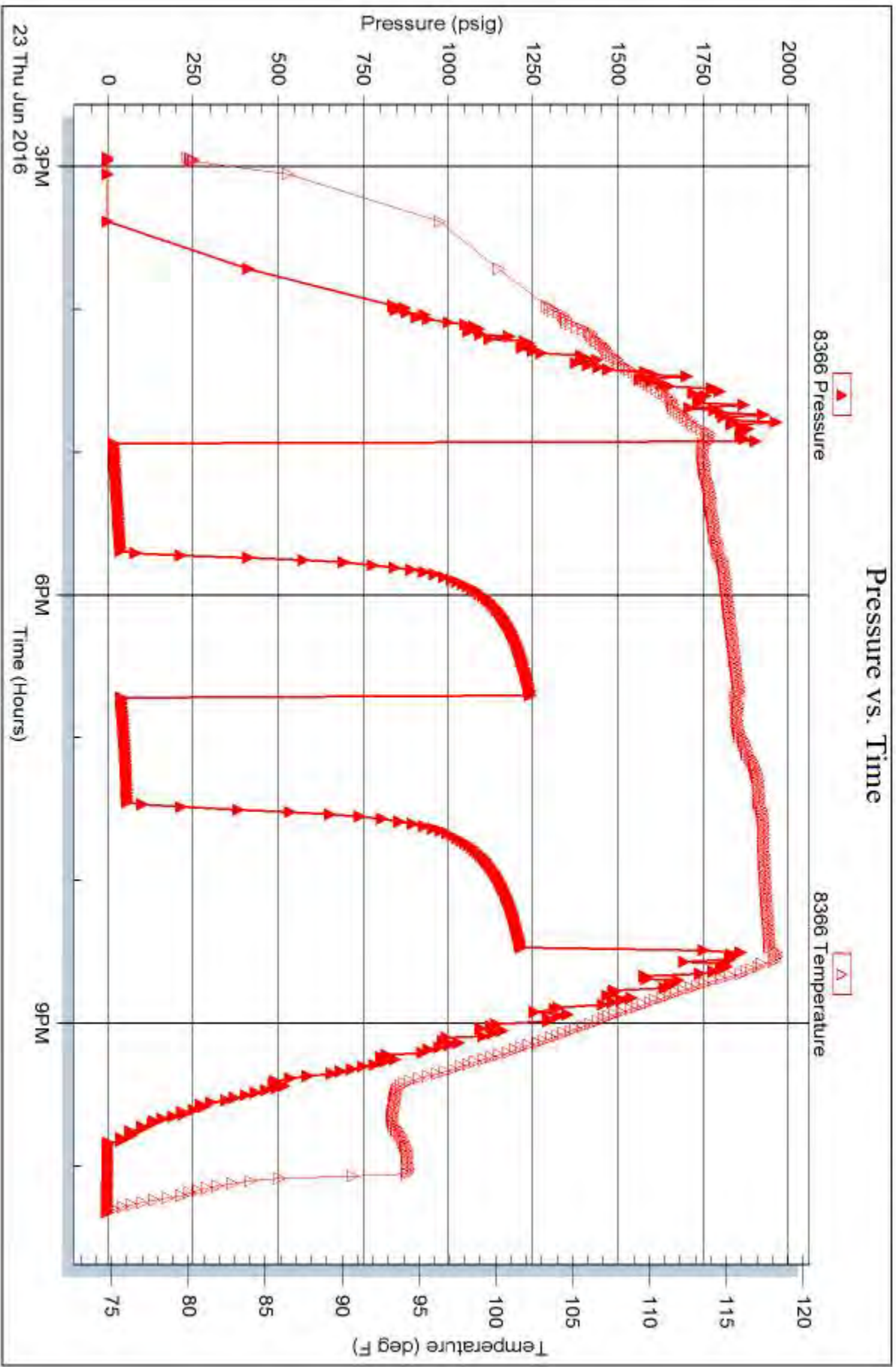


Serial #: 8366

Outside Suenor Exploration & Production, LLC

Schroeder #1-35

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 65383

Printed: 2016.06.23 @ 22:49:49



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Suema Exploration & Production, LLC

**35/6s/28w Sheridan, KS**

539 N. Carancahua STE 1100  
Corpus Christi, TX 78401

**Schroeder #1-35**

Job Ticket: 65384

**DST#: 2**

ATTN: Bob Peterson

Test Start: 2016.06.24 @ 05:53:00

## GENERAL INFORMATION:

Formation: **LKC "C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:46:30

Time Test Ended: 13:51:00

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 83

**Interval: 3890.00 ft (KB) To 3914.00 ft (KB) (TVD)**

Reference Elevations: 2713.00 ft (KB)

Total Depth: 3914.00 ft (KB) (TVD)

2708.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 6769**

**Inside**

Press@RunDepth: 414.35 psig @ 3891.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.06.24

End Date:

2016.06.24

Last Calib.:

2016.06.24

Start Time: 05:53:05

End Time:

13:50:59

Time On Btm:

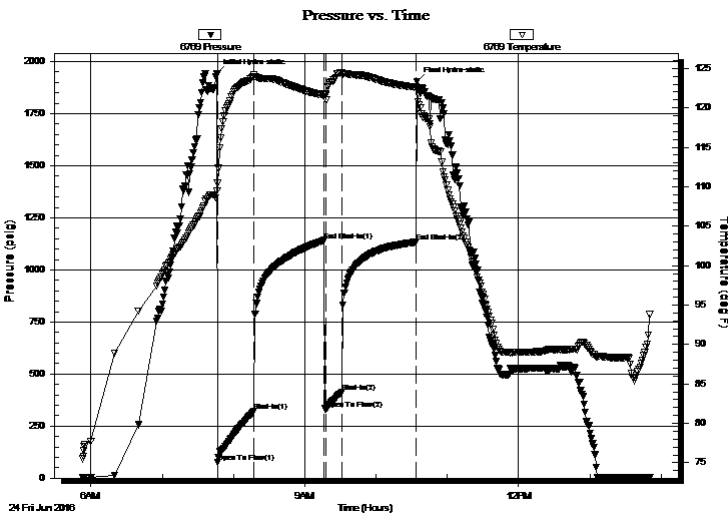
2016.06.24 @ 07:46:15

Time Off Btm:

2016.06.24 @ 10:34:15

**TEST COMMENT:** 30 - IF: Blow built to BOB (11") at 2 1/4 min.  
60 - IS: Blow back built to BOB at 18 min.  
15 - FF: Blow built to BOB at 3 1/2 min.  
60 - FS: Blow back built to BOB at 30 min.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1944.17	109.46	Initial Hydro-static
1	76.74	110.42	Open To Flow (1)
31	320.87	124.15	Shut-In(1)
91	1142.03	121.59	End Shut-In(1)
92	332.03	121.59	Open To Flow (2)
106	414.35	124.41	Shut-In(2)
168	1132.91	122.61	End Shut-In(2)
168	1904.45	122.54	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
62.00	GWOcm 40% m, 30% o, 15% w, 15% g	0.30
62.00	GOCm 58% m, 22% o, 20% g	0.30
891.00	Rev out - Smpls @ 5,10,13,20,25 min.	11.93
0.00	13 - 25 min. MCO 72% o, 26% m, 2% g	0.00
0.00	5 - 10 min. CGO 76% o, 23% g, 1% m	0.00
50.00	CO 91% o, 9% g	0.70

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Suemaer Exploration & Production, LLC

**35/6s/28w Sheridan, KS**

539 N. Carancahua STE 1100  
Corpus Christi, TX 78401

**Schroeder #1-35**

Job Ticket: 65384

**DST#: 2**

ATTN: Bob Peterson

Test Start: 2016.06.24 @ 05:53:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

32.2 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.00 in<sup>3</sup>

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
62.00	GWOCM 40% <i>m</i> , 30% <i>o</i> , 15% <i>w</i> , 15% <i>g</i>	0.305
62.00	GOCM 58% <i>m</i> , 22% <i>o</i> , 20% <i>g</i>	0.305
891.00	Rev out - Smpls @ 5,10,13,20,25 min.	11.934
0.00	13 - 25 min. MCO 72% <i>o</i> , 26% <i>m</i> , 2% <i>g</i>	0.000
0.00	5 - 10 min. CGO 76% <i>o</i> , 23% <i>g</i> , 1% <i>m</i>	0.000
50.00	CO 91% <i>o</i> , 9% <i>g</i>	0.701
0.00	GIP = 325'	0.000

Total Length: 1065.00 ft      Total Volume: 13.245 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

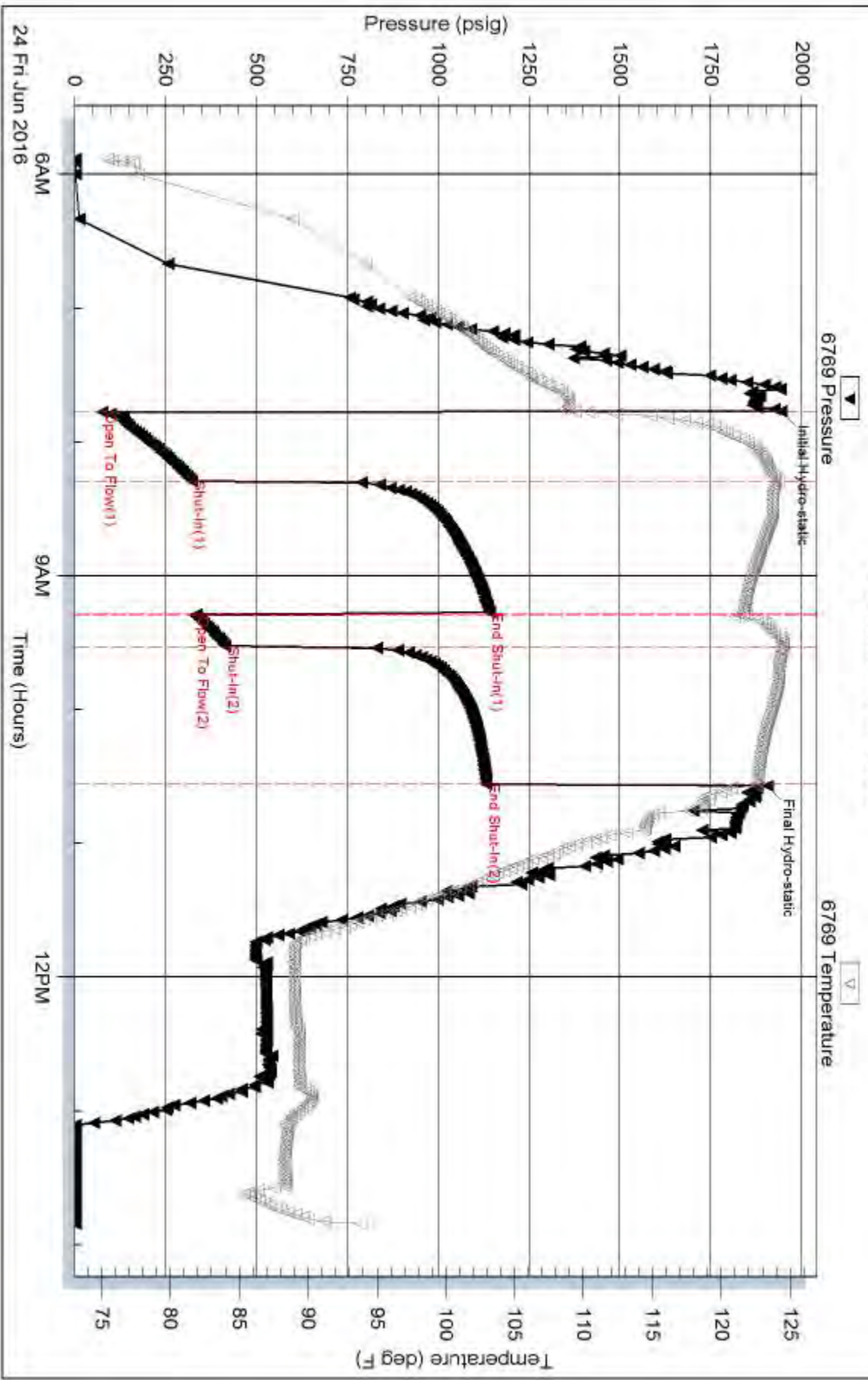
Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity = 36.2 api @ 100 deg F Corrected Gravity = 32.2

Rev out around 10 bbl total fluid - Roughly 8 bbl at 13 min. when it changed from CO to MCO

### Pressure vs. Time





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Suemaour Exploration & Production, LLC

**35/6s/28w Sheridan, KS**

539 N. Carancahua STE 1100  
Corpus Christi, TX 78401

**Schroeder #1-35**

Job Ticket: 65385

**DST#: 3**

ATTN: Bob Peterson

Test Start: 2016.06.24 @ 21:40:00

## GENERAL INFORMATION:

Formation: **LKC "G"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:02:30

Time Test Ended: 06:19:00

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 83

**Interval: 3954.00 ft (KB) To 3969.00 ft (KB) (TVD)**

Reference Elevations: 2713.00 ft (KB)

Total Depth: 3969.00 ft (KB) (TVD)

2708.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 6769**

**Inside**

Press @ Run Depth: 156.86 psig @ 3955.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.06.24

End Date:

2016.06.25

Last Calib.:

2016.06.25

Start Time: 21:40:05

End Time:

06:19:00

Time On Btm:

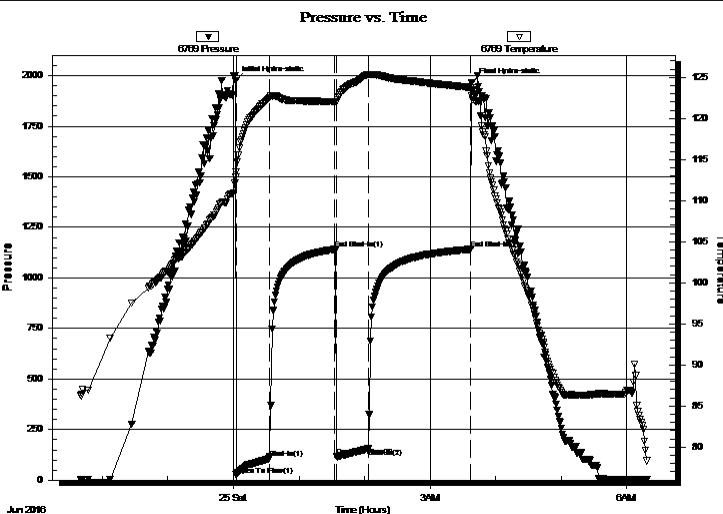
2016.06.25 @ 00:02:15

Time Off Btm:

2016.06.25 @ 03:38:15

**TEST COMMENT:** 30 - IF: Blow built to BOB (11") at 8 1/2 min.  
60 - IS: Blow back built to 5"  
30 - FF: Blow built to BOB at 11 min.  
90 - FS: Blow back built to BOB at 45 min.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1975.28	112.91	Initial Hydro-static
1	25.70	113.53	Open To Flow (1)
31	106.91	122.55	Shut-In(1)
91	1141.63	122.00	End Shut-In(1)
92	117.54	121.89	Open To Flow (2)
122	156.86	125.33	Shut-In(2)
215	1141.81	123.75	End Shut-In(2)
216	1964.55	122.73	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
62.00	SW/GOCM 41% <sub>m</sub> , 32% <sub>o</sub> , 24% <sub>g</sub> , 3% <sub>w</sub>	0.30
62.00	GOM 38% <sub>m</sub> , 36% <sub>o</sub> , 25% <sub>g</sub>	0.30
258.00	CGO 85% <sub>o</sub> , 15% <sub>g</sub>	3.05
0.00	GIP = 755'	0.00

## Gas Rates

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

\* Recovery from multiple tests







**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Suemaaur Exploration & Production, LLC

**35/6s/28w Sheridan, KS**

539 N. Carancahua STE 1100  
Corpus Christi, TX 78401

**Schroeder #1-35**

Job Ticket: 65385

**DST#: 3**

ATTN: Bob Peterson

Test Start: 2016.06.24 @ 21:40:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36.4 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.00 in<sup>3</sup>

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 bbbl
62.00	SW/GOCM 41%m, 32%o, 24%g, 3%w	0.305
62.00	GOM 38%m, 36%o, 25%g	0.305
258.00	CGO 85%o, 15%g	3.054
0.00	GIP = 755'	0.000

Total Length: 382.00 ft      Total Volume: 3.664 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

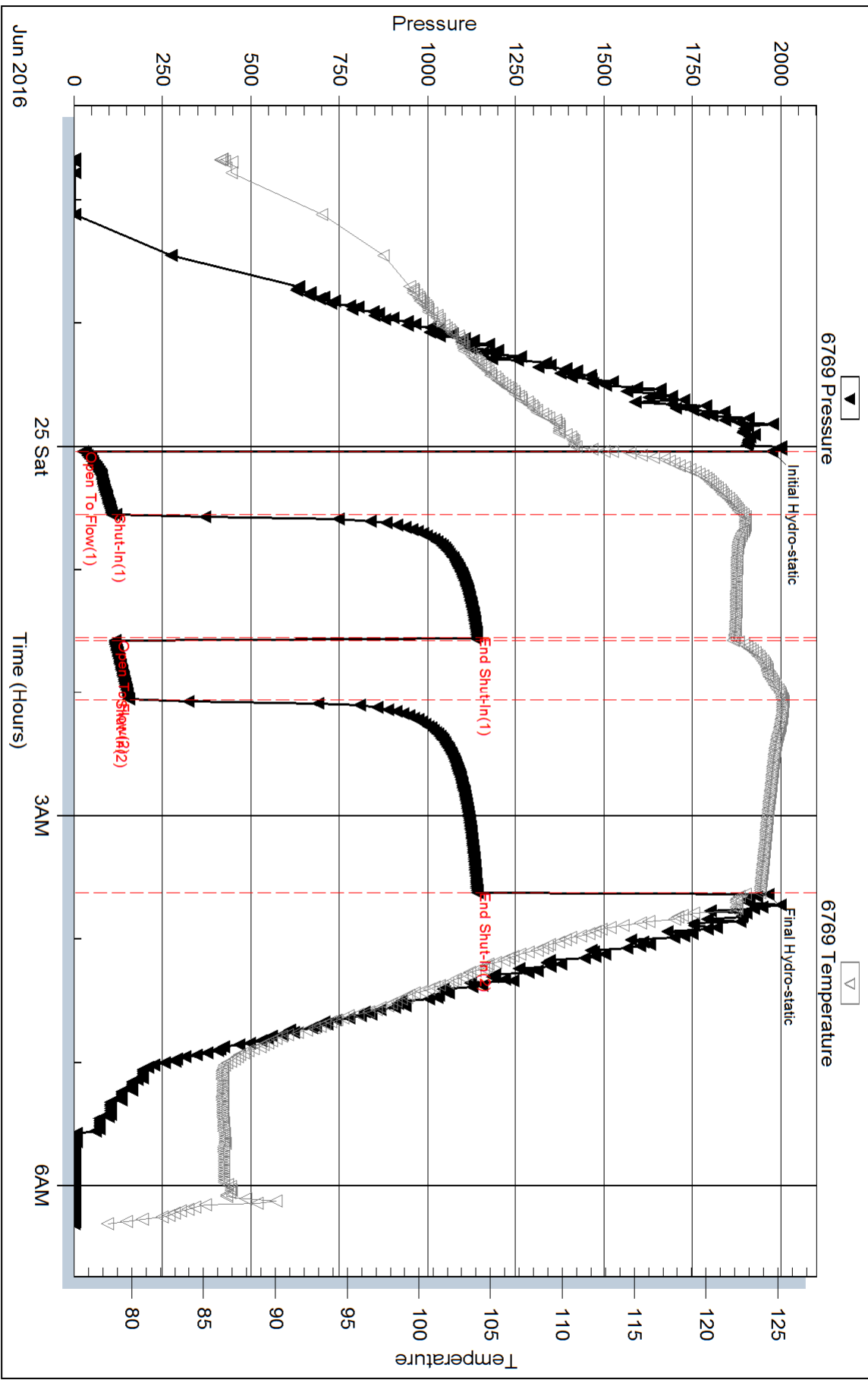
Laboratory Name:

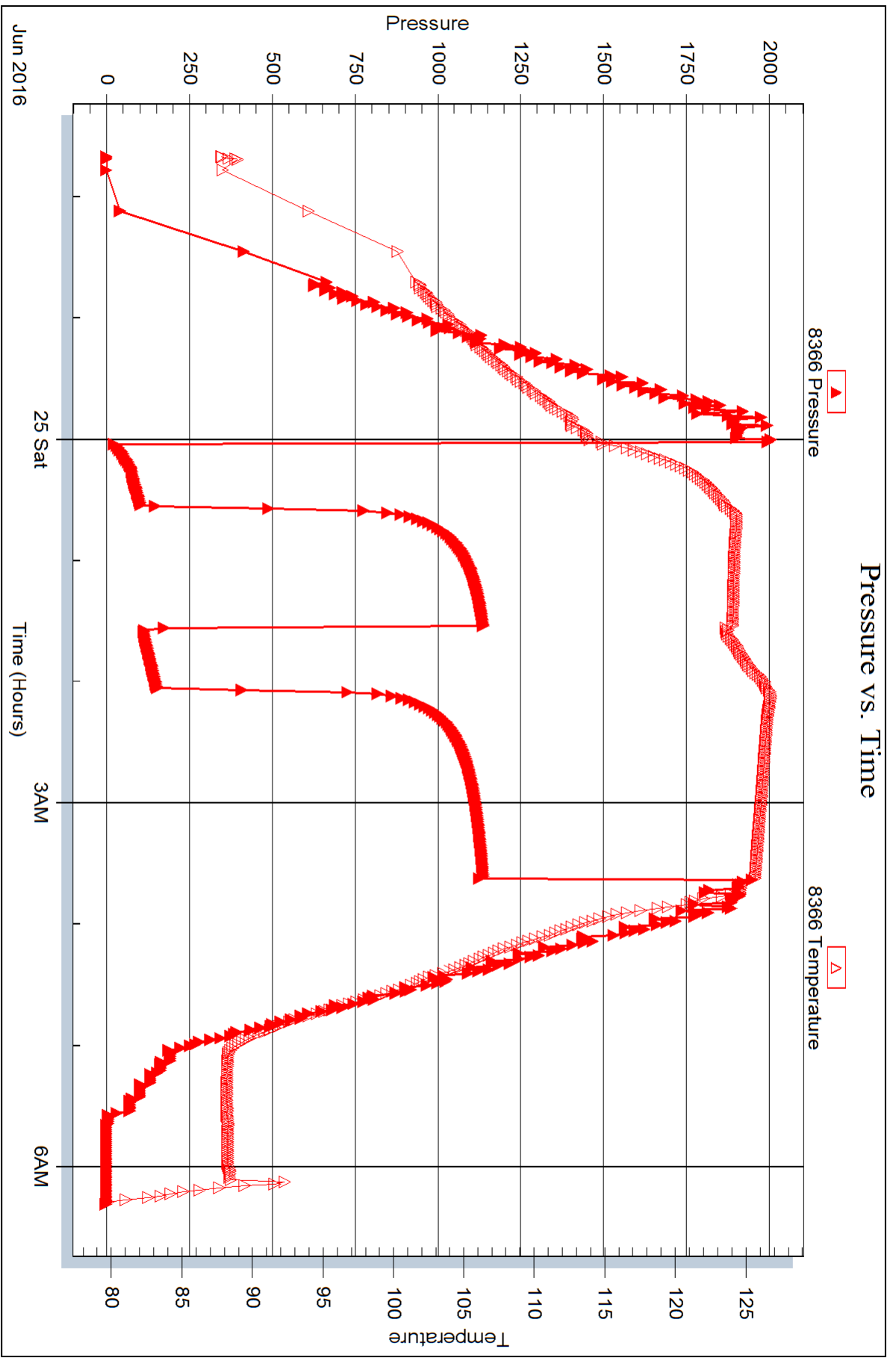
Laboratory Location:

Recovery Comments: Gravity = 38 api @ 76 deg F

Corrected Gravity = 36.4 api

### Pressure vs. Time







**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Suema Exploration & Production, LLC

**35/6s/28w Sheridan, KS**

539 N. Carancahua STE 1100  
Corpus Christi, TX 78401

**Schroeder #1-35**

Job Ticket: 65386

**DST#: 4**

ATTN: Bob Peterson

Test Start: 2016.06.25 @ 12:45:00

## GENERAL INFORMATION:

Formation: **LKC Lower "G"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:35:15

Time Test Ended: 19:06:15

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 83

**Interval: 3973.00 ft (KB) To 3989.00 ft (KB) (TVD)**

Reference Elevations: 2713.00 ft (KB)

Total Depth: 3989.00 ft (KB) (TVD)

2708.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 6769**

**Inside**

Press@RunDepth: 637.87 psig @ 3974.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.06.25

End Date:

2016.06.25

Last Calib.:

2016.06.25

Start Time: 12:45:05

End Time:

19:06:14

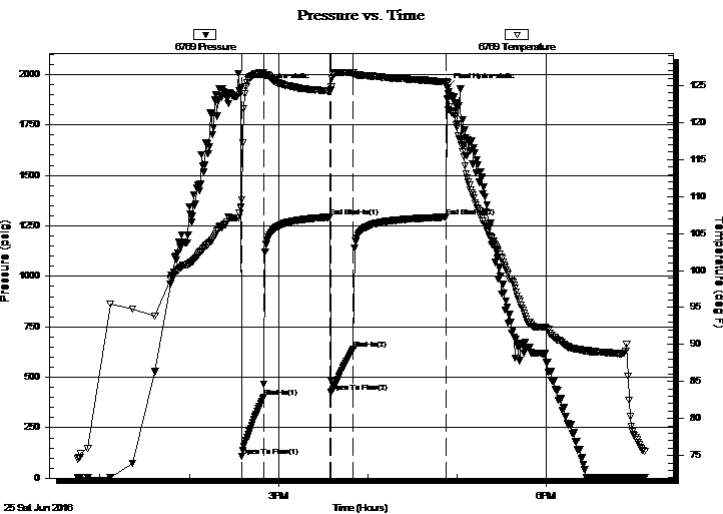
Time On Btm:

2016.06.25 @ 14:34:45

Time Off Btm:

2016.06.25 @ 16:53:30

**TEST COMMENT:** 15 - IF: Blow built to BOB (11") at 1 3/4 min.  
45 - IS: Blow back built to just over 1"  
15 - FF: Blow built to BOB at 2 min.  
60 - FS: No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1933.87	108.57	Initial Hydro-static
1	108.59	109.53	Open To Flow (1)
16	401.64	126.75	Shut-In(1)
60	1293.71	124.26	End Shut-In(1)
61	425.37	124.81	Open To Flow (2)
76	637.87	126.69	Shut-In(2)
138	1293.71	125.51	End Shut-In(2)
139	1933.64	125.42	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1135.00	Water 98%w , 2%m	14.23
200.00	MCW w/trace oil 73%w , 27%m	2.81
0.00	GIP = 50'	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**

Suemaer Exploration & Production, LLC

**35/6s/28w Sheridan, KS**

539 N. Carancahua STE 1100  
Corpus Christi, TX 78401

**Schroeder #1-35**

Job Ticket: 65386

**DST#: 4**

ATTN: Bob Peterson

Test Start: 2016.06.25 @ 12:45:00

## 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:

11500 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.80 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1300.00 ppm

Filter Cake: 2.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1135.00	Water 98%w , 2%m	14.227
200.00	MCW w /trace oil 73%w , 27%m	2.805
0.00	GIP = 50'	0.000

Total Length: 1335.00 ft      Total Volume: 17.032 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

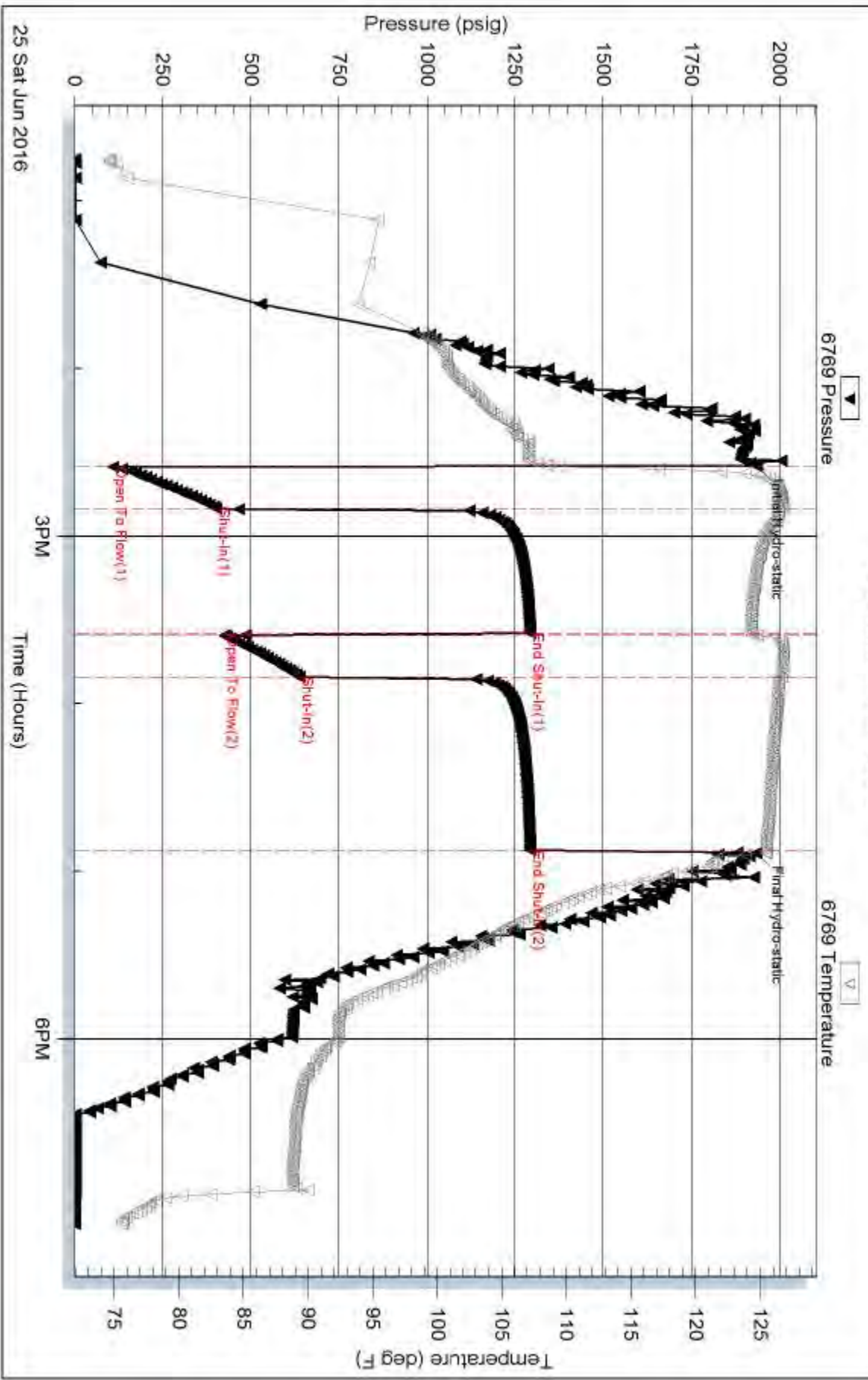
Laboratory Location:

Recovery Comments: RW = .521 ohms @ 77.9 deg F

Chlorides = 11,500 ppm

H2S gas in water - my meter went off 2 times while I was on the floor 16ppm, and 27 ppm - had a decent breeze blowing across floor towards the pits

### Pressure vs. Time









# ALLIED OFS, LLC

Federal Tax I.D. #81-2169190

REMIT TO: Allied OFS, LLC  
P.O. Box 205803  
Dallas, TX 75320-5803

SERVICE POINT: OKLEY

DATE <u>6-27-16</u>	SEC <u>35</u>	TWP. <u>6</u>	RANGE <u>28</u>	CALLED OUT	ON LOCATION <u>4:00 AM</u>	JOB START	JOB FINISH <u>5:30 PM</u>
Schroeder LEASE	WELL # <u>1-35</u>	LOCATION <u>Hoxie 10N 1/2E S7E into</u>	COUNTY <u>Sheridan</u>	STATE <u>KS</u>			
OLD OR (NEW) (Circle one)							

CONTRACTOR <u>Martin 7</u>
TYPE OF JOB <u>Production (2 stage)</u>
HOLE SIZE <u>2 7/8</u> T.D. <u>4200'</u>
CASING SIZE <u>5 1/2</u> DEPTH <u>4197'</u>
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL <u>DV</u> DEPTH <u>2950'</u>
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT <u>42'</u>
CEMENT LEFT IN CSG. <u>42'</u>
PERFS. <u>Bottom</u> <u>TOP</u>
DISPLACEMENT <u>9888</u> <u>53.31</u>

OWNER <u>SCME</u>
CEMENT <u>with Hivis sweep 20 BBL mud clean</u>
AMOUNT ORDERED <u>15 sks ASC, LIB Mud 5.5%</u>
<u>CPL-330 152 blk kol-seal 8% Rockwell CPL-330</u>
<u>142 blk Deframer 470 sks LITE, 252 blk Flo-seal</u>
COMMON @
POZMIX @
GEL @
CHLORIDE @
ASC <u>115 sks</u> @ <u>23.50</u> <u>2702.50</u>
Hivis sweep <u>20 BBL</u> @ <u>25.00</u> <u>500.00</u>
mud clean <u>20 BBL</u> @ <u>41.09</u> <u>821.80</u>
Kol-seal <u>575</u> @ <u>1.98</u> <u>523.50</u>
CPL-330 <u>87*</u> @ <u>23.00</u> <u>2009.20</u>
CDF-100P Deframer <u>17*</u> @ <u>3.50</u> <u>59.50</u>
LITE <u>470 sks</u> @ <u>19.88</u> <u>9343.60</u>
Flo-seal <u>117.5*</u> @ <u>2.97</u> <u>348.97</u>
TOTAL <u>16,349.37</u>

EQUIPMENT
PUMP TRUCK <u>42 CEMENTER Andrew Fordlund</u>
# <u>576-281</u> HELPER <u>Kevin Ryan Cory</u>
BULK TRUCK
# <u>323</u> DRIVER <u>Monty Phillips</u>
BULK TRUCK
# <u>891</u> DRIVER <u>Paul (Tukon)</u>

REMARKS:  
Pump 20 BBL Hivis sweep 20 BBL mud clean  
115 sks ASC, wash pump and line clean  
Release plug and displace 850' LIFT 1400'  
land plug float held open DV tool 2500'  
Plug mouse hole and rat hole with 45 sks  
Mix 425 sks down 5 1/2 casing wash pump and  
line clean, lost circulate 225 sks mixed  
start displacement full circulation 250' LIFT  
land plug 1800' tool closed  
Cement in cellar  
thank you

CHARGE TO: Suemaw Exploration + Production  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

DISCOUNT <u>50%</u> <u>8,174.79</u>
SERVICE
HANDLING <u>668</u> @ <u>2.48</u> <u>1657.18</u>
MILEAGE <u>2.25 ton/mile 28.12 ton</u> <u>3023.20</u>
DEPTH OF JOB <u>4197'</u> <u>2765.75</u>
PUMP TRUCK CHARGE <u>226</u> <u>2466.25</u>
EXTRA FOOTAGE @
HV MILEAGE <u>40 miles</u> @ <u>7.70</u> <u>308.00</u>
LV MILEAGE <u>40 miles</u> @ <u>4.40</u> <u>176.00</u>
Standby pump @ <u>5000.00</u>
Head + manifold @ <u>225.00</u>
TOTAL <u>17,681.38</u>
DISCOUNT <u>50%</u> <u>7840.70</u>

PLUG & FLOAT EQUIPMENT
<u>5 1/2 DV - Tool</u> <u>5335.00</u>
<u>1 AFU float shoe</u> @ <u>545.00</u>
<u>1 Hatchdown Plug Assy</u> @ <u>660.00</u>
<u>1 Lock Ring</u> @ <u>59.00</u>
<u>2 Baskets</u> @ <u>795.00</u> <u>790.00</u>
<u>39 Centralizer</u> @ <u>57.00</u> <u>2223.00</u>
<u>1 BOX Thread Lock</u> <u>85.00</u>
TOTAL <u>9,697.00</u>
DISCOUNT <u>50%</u> <u>4,848.52</u>

To: Allied OFS, LLC.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME J Schroeder  
 SIGNATURE [Signature]

SALES TAX (If Any) \_\_\_\_\_  
 TOTAL CHARGES 41,727.95  
 DISCOUNT 20,863.97 (50%) IF PAID IN 30 DAYS  
 NET TOTAL 20,863.97 IF PAID IN 30 DAYS

Bid