

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # \_\_\_\_\_

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

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

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

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

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

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

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

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

Designate Type of Completion:

New Well  Re-Entry  Workover

Oil  WSW  SWD

Gas  DH  EOR

OG  GSW

CM (Coal Bed Methane)

Cathodic  Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

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

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

Deepening  Re-perf.  Conv. to EOR  Conv. to SWD

Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27  NAD83  WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

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

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**Drilling Fluid Management Plan**

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

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

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**AFFIDAVIT**

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

**KCC Office Use ONLY**

Confidentiality Requested

Date: \_\_\_\_\_

Confidential Release Date: \_\_\_\_\_

Wireline Log Received  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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

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

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

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Daystar Petroleum, Inc.
Well Name	SCHMEIDLER 1-25
Doc ID	1323811

All Electric Logs Run

DUCP
Dual Induction
Micro
Sonic

Form	ACO1 - Well Completion
Operator	Daystar Petroleum, Inc.
Well Name	SCHMEIDLER 1-25
Doc ID	1323811

Tops

Name	Top	Datum
Anhydrite	1403	765
B/Anhydrite	1441	727
Stotler	2957	-789
Topeka	3153	-985
Heebner	3390	-1222
Toronto	3412	-1244
Lansing	3440	-1272
Stark	3624	-1456
B/KC	3676	-1508
Arbuckle	3710	-1542





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Daystar Petroleum Inc  
522 N Main Street  
PO Box 560  
Eureka, Kansas 67045+0560  
ATTN: Brad Rine

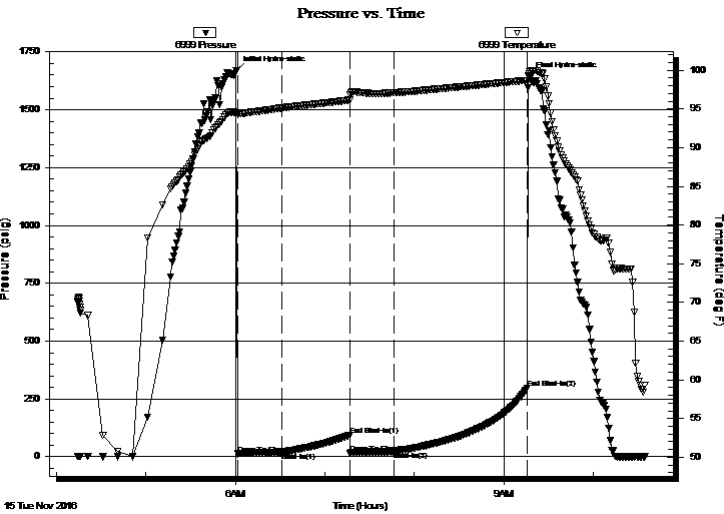
**25/12S/18W/Ellis**  
**Schneider # 1-25**  
Job Ticket: 63682 **DST#: 1**  
Test Start: 2016.11.15 @ 04:14:00

## GENERAL INFORMATION:

Formation: **LKC C**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 06:01:30  
Time Test Ended: 10:34:30  
Interval: **3457.00 ft (KB) To 3482.00 ft (KB) (TVD)**  
Total Depth: 3482.00 ft (KB) (TVD)  
Hole Diameter: 7.80 inches Hole Condition: Fair  
Reference Elevations: 2168.00 ft (KB)  
2163.00 ft (CF)  
KB to GR/CF: 5.00 ft

**Serial #: 6999 Inside**  
Press@RunDepth: 22.32 psig @ 3478.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2016.11.15 End Date: 2016.11.15 Last Calib.: 2016.11.15  
Start Time: 04:14:05 End Time: 10:34:29 Time On Btm: 2016.11.15 @ 06:00:30  
Time Off Btm: 2016.11.15 @ 09:17:00

TEST COMMENT: I.F. 30 minutes Blow built to 1 1/2 inch  
I.S.I. 45 minutes No blow back  
F.F. 30 minutes Blow built to 2 inches  
F.S.I. 90 minutes No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1669.99	94.55	Initial Hydro-static
1	12.75	94.32	Open To Flow (1)
31	17.82	95.12	Shut-In(1)
76	92.60	96.13	End Shut-In(1)
77	16.39	96.76	Open To Flow (2)
106	22.32	97.09	Shut-In(2)
195	295.10	98.69	End Shut-In(2)
197	1642.34	99.61	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	Oily Mud/ Oil 5% Mud 95%	0.07
0.00	45 feet of gas in pipe	0.00

## Gas Rates

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



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Daystar Petroleum Inc  
 522 N Main Street  
 PO Box 560  
 Eureka, Kansas 67045+0560  
 ATTN: Brad Rine

**25/12S/18W/Ellis**  
**Schneider # 1-25**  
 Job Ticket: 63682 **DST#: 1**  
 Test Start: 2016.11.15 @ 04:14:00

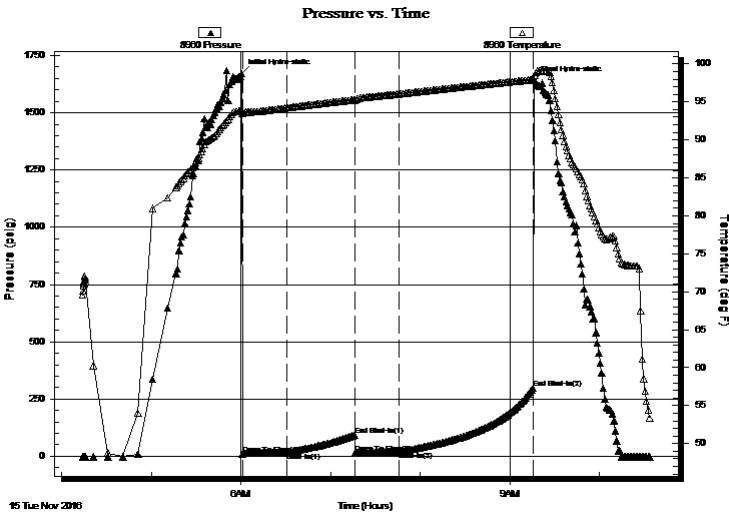
## GENERAL INFORMATION:

Formation: **LKC C**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 06:01:30  
 Time Test Ended: 10:34:30  
 Interval: **3457.00 ft (KB) To 3482.00 ft (KB) (TVD)**  
 Total Depth: 3482.00 ft (KB) (TVD)  
 Hole Diameter: 7.80 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Ken Swinney  
 Unit No: 72  
 Reference Elevations: 2168.00 ft (KB)  
 2163.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 8960 Outside**  
 Press@RunDepth: 298.64 psig @ 3479.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2016.11.15 End Date: 2016.11.15 Last Calib.: 2016.11.15  
 Start Time: 04:14:05 End Time: 10:33:59 Time On Btm: 2016.11.15 @ 06:00:30  
 Time Off Btm: 2016.11.15 @ 09:16:30

**TEST COMMENT:** I.F. 30 minutes Blow built to 1 1/2 inch  
 I.S.I. 45 minutes No blow back  
 F.F. 30 minutes Blow built to 2 inches  
 F.S.I. 90 minutes No blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1670.74	93.83	Initial Hydro-static
1	10.35	93.53	Open To Flow (1)
31	16.59	94.23	Shut-In(1)
76	92.25	95.29	End Shut-In(1)
76	14.74	95.27	Open To Flow (2)
106	20.43	96.06	Shut-In(2)
195	298.64	97.94	End Shut-In(2)
196	1641.03	98.46	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	Oily Mud/ Oil 5% Mud 95%	0.07
0.00	45 feet of gas in pipe	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Daystar Petroleum Inc

**25/12S/18W/Ellis**

522 N Main Street  
PO Box 560  
Eureka, Kansas 67045+0560  
ATTN: Brad Rine

**Schneider # 1-25**

Job Ticket: 63682

**DST#: 1**

Test Start: 2016.11.15 @ 04:14:00

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 8.00 lb/gal

Viscosity: 67.00 sec/qt

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

Resistivity: ohm.m

Salinity: 1000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Oily Mud/ Oil 5% Mud 95%	0.074
0.00	45 feet of gas in pipe	0.000

Total Length: 15.00 ft      Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



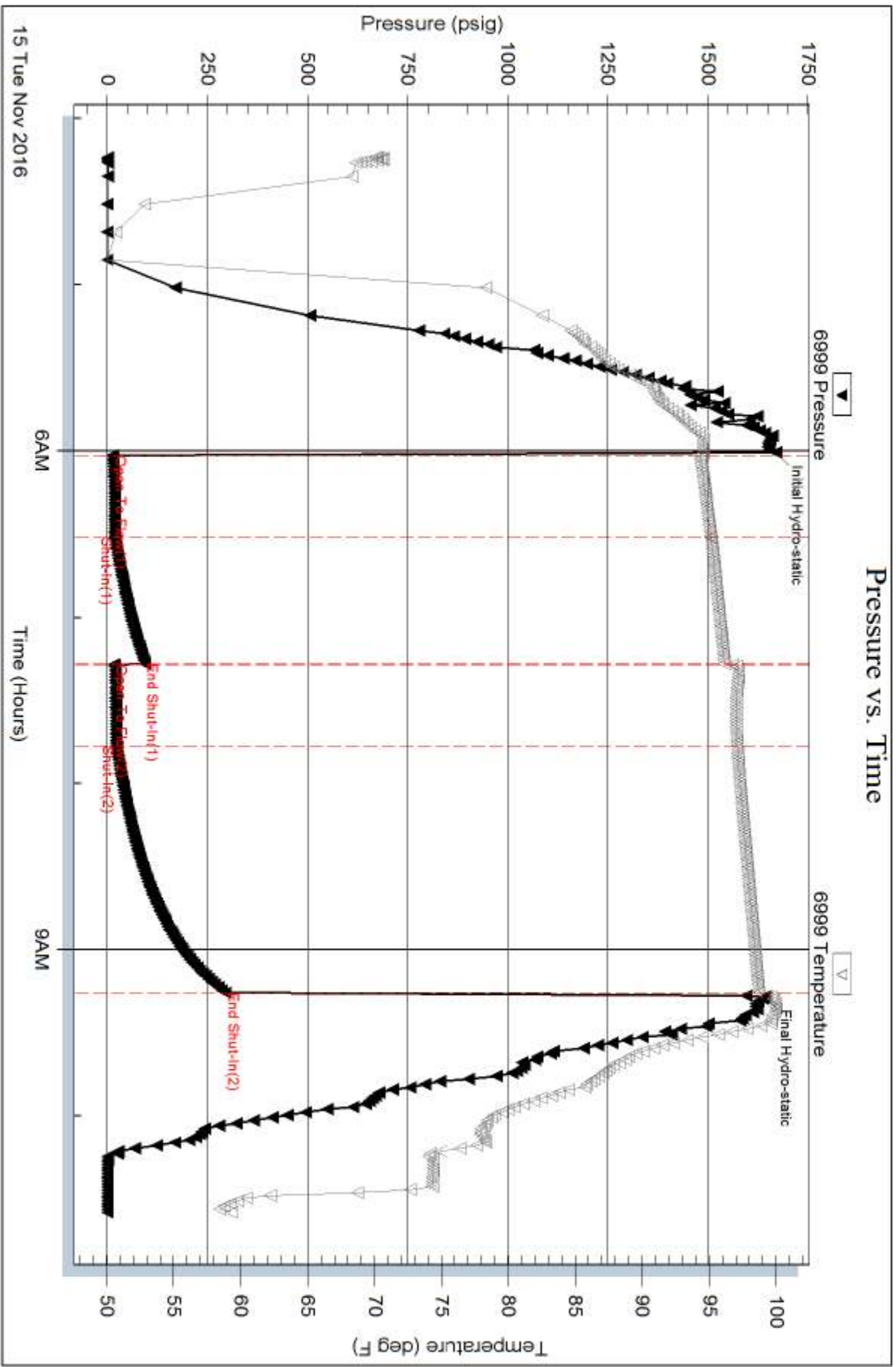
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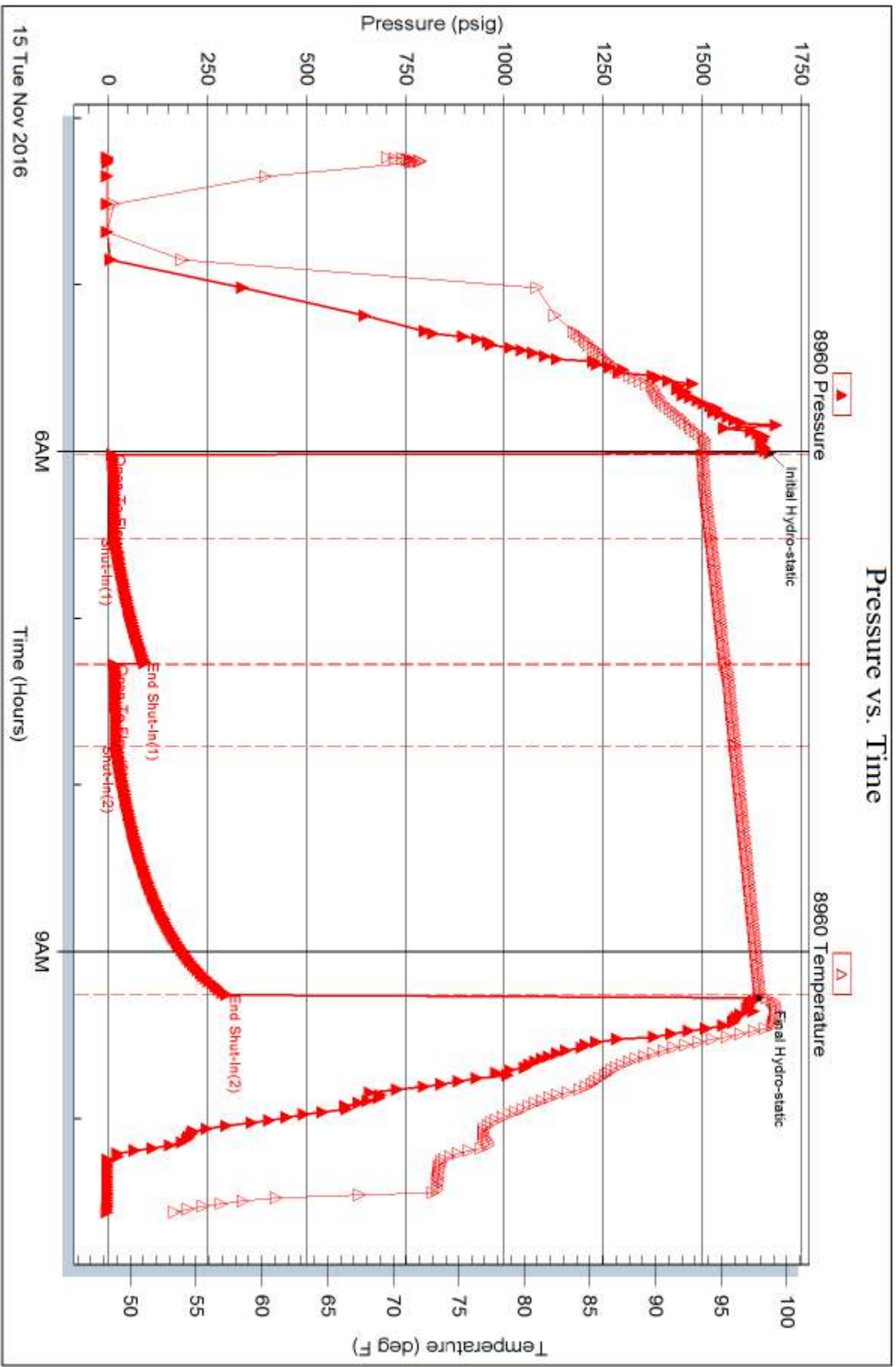
Inside

Daystar Petroleum Inc

Schneider # 1-25

DST Test Number: 1







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Daystar Petroleum Inc  
522 N Main Street  
PO Box 560  
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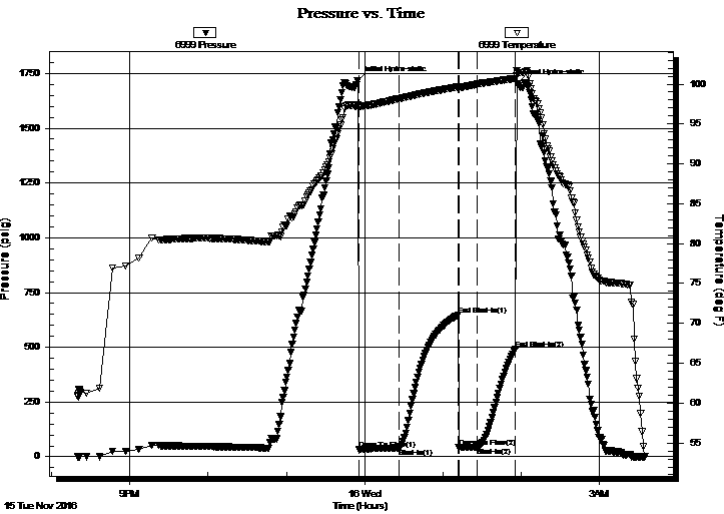
**25/12S/18W/Ellis**  
**Schneider # 1-25**  
Job Ticket: 63683      **DST#: 2**  
Test Start: 2016.11.15 @ 20:20:00

## GENERAL INFORMATION:

Formation: **Lansing/Kansas City**  
Deviated: No Whipstock:      ft (KB)      Test Type: Conventional Bottom Hole (Initial)  
Time Tool Opened: 23:55:30      Tester: Ken Swinney  
Time Test Ended: 03:34:30      Unit No: 72 Hays/18  
**Interval: 3478.00 ft (KB) To 3548.00 ft (KB) (TVD)**      Reference Elevations: 2168.00 ft (KB)  
Total Depth: 3548.00 ft (KB) (TVD)      2163.00 ft (CF)  
Hole Diameter: 7.80 inches Hole Condition: Fair      KB to GR/CF: 5.00 ft

**Serial #: 6999      Inside**  
Press@RunDepth: 43.75 psig @ 3544.35 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2016.11.15      End Date: 2016.11.16      Last Calib.: 2016.11.16  
Start Time: 20:20:05      End Time: 03:34:29      Time On Btm: 2016.11.15 @ 23:54:30  
Time Off Btm: 2016.11.16 @ 01:57:00

TEST COMMENT: I.F. 30 minutes/Blow built to 1/2 inch  
I.S.I. 45 minutes/No blow back  
F.F. 15 minutes/Few bubbles at open then dead  
F.S.I. 30 minutes/No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1716.89	97.35	Initial Hydro-static
1	34.25	97.14	Open To Flow (1)
32	40.59	98.15	Shut-In(1)
77	647.13	99.64	End Shut-In(1)
78	41.87	99.45	Open To Flow (2)
92	43.75	99.99	Shut-In(2)
121	490.67	100.72	End Shut-In(2)
123	1703.09	101.32	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud with show of oil/Mud 100%	0.07

## Gas Rates

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



**TRILOBITE TESTING, INC**

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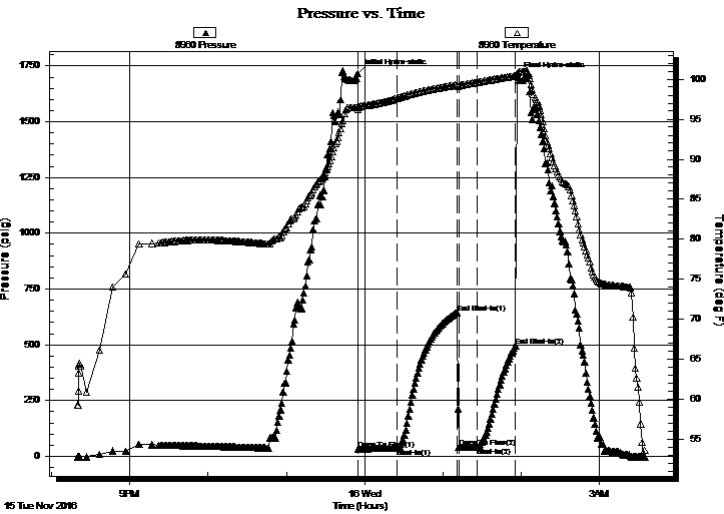
**25/12S/18W/Ellis**  
**Schneider # 1-25**  
 Job Ticket: 63683 **DST#: 2**  
 Test Start: 2016.11.15 @ 20:20:00

## GENERAL INFORMATION:

Formation: **Lansing/Kansas City**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 23:55:30  
 Time Test Ended: 03:34:30  
 Interval: **3478.00 ft (KB) To 3548.00 ft (KB) (TVD)**  
 Total Depth: 3548.00 ft (KB) (TVD)  
 Hole Diameter: 7.80 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Ken Swinney  
 Unit No: 72 Hays/18  
 Reference Elevations: 2168.00 ft (KB)  
 2163.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 8960 Outside**  
 Press@RunDepth: 494.94 psig @ 3545.35 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2016.11.15 End Date: 2016.11.16 Last Calib.: 2016.11.16  
 Start Time: 20:20:05 End Time: 03:34:29 Time On Btm: 2016.11.15 @ 23:54:30  
 Time Off Btm: 2016.11.16 @ 01:56:30

TEST COMMENT: I.F. 30 minutes/Blow built to 1/2 inch  
 I.S.I. 45 minutes/No blow back  
 F.F. 15 minutes/Few bubbles at open then dead  
 F.S.I. 30 minutes/No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1716.43	96.60	Initial Hydro-static
1	31.07	96.17	Open To Flow (1)
31	37.51	97.61	Shut-In(1)
76	644.59	99.29	End Shut-In(1)
78	39.27	99.18	Open To Flow (2)
92	42.21	99.61	Shut-In(2)
121	494.94	100.41	End Shut-In(2)
122	1702.01	100.65	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud with show of oil/Mud 100%	0.07

## Gas Rates

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

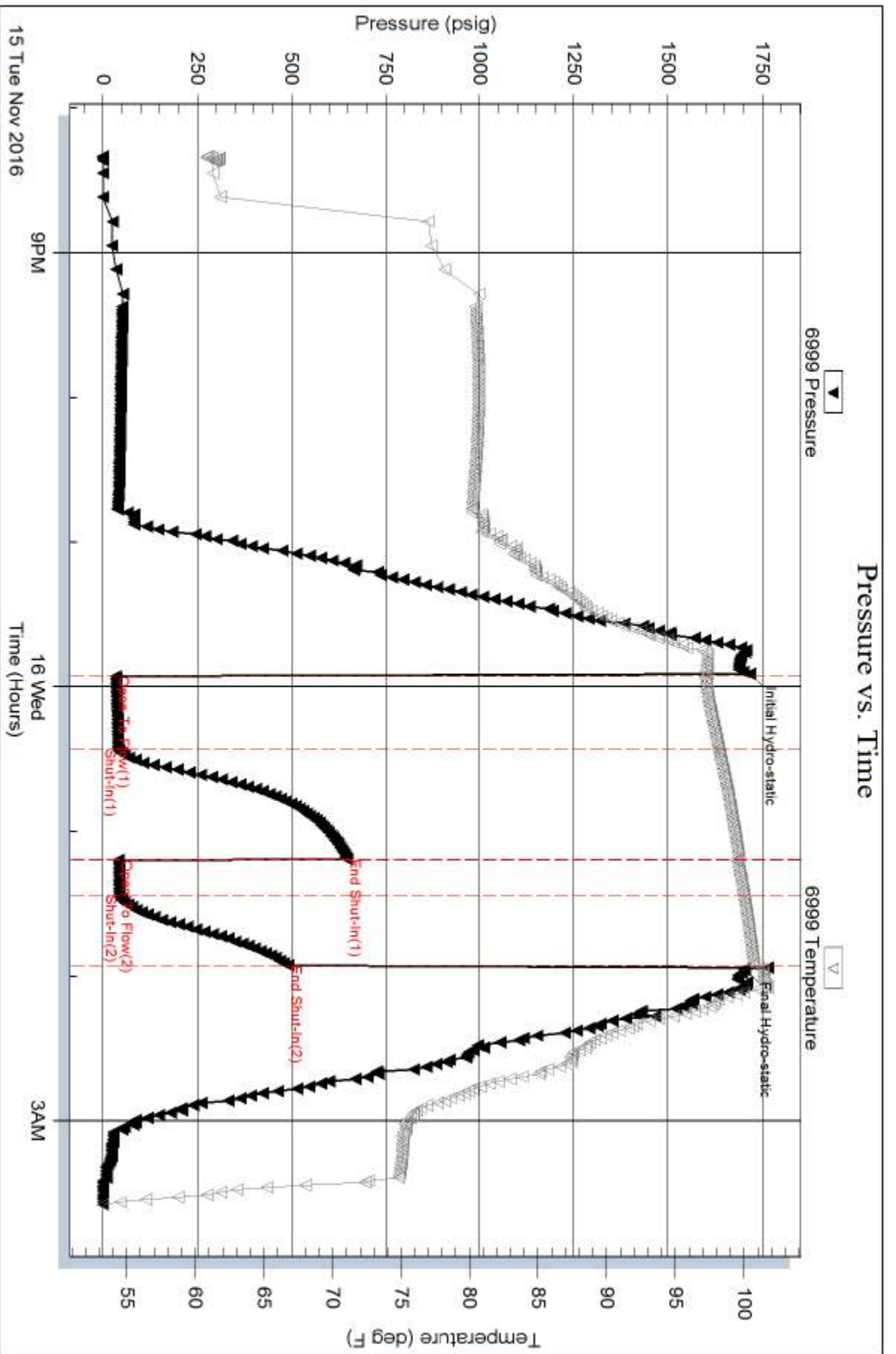
Serial #: 6999

Inside

Daystar Petroleum Inc

Schneider # 1-25

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 63683

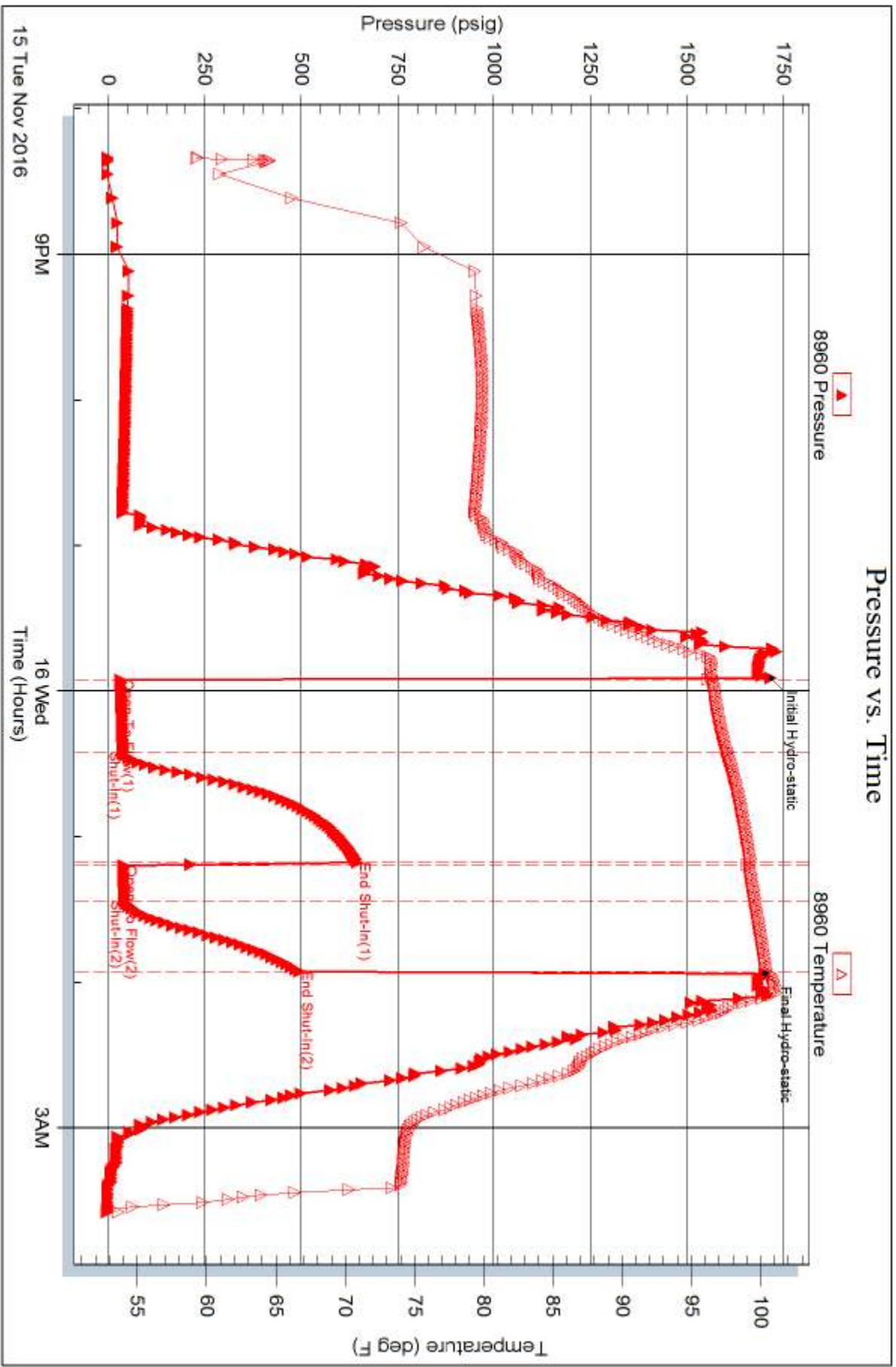
Printed: 2016.11.16 @ 07:00:53

Serial #: 8960

Outside Daystar Petroleum Inc

Schneider # 1-25

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 63683

Printed: 2016.11.16 @ 07:00:53



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Daystar Petroleum Inc  
522 N Main Street  
PO Box 560  
Eureka, Kansas 67045+0560  
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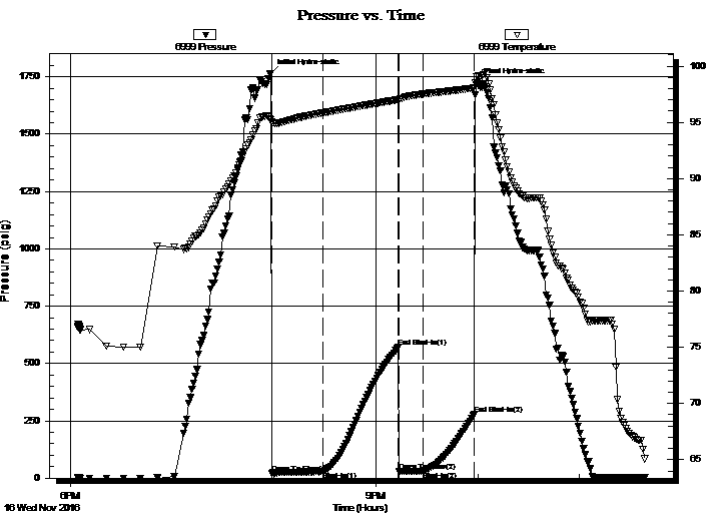
**25/12S/18W/Ellis**  
**Schneider # 1-25**  
Job Ticket: 63684      **DST#: 3**  
Test Start: 2016.11.16 @ 18:04:00

## GENERAL INFORMATION:

Formation: **Lansing/Kansas City**  
Deviated: No Whipstock:      ft (KB)  
Time Tool Opened: 19:58:30  
Time Test Ended: 23:39:00  
Interval: **3556.00 ft (KB) To 3687.00 ft (KB) (TVD)**  
Total Depth: 3687.00 ft (KB) (TVD)  
Hole Diameter: 7.80 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Ken Swinney  
Unit No: 72 Hays/18  
Reference Elevations: 2168.00 ft (KB)  
2163.00 ft (CF)  
KB to GR/CF: 5.00 ft

**Serial #: 6999      Inside**  
Press@RunDepth: 31.25 psig @ 3683.06 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2016.11.16      End Date: 2016.11.16      Last Calib.: 2016.11.16  
Start Time: 18:04:05      End Time: 23:38:59      Time On Btm: 2016.11.16 @ 19:58:00  
Time Off Btm: 2016.11.16 @ 21:59:30

TEST COMMENT: I.F. 30 minutes/Blow built to 1 inch then died to 1/4 inch  
I.S.I. 45 minutes/No blow back  
F.F. 15 minutes/Few bubbles at open then dead  
F.S.I. 30 minutes/No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1765.41	95.25	Initial Hydro-static
1	21.05	95.04	Open To Flow (1)
31	28.48	95.85	Shut-In(1)
75	569.75	97.01	End Shut-In(1)
76	30.33	96.98	Open To Flow (2)
90	31.25	97.52	Shut-In(2)
120	277.32	98.06	End Shut-In(2)
122	1726.10	99.05	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud with show of oil/ Mud 100%	0.10

## Gas Rates

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



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ATTN: Brad Rine

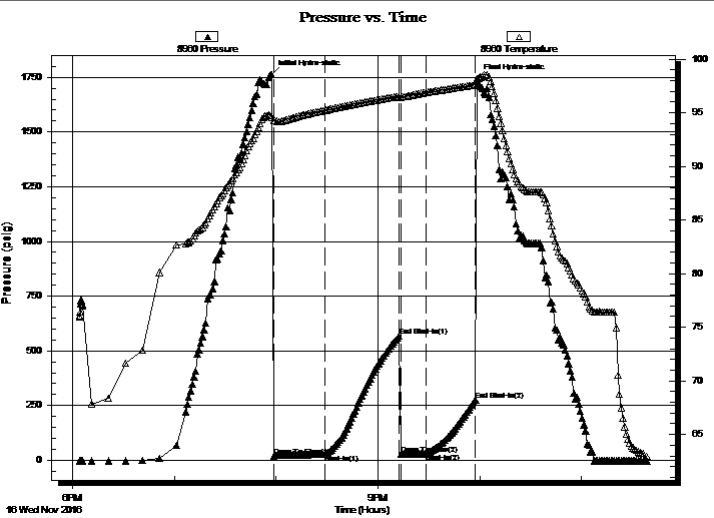
**25/12S/18W/Ellis**  
**Schneider # 1-25**  
Job Ticket: 63684      **DST#: 3**  
Test Start: 2016.11.16 @ 18:04:00

## GENERAL INFORMATION:

Formation: **Lansing/Kansas City**  
Deviated: No Whipstock:      ft (KB)      Test Type: Conventional Bottom Hole (Initial)  
Time Tool Opened: 19:58:30      Tester: Ken Swinney  
Time Test Ended: 23:39:00      Unit No: 72 Hays/18  
**Interval: 3556.00 ft (KB) To 3687.00 ft (KB) (TVD)**      Reference Elevations: 2168.00 ft (KB)  
Total Depth: 3687.00 ft (KB) (TVD)      2163.00 ft (CF)  
Hole Diameter: 7.80 inches Hole Condition: Fair      KB to GR/CF: 5.00 ft

**Serial #: 8960      Outside**  
Press@RunDepth: 276.17 psig @ 3684.06 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2016.11.16      End Date: 2016.11.16      Last Calib.: 2016.11.16  
Start Time: 18:04:05      End Time: 23:38:29      Time On Btm: 2016.11.16 @ 19:57:30  
Time Off Btm: 2016.11.16 @ 21:58:30

**TEST COMMENT:** I.F. 30 minutes/Blow built to 1 inch then died to 1/4 inch  
I.S.I. 45 minutes/No blow back  
F.F. 15 minutes/Few bubbles at open then dead  
F.S.I. 30 minutes/No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1763.17	94.60	Initial Hydro-static
1	20.20	94.26	Open To Flow (1)
31	26.98	95.22	Shut-In(1)
75	567.90	96.54	End Shut-In(1)
76	28.71	96.44	Open To Flow (2)
91	30.78	96.90	Shut-In(2)
120	276.17	97.61	End Shut-In(2)
121	1745.73	98.01	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud with show of oil/ Mud 100%	0.10

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Daystar Petroleum Inc

**25/12S/18W/Ellis**

522 N Main Street  
PO Box 560  
Eureka, Kansas 67045+0560  
ATTN: Brad Rine

**Schneider # 1-25**

Job Ticket: 63684

**DST#: 3**

Test Start: 2016.11.16 @ 18:04:00

## Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 54.00 sec/qt

Water Loss: 4.80 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Mud with show of oil/ Mud 100%	0.098

Total Length: 20.00 ft      Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

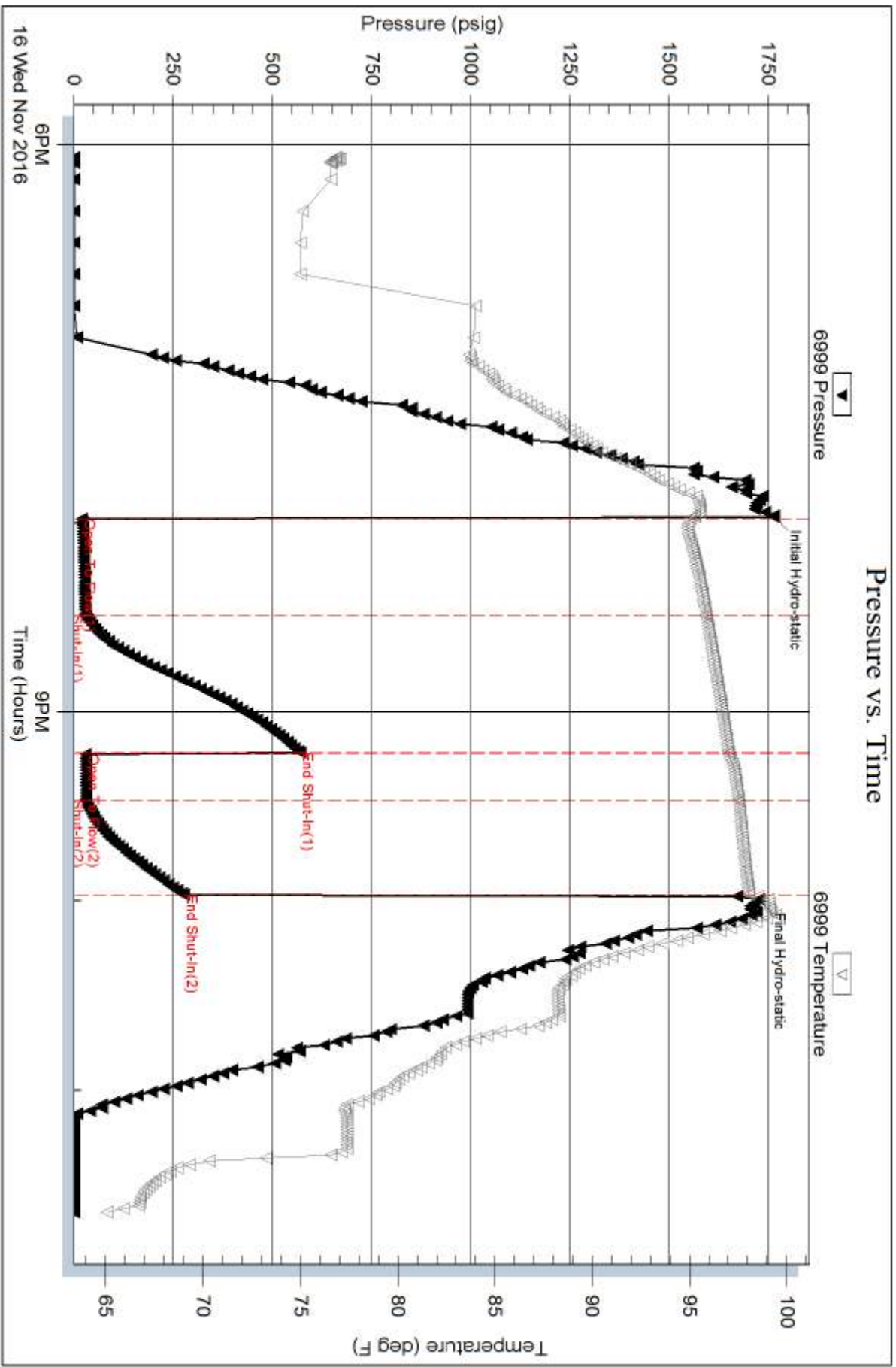
Serial #: 6999

Inside

Daystar Petroleum Inc

Schneider # 1-25

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 63684

Printed: 2016.11.17 @ 07:18:11

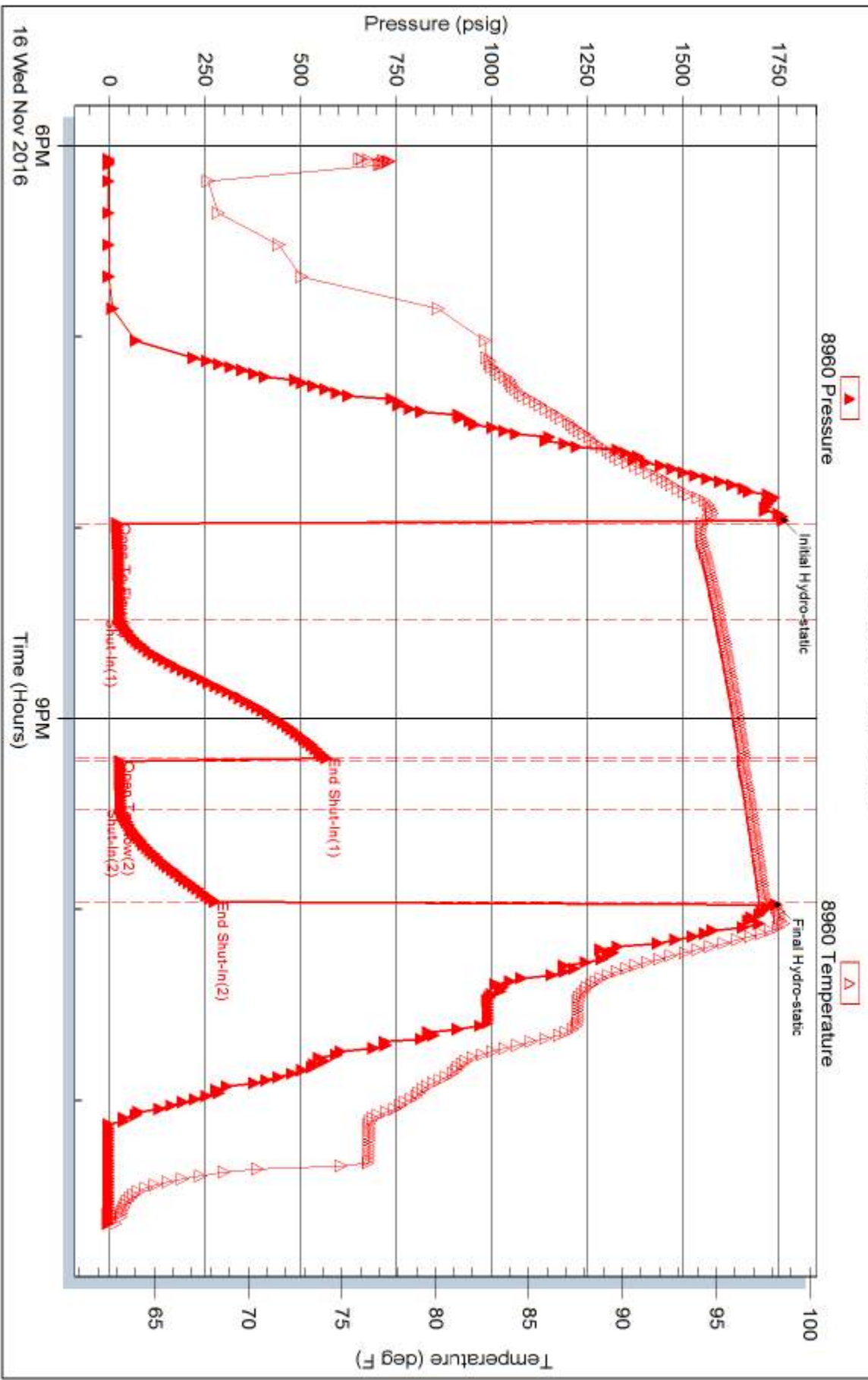
Serial #: 8960

Outside Daystar Petroleum Inc

Schmeider # 1-25

DST Test Number: 3

### Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 63684

Printed: 2016.11.17 @ 07:18:11



**TRILOBITE TESTING, INC**

## DRILL STEM TEST REPORT

Daystar Petroleum Inc  
 522 N Main Street  
 PO Box 560  
 Eureka, Kansas 67045+0560  
 ATTN: Brad Rine

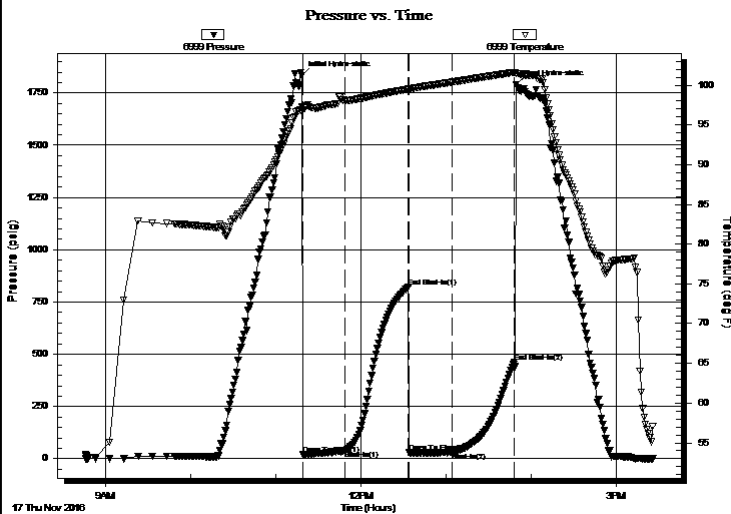
**25/12S/18W/Ellis**  
**Schneider # 1-25**  
 Job Ticket: 63685      **DST#: 4**  
 Test Start: 2016.11.17 @ 08:46:00

### GENERAL INFORMATION:

Formation: <b>Arbuckle</b>		Test Type: Conventional Bottom Hole (Initial)
Deviated: No Whipstock:      ft (KB)		Tester: Ken Swinney
Time Tool Opened: 11:19:00		Unit No: 72 Hays/18
Time Test Ended: 15:26:00		
<b>Interval: 3677.00 ft (KB) To 3719.00 ft (KB) (TVD)</b>		Reference Elevations: 2168.00 ft (KB)
Total Depth: 3719.00 ft (KB) (TVD)		2163.00 ft (CF)
Hole Diameter: 7.80 inches Hole Condition: Fair		KB to GR/CF: 5.00 ft

<b>Serial #: 6999</b> <b>Inside</b>				Capacity: 8000.00 psig
Press@RunDepth: 30.77 psig @ 3678.00 ft (KB)		Start Date: 2016.11.17	End Date: 2016.11.17	Last Calib.: 2016.11.17
Start Time: 08:46:05		End Time: 15:25:59		Time On Btm: 2016.11.17 @ 11:18:30
				Time Off Btm: 2016.11.17 @ 13:49:30

**TEST COMMENT:** I.F. 30 minutes/Blow built to 1 inch then died to 1/2 inch  
 I.S.I. 45 minutes/No blow back  
 F.F. 30 minutes/Intermittent surface blow throughout  
 F.S.I. 45 minutes/No blow back



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1833.04	97.22	Initial Hydro-static
1	21.02	96.91	Open To Flow (1)
31	39.68	98.04	Shut-In(1)
75	821.49	99.49	End Shut-In(1)
76	30.32	99.43	Open To Flow (2)
106	30.77	100.37	Shut-In(2)
150	462.17	101.60	End Shut-In(2)
151	1789.85	101.47	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
25.00	Oil cut Mud/Oil 5% Mud 95%	0.12
5.00	Muddy Oil/Mud 30% Oil 70%	0.02

### Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Daystar Petroleum Inc

522 N Main Street  
PO Box 560  
Eureka, Kansas 67045+0560  
ATTN: Brad Rine

**25/12S/18W/Ellis**

**Schneider # 1-25**

Job Ticket: 63685      **DST#: 4**  
Test Start: 2016.11.17 @ 08:46:00

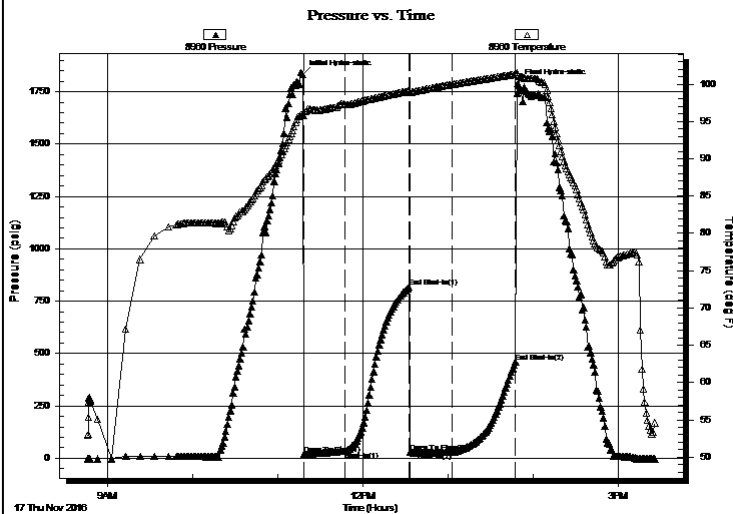
## GENERAL INFORMATION:

Formation: **Arbuckle**  
Deviated: No Whipstock:                              ft (KB)  
Time Tool Opened: 11:19:00  
Time Test Ended: 15:26:00  
Interval: **3677.00 ft (KB) To 3719.00 ft (KB) (TVD)**  
Total Depth: 3719.00 ft (KB) (TVD)  
Hole Diameter: 7.80 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Ken Swinney  
Unit No: 72 Hays/18  
Reference Elevations: 2168.00 ft (KB)  
2163.00 ft (CF)  
KB to GR/CF: 5.00 ft

**Serial #: 8960      Outside**  
Press@RunDepth: 460.32 psig @ 3679.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2016.11.17      End Date: 2016.11.17      Last Calib.: 2016.11.17  
Start Time: 08:46:05      End Time: 15:25:29      Time On Btm: 2016.11.17 @ 11:17:30  
Time Off Btm: 2016.11.17 @ 13:49:00

TEST COMMENT: I.F. 30 minutes/Blow built to 1 inch then died to 1/2 inch  
I.S.I. 45 minutes/No blow back  
F.F. 30 minutes/Intermittent surface blow throughout  
F.S.I. 45 minutes/No blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1831.00	96.08	Initial Hydro-static
1	19.09	95.74	Open To Flow (1)
30	34.56	97.28	Shut-In(1)
75	817.01	99.10	End Shut-In(1)
76	28.69	98.86	Open To Flow (2)
106	28.95	99.96	Shut-In(2)
150	460.32	101.31	End Shut-In(2)
152	1789.29	101.31	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
25.00	Oil cut Mud/Oil 5% Mud 95%	0.12
5.00	Muddy Oil/Mud 30% Oil 70%	0.02

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Daystar Petroleum Inc

**25/12S/18W/Ellis**

522 N Main Street  
PO Box 560  
Eureka, Kansas 67045+0560  
ATTN: Brad Rine

**Schmeider # 1-25**

Job Ticket: 63685

**DST#: 4**

Test Start: 2016.11.17 @ 08:46:00

## Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 54.00 sec/qt

Water Loss: 4.80 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
25.00	Oil cut Mud/Oil 5% Mud 95%	0.123
5.00	Muddy Oil/Mud 30% Oil 70%	0.025

Total Length: 30.00 ft      Total Volume: 0.148 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

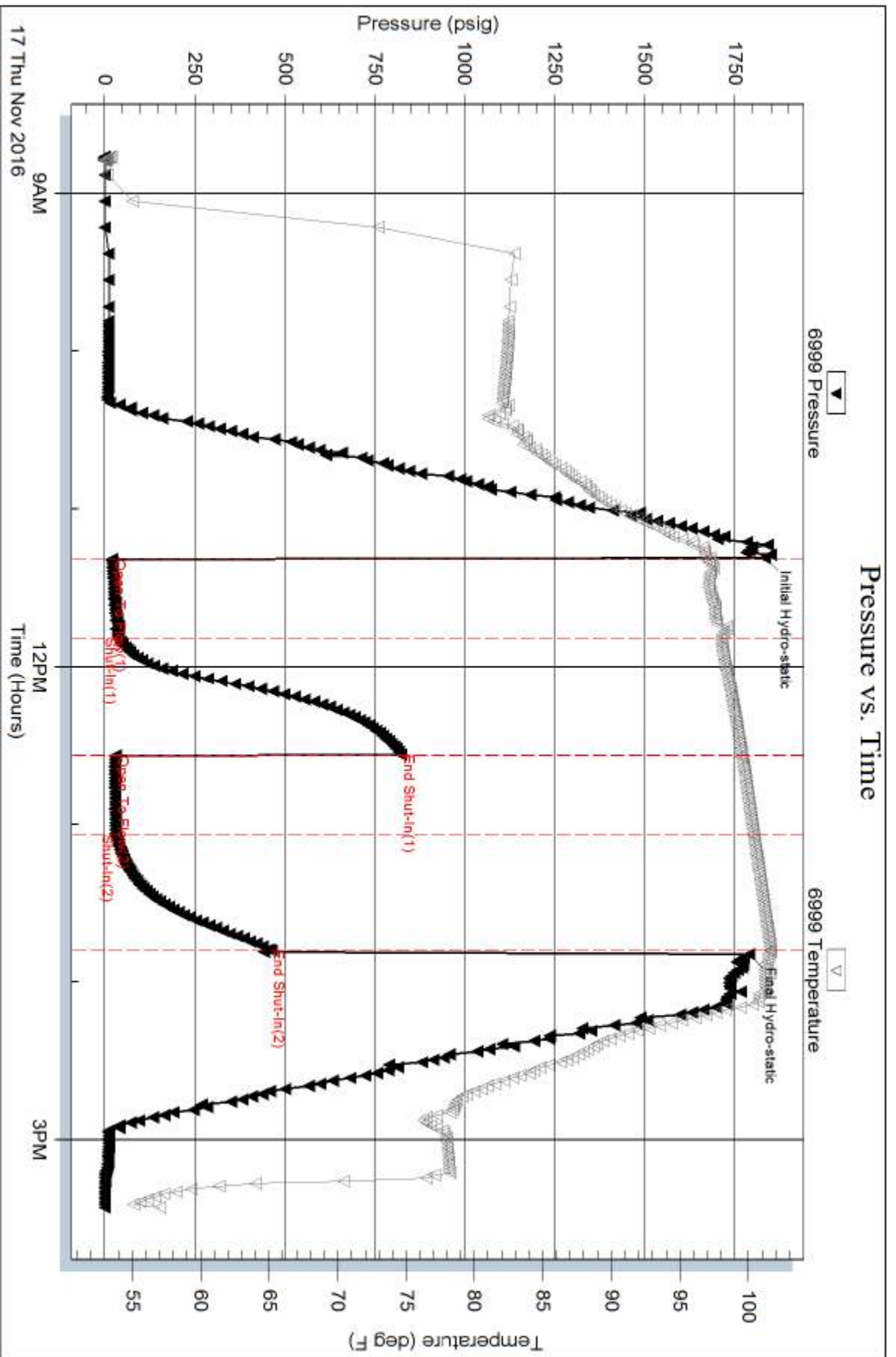
Serial #: 6999

Inside

Daystar Petroleum Inc

Schmeider # 1-25

DST Test Number: 4

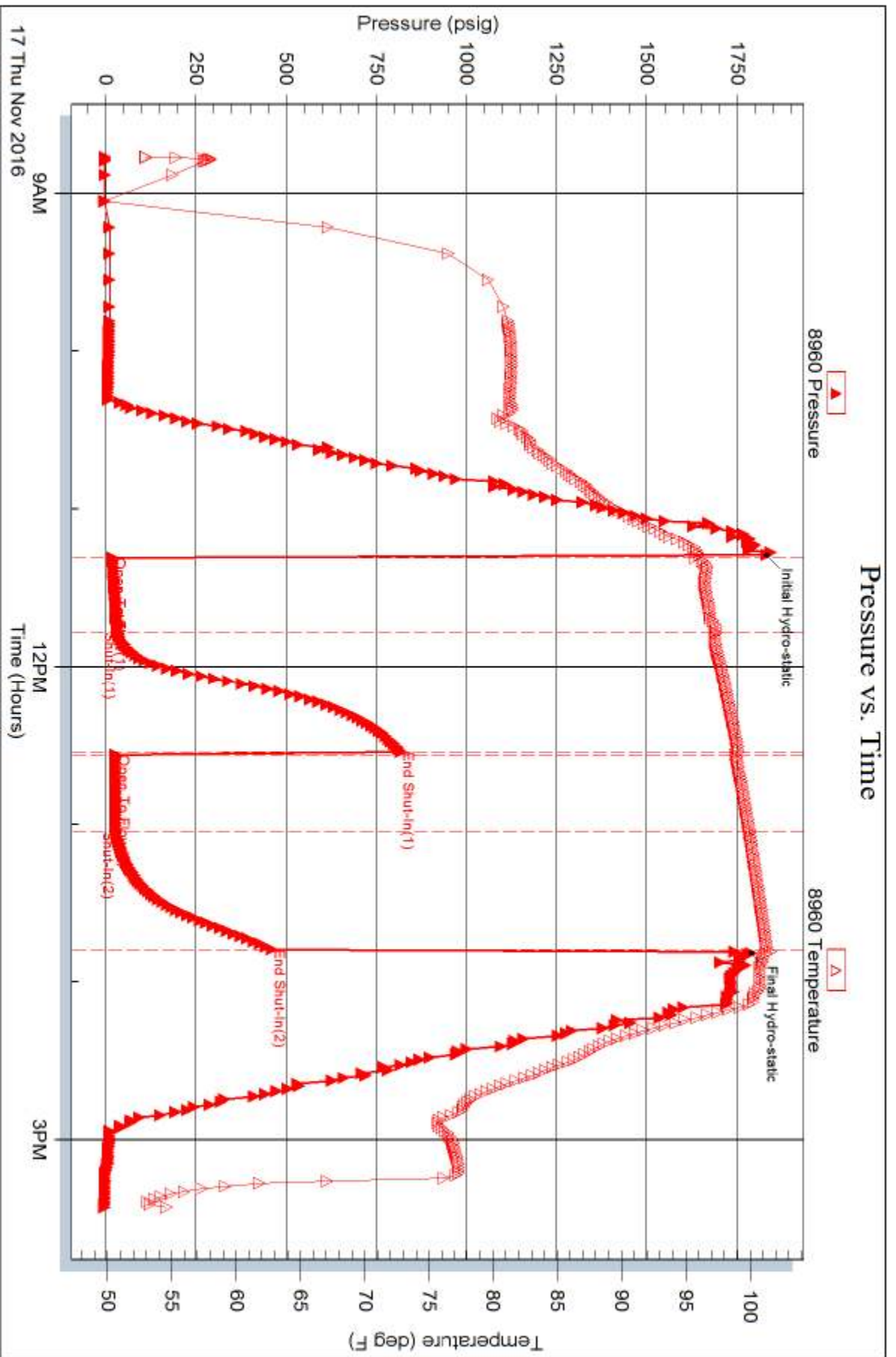


Serial #: 8960

Outside Daystar Petroleum Inc

Schmeider # 1-25

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 63685

Printed: 2016.11.17 @ 16:16:14





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Daystar Petroleum Inc  
 522 N Main Street  
 PO Box 560  
 Eureka, Kansas 67045+0560  
 ATTN: Brad Rine

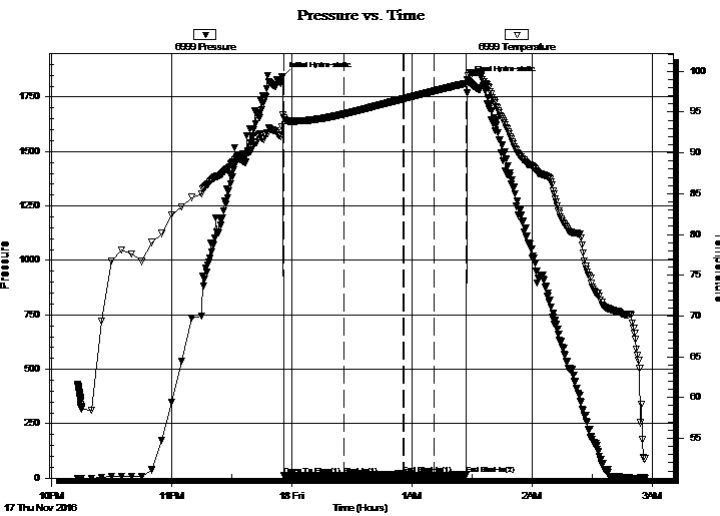
**25/12S/18W/Ellis**  
**Schneider # 1-25**  
 Job Ticket: 63686 **DST#: 5**  
 Test Start: 2016.11.17 @ 22:13:00

## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 23:56:00  
 Time Test Ended: 02:56:00  
 Interval: **3718.00 ft (KB) To 3724.00 ft (KB) (TVD)**  
 Total Depth: 3724.00 ft (KB) (TVD)  
 Hole Diameter: 7.80 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Ken Swinney  
 Unit No: 72 Hays/18  
 Reference Elevations: 2168.00 ft (KB)  
 2163.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 6999 Inside**  
 Press@RunDepth: 13.99 psig @ 3719.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2016.11.17 End Date: 2016.11.18 Last Calib.: 2016.11.18  
 Start Time: 22:13:05 End Time: 02:55:59 Time On Btm: 2016.11.17 @ 23:55:30  
 Time Off Btm: 2016.11.18 @ 01:28:00

TEST COMMENT: I.F. 30 minutes/Blow built to 1/4 inch then died to intermittent surface blow  
 I.S.I. 30 minutes/No blow back  
 F.F. 15 minutes/Dead no blow  
 F.S.I. 15 minutes/No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1844.54	94.62	Initial Hydro-static
1	12.43	94.28	Open To Flow (1)
31	13.53	94.76	Shut-In(1)
60	19.30	96.61	End Shut-In(1)
61	12.95	96.64	Open To Flow (2)
76	13.99	97.58	Shut-In(2)
92	15.95	98.53	End Shut-In(2)
93	1823.96	99.46	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1.00	Oily Mud in tool/Oil 5% Mud 95%	0.00

## Gas Rates

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



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Daystar Petroleum Inc  
 522 N Main Street  
 PO Box 560  
 Eureka, Kansas 67045+0560  
 ATTN: Brad Rine

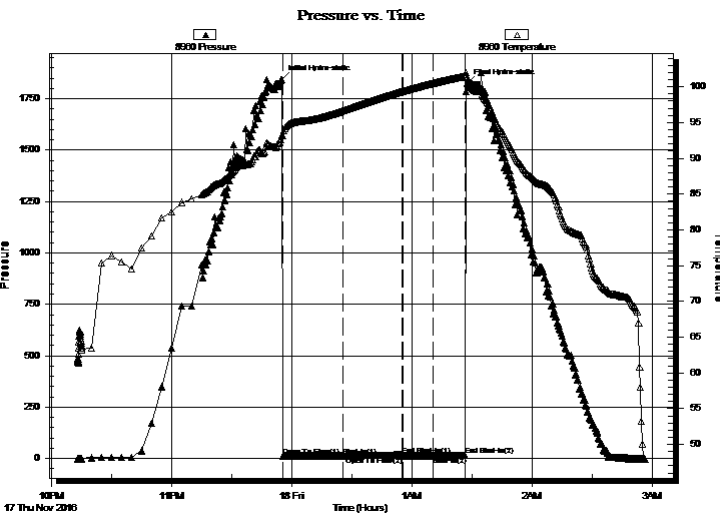
**25/12S/18W/Ellis**  
**Schneider # 1-25**  
 Job Ticket: 63686 **DST#: 5**  
 Test Start: 2016.11.17 @ 22:13:00

## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 23:56:00  
 Time Test Ended: 02:56:00  
 Interval: **3718.00 ft (KB) To 3724.00 ft (KB) (TVD)**  
 Total Depth: 3724.00 ft (KB) (TVD)  
 Hole Diameter: 7.80 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Ken Swinney  
 Unit No: 72 Hays/18  
 Reference Elevations: 2168.00 ft (KB)  
 2163.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 8960 Outside**  
 Press@RunDepth: 14.49 psig @ 3720.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2016.11.17 End Date: 2016.11.18 Last Calib.: 2016.11.18  
 Start Time: 22:13:05 End Time: 02:55:59 Time On Btm: 2016.11.17 @ 23:55:00  
 Time Off Btm: 2016.11.18 @ 01:27:30

TEST COMMENT: I.F. 30 minutes/Blow built to 1/4 inch then died to intermittent surface blow  
 I.S.I. 30 minutes/No blow back  
 F.F. 15 minutes/Dead no blow  
 F.S.I. 15 minutes/No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1842.57	93.12	Initial Hydro-static
1	10.79	93.16	Open To Flow (1)
31	12.21	96.66	Shut-In(1)
60	17.65	99.35	End Shut-In(1)
61	11.01	99.39	Open To Flow (2)
76	12.34	100.51	Shut-In(2)
92	14.49	101.52	End Shut-In(2)
93	1822.72	101.36	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1.00	Oily Mud in tool/Oil 5% Mud 95%	0.00

## Gas Rates

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

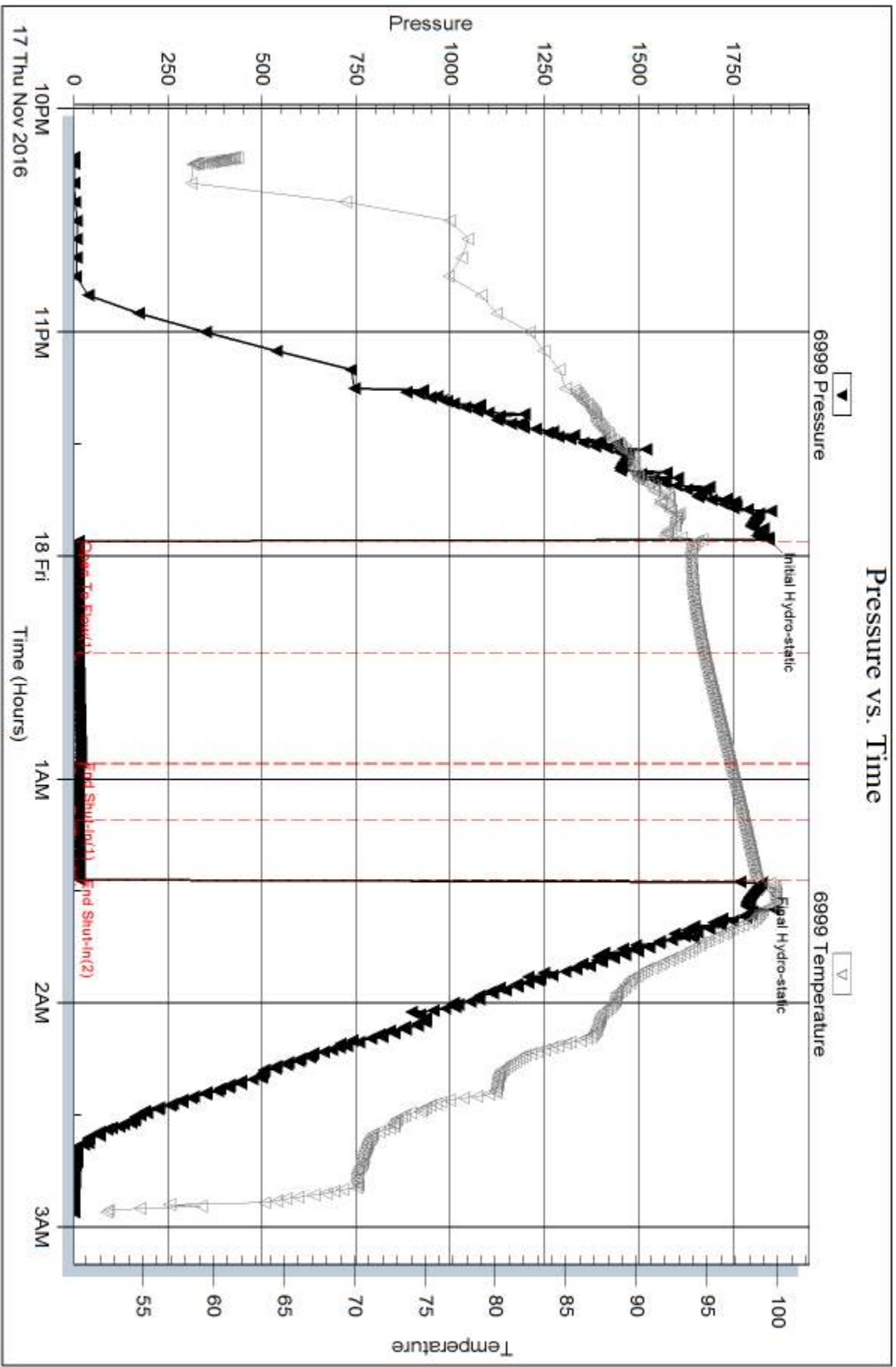
Serial #: 6999

Inside

Daystar Petroleum Inc

Schneider # 1-25

DST Test Number: 5

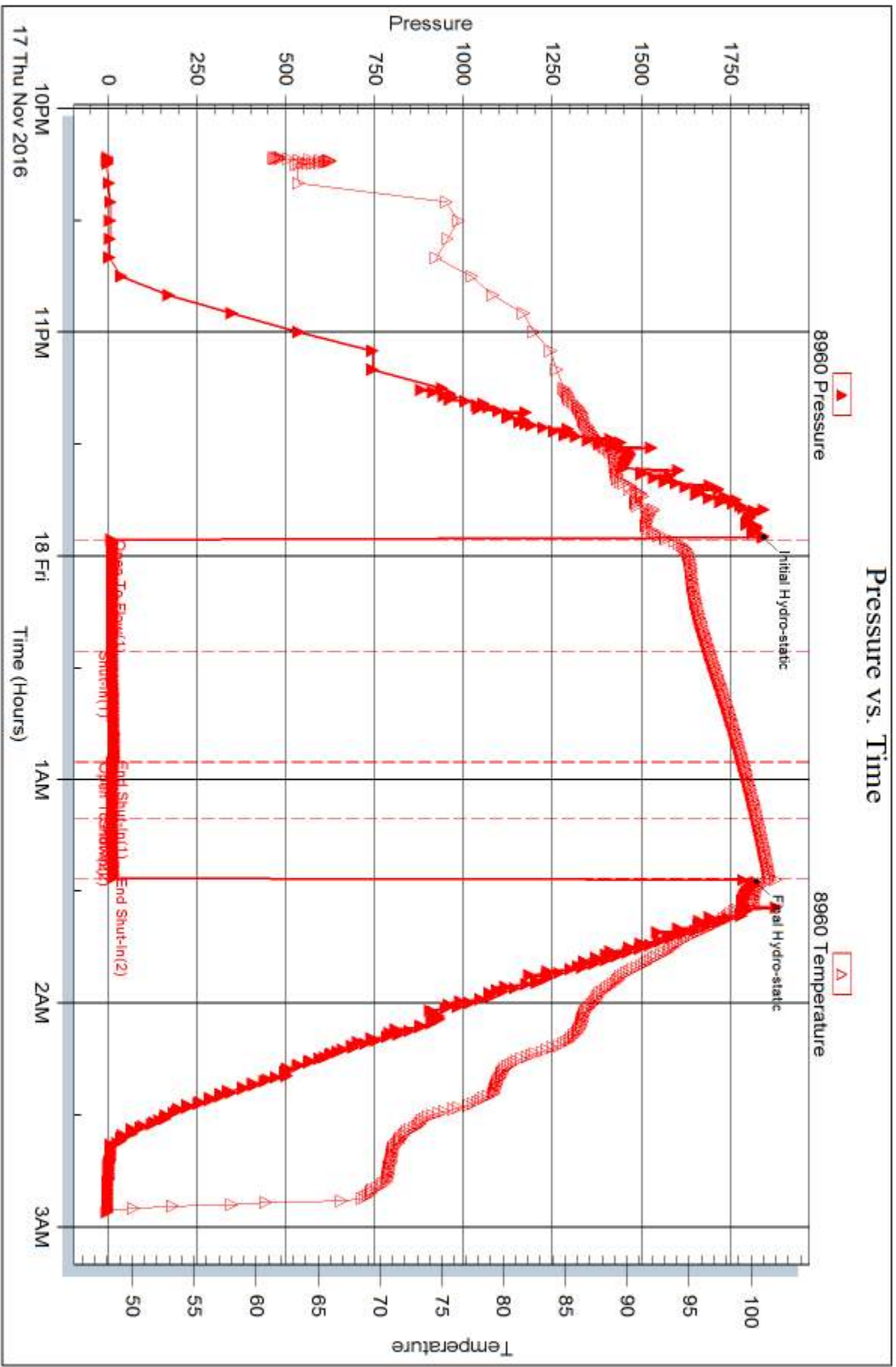


Serial #: 8960

Outside Daystar Petroleum Inc

Schneider # 1-25

DST Test Number: 5



Triobite Testing, Inc

Ref. No: 63686

Printed: 2016.11.18 @ 07:19:13



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Daystar Petroleum Inc  
 522 N Main Street  
 PO Box 560  
 Eureka, Kansas 67045+0560  
 ATTN: Brad Rine

**25/12S/18W/Ellis**  
**Schneider # 1-25**  
 Job Ticket: 63687      **DST#: 6**  
 Test Start: 2016.11.18 @ 21:46:00

## GENERAL INFORMATION:

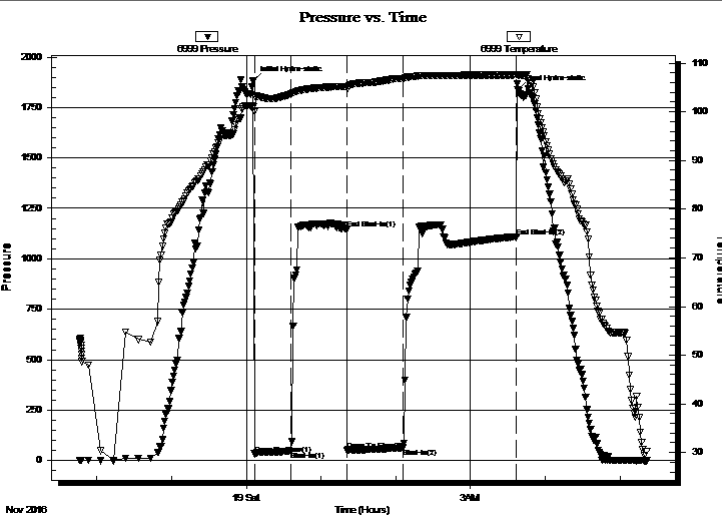
Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 00:06:30  
 Time Test Ended: 05:22:00  
 Interval: **3724.00 ft (KB) To 3740.00 ft (KB) (TVD)**  
 Total Depth: 3800.00 ft (KB) (TVD)  
 Hole Diameter: 7.80 inches Hole Condition: Fair  
 Test Type: Conventional Straddle (Initial)  
 Tester: Ken Swinney  
 Unit No: 72 Hays/18  
 Reference Elevations: 2168.00 ft (KB)  
 2163.00 ft (CF)  
 KB to GR/CF: 5.00 ft

## Serial #: 6999

Inside

Press@RunDepth: 62.80 psig @ 3724.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2016.11.18      End Date: 2016.11.19      Last Calib.: 2016.11.19  
 Start Time: 21:46:05      End Time: 05:21:59      Time On Btm: 2016.11.19 @ 00:05:30  
 Time Off Btm: 2016.11.19 @ 03:38:00

TEST COMMENT: I.F. 30 minutes/Blow built to 4 inches then died to 2 1/2 inches  
 I.S.I. 45 minutes/No blow back  
 F.F. 45 minutes/Blow built to 3 inches  
 F.S.I. 90 minutes/No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1882.07	101.13	Initial Hydro-static
1	33.78	100.10	Open To Flow (1)
31	45.90	103.64	Shut-In(1)
75	1146.27	105.24	End Shut-In(1)
76	50.68	104.90	Open To Flow (2)
121	62.80	106.88	Shut-In(2)
212	1109.82	107.59	End Shut-In(2)
213	1839.98	107.58	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
90.00	Watery Mud/Water 30% Mud 70%	0.99

## Gas Rates

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



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Daystar Petroleum Inc  
 522 N Main Street  
 PO Box 560  
 Eureka, Kansas 67045+0560  
 ATTN: Brad Rine

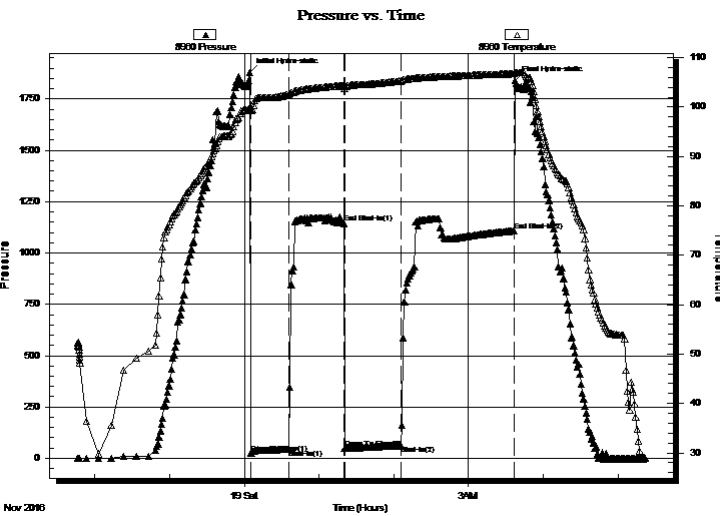
**25/12S/18W/Ellis**  
**Schneider # 1-25**  
 Job Ticket: 63687 **DST#: 6**  
 Test Start: 2016.11.18 @ 21:46:00

## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 00:06:30  
 Time Test Ended: 05:22:00  
 Test Type: Conventional Straddle (Initial)  
 Tester: Ken Swinney  
 Unit No: 72 Hays/18  
 Interval: **3724.00 ft (KB) To 3740.00 ft (KB) (TVD)**  
 Total Depth: 3800.00 ft (KB) (TVD)  
 Hole Diameter: 7.80 inches Hole Condition: Fair  
 Reference Elevations: 2168.00 ft (KB)  
 2163.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 8960 Outside**  
 Press@RunDepth: 1107.91 psig @ 3724.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2016.11.18 End Date: 2016.11.19 Last Calib.: 2016.11.19  
 Start Time: 21:46:05 End Time: 05:21:59 Time On Btm: 2016.11.19 @ 00:04:30  
 Time Off Btm: 2016.11.19 @ 03:37:30

TEST COMMENT: I.F. 30 minutes/Blow built to 4 inches then died to 2 1/2 inches  
 I.S.I. 45 minutes/No blow back  
 F.F. 45 minutes/Blow built to 3 inches  
 F.S.I. 90 minutes/No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1879.33	99.70	Initial Hydro-static
1	26.40	99.28	Open To Flow (1)
31	44.44	102.54	Shut-In(1)
76	1144.26	104.34	End Shut-In(1)
76	49.44	103.70	Open To Flow (2)
121	61.44	105.27	Shut-In(2)
212	1107.91	106.74	End Shut-In(2)
213	1839.48	106.91	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
90.00	Watery Mud/Water 30% Mud 70%	0.99

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Daystar Petroleum Inc  
522 N Main Street  
PO Box 560  
Eureka, Kansas 67045+0560  
ATTN: Brad Rine

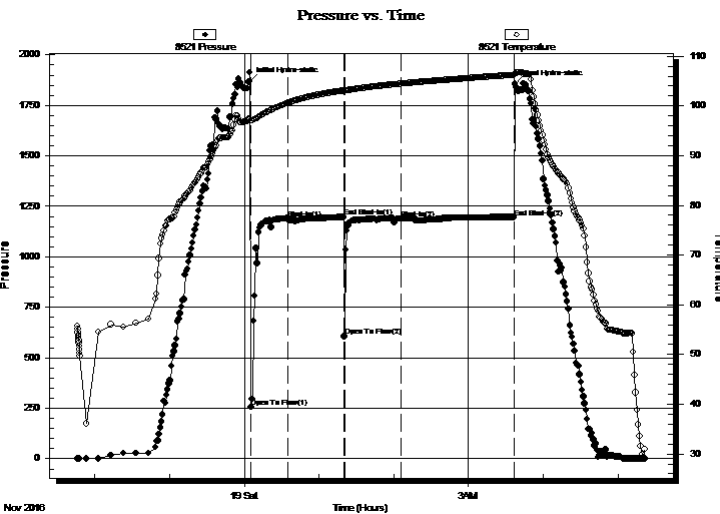
**25/12S/18W/Ellis**  
**Schneider # 1-25**  
Job Ticket: 63687      **DST#: 6**  
Test Start: 2016.11.18 @ 21:46:00

## GENERAL INFORMATION:

Formation: **Arbuckle**  
Deviated: No      Whipstock:                      ft (KB)  
Time Tool Opened: 00:06:30  
Time Test Ended: 05:22:00  
**Interval: 3724.00 ft (KB) To 3740.00 ft (KB) (TVD)**  
Total Depth: 3800.00 ft (KB) (TVD)  
Hole Diameter: 7.80 inches      Hole Condition: Fair  
Test Type: Conventional Straddle (Initial)  
Tester: Ken Swinney  
Unit No: 72 Hays/18  
Reference Elevations: 2168.00 ft (KB)  
2163.00 ft (CF)  
KB to GR/CF: 5.00 ft

**Serial #: 8521      Below (Straddle)**  
Press@RunDepth: 1195.27 psig @ 3762.78 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2016.11.18      End Date: 2016.11.19      Last Calib.: 2016.11.19  
Start Time: 21:46:05      End Time: 05:21:29      Time On Btm: 2016.11.19 @ 00:04:00  
Time Off Btm: 2016.11.19 @ 03:37:30

TEST COMMENT: I.F. 30 minutes/Blow built to 4 inches then died to 2 1/2 inches  
I.S.I. 45 minutes/No blow back  
F.F. 45 minutes/Blow built to 3 inches  
F.S.I. 90 minutes/No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1866.74	97.34	Initial Hydro-static
2	256.67	97.06	Open To Flow (1)
31	1189.79	100.57	Shut-In(1)
76	1195.81	103.07	End Shut-In(1)
77	605.95	102.84	Open To Flow (2)
122	1188.59	104.41	Shut-In(2)
213	1195.27	106.18	End Shut-In(2)
214	1855.47	106.54	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
90.00	Watery Mud/Water 30% Mud 70%	0.99

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Daystar Petroleum Inc

**25/12S/18W/Ellis**

522 N Main Street  
PO Box 560  
Eureka, Kansas 67045+0560  
ATTN: Brad Rine

**Schneider # 1-25**

Job Ticket: 63687

**DST#: 6**

Test Start: 2016.11.18 @ 21:46:00

## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 45.00 sec/qt  
Water Loss: 7.99 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 5000.00 ppm  
Filter Cake: 1.00 inches

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

Oil API: deg API  
Water Salinity: ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	Watery Mud/Water 30% Mud 70%	0.989

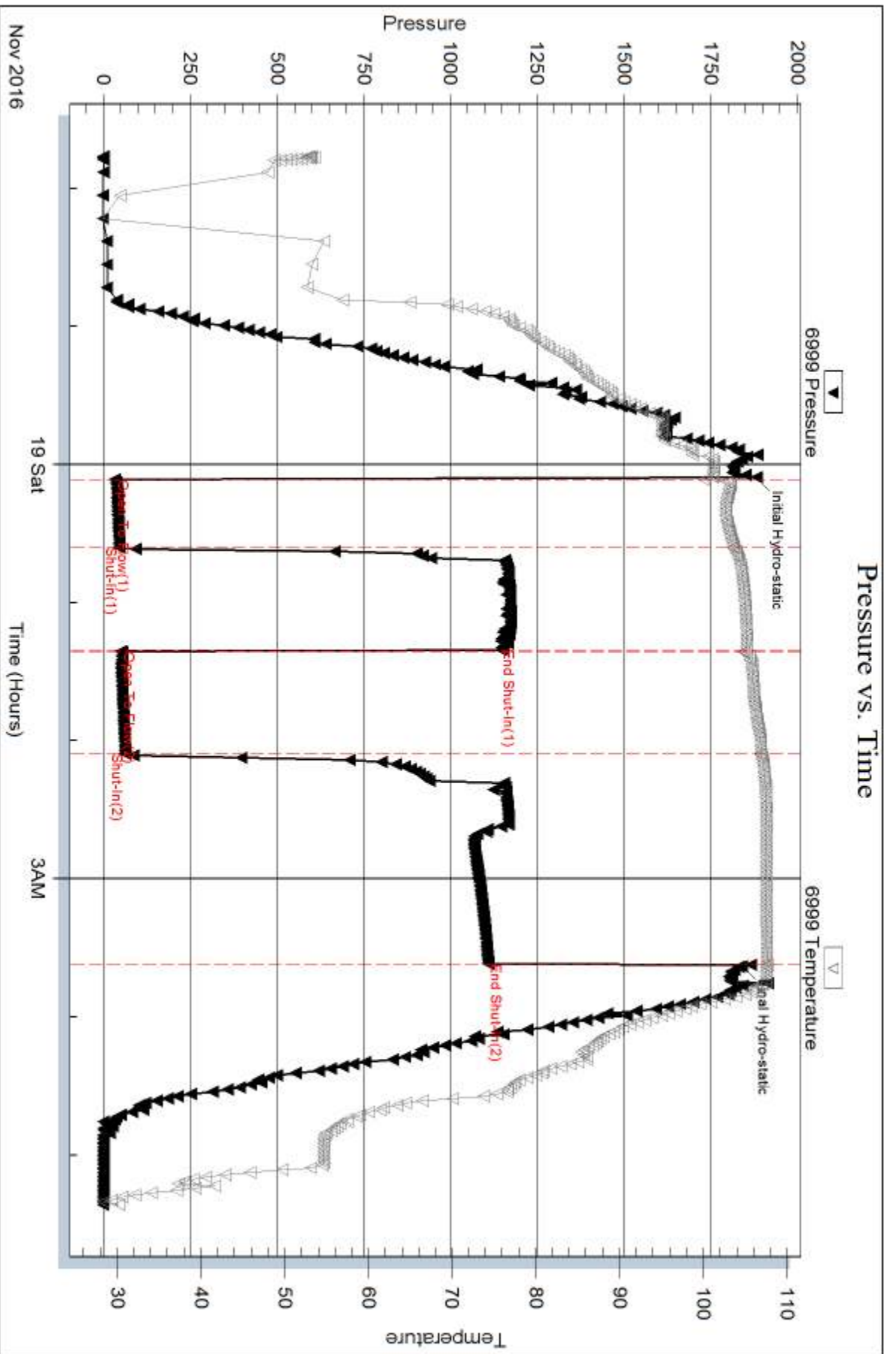
Total Length: 90.00 ft      Total Volume: 0.989 bbl

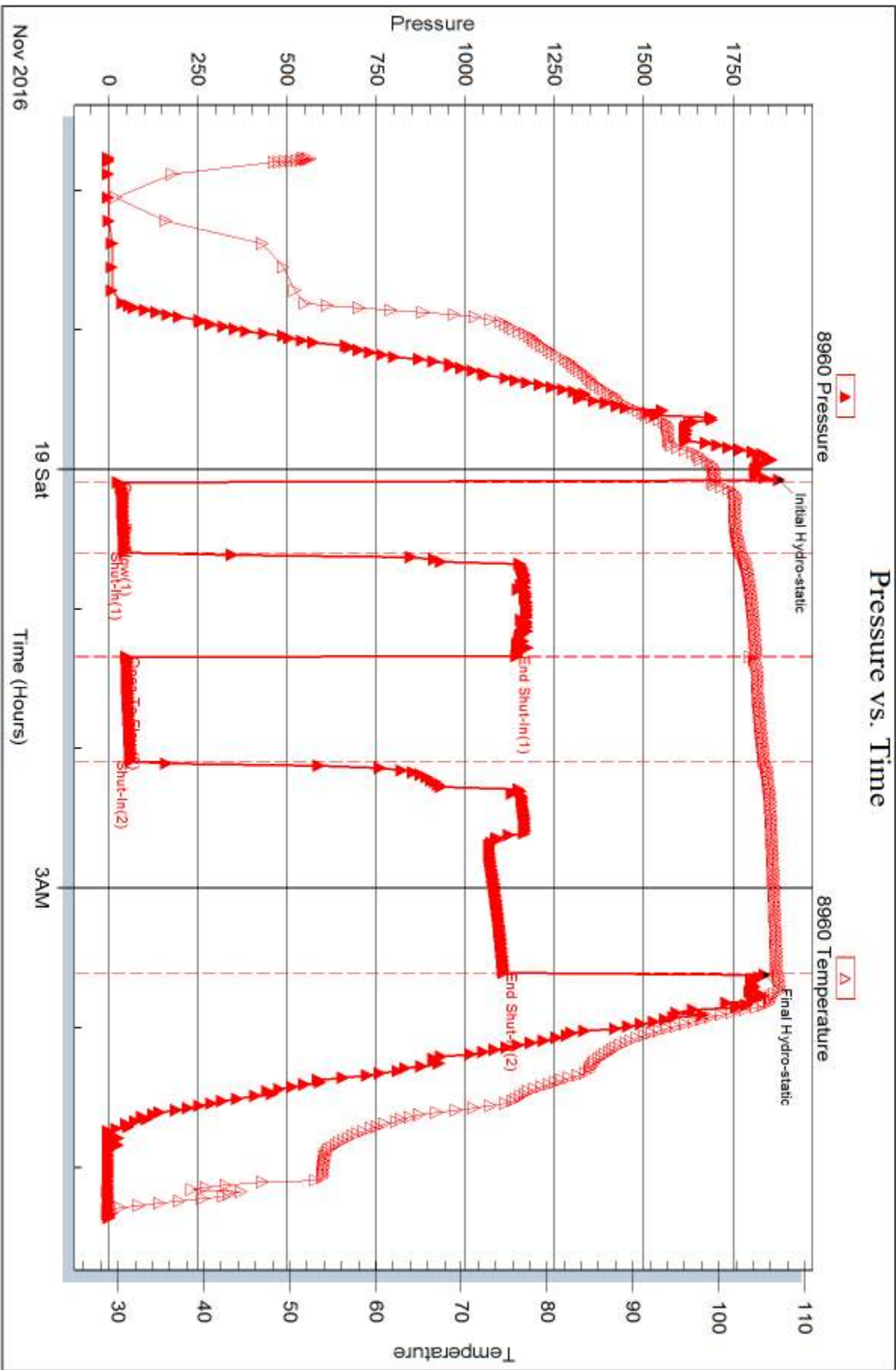
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

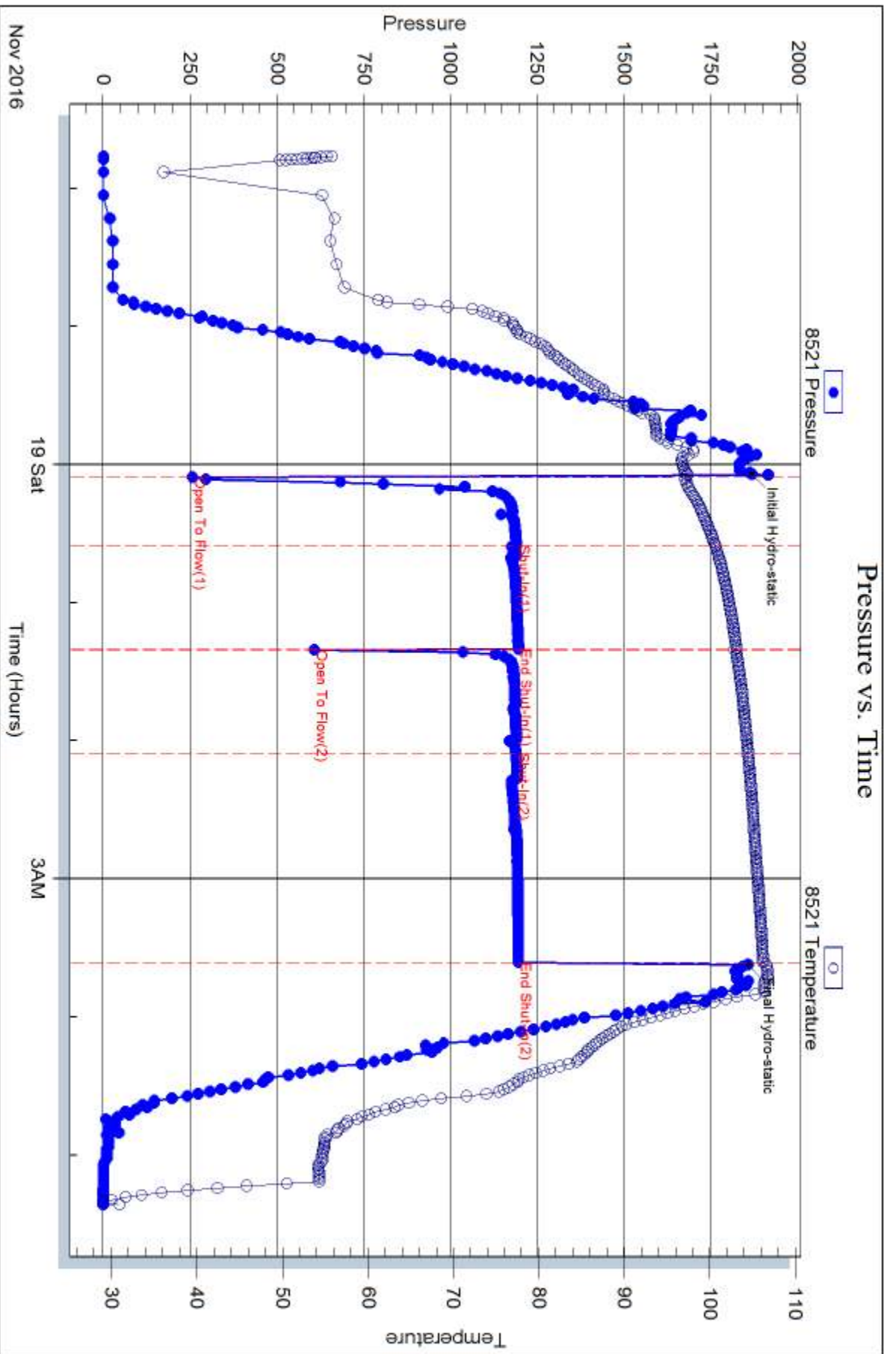
Laboratory Name:      Laboratory Location:

Recovery Comments: .783 ohms @ 32 degrees









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

SERVICE POINT:  
Cabley

DATE <u>11-11-16</u>	SEC. <u>25</u>	TWP. <u>12S</u>	RANGE <u>18W</u>	CALLED OUT	ON LOCATION	JOB START <u>1:30 AM</u>	JOB FINISH <u>2:00 AM</u>
LEASE <u>Schmeidler</u>	WELL # <u>1-25</u>	LOCATION <u>Hays SW 3E 1N 14W</u>			COUNTY <u>Ellis</u>	STATE <u>KS</u>	
OLD OR (NEW) (Circle one)			<u>Sinto</u>				

CONTRACTOR <u>Murfin K</u>	OWNER <u>same</u>
TYPE OF JOB <u>Surface</u>	CEMENT
HOLE SIZE <u>12 1/4</u>	T.D. <u>250'</u>
CASING SIZE <u>8 5/8</u>	DEPTH <u>249.07'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>15'</u>	
PERFS.	
DISPLACEMENT <u>14.91 BAL</u>	
EQUIPMENT	
PUMP TRUCK # <u>522-281</u>	CEMENTER <u>Andrew Forstlund</u>
BULK TRUCK # <u>891</u>	HELPER <u>Kevin R. Pitt</u>
BULK TRUCK #	DRIVER <u>Sade Mitten</u>
BULK TRUCK #	DRIVER
	COMMON <u>160 sks</u> @ <u>17.90</u> <u>2864.00</u>
	POZMIX @
	GEL <u>300#</u> @ <u>1.05</u> <u>315.00</u>
	CHLORIDE <u>451 #</u> @ <u>1.10</u> <u>496.10</u>
	ASC @
	@
	@
	@
	@
	@
	@
	TOTAL <u>3,675.10</u>
	DISCOUNT <u>48%</u> <u>1,764.05</u>

REMARKS:

Circulated 5 BAL TO PIT

Thank you

CHARGE TO: Day Star Petroleum

STREET

CITY STATE ZIP

**SERVICE**

HANDLING <u>123 cu/FT</u>	@ <u>2.48</u>	<u>429.04</u>
MILEAGE <u>2.25 ton/mile 8 ton</u>		<u>770.00</u>
DEPTH OF JOB <u>249'</u>		
PUMP TRUCK CHARGE		<u>1512.25</u>
EXTRA FOOTAGE	@	
HV MILEAGE <u>30 miles</u>	@ <u>7.20</u>	<u>231.00</u>
LV MILEAGE <u>30 miles</u>	@ <u>4.40</u>	<u>132.00</u>
<u>swedge</u>	@	<u>225.00</u>
	@	
		TOTAL <u>3349.29</u>
		DISCOUNT <u>48%</u> <u>1607.65</u>

**PLUG & FLOAT EQUIPMENT**

	@	
	@	
	@	
	@	
	@	
	@	
		TOTAL
		DISCOUNT %

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 AFD

SIGNATURE [Signature]

SALES TAX (If Any)	
TOTAL CHARGES <u>7,024.39</u>	
DISCOUNT <u>3,371.70 (48%)</u>	IF PAID IN 30 DAYS
NET TOTAL <u>3,652.68</u>	IF PAID IN 30 DAYS

Bid

Operator Name: DAYSTAR PETROLEUM  
 Well Name: Schmeidler Trust 1-25  
 November 14, 2016



**Cost Estimate**

**8 5/8 " Surface**

Operations	Qty	UoM	Unit Price	Total	Net Price
PUMP,CASING CEMENT 0-500 FT	1.00	min. 4 hr	\$1,512.25	\$1,512.25	\$786.37
				Subtotal:	\$786.37
<b>Products</b>					
CLASS A COMMON	235	sack	\$17.90	\$4,206.50	\$2,187.38
CALCIUM CHLORIDE, PELLETS OR FLAKE	663	pound	\$1.10	\$729.30	\$379.24
CELLOPHANE FLAKES	59	pound	\$2.97	\$175.23	\$91.12
				Subtotal:	\$2,657.74
<b>Transport</b>					
Products handling service charge	253.00	per cu. Ft.	\$2.48	\$627.44	\$326.27
Drayage for Products	343.00	ton-mile	\$2.75	\$943.25	\$490.49
Light Vehicle Mileage	30.00	per mile	\$4.40	\$132.00	\$68.64
Heavy Vehicle Mileage	30.00	per mile	\$7.70	\$231.00	\$120.12
				Subtotal:	\$1,005.52

<b>TOTAL INVOICE EXCLUDING ADDITIONAL ITEMS</b>		<b>\$8,556.97</b>	<b>\$4,449.62</b>
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Additional Items	Qty	UoM	Unit Price	Total	Net Price
Additional hours, in excess of set hours	1.00	per hour	\$ 440.00	\$ 440.00	\$ 228.80
				Subtotal:	\$ 228.80

The data contained in this proposal is based on the best information available at the time of writing and is subject to further analysis and testing. The prices contained in this proposal are estimates and may vary depending on the work actually performed. Pricing does not include federal, state and local taxes or royalties. This quotation is based on being awarded the work on a first call basis and may be subject to change for second or third call. This quotation is valid for thirty (30) days after listed proposal date, and may be subject to change if the work is performed more than thirty (30) days after the listed proposal date.

**TERMS and CONDITIONS**

Allied OFS' performance of services and sale of materials is expressly conditioned upon the applicability of the Terms and Conditions listed on the service ticket provided at the job site. The Terms and Conditions include, among other things, an indemnity in favor of Allied OFS from Customer for damage to the well bore, reservoir damage, loss of the hole, blowouts and loss of control of the well, even if caused by the negligence or other fault of Allied OFS. The Terms and Conditions also limit the warranties provided by Allied OFS and the remedies to which Customer may be entitled in the event of a breach of warranty by Allied OFS. For these reasons, we strongly recommend that you carefully review a copy of the Terms and Conditions.

By requesting that Allied OFS perform the services described herein, Customer acknowledges that such Terms and Conditions are applicable to the services. Further, by requesting the services, Customer warrants that its representative on the well location or other service site will be fully authorized to acknowledge such Terms and Conditions by executing a service ticket or other document presented by Allied OFS containing such Terms and Conditions.

In the event that Customer and Allied OFS have executed a Master Services Agreement covering the work to be performed, such Master Services Agreement shall govern in place of the Terms and Conditions.



# ALLIED OFS, LLC

Federal Tax I.D. #81-2169190

29940

68186 483

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

SERVICE POINT:

Oakley, Ky

DATE	11/19/16	SEC	25	TWP	12	RANGE	18	CALLED OUT		ON LOCATION		JOB START	11:20 AM	JOB FINISH	10:20 PM
LEASE	Submerged	WELL #	1-25	LOCATION	Haggly N 70					3 E 1 W		COUNTY	Polk	STATE	Ky
OLD OR (NEW)	(Circle one)									1410 5/10					

CONTRACTOR Maxlin 16  
 TYPE OF JOB PTH  
 HOLE SIZE 2 1/2" T.D. \_\_\_\_\_  
 CASING SIZE 2 5/8" DEPTH 250'  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. \_\_\_\_\_  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT \_\_\_\_\_

OWNER Same

CEMENT AMOUNT ORDERED 290 60/40 490 114 PLS

POZMIX		@	18.92	5486.80
GEL		@		
CHLORIDE		@		
ASC		@		
Pro Seal	73	@	2.92	216.84
		@		
		@		
		@		
		@		
		@		
		@		

### EQUIPMENT

PUMP TRUCK CEMENTER Alan Ryan  
 # 516-281 HELPER Rain Ryan  
 BULK TRUCK \_\_\_\_\_  
 # 891 DRIVER Cory Brown  
 BULK TRUCK \_\_\_\_\_  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

TOTAL 5,703.61

DISCOUNT 48% 2,737.73

### REMARKS:

50 @ 3690' - Displace w/ Big Head  
50 @ 1500' - Displace w/ H<sub>2</sub>O  
100 @ 815' - Displace w/ H<sub>2</sub>O  
50 @ 300' - Displace w/ H<sub>2</sub>O  
10 @ 40'  
30 @ R.H.

### SERVICE

HANDLING	311.5	CF	@ 2.48	772.52
MILEAGE	225	mi/mile	13.70	1022.95
DEPTH OF JOB	3690			
PUMP TRUCK CHARGE				2600.47
EXTRA FOOTAGE		@		
HV MILEAGE	30	@	7.70	231.00
LV MILEAGE	30	@	4.90	132.00
		@		
		@		

TOTAL 4,808.94

DISCOUNT 48% 2,308.29

### PLUG & FLOAT EQUIPMENT

2 5/8 wood Plug	@		110.00
	@		
	@		
	@		
	@		

TOTAL 110.00

DISCOUNT 48% 52.80

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 AFO

SIGNATURE [Signature]

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES 10,622.55

DISCOUNT 5,098.82 (48%) IF PAID IN 30 DAYS

NET TOTAL 5,523.72 IF PAID IN 30 DAYS