

Confidentiality Requested:

Yes  No

**KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

**Form must be Typed**

**Form must be Signed**

**All blanks must be Filled**

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

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

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

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

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

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

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

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

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

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

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

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

Designate Type of Completion:

New Well  Re-Entry  Workover

Oil  WSW  SWD

Gas  DH  EOR

OG  GSW

CM (Coal Bed Methane)

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

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

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

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

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

Deepening  Re-perf.  Conv. to EOR  Conv. to SWD  
 Plug Back  Liner  Conv. to GSW  Conv. to Producer

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

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

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

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

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

Spud Date or Date Reached TD Completion Date or Recompletion Date

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

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

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

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

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

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

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

Datum:  NAD27  NAD83  WGS84

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

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

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

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

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

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

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

Multiple Stage Cementing Collar Used?  Yes  No

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

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

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

**Drilling Fluid Management Plan**

*(Data must be collected from the Reserve Pit)*

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

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

Location of fluid disposal if hauled offsite: \_\_\_\_\_

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

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

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

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

**AFFIDAVIT**

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

Submitted Electronically

**KCC Office Use ONLY**

Confidentiality Requested

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

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

Wireline Log Received  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

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

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

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

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

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

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

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

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

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

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

TUBING RECORD:	Size:	Set At:	Packer At:	
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**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Brungardt Oil and Leasing Inc

**18-12s-17w Ellis KS**

213 W 7th Street  
PO BOX 871  
Russell KS 67665+0871  
ATTN: Larry Nicholson

**Schmeidler Trust #1**

Job Ticket: 70006

**DST#: 1**

Test Start: 2022.11.25 @ 15:13:00

## GENERAL INFORMATION:

Formation: **LKC G**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:26:37

Time Test Ended: 22:25:27

Test Type: Conventional Bottom Hole (Initial)

Tester: Spencer J Staab

Unit No: 84

**Interval: 3490.00 ft (KB) To 3510.00 ft (KB) (TVD)**

Reference Elevations: 2170.00 ft (KB)

Total Depth: 3510.00 ft (KB) (TVD)

2162.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 8875 Outside**

Press@RunDepth: 44.33 psig @ 3491.00 ft (KB)

Capacity: psig

Start Date: 2022.11.25

End Date: 2022.11.25

Last Calib.: 2022.11.25

Start Time: 15:13:01

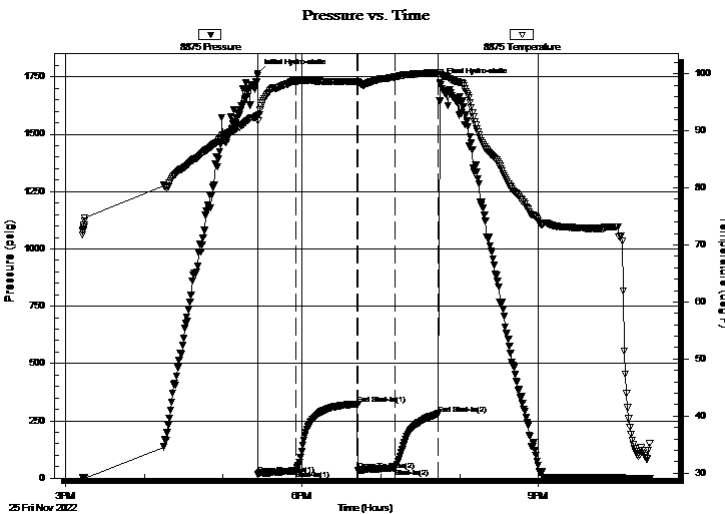
End Time: 22:25:27

Time On Btm: 2022.11.25 @ 17:26:32

Time Off Btm: 2022.11.25 @ 19:45:07

**TEST COMMENT:** 30-IF-Surface to 1.75"  
45-ISI-No Return  
30-FF-Surface to 1.25"  
30-FSI-No Return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1765.29	92.58	Initial Hydro-static
1	17.21	91.81	Open To Flow (1)
29	32.24	98.74	Shut-In(1)
76	323.67	98.62	End Shut-In(1)
76	35.65	98.56	Open To Flow (2)
104	44.33	99.43	Shut-In(2)
138	280.46	100.23	End Shut-In(2)
139	1723.88	100.12	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	Heavy Mud 100%M	0.14
35.00	MW 30%M 70%W	0.50
10.00	Clean Oil 100%O	0.14
0.00	30 GIP 100%G	0.00

## Gas Rates

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



# DRILL STEM TEST REPORT

Brungardt Oil and Leasing Inc

**18-12s-17w Ellis KS**

213 W 7th Street  
PO BOX 871  
Russell KS 67665+0871  
ATTN: Larry Nicholson

**Schmeidler Trust #1**

Job Ticket: 70006

**DST#: 1**

Test Start: 2022.11.25 @ 15:13:00

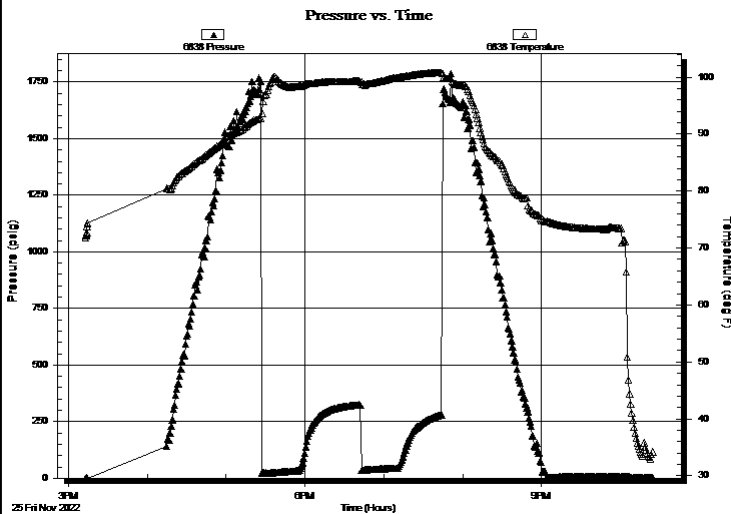
## GENERAL INFORMATION:

Formation: **LKC G**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 17:26:37  
 Tester: Spencer J Staab  
 Time Test Ended: 22:25:27  
 Unit No: 84  
**Interval: 3490.00 ft (KB) To 3510.00 ft (KB) (TVD)**  
 Reference Elevations: 2170.00 ft (KB)  
 Total Depth: 3510.00 ft (KB) (TVD)  
 2162.00 ft (CF)  
 Hole Diameter: 7.88 inches  
 Hole Condition: Fair  
 KB to GR/CF: 8.00 ft

**Serial #: 6838** Inside

Press@RunDepth: psig @ 3491.00 ft (KB) Capacity: psig  
 Start Date: 2022.11.25 End Date: 2022.11.25 Last Calib.: 2022.11.25  
 Start Time: 15:13:01 End Time: 22:25:27 Time On Btm:  
 Time Off Btm:

TEST COMMENT: 30-IF-Surface to 1.75"  
 45-ISI-No Return  
 30-FF-Surface to 1.25"  
 30-FSI-No Return



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	Heavy Mud 100%M	0.14
35.00	MW 30%M 70%W	0.50
10.00	Clean Oil 100%O	0.14
0.00	30 GIP 100%G	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Brungardt Oil and Leasing Inc

**18-12s-17w Ellis KS**

213 W 7th Street  
PO BOX 871  
Russell KS 67665+0871  
ATTN: Larry Nicholson

**Schmeidler Trust #1**

Job Ticket: 70006 **DST#: 1**

Test Start: 2022.11.25 @ 15:13:00

## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 58.00 sec/qt  
Water Loss: 5.40 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 3000.00 ppm  
Filter Cake: inches

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

Oil API: 27 deg API  
Water Salinity: 44000 ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Heavy Mud 100%M	0.142
35.00	MW 30%M 70%W	0.496
10.00	Clean Oil 100%O	0.142
0.00	30 GIP 100%G	0.000

Total Length: 55.00 ft Total Volume: 0.780 bbl

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

Laboratory Name: Laboratory Location:

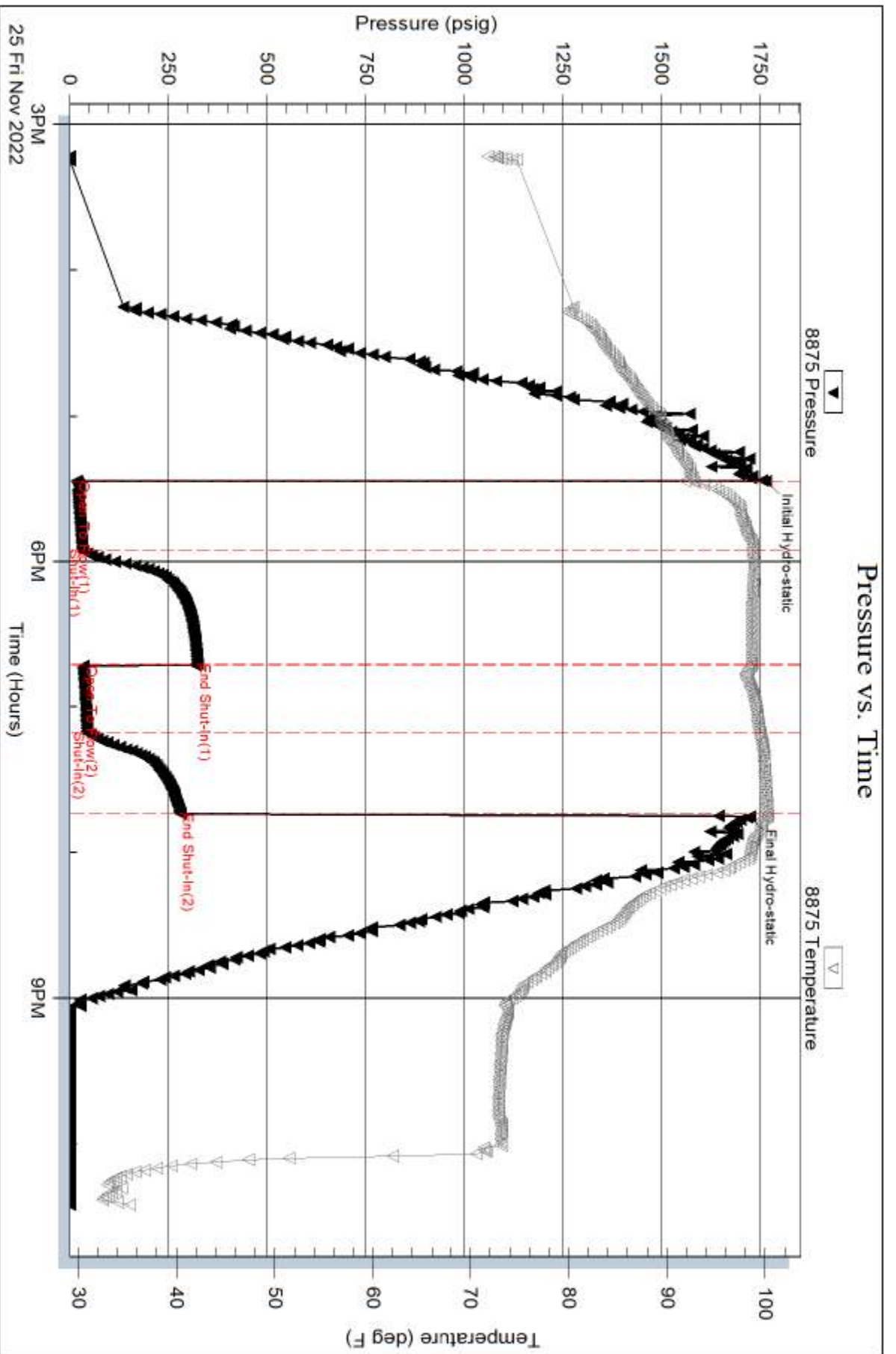
Recovery Comments: 2#LCM  
RW=.442@27F

Serial #: 8875

Outside Brungardt Oil and Leasing Inc

Schmedler Trust #1

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 70006

Printed: 2022.11.25 @ 22:35:49

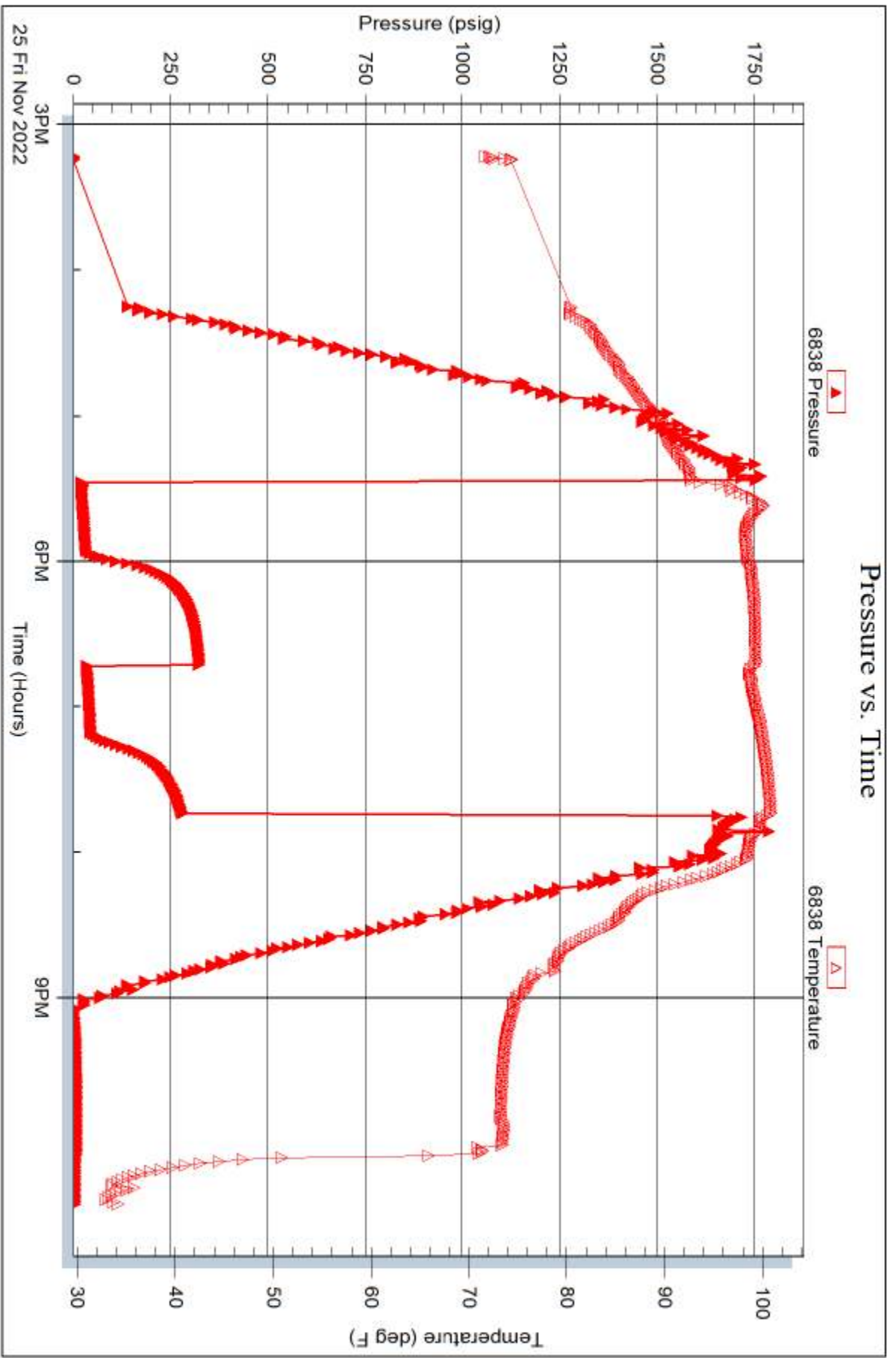
Serial #: 6838

Inside

Brungardt Oil and Leasing Inc

Schmedler Trust #1

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 70006

Printed: 2022.11.25 @ 22:35:50





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Brungardt Oil and Leasing Inc

**18-12s-17w Ellis KS**

213 W 7th Street  
PO BOX 871  
Russell KS 67665+0871  
ATTN: Larry Nicholson

**Schmeidler Trust #1**

Job Ticket: 70007

**DST#: 2**

Test Start: 2022.11.26 @ 12:31:00

## GENERAL INFORMATION:

Formation: **LKC I-J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:17:37

Time Test Ended: 17:33:37

**Interval: 3558.00 ft (KB) To 3605.00 ft (KB) (TVD)**

Total Depth: 3605.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)

Tester: Spencer J Staab

Unit No: 84

Reference Elevations: 2170.00 ft (KB)

2162.00 ft (CF)

KB to GR/CF: 8.00 ft

**Serial #: 8875**

**Inside**

Press@RunDepth: 25.22 psig @ 3561.00 ft (KB)

Start Date: 2022.11.26

End Date:

2022.11.26

Start Time: 12:31:01

End Time:

17:33:37

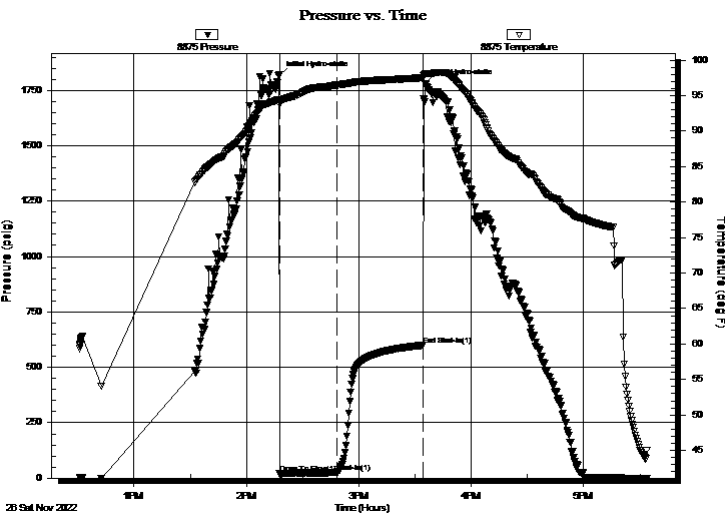
Capacity: psig

Last Calib.: 2022.11.26

Time On Btm: 2022.11.26 @ 14:17:32

Time Off Btm: 2022.11.26 @ 15:35:22

TEST COMMENT: 30-IF-Surface to 2"  
45-ISI-No Return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1817.84	94.42	Initial Hydro-static
1	19.50	93.74	Open To Flow (1)
31	25.22	96.49	Shut-In(1)
77	599.69	97.54	End Shut-In(1)
78	1781.31	98.02	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	WCM w/ oil spots 10%W 90%M	0.21

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Brungardt Oil and Leasing Inc

**18-12s-17w Ellis KS**

213 W 7th Street  
PO BOX 871  
Russell KS 67665+0871  
ATTN: Larry Nicholson

**Schmeidler Trust #1**

Job Ticket: 70007 **DST#: 2**

Test Start: 2022.11.26 @ 12:31:00

## GENERAL INFORMATION:

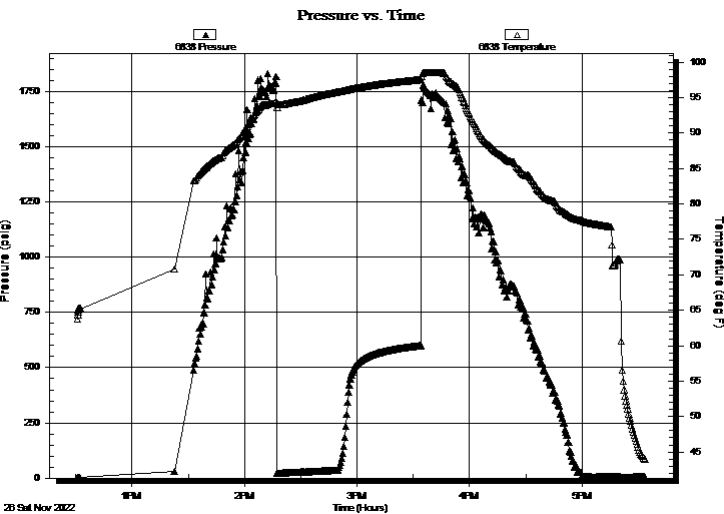
Formation: **LKC I-J**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 14:17:37  
 Time Test Ended: 17:33:37  
**Interval: 3558.00 ft (KB) To 3605.00 ft (KB) (TVD)**  
 Total Depth: 3605.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Spencer J Staab  
 Unit No: 84  
 Reference Elevations: 2170.00 ft (KB)  
 2162.00 ft (CF)  
 KB to GR/CF: 8.00 ft

**Serial #: 6838**

**Inside**

Press@RunDepth: psig @ 3561.00 ft (KB) Capacity: psig  
 Start Date: 2022.11.26 End Date: 2022.11.26 Last Calib.: 2022.11.26  
 Start Time: 12:31:01 End Time: 17:33:37 Time On Btm:  
 Time Off Btm:

TEST COMMENT: 30-IF-Surface to 2"  
45-ISI-No Return



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	WCM w/ oil spots 10%W 90%M	0.21

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Brungardt Oil and Leasing Inc

**18-12s-17w Ellis KS**

213 W 7th Street  
PO BOX 871  
Russell KS 67665+0871  
ATTN: Larry Nicholson

**Schmeidler Trust #1**

Job Ticket: 70007

**DST#: 2**

Test Start: 2022.11.26 @ 12:31:00

## Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 5.80 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 7600.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: 55000 ppm

deg API

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	WCM w / oil spots 10%W 90%M	0.213

Total Length: 15.00 ft      Total Volume: 0.213 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 1#LCM

RW= .198@50F

Serial #: 8875

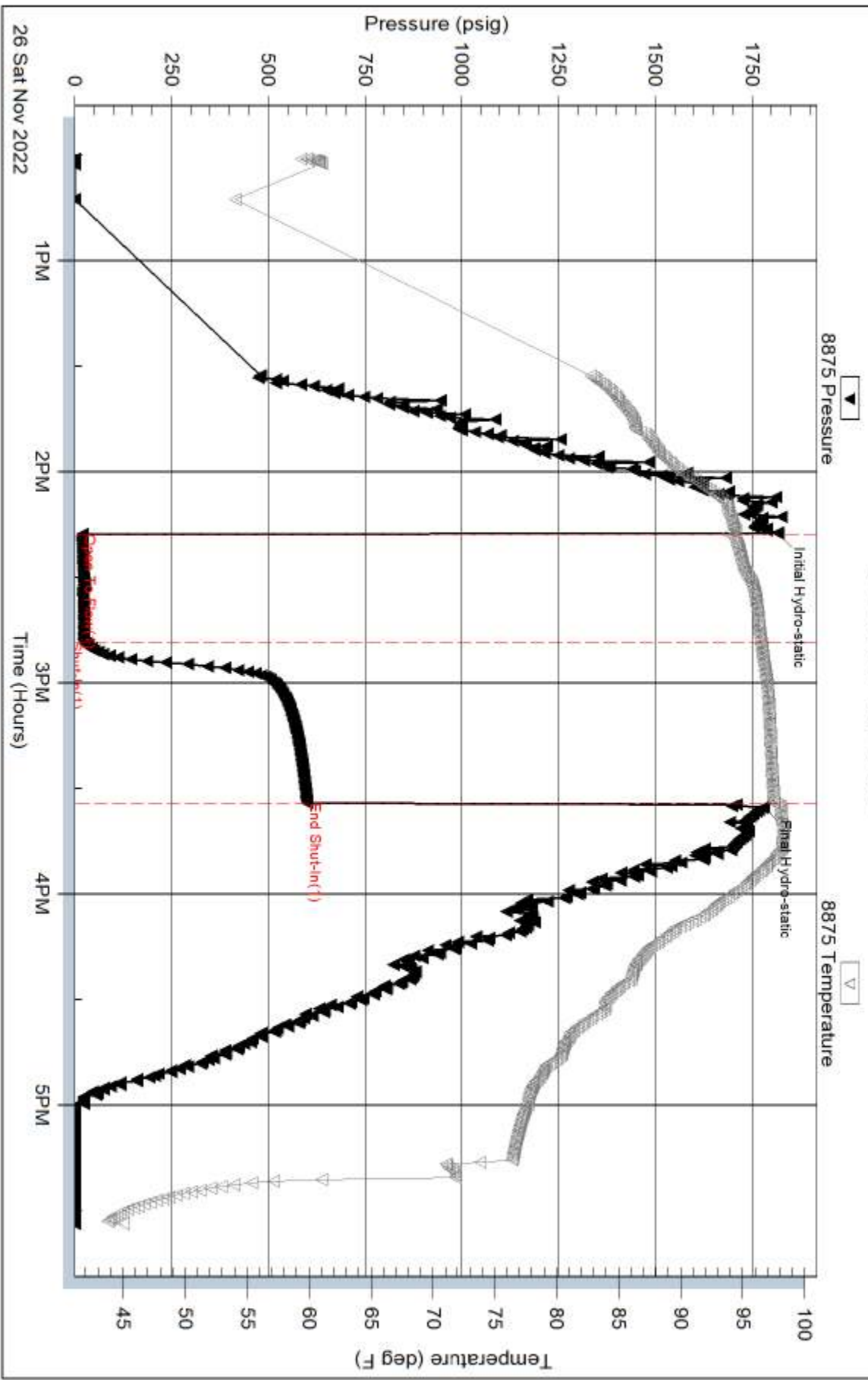
Inside

Brungardt Oil and Leasing Inc

Schmedler Trust #1

DST Test Number: 2

### Pressure vs. Time



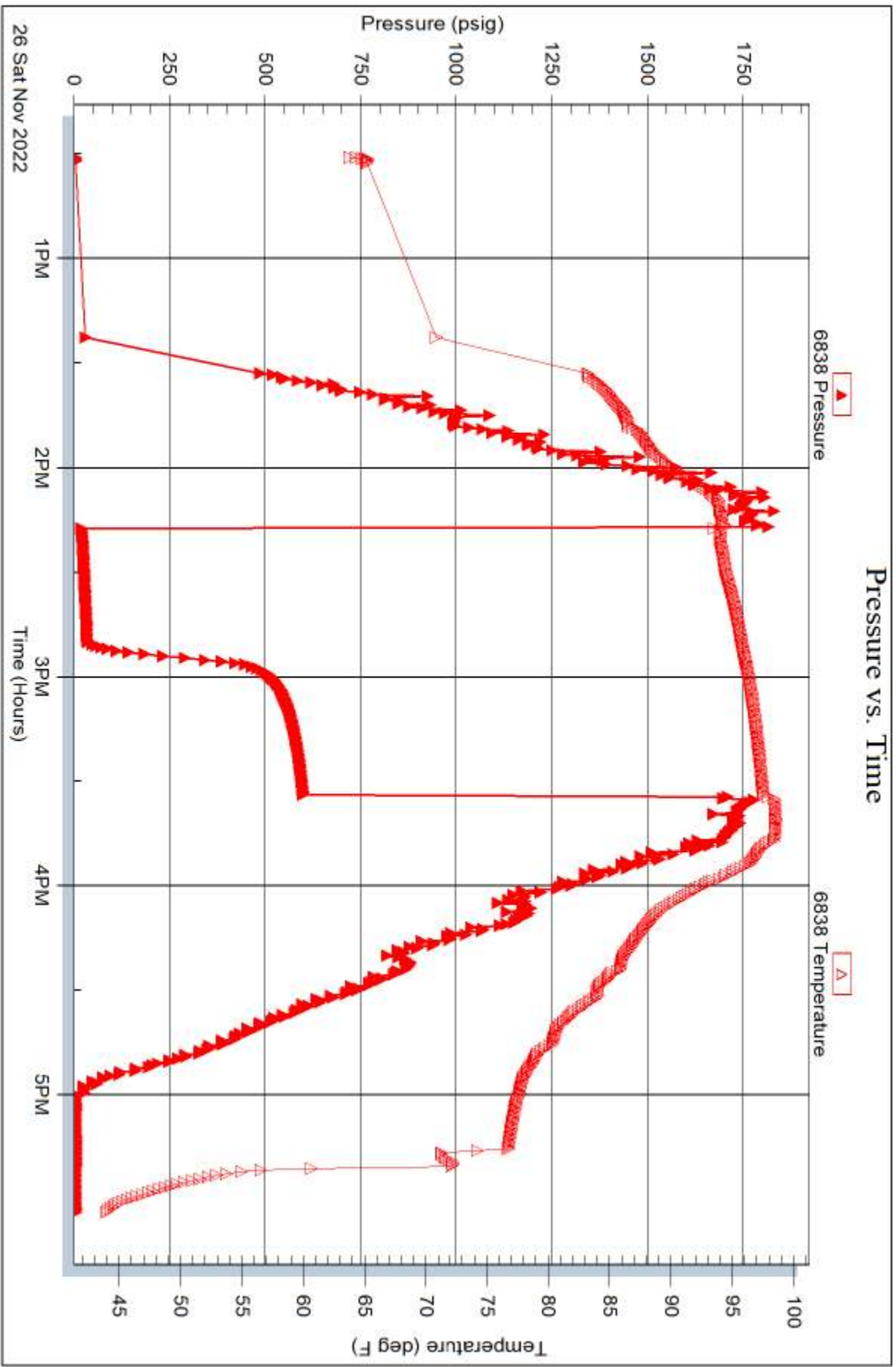
Serial #: 6838

Inside

Brungardt Oil and Leasing Inc

Schmedler Trust #1

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 70007

Printed: 2022.11.26 @ 18:09:30



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Brungardt Oil and Leasing Inc

**18-12s-17w Ellis KS**

213 W 7th Street  
PO BOX 871  
Russell KS 67665+0871  
ATTN: Larry Nicholson

**Schmeidler Trust #1**

Job Ticket: 69887

**DST#: 3**

Test Start: 2022.11.27 @ 05:22:00

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:58:15

Time Test Ended: 13:36:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Dustin Day

Unit No: 70

**Interval: 3648.00 ft (KB) To 3684.00 ft (KB) (TVD)**

Reference Elevations: 2170.00 ft (KB)

Total Depth: 3684.00 ft (KB) (TVD)

2162.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 6625 Inside**

Press@RunDepth: 734.51 psig @ 3649.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.11.27 End Date: 2022.11.27

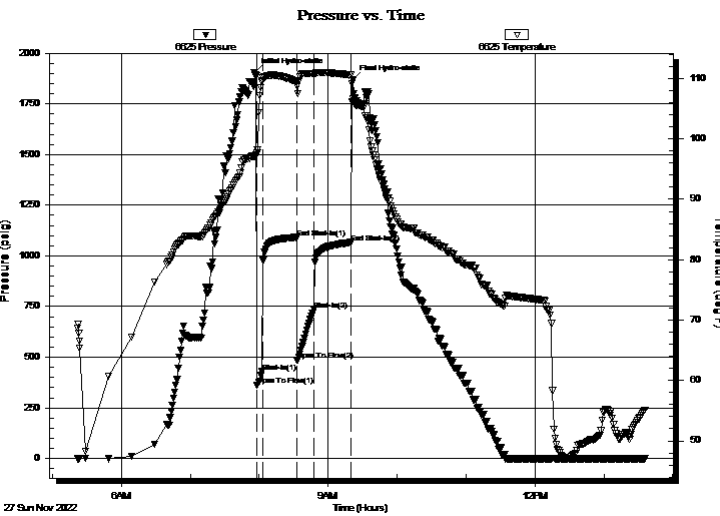
Last Calib.: 2022.11.27

Start Time: 05:22:05 End Time: 13:35:59

Time On Btm: 2022.11.27 @ 07:56:00

Time Off Btm: 2022.11.27 @ 09:21:30

**TEST COMMENT:** IF-5- BOB in 50 sec, built to 67 1/2"  
SI1-30- 1 3/4" return  
FF-15- BOB in 30 sec, Built to 213 3/4" GTS on bleed off  
SI2-30- 4" return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1904.69	97.14	Initial Hydro-static
3	361.87	97.62	Open To Flow (1)
7	426.72	109.65	Shut-In(1)
37	1090.59	109.46	End Shut-In(1)
37	486.01	108.76	Open To Flow (2)
52	734.51	110.77	Shut-In(2)
84	1064.80	110.53	End Shut-In(2)
86	1867.38	106.64	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1212.00	GMCO 15% gas 70% oil 15% mud	17.18
498.00	GO 25% gas 75% oil	7.06
10.00	GM 40% gas 60% mud	0.14
0.00	GTS	0.00

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Brungardt Oil and Leasing Inc

**18-12s-17w Ellis KS**

213 W 7th Street  
PO BOX 871  
Russell KS 67665+0871  
ATTN: Larry Nicholson

**Schmeidler Trust #1**

Job Ticket: 69887 **DST#: 3**

Test Start: 2022.11.27 @ 05:22:00

### GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:58:15

Time Test Ended: 13:36:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Dustin Day

Unit No: 70

Interval: **3648.00 ft (KB) To 3684.00 ft (KB) (TVD)**

Total Depth: 3684.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2170.00 ft (KB)

2162.00 ft (CF)

KB to GR/CF: 8.00 ft

**Serial #: 8167** Outside

Press@RunDepth: psig @ 3649.00 ft (KB)

Start Date: 2022.11.27

End Date: 2022.11.27

Start Time: 05:22:05

End Time: 13:35:59

Capacity: 8000.00 psig

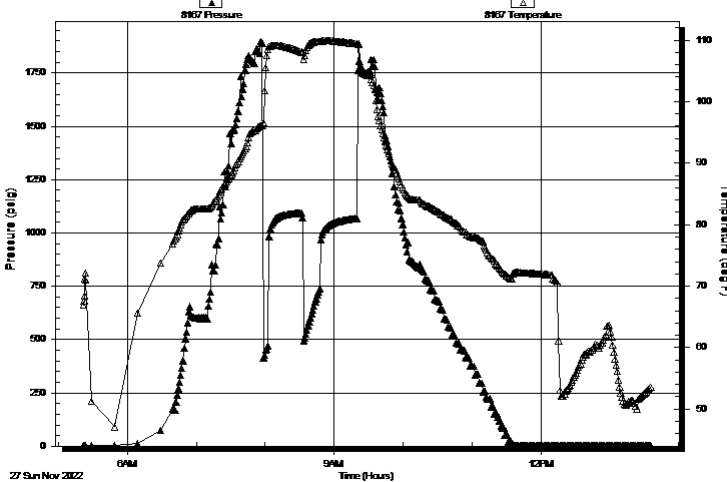
Last Calib.: 2022.11.27

Time On Btm:

Time Off Btm:

**TEST COMMENT:** IF-5- BOB in 50 sec, built to 67 1/2"  
SI1-30- 1 3/4" return  
FF-15- BOB in 30 sec, Built to 213 3/4" GTS on bleed off  
SI2-30- 4" return

**Pressure vs. Time**



### PRESSURE SUMMARY

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

### Recovery

Length (ft)	Description	Volume (bbl)
1212.00	GMCO 15% gas 70% oil 15% mud	17.18
498.00	GO 25% gas 75% oil	7.06
10.00	GM 40% gas 60% mud	0.14
0.00	GTS	0.00

\* Recovery from multiple tests

### Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Brungardt Oil and Leasing Inc

**18-12s-17w Ellis KS**

213 W 7th Street  
PO BOX 871  
Russell KS 67665+0871  
ATTN: Larry Nicholson

**Schmeidler Trust #1**

Job Ticket: 69887

**DST#: 3**

Test Start: 2022.11.27 @ 05:22:00

### Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 53.00 sec/qt  
Water Loss: 6.40 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 6800.00 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
1212.00	GMCO 15% gas 70% oil 15% mud	17.181
498.00	GO 25% gas 75% oil	7.059
10.00	GM 40% gas 60% mud	0.142
0.00	GTS	0.000

Total Length: 1720.00 ft      Total Volume: 24.382 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 1# LCM



Serial #: 6625

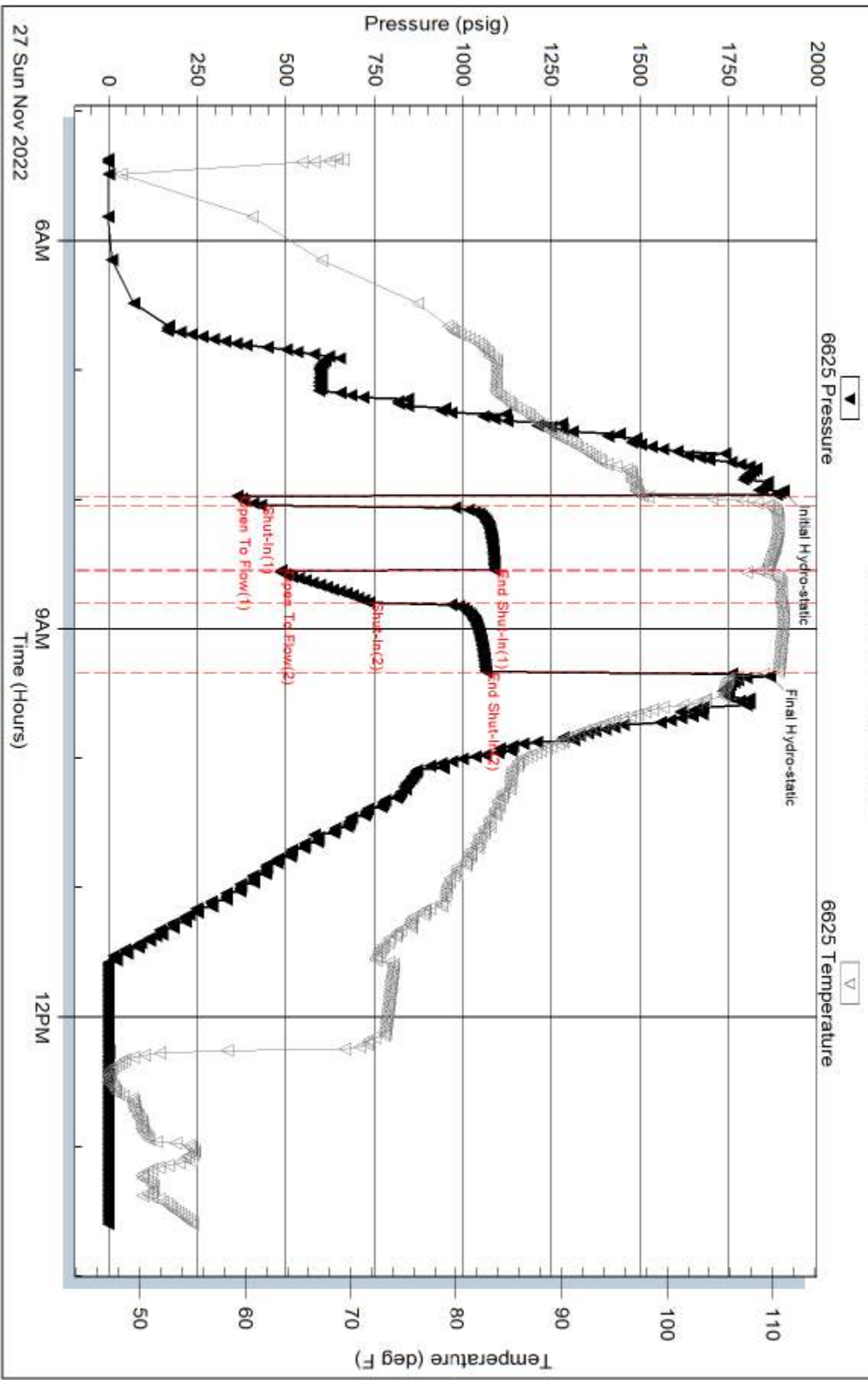
Inside

Brungardt Oil and Leasing Inc

Schmedler Trust #1

DST Test Number: 3

### Pressure vs. Time



Triobite Testing, Inc

Ref. No: 69887

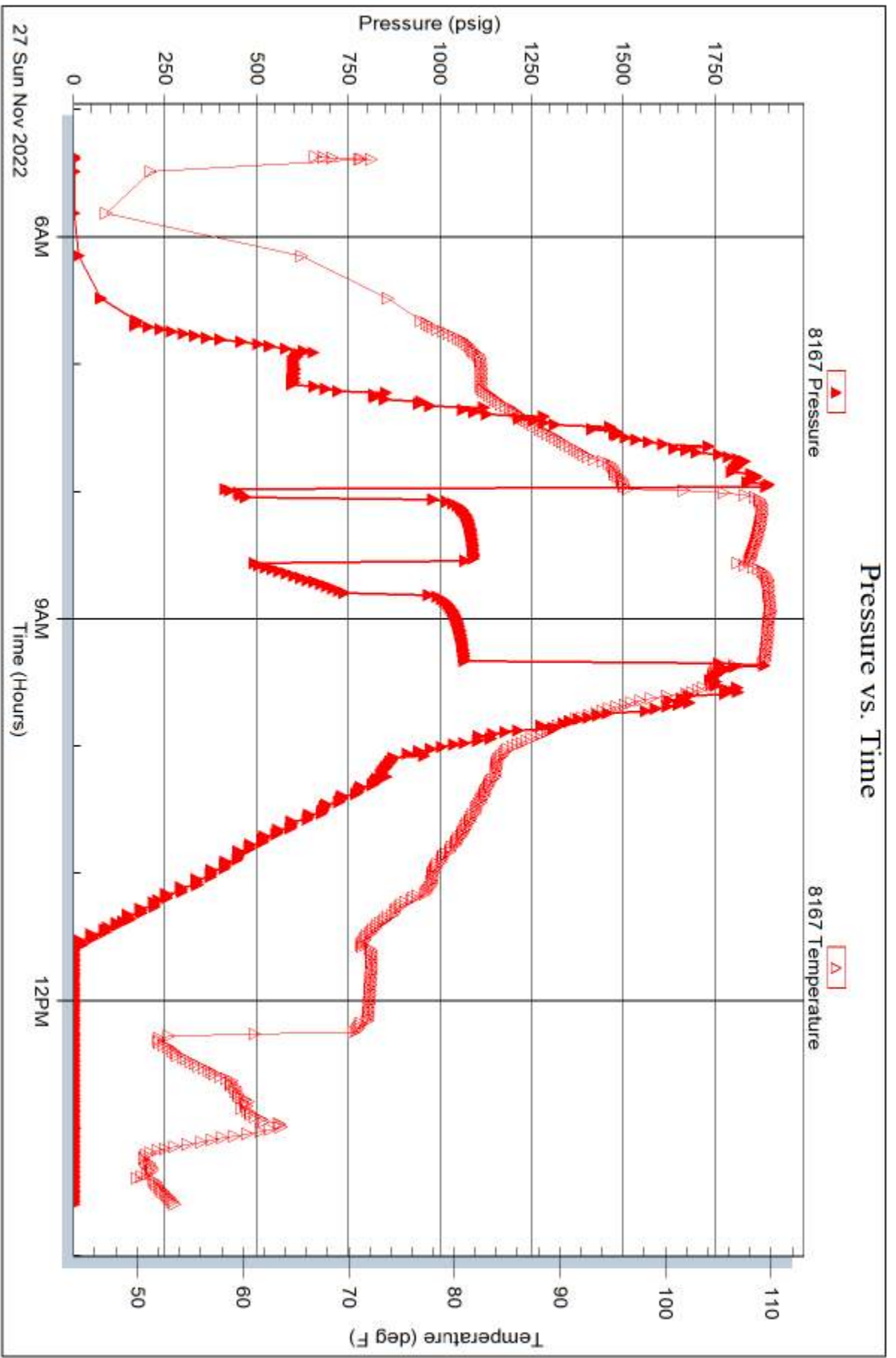
Printed: 2022.11.27 @ 14:54:59

Serial #: 8167

Outside Brungardt Oil and Leasing Inc

Schmedler Trust #1

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 69887

Printed: 2022.11.27 @ 14:54:59

# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 3377

Date	12-19-22	Sec.		Twp.		Range		County	Ellis	State	Ks	On Location		Finish	
Lease	Schneider's Trust							Location	Toulon Ave - N to Buckeye Rd						
Contractor	Western Well Service							Well No.	1	Owner	IN w/into				
Type Job	Port Collar							To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Hole Size								T.D.	Charge To Brungardt oil						
Csg.	5 1/2"							Depth	Street						
Tbg. Size	2 7/8"							Depth	City						
Tool	Port Collar							Depth	State						
Cement Left in Csg.								Shoe Joint	The above was done to satisfaction and supervision of owner agent or contractor.						
Meas Line	Displace 7 BLS							Cement Amount Ordered	300 80/20 QMDC 1/4 #.						
EQUIPMENT								Fls-seal	- 400 # gel						
Pumptrk	16	No.	Cementer Helper Jordan					Common	120 80/20 MMDL						
Bulktrk	13	No.	Driver Corey					Poz. Mix							
Bulktrk	P.H.	No.	Driver Rick					Gel.	4						
JOB SERVICES & REMARKS								Calcium							
Remarks:	test tool to 700# Held.							Hulls							
Rat Hole	Pump gel to tool + open							Sall							
Mouse Hole	port collar pump gel +							Flowseal	75#						
Centralizers	mix 120 5x Cement +							Kol-Seal							
Baskets	Displaced w/ 7 BLS 20. Closed							Mud CLR 48							
D/V or Port Collar	tool test to 700# Held.							CFL-117 or CD110 CAF 38							
Run 5 JTs + wash clean.								Sand							
Cement with 120 5x + 400# gel.								Handling	300						
Cement did Circulate								Mileage							
								FLOAT EQUIPMENT							
								Guide Shoe							
								Centralizer							
								Baskets							
								AFU Inserts							
								Float Shoe							
								Latch Down							
								Pumptrk Charge	part collar Job						
								Mileage	15						
Signature								Thanks							
								Tax							
								Discount							
								Total Charge							

# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 3296

Date	11-21-22	Sec.	18	Twp.	12	Range	17	County	Ellis	State	KS	On Location		Finish	3:30PM
Lease	SCHMEIDLER TRUST			Well No.	1		Location	Toulo @ A Buckeye rd 1/2 N							
Contractor	Discovery			Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.										
Type Job	SURFACE			Charge To	BRUN GARDT OIL & LEASING										
Hole Size	12 1/4			T.D.	222		Street								
Csg.	8 3/4			Depth											
Tbg. Size				Depth											
Tool				Depth											
Cement Left in Csg.	15			Shoe Joint	The above was done to satisfaction and supervision of owner agent or contractor.										
Meas Line				Displace	13		Cement Amount Ordered	150M 80/20 3-2							
<b>EQUIPMENT</b>															
Pumptrk	17	No.	Cementor	13 1/2		Common	120								
			Helper			Poz. Mix	30								
Bulktrk		No.	Driver	DICK		Gel.	3								
Bulktrk	20	No.	Driver	TIM		Calcium	6								
<b>JOB SERVICES &amp; REMARKS</b>															
Remarks:	Setc 221 Cemtr 150M pump plug w/ 13 bbls Cemtr DFD Circ														
Rat Hole	Hulls														
Mouse Hole	Salt														
Centralizers	Flowseal														
Baskets	Kol-Seal														
D/V or Port Collar	Mud CLR 48														
	CFL-117 or CD110 CAF 38														
	Sand														
	Handling 159														
	Mileage														
<b>FLOAT EQUIPMENT</b>															
	Guide Shoe														
	Centralizer														
	Baskets														
	AFU Inserts														
	Float Shoe														
	Latch Down														
	Pumptrk Charge Surface														
	Mileage 15														
Thanks															
Signature															
Tax															
Discount															
Total Charge															

# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. **3360**

Date	11-28-22	Sec.	18	Twp.	12	Range	17	County	Ellis	State	Ks	On Location	6:00 AM
------	----------	------	----	------	----	-------	----	--------	-------	-------	----	-------------	---------

Location **Toulon Rd + Buckeye Rd, 1N, W1E**

Lease	Schmeidler trust	Well No.	1	Owner	South to Rig
Contractor	Discovery			To Quality Oilwell Cementing, Inc.	
Type Job	Longot ring			You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.	
Hole Size	7 7/8"	T.D.	3684'	Charge To	Brungardt oil
Csg.	5 1/2" 14#	Depth	3681.82'	Street	
Tbg. Size	used + New	Depth		City	
Tool	Port Collar	Depth	#52 1,395'	State	
Cement Left in Csg.	46.06'	Shoe Joint	46.06'	The above was done to satisfaction and supervision of owner agent or contractor.	
Meas Line		Displace	88 3/4 BLS	Cement Amount Ordered	175 Com 10% Salt 5%

Common **175**  
Gilsonite - 500 gal mud clear

EQUIPMENT			
Pumptrk	No. 16	Cementer	David
		Helper	
Bulktrk	No. 14	Driver	Ross
		Driver	
Bulktrk	No. pm.	Driver	Rick
		Driver	

### JOB SERVICES & REMARKS

Remarks:	Salt 15
Rat Hole	30 5x
Mouse Hole	15 5x
Centralizers	1, 5, 10, 51
Baskets	11, 52
D/V or Port Collar	#52 1,395'

### FLOAT EQUIPMENT

Pipe on bottom break Circulation pump 500 gal mud clear plug Rat + mouseholes Cement 5 1/2" w/ 130 5x Cement. Shut down wash pump + lines. Displaced plug w/ 88 3/4 BLS H <sub>2</sub> O. Released + held.	Port Collar
Lift pressure	700 #
Land plug to	1500 #

Pumptrk Charge **prod string**  
Mileage **15**

*Thanks*

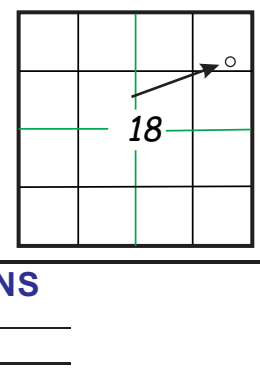
Signature	Tax
	Discount
	Total Charge

# GEOLOGICAL REPORT FINAL

## Larry A. Nicholson

NAD 27  
39 012734  
-99.243748

COMPANY Brungardt Oil and Leasing Inc.  
 API # 15-051-27066 FIELD Bemis-Shutts  
 LEASE Schmeidler Trust #1 SW SE NE NE WELL # #1  
 LOCATION 1234' FNL 616' FEL SW SE NE NE  
 SURVEY 1234' FNL 616' FEL  
 SECTION 18 TWP 12S RGE 17W  
 COUNTY Ellis STATE Kansas



CONTRACTOR Disc Drilling TP Schmidt Rig # 1  
 SPUD 11/21/2022 9:15AM COMP \_\_\_\_\_  
 RTD 3:58 1:54am 11/27/22 LTD 3:58 3:58  
 MUD UP AT 2815  
 MUD TYPE MudCo Gary S

**ELEVATIONS**  
 K.B. 2170  
 D.F. \_\_\_\_\_  
 G.L. 2162  
 All measurements from K.B. 2170

SAMPLES SAVED FROM 2900 TO RTD  
 DRILLING TIME FROM 2900 TO RTD Conductor \_\_\_\_\_ of \_\_\_\_\_ w/ \_\_\_\_\_ sx  
 SAMPLES EXAMINED FROM 2900 TO RTD Surface 221 of 8 5/8 23# w/ 150 sx  
 GEOLOGICAL SUPERVISION FROM 2900 TO RTD Production \_\_\_\_\_ of \_\_\_\_\_ w/ \_\_\_\_\_ sx  
 WELLSITE GEOLOGIST LARRY A. NICHOLSON

**ELECTRICAL SURVEYS** DUAL, NEUT/DEN, MICRO, BTM Gamma & Micro

**FORMATION TOPS & STRUCTURAL POSITION**

FORMATION	SAMPLE TOPS	SUBSEA DATUM	ELEC LOG TOPS	SUBSEA DATUM	REFERENCE WELL
Anhydrite			1384	+786	
B/Anhydrite			1426	+744	
Topeka			3137	-967	
Heebner Sh			3370	-1200	
Toronto			3389	-1219	
LANS G			3415	-1245	
BKC			3637	-1467	
Arbuckle			3678	-1508	
RTD			3684	-1514	
LTD			3683	-1513	

REFERENCE WELLS  
 A: \_\_\_\_\_  
 B: \_\_\_\_\_

LAN 7/92, Modified 5/05, 11/11, 4/12, 4/18 8.5 x 9.7.5 mem TL 5/05/21 last well

**DRILLSTEM TEST SUMMARY :**

Det #1 3490-3510 (LKC G) 30 45 30 45 IF-17-30 FF-34-44 SI-323-280  
 Rec Total Fluid 55' 10" CO (1000) 35 MW (70w 30M) 10' HvyM (100M)  
 IF 1 3/4", nr FF 1 1/4", nr BHT 100, Grav 27, RW 442 @ 27.44,000

Det #2 3558-3605 (LKC I-J) 30 45 -- IF-19-25 FF -- SI-599 --  
 Rec 15 MCW IF surf blow, nr FF no  
 BHT 97F RW .198 @ 50F CL 55,000 ppm

Det #3 3648-3684 (Arbuckle) 5 30 15 30 IF-362-427 FF-486-735 SI-1091-1065  
 Rec Total 1720 GTS, 1212 GMCO (150 750) 15M4) 488' CO (250 750)  
 10 GM (40G 60M) IF BOB 50 sec built to 67 1/2, ret 1 3/4' FF BOB 30 sec - 213',  
 ret 4' BHT 110F, Grav 26

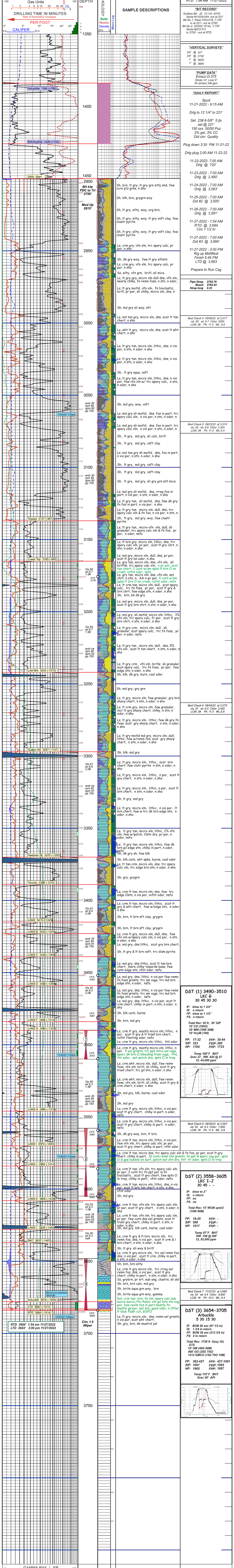
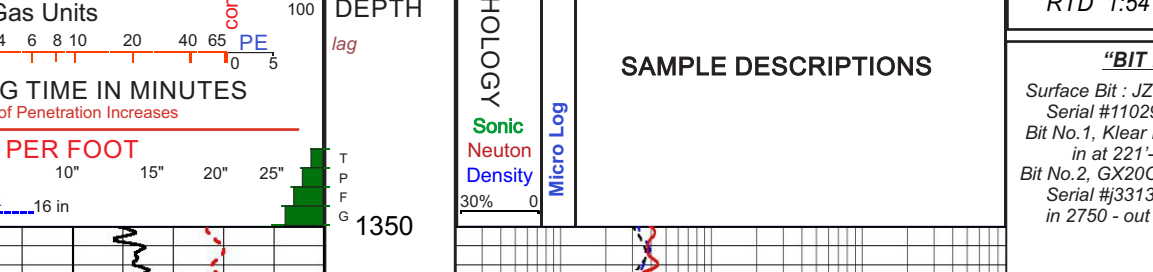
**REMARKS & RECOMMENDATIONS:**

Based on Sample Shows and Dst Results  
5 1/2 casing was run.  
Arbuckle open 3678 to 3683 (5')

Sincerely Submitted  
Larry Nicholson Geologist

*The Memory of Geologist Tom Leaver*

### LEGEND



COMPANY Brungardt Oil and Leasing Inc. **ELEVATIONS** K.B. 2170  
 LEASE Schmeidler Trust #1 SW SE NE NE D.F. \_\_\_\_\_  
 LOCATION 1234' FNL 616' FEL SEC. 18 TWP 12S RGE 17W G.L. 2162  
 COUNTY Ellis STATE Ks All measurements from K.B. 2170