

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 Recompletion Date _____ 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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Roger L. Fisher
 CONSULTING GEOLOGIST
 Phone: 816-214-2043

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

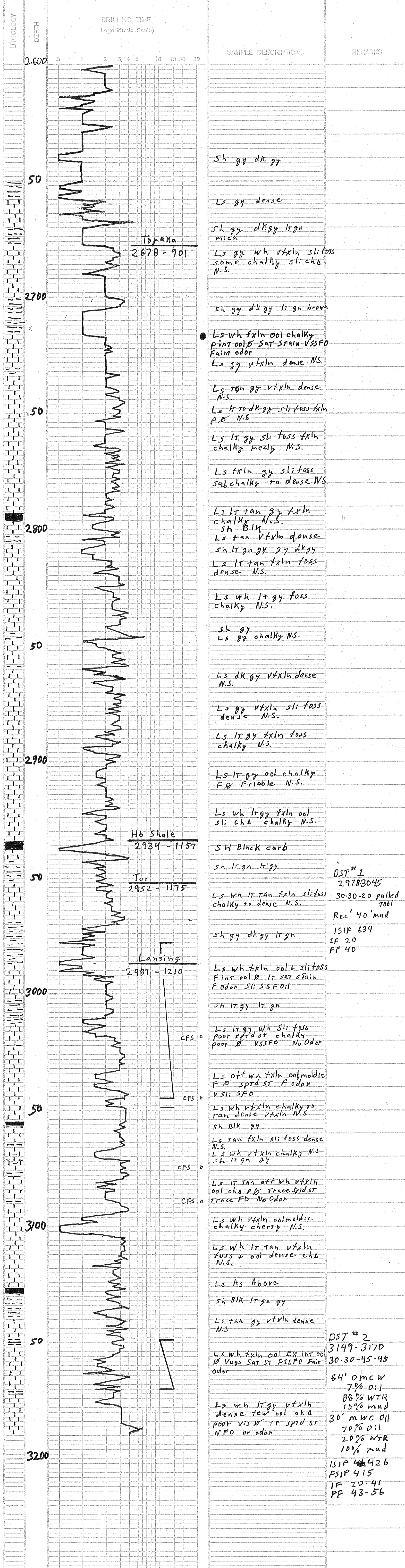
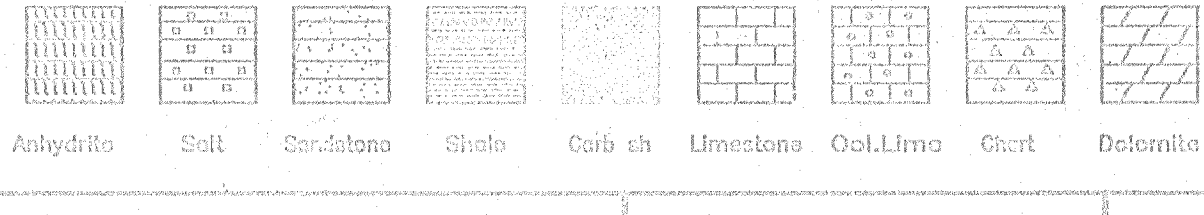
COMPANY **Brunyard Oil Leasing** ELEVATIONS
 LEASE **Stielow #1** KB 1777
 FIELD **NE-SW-SW-NW/4** DF 1769
 LOCATION **28 T15S R06E 14W** CL 1769
 SEC **28** T15S R06E 14W Measurements are All
 COUNTY **Russell State KS** From **KB**
 CONTRACTOR **Discover Rig #2** CUSING 858"
 SPLIT **3-26-22** SIZE 230"
 RTD 3190 LTH
 MOD UP 2650 TYPE MUD **Chem** ELECTRICAL SURVEYS
 None

SAVES SAVED FROM 2650 TO RTD
 DRILLING TIME KEPT FROM 2600 TO RTD
 SAMPLES EXAMINED FROM 2650 TO RTD
 GEOLOGICAL SUPERVISION FROM 2600 TO RTD
 GEOLOGIST ON WELL **Roger L Fisher**

FORMATION TOPS LOG SAMPLES
 Anhydrite 859 - 918
 Topoka 2678 - 901
 Hb Shale 2934 - 1157
 Lansing 2987 - 1210
 RTD 3190 - 4113

REMARKS **Well was Plugged. Low structure and Negative DST's**
Ry & FWL

LEGEND



LOG 7702

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. 2482

Date	4/1/22	Sec.	28	Twp.	11	Range	14	County	Russell	State	Kansas	On Location		Finish	9:45 am
Lease								Location				Well No.			
Stielow								Russell N to Amberst Rd 1w 1/2 S w 25 into				1			
Contractor								Owner							
Discovery Drilling Rig 2								To Quality Oilwell Cementing, Inc.							
Type Job								You are hereby requested to rent cementing equipment and furnish							
Plug								cement and helper to assist owner or contractor to do work as listed.							
Hole Size				T.D.				Charge To							
7 7/8				3190				Baingardt Oil							
Csg.				Depth				Street							
Tbg. Size				Depth				City				State			
Tool				Depth				The above was done to satisfaction and supervision of owner agent or contractor.							
Cement Left in Csg.				Shoe Joint				Cement Amount Ordered							
								180 ⁶⁰ / ₄₀ 4% gel 1/4 # Flo							
Meas Line								Displace							
EQUIPMENT								Common							
Pumptrk				No.				Cementer				108			
18								Helper				Dave			
Bulktrk				No.				Driver				72			
1								Driver				Doug			
Bulktrk				No.				Driver				6			
14								Driver				David			
JOB SERVICES & REMARKS								Calcium							
Remarks:								Hulls							
Rat Hole								Salt							
Mouse Hole								Flowseal 50#							
Centralizers								Kol-Seal							
Baskets								Mud CLR 48							
DV or Port Collar								CFL-117 or CD110 CAF 38							
875' 50 sks								Sand							
425' 80 sks								Handling 186							
40' 10 sks								Mileage							
Rat hole 25 25 sks								FLOAT EQUIPMENT							
Mouse hole 15 sks								Guide Shoe							
								Centralizer							
								Baskets							
								AFU Inserts							
								Float Shoe							
								Latch Down							
								Pumptrk Charge							
								15 Plug							
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. 2988

Date	3-26-22	Sec.	28	Twp.	11	Range	14	County	Russell	State	Ks	On Location	Finish	9:30PM	
Lease	Stielow							Location	Amherst Rd + 281 Hwy - 1W						
Contractor	Discovery #2							Well No.	#1						
Type Job	Surface							Owner	V85 w/s Follow trail						
Hole Size	12 1/4"							T.D.	222'						
Csg.	8 5/8"							Depth							
Tbg. Size								Depth							
Tool								Depth							
Cement Left in Csg.	15'							Shoe Joint	15'						
Meas Line								Displace	13						
The above was done to satisfaction and supervision of owner agent or contractor.															
Cement Amount Ordered 150 80/20 3% CC 2% Gel															

EQUIPMENT

Pumptrk	17	No.	Cementer	Jordan	Common	120
Bulktrk	14	No.	Helper	Nick	Poz. Mix	30
Bulktrk	pin.	No.	Driver	Rick	Gel.	3
			Driver		Calcium	6

JOB SERVICES & REMARKS

Remarks:	Cement did Circulate.					
Rat Hole	In cellar					
Mouse Hole						
Centralizers						
Baskets						
D/V or Port Collar						
	Hulls					
	Salt					
	Flowseal					
	Kol-Seal					
	Mud CLR 48					
	CFL-117 or CD110 CAF 38					
	Sand					
	Handling 159					
	Mileage					

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	

Pumptrk Charge Surface
Mileage 15

Thanks

X Signature

Tax	
Discount	
Total Charge	



DRILL STEM TEST REPORT

Prepared For: **Brungardt Oil & Leasing**

PO Box 871
Russell, KS 67665

ATTN: Rodger Fisher

Stielow #1

28-11s-14w Russell, KS

Start Date: 2022.03.30 @ 15:36:00

End Date: 2022.03.30 @ 21:41:00

Job Ticket #: 68155 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2022.04.01 @ 17:18:55



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Brungardt Oil & Leasing

28-11s-14w Russell, KS

PO Box 871
Russell, KS 67665

Stielow #1

Job Ticket: 68155

DST#: 1

ATTN: Rodger Fisher

Test Start: 2022.03.30 @ 15:36:00

GENERAL INFORMATION:

Formation: **LKC A - B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:06:30

Time Test Ended: 21:41:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Day

Unit No: 66

Interval: 2978.00 ft (KB) To 3045.00 ft (KB) (TVD)

Reference Elevations: 1775.00 ft (KB)

Total Depth: 3045.00 ft (KB) (TVD)

1767.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8652 Outside

Press@RunDepth: 39.52 psig @ 2979.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.03.30

End Date: 2022.03.30

Last Calib.: 2022.03.30

Start Time: 15:36:05

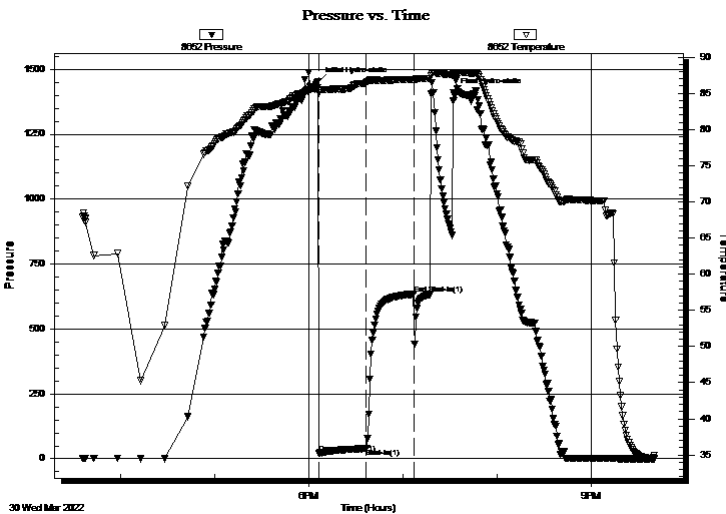
End Time: 21:40:59

Time On Btm: 2022.03.30 @ 18:06:15

Time Off Btm: 2022.03.30 @ 19:32:30

TEST COMMENT: IF-30- Built to 2"
SI1-30- No blow
FF-30- No blow , Flushed tool, No blow
Pulled tool, Plugged

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1452.88	85.79	Initial Hydro-static
1	20.07	85.04	Open To Flow (1)
31	39.52	86.44	Shut-In(1)
61	634.33	86.92	End Shut-In(1)
87	1411.27	87.79	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	Mud 100%	0.29

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Brungardt Oil & Leasing

28-11s-14w Russell, KS

PO Box 871
Russell, KS 67665

Stielow #1

Job Ticket: 68155

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Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Day

Unit No: 66

Interval: 2978.00 ft (KB) To 3045.00 ft (KB) (TVD)

Reference Elevations: 1775.00 ft (KB)

Total Depth: 3045.00 ft (KB) (TVD)

1767.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 6625 Inside

Press@RunDepth: psig @ 2979.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.03.30

End Date: 2022.03.30

Last Calib.: 2022.03.30

Start Time: 15:36:05

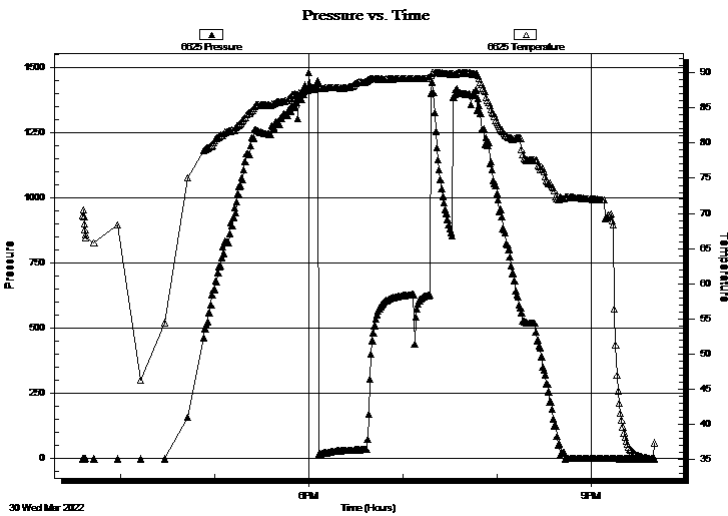
End Time: 21:40:59

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-30- Built to 2"
SI1-30- No blow
FF-30- No blow , Flushed tool, No blow
Pulled tool, Plugged

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
40.00	Mud 100%	0.29

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Brungardt Oil & Leasing

28-11s-14w Russell, KS

PO Box 871
Russell, KS 67665

Stielow #1

Job Ticket: 68155

DST#: 1

ATTN: Rodger Fisher

Test Start: 2022.03.30 @ 15:36:00

Tool Information

Drill Pipe:	Length: 2936.00 ft	Diameter: 3.80 inches	Volume: 41.18 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 48000.00 lb
			<u>Total Volume: 41.33 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	2978.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	67.00 ft			
Tool Length:	93.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			2953.00	
shut In Tool	5.00			2958.00	
hydraulic tool	5.00			2963.00	
EM tool	3.00			2966.00	
Safety Joint	3.00			2969.00	
Packer	5.00			2974.00	26.00 Bottom Of Top Packer
Packer	4.00			2978.00	
Stubb	1.00			2979.00	
Recorder	0.00	6625	Inside	2979.00	
Recorder	0.00	8652	Outside	2979.00	
Perforations	26.00			3005.00	
change Over Sub	1.00			3006.00	
Drill Pipe	32.00			3038.00	
change Over Sub	1.00			3039.00	
Perforations	3.00			3042.00	
Bullnose	3.00			3045.00	67.00 Bottom Packers & Anchor
Total Tool Length:	93.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Brungardt Oil & Leasing

28-11s-14w Russell, KS

PO Box 871
Russell, KS 67665

Stielow #1

Job Ticket: 68155

DST#: 1

ATTN: Rodger Fisher

Test Start: 2022.03.30 @ 15:36:00

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: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	Mud 100%	0.288

Total Length: 40.00 ft Total Volume: 0.288 bbl

Num Fluid Samples: 0

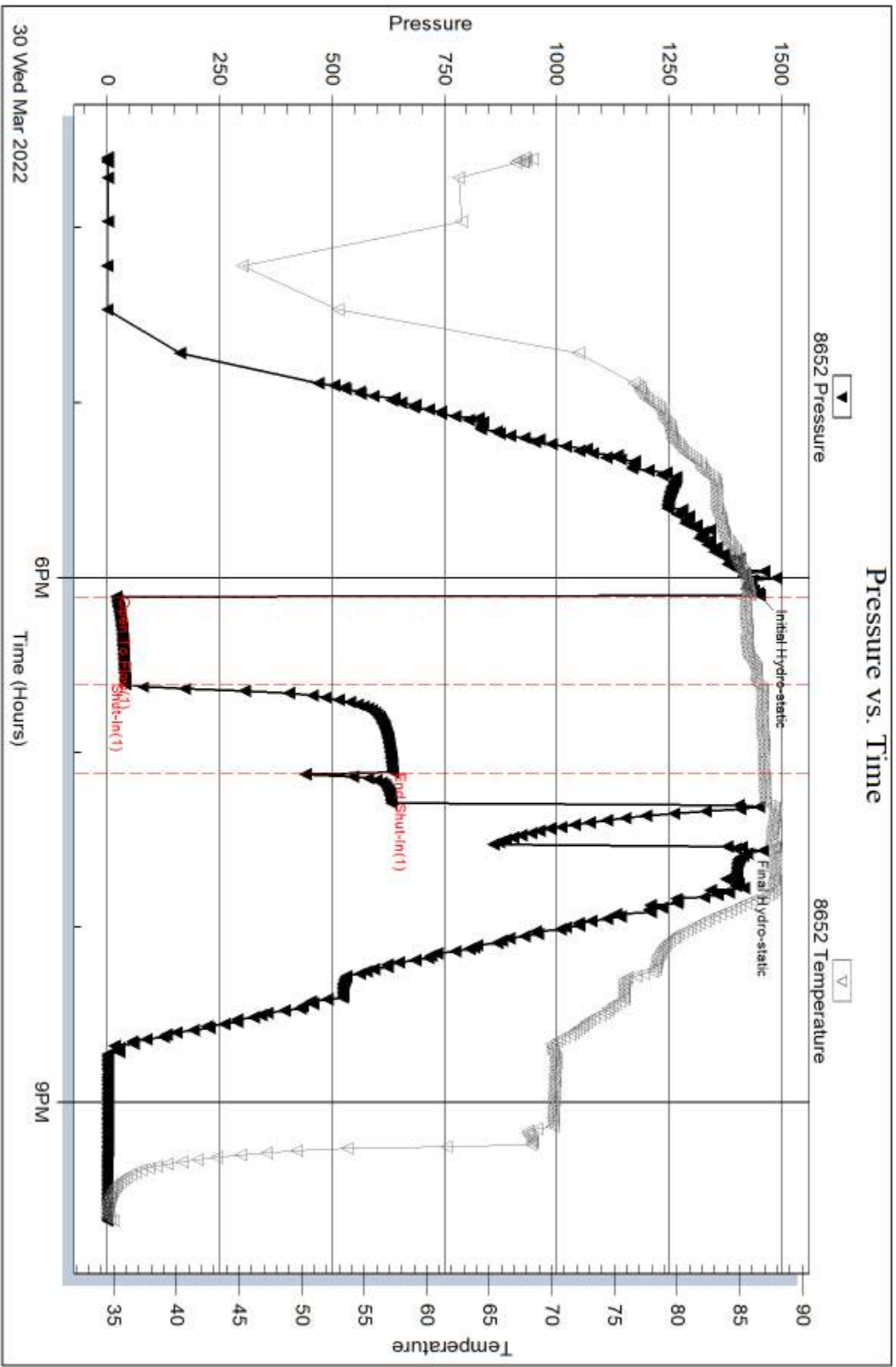
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 1# LCM



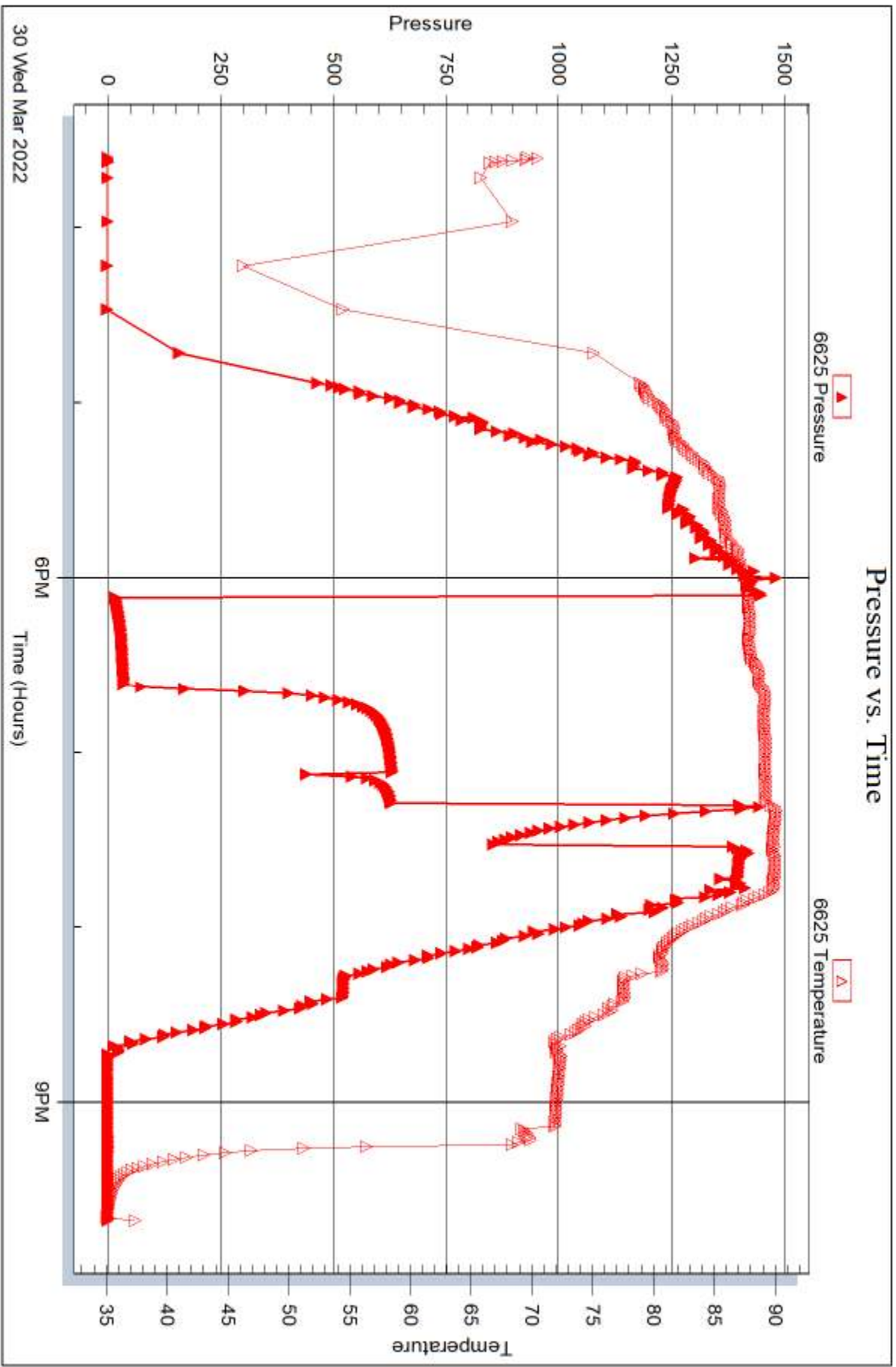
Serial #: 6625

Inside

Brungardt Oil & Leasing

Stelrow #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 68155

Printed: 2022.04.01 @ 17:18:56



DRILL STEM TEST REPORT

Prepared For: **Brungardt Oil & Leasing**

PO Box 871
Russell, KS 67665

ATTN: Rodger Fisher

Stielow #1

28-11s-14w Russell, KS

Start Date: 2022.03.31 @ 01:28:00

End Date: 2022.03.31 @ 07:47:15

Job Ticket #: 68156 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2022.04.01 @ 17:18:25



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Brungardt Oil & Leasing

28-11s-14w Russell, KS

PO Box 871
Russell, KS 67665

Stielow #1

Job Ticket: 68156

DST#: 2

ATTN: Rodger Fisher

Test Start: 2022.03.31 @ 01:28:00

GENERAL INFORMATION:

Formation: **LKC I**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:02:15

Time Test Ended: 07:47:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Dustin Day

Unit No: 66

Interval: 3149.00 ft (KB) To 3170.00 ft (KB) (TVD)

Reference Elevations: 1775.00 ft (KB)

Total Depth: 3170.00 ft (KB) (TVD)

1767.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8652 Outside

Press@RunDepth: 55.72 psig @ 3150.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.03.31

End Date:

2022.03.31

Last Calib.: 2022.03.31

Start Time: 01:28:05

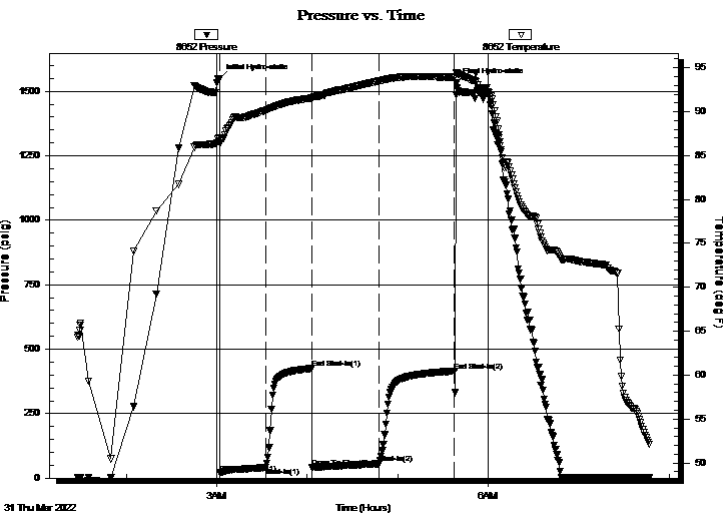
End Time:

07:47:14

Time On Btm: 2022.03.31 @ 03:02:00

Time Off Btm: 2022.03.31 @ 05:38:45

TEST COMMENT: IF-30- Built to 4"
SI1-30- No return
FF-45- Built to 2 1/2"
SI2-45- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1550.60	87.11	Initial Hydro-static
1	19.82	86.42	Open To Flow (1)
31	40.68	90.14	Shut-In(1)
61	425.63	91.53	End Shut-In(1)
62	42.59	91.36	Open To Flow (2)
106	55.72	93.48	Shut-In(2)
156	415.41	93.92	End Shut-In(2)
157	1532.23	94.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
64.00	OMCW 2% oil 88% water 10% mud	0.62
30.00	MWCO 70% oil 20% water 10% mud	0.42

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Brungardt Oil & Leasing

28-11s-14w Russell, KS

PO Box 871
Russell, KS 67665

Stielow #1

Job Ticket: 68156

DST#: 2

ATTN: Rodger Fisher

Test Start: 2022.03.31 @ 01:28:00

GENERAL INFORMATION:

Formation: **LKC I**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:02:15

Time Test Ended: 07:47:15

Interval: 3149.00 ft (KB) To 3170.00 ft (KB) (TVD)

Total Depth: 3170.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Reset)

Tester: Dustin Day

Unit No: 66

Reference Elevations: 1775.00 ft (KB)

1767.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6625 Inside

Press@RunDepth: psig @ 3150.00 ft (KB)

Start Date: 2022.03.31

End Date: 2022.03.31

Capacity: 8000.00 psig

Last Calib.: 2022.03.31

Start Time: 01:28:05

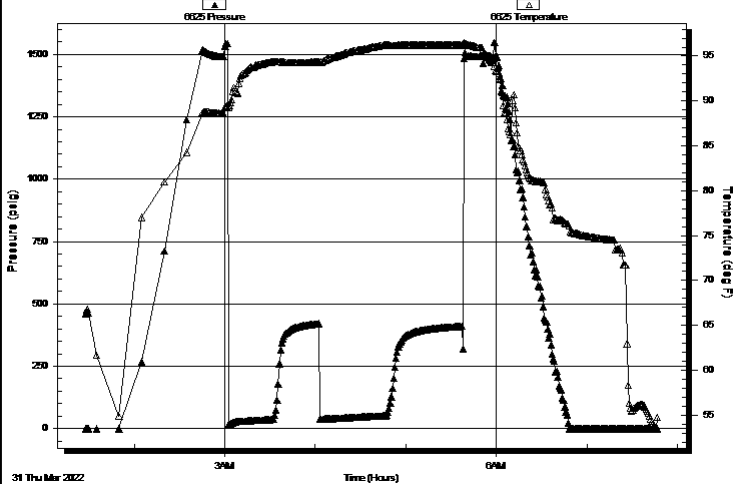
End Time: 07:47:14

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-30- Built to 4"
SI1-30- No return
FF-45- Built to 2 1/2"
SI2-45- No return

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
64.00	OMCW 2% oil 88% water 10% mud	0.62
30.00	MWCO 70% oil 20% water 10% mud	0.42

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Brungardt Oil & Leasing

28-11s-14w Russell, KS

PO Box 871
Russell, KS 67665

Stielow #1

Job Ticket: 68156

DST#: 2

ATTN: Rodger Fisher

Test Start: 2022.03.31 @ 01:28:00

Tool Information

Drill Pipe:	Length: 3126.00 ft	Diameter: 3.80 inches	Volume: 43.85 bbl	Tool Weight:	2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer:	24000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	50000.00 lb
			<u>Total Volume: 44.00 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial	41000.00 lb
Depth to Top Packer:	3149.00 ft			Final	41000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	21.00 ft				
Tool Length:	47.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3124.00	
shut In Tool	5.00			3129.00	
hydraulic tool	5.00			3134.00	
EM tool	3.00			3137.00	
Safety Joint	3.00			3140.00	
Packer	5.00			3145.00	26.00 Bottom Of Top Packer
Packer	4.00			3149.00	
Stubb	1.00			3150.00	
Recorder	0.00	6625	Inside	3150.00	
Recorder	0.00	8652	Outside	3150.00	
perforations	17.00			3167.00	
Bullnose	3.00			3170.00	21.00 Bottom Packers & Anchor

Total Tool Length: 47.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Brungardt Oil & Leasing

28-11s-14w Russell, KS

PO Box 871
Russell, KS 67665

Stielow #1

Job Ticket: 68156

DST#: 2

ATTN: Rodger Fisher

Test Start: 2022.03.31 @ 01:28:00

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: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
64.00	OMCW 2% oil 88% water 10% mud	0.624
30.00	MWCO 70% oil 20% water 10% mud	0.421

Total Length: 94.00 ft

Total Volume: 1.045 bbl

Num Fluid Samples: 0

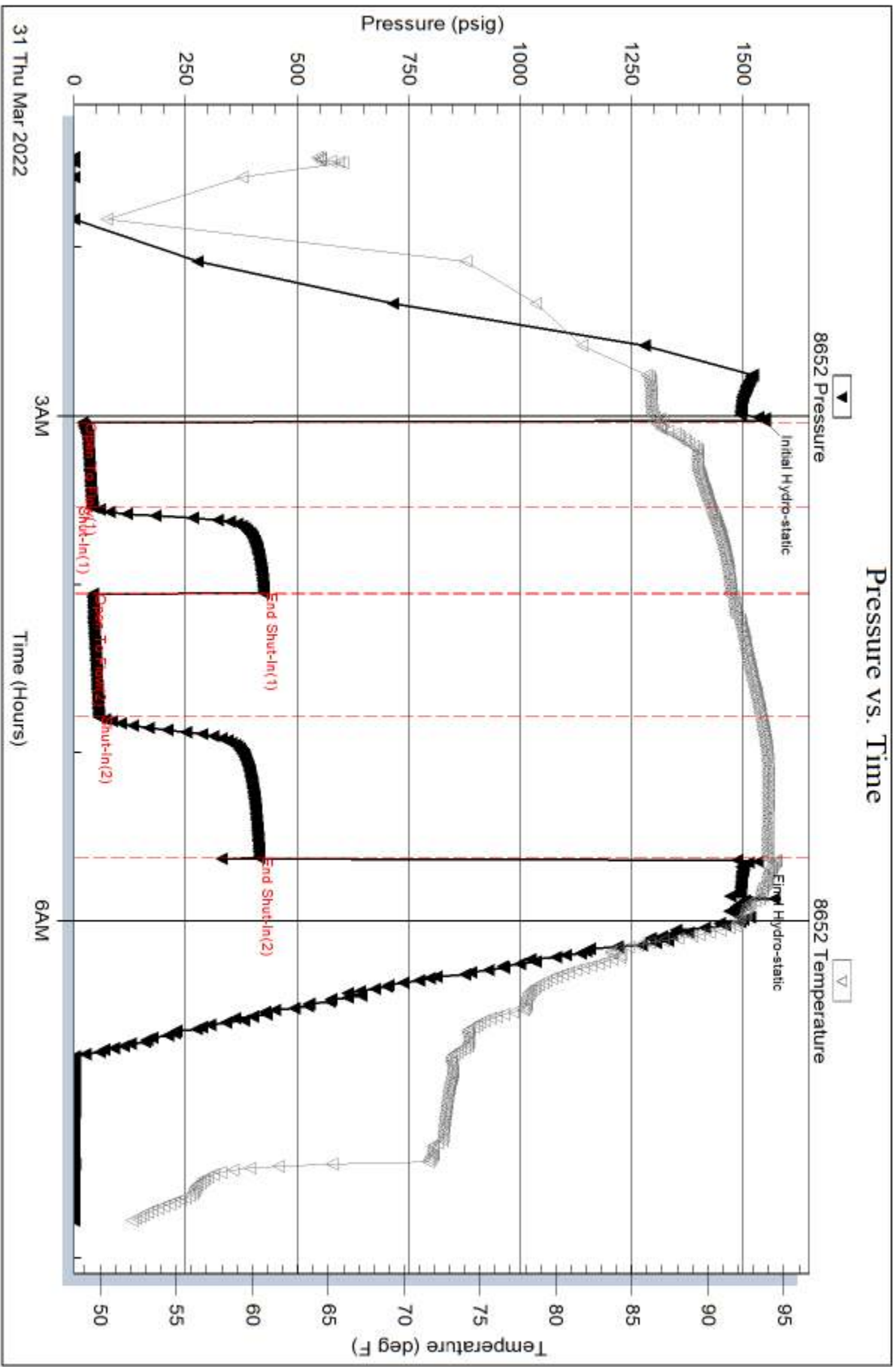
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 1# LCM



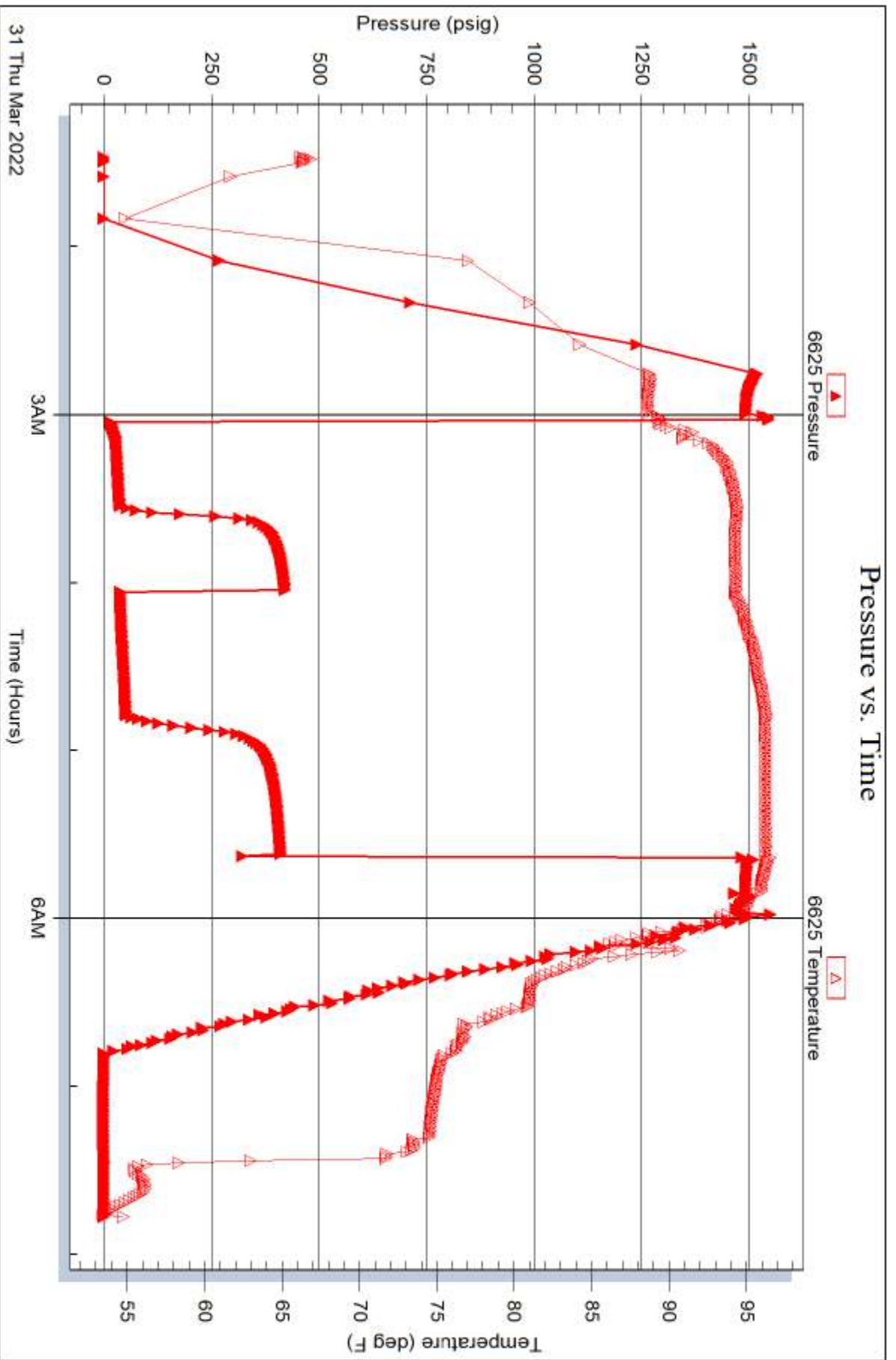
Serial #: 6625

Inside

Brungardt Oil & Leasing

Stelrow #1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 68156

Printed: 2022.04.01 @ 17:18:26



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 68155

Well Name & No. Stielow #1 Test No. 1 Date 3/30/22
 Company Brungardt Oil and Leasing Elevation 1775 KB 1767 GL
 Address 213 W 7th Street PO Box 871 Russell, KS 67665
 Co. Rep / Geo. Rodger Fisher Rig Discovery Rig #2
 Location: Sec. 28 Twp 11 Rge. 14 Co. Russell State KS

Interval Tested 2978-3045 Zone Tested LKS A+B
 Anchor Length 67 Drill Pipe Run 2936 Mud Wt. 8.9
 Top Packer Depth 2973 Drill Collars Run 30 Vis 53
 Bottom Packer Depth 2978 Wt. Pipe Run φ WL 6.4
 Total Depth 3045 Chlorides 5400 ppm System LCM #

Blow Description IF-Built to 2"
S14- no return

FF- NO blow, flushed tool, no blow

S12- Pulled tool

Rec	Feet of	%gas	%oil	%water	%mud
<u>40</u>	<u>Mud</u>				<u>100%</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Rec Total 40' BHT 87 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1453 Test 1300 T-On Location 13:40
 (B) First Initial Flow 20 Jars _____ T-Started 15:36
 (C) First Final Flow 40 Safety Joint 75 T-Open 18:07
 (D) Initial Shut-In 634 Circ Sub NA T-Pulled 19:38
 (E) Second Initial Flow _____ Hourly Standby _____ T-Out 21:41
 (F) Second Final Flow _____ Mileage 80 120 Comments on bank 14:30?
 (G) Final Shut-In _____ Sampler _____ out of town motel
 (H) Final Hydrostatic 1411 Straddle _____ EM Tool DH33 350

Initial Open 30 Ruined Shale Packer _____
 Initial Shut-In 30 Ruined Packer _____
 Final Flow 30 Extra Packer _____
 Final Shut-In 30 pulled tool Extra Recorder _____
 Day Standby _____ Sub Total 350
 Accessibility _____ Total 1845
 Sub Total 1495 MP/DST Disc't _____

Approved By _____ Our Representative Dustin Dy

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

Dustin - (785) 656-0962



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 68156

Well Name & No. Stielow #1 Test No. 2 Date 3/31/22
 Company Brungerdt Oil + Gas Leasing Elevation 1775 KB 1767 GL
 Address 213 W 7th Street PO Box 871 Russell, KS 67665
 Co. Rep / Geo. Rodger Fisher Rig Discovery Rig #2
 Location: Sec. 28 Twp 11 Rge. 14 Co. Russell State KS

Interval Tested 3149-3170 Zone Tested LKC I
 Anchor Length 21 Drill Pipe Run 3126 Mud Wt. 9.1
 Top Packer Depth 3144 Drill Collars Run 30 Vis 50
 Bottom Packer Depth 3149 Wt. Pipe Run 0 WL 7.2
 Total Depth 3170 Chlorides 7000 ppm System LCM 1#
 Blow Description IF - Built to 4"
S12 - No return
FF - Built to 2 1/2"
S12 - No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>64</u>	<u>OMCW</u>	<u>7</u>	<u>88</u>	<u>10</u>	<u>10</u>
<u>30</u>	<u>MWCO</u>	<u>70</u>	<u>20</u>	<u>10</u>	<u>10</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 94 BHT 94 Gravity _____ API RW .7 @ 60 °F Chlorides 10000 ppm
 Test 1300 T-On Location 11:45
 Jars T-Started 13:28
 Safety Joint 75 T-Open 15:03
 Circ Sub NA T-Pulled 17:33
 Hourly Standby T-Out 19:47
 Mileage 80x2 240 Comments out of town / motel
 Sampler loaded tools 3/1 @ 2:30
 Straddle EM Tool B#30 350
 Shale Packer Ruined Shale Packer
 Extra Packer Ruined Packer
 Extra Recorder Extra Copies
 Initial Open 30 Sub Total 350
 Initial Shut-In 30 Total 1965
 Final Flow 45 Sub Total 1615 MP/DST Disc't _____
 Final Shut-In 45

Approved By _____ Our Representative Duff

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