

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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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Vess Oil Corporation
1700 N. Waterfront Parkway
Building 500
Wichita, KS 67206-6619
ATTN: Dylan Klaus/Roger Ma

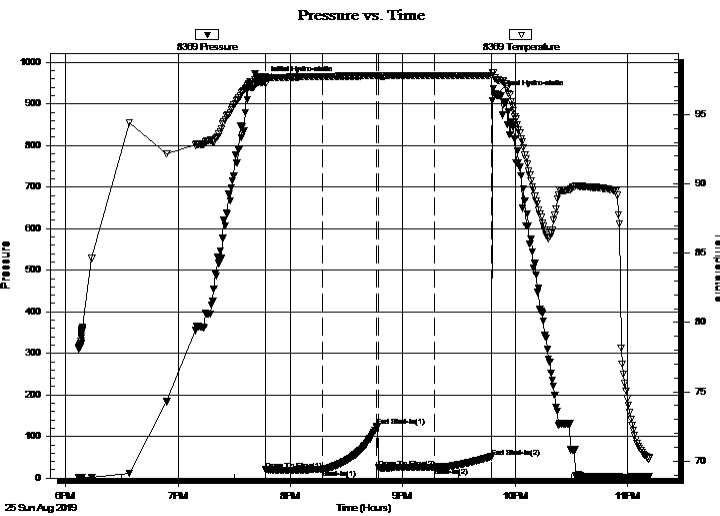
16-28S-4E Butler, KS
Braun Scully A #2
Job Ticket: 63949 **DST#: 1**
Test Start: 2019.08.25 @ 18:07:00

GENERAL INFORMATION:

Formation: **Upper Kansas City**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:46:50
Time Test Ended: 23:12:09
Interval: **2004.00 ft (KB) To 2020.00 ft (KB) (TVD)**
Total Depth: 2020.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Jimmy Ricketts
Unit No: 80
Reference Elevations: 1227.00 ft (KB)
1218.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8369 Outside
Press@RunDepth: 26.72 psig @ 2005.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2019.08.25 End Date: 2019.08.25 Last Calib.: 2019.08.25
Start Time: 18:07:01 End Time: 23:12:10 Time On Btm: 2019.08.25 @ 19:46:20
Time Off Btm: 2019.08.25 @ 21:50:10

TEST COMMENT: IF - Very weak surface blow dying to no blow.
FF - Very weak surface blow dying to no blow.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	954.82	97.75	Initial Hydro-static
1	19.84	97.21	Open To Flow (1)
31	20.80	97.75	Shut-In(1)
60	124.87	97.81	End Shut-In(1)
61	24.72	97.78	Open To Flow (2)
91	26.72	97.80	Shut-In(2)
121	51.27	97.80	End Shut-In(2)
124	921.51	97.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drilling mud 100% M	0.02
0.00	TS - OSM 1%O & 99%M	0.00

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Vess Oil Corporation
 1700 N. Waterfront Parkway
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 Wichita, KS 67206-6619
 ATTN: Dylan Klaus/Roger Ma

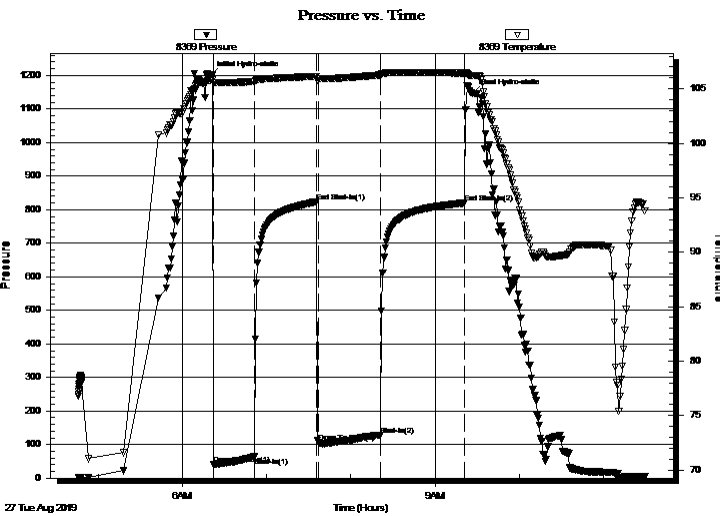
16-28S-4E Butler, KS
Braun Scully A #2
 Job Ticket: 63950 **DST#: 2**
 Test Start: 2019.08.27 @ 04:46:00

GENERAL INFORMATION:

Formation: **Simpson**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:22:10
 Time Test Ended: 11:29:39
 Interval: **2441.00 ft (KB) To 2470.00 ft (KB) (TVD)**
 Total Depth: 2470.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jimmy Ricketts
 Unit No: 80
 Reference Elevations: 1227.00 ft (KB)
 1218.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 8369 Outside
 Press@RunDepth: 128.92 psig @ 2442.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.08.27 End Date: 2019.08.27 Last Calib.: 2019.09.03
 Start Time: 04:46:01 End Time: 11:29:40 Time On Btm: 2019.08.27 @ 06:20:10
 Time Off Btm: 2019.08.27 @ 09:27:00

TEST COMMENT: IF - Weak blow building to 7"
 FF - Weak blow building to 6"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1198.68	105.79	Initial Hydro-static
2	41.51	105.57	Open To Flow (1)
32	63.51	105.67	Shut-In(1)
76	823.71	106.12	End Shut-In(1)
77	106.68	105.96	Open To Flow (2)
122	128.92	106.27	Shut-In(2)
182	820.11	106.44	End Shut-In(2)
187	1146.88	106.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
110.00	OSHMCW 1%O 52%W & 47%M	0.54
150.00	OSM 2%O & 98%M	0.87
5.00	Clean Oil 100%O	0.07
0.00	TS O&WCM 13%O 10%W & 77%M	0.00

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Vess Oil Corporation
 1700 N. Waterfront Parkway
 Building 500
 Wichita, KS 67206-6619
 ATTN: Dylan Klaus/Roger Ma

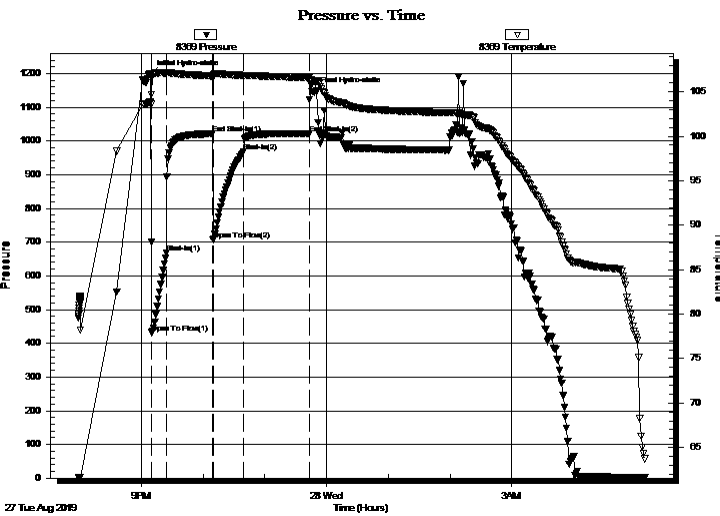
16-28S-4E Butler, KS
Braun Scully A #2
 Job Ticket: 34341 **DST#: 3**
 Test Start: 2019.08.27 @ 19:59:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 21:09:50 Tester: Jimmy Ricketts
 Time Test Ended: 05:10:00 Unit No: 80
 Interval: **2470.00 ft (KB) To 2478.00 ft (KB) (TVD)** Reference Elevations: 1227.00 ft (KB)
 Total Depth: 2478.00 ft (KB) (TVD) 1218.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 9.00 ft

Serial #: 8369 Outside
 Press@RunDepth: 968.53 psig @ 2471.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.08.27 End Date: 2019.08.28 Last Calib.: 2019.08.28
 Start Time: 19:59:01 End Time: 05:10:00 Time On Btm: 2019.08.27 @ 21:08:50
 Time Off Btm: 2019.08.27 @ 23:47:10

TEST COMMENT: IF - Strong blow throughout initial flow period.
 FF - Strong blow throughout final flow period.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1195.87	103.84	Initial Hydro-static
1	431.69	104.67	Open To Flow (1)
16	667.16	107.08	Shut-In(1)
61	1020.97	106.76	End Shut-In(1)
61	706.79	106.67	Open To Flow (2)
91	968.53	106.84	Shut-In(2)
155	1022.63	106.61	End Shut-In(2)
159	1145.74	106.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1540.00	OS&VSMCW 1%O 95%W & 4%M	19.37
690.00	Clean Oil 100%O	9.68
0.00	TS SO&MCW 6%O 89%W 5%M	0.00

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Vess Oil Corporation
 1700 N. Waterfront Parkway
 Building 500
 Wichita, KS 67206-6619
 ATTN: Dylan Klaus/Roger Ma

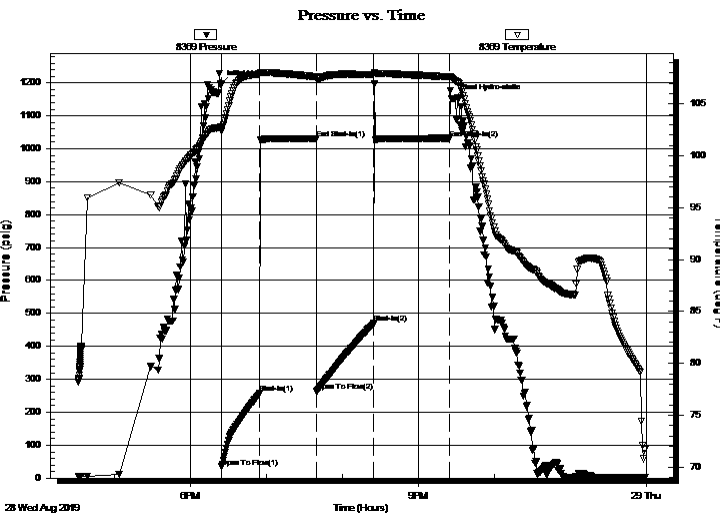
16-28S-4E Butler, KS
Braun Scully A #2
 Job Ticket: 34342 **DST#: 4**
 Test Start: 2019.08.28 @ 16:32:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 18:25:00
 Tester: Jimmy Ricketts
 Time Test Ended: 23:59:00
 Unit No: 80
 Interval: **2488.00 ft (KB) To 2496.00 ft (KB) (TVD)**
 Reference Elevations: 1227.00 ft (KB)
 Total Depth: 2496.00 ft (KB) (TVD)
 1218.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 KB to GR/CF: 9.00 ft

Serial #: 8369 Outside
 Press@RunDepth: 469.48 psig @ 2489.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.08.28 End Date: 2019.08.28 Last Calib.: 1899.12.30
 Start Time: 16:32:01 End Time: 23:59:00 Time On Btm: 2019.08.28 @ 18:24:10
 Time Off Btm: 2019.08.28 @ 21:27:50

TEST COMMENT: IF - Weak blow building to strong blow 5 minutes. Built to 75"
 FF - Weak blow building to strong blow 6 minutes. Built to 115"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1193.80	102.75	Initial Hydro-static
1	34.03	102.36	Open To Flow (1)
31	257.48	107.86	Shut-In(1)
76	1031.11	107.60	End Shut-In(1)
76	264.16	107.37	Open To Flow (2)
121	469.48	107.79	Shut-In(2)
181	1031.66	107.61	End Shut-In(2)
184	1151.65	107.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1009.00	O&MSW 1%O 2%M & 97%W	11.92
1.00	Clean Oil 100% O	0.01
0.00	TS Trace OVS/CW Tr O 3%M & 97%W	0.00

Gas Rates

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



DRILL STEM TEST REPORT

Prepared For: **Vess Oil Corporation**

1700 N. Waterfront Parkway
Building 500
Wichita, KS 67206-6619

ATTN: Dylan Klaus/Roger Ma

Braun Scully A #2

16-28S-4E Butler, KS

Start Date: 2019.08.25 @ 18:07:00

End Date: 2019.08.25 @ 23:12:09

Job Ticket #: 63949 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2019.08.30 @ 09:48:10

Vess Oil Corporation

16-28S-4E Butler, KS

Braun Scully A #2

DST # 1

Upper Kansas City

2019.08.25



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Vess Oil Corporation
1700 N. Waterfront Parkway
Building 500
Wichita, KS 67206-6619
ATTN: Dylan Klaus/Roger Ma

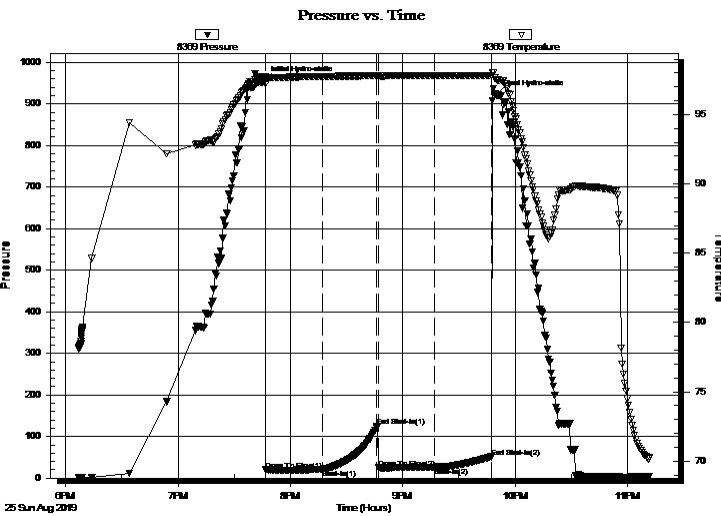
16-28S-4E Butler, KS
Braun Scully A #2
Job Ticket: 63949 **DST#: 1**
Test Start: 2019.08.25 @ 18:07:00

GENERAL INFORMATION:

Formation: **Upper Kansas City**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:46:50
Time Test Ended: 23:12:09
Interval: **2004.00 ft (KB) To 2020.00 ft (KB) (TVD)**
Total Depth: 2020.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Jimmy Ricketts
Unit No: 80
Reference Elevations: 1227.00 ft (KB)
1218.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8369 Outside
Press@RunDepth: 26.72 psig @ 2005.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2019.08.25 End Date: 2019.08.25 Last Calib.: 2019.08.25
Start Time: 18:07:01 End Time: 23:12:10 Time On Btm: 2019.08.25 @ 19:46:20
Time Off Btm: 2019.08.25 @ 21:50:10

TEST COMMENT: IF - Very weak surface blow dying to no blow .
FF - Very weak surface blow dying to no blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	954.82	97.75	Initial Hydro-static
1	19.84	97.21	Open To Flow (1)
31	20.80	97.75	Shut-In(1)
60	124.87	97.81	End Shut-In(1)
61	24.72	97.78	Open To Flow (2)
91	26.72	97.80	Shut-In(2)
121	51.27	97.80	End Shut-In(2)
124	921.51	97.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drilling mud 100% M	0.02
0.00	TS - OSM 1%O & 99%M	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Vess Oil Corporation

16-28S-4E Butler, KS

1700 N. Waterfront Parkw ay
Building 500
Wichita, KS 67206-6619
ATTN: Dylan Klaus/Roger Ma

Braun Scully A #2

Job Ticket: 63949

DST#: 1

Test Start: 2019.08.25 @ 18:07:00

GENERAL INFORMATION:

Formation: **Upper Kansas City**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:46:50

Time Test Ended: 23:12:09

Test Type: Conventional Bottom Hole (Initial)

Tester: Jimmy Ricketts

Unit No: 80

Interval: **2004.00 ft (KB) To 2020.00 ft (KB) (TVD)**

Reference Elevations: 1227.00 ft (KB)

Total Depth: 2020.00 ft (KB) (TVD)

1218.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

Serial #: 8846 Inside

Press@RunDepth: psig @ 2005.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.08.25 End Date: 2019.08.25

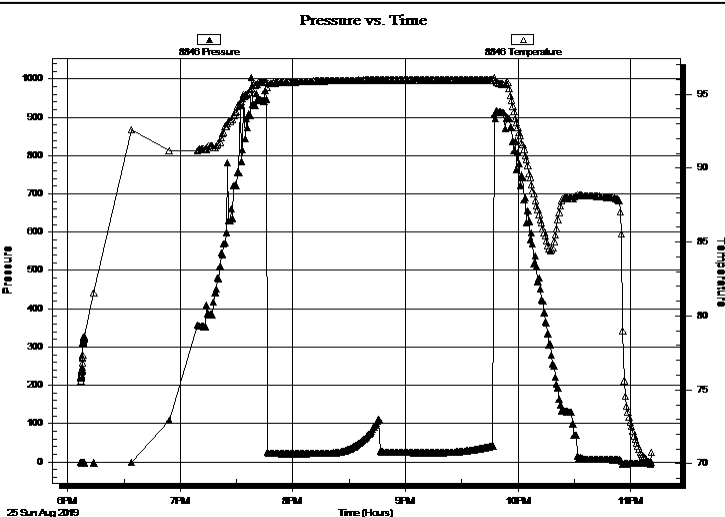
Last Calib.: 1899.12.30

Start Time: 18:07:01 End Time: 23:11:10

Time On Btm:

Time Off Btm:

TEST COMMENT: IF - Very weak surface blow dying to no blow .
FF - Very weak surface blow dying to no blow .



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drilling mud 100% M	0.02
0.00	TS - OSM 1%O & 99%M	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Vess Oil Corporation

16-28S-4E Butler, KS

1700 N. Waterfront Parkway
Building 500
Wichita, KS 67206-6619
ATTN: Dylan Klaus/Roger Ma

Braun Scully A #2

Job Ticket: 63949

DST#: 1

Test Start: 2019.08.25 @ 18:07:00

Tool Information

Drill Pipe:	Length: 1734.00 ft	Diameter: 3.80 inches	Volume: 24.32 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 245.00 ft	Diameter: 2.25 inches	Volume: 1.20 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 25.52 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 53000.00 lb
Depth to Top Packer:	2004.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	16.00 ft			
Tool Length:	44.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			1977.00	
Shut In Tool	5.00			1982.00	
Hydraulic tool	5.00			1987.00	
Jars	5.00			1992.00	
Safety Joint	3.00			1995.00	
Packer	5.00			2000.00	28.00 Bottom Of Top Packer
Packer	4.00			2004.00	
Stubb	1.00			2005.00	
Recorder	0.00	8369	Outside	2005.00	
Recorder	0.00	8846	Inside	2005.00	
Perforations	10.00			2015.00	
Bullnose	5.00			2020.00	16.00 Bottom Packers & Anchor

Total Tool Length: 44.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Vess Oil Corporation

16-28S-4E Butler, KS

1700 N. Waterfront Parkway
Building 500
Wichita, KS 67206-6619
ATTN: Dylan Klaus/Roger Ma

Braun Scully A #2

Job Ticket: 63949

DST#: 1

Test Start: 2019.08.25 @ 18:07:00

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: 45.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 12.37 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1100.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
5.00	Drilling mud 100% M	0.025
0.00	TS - OSM 1%O & 99%M	0.000

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

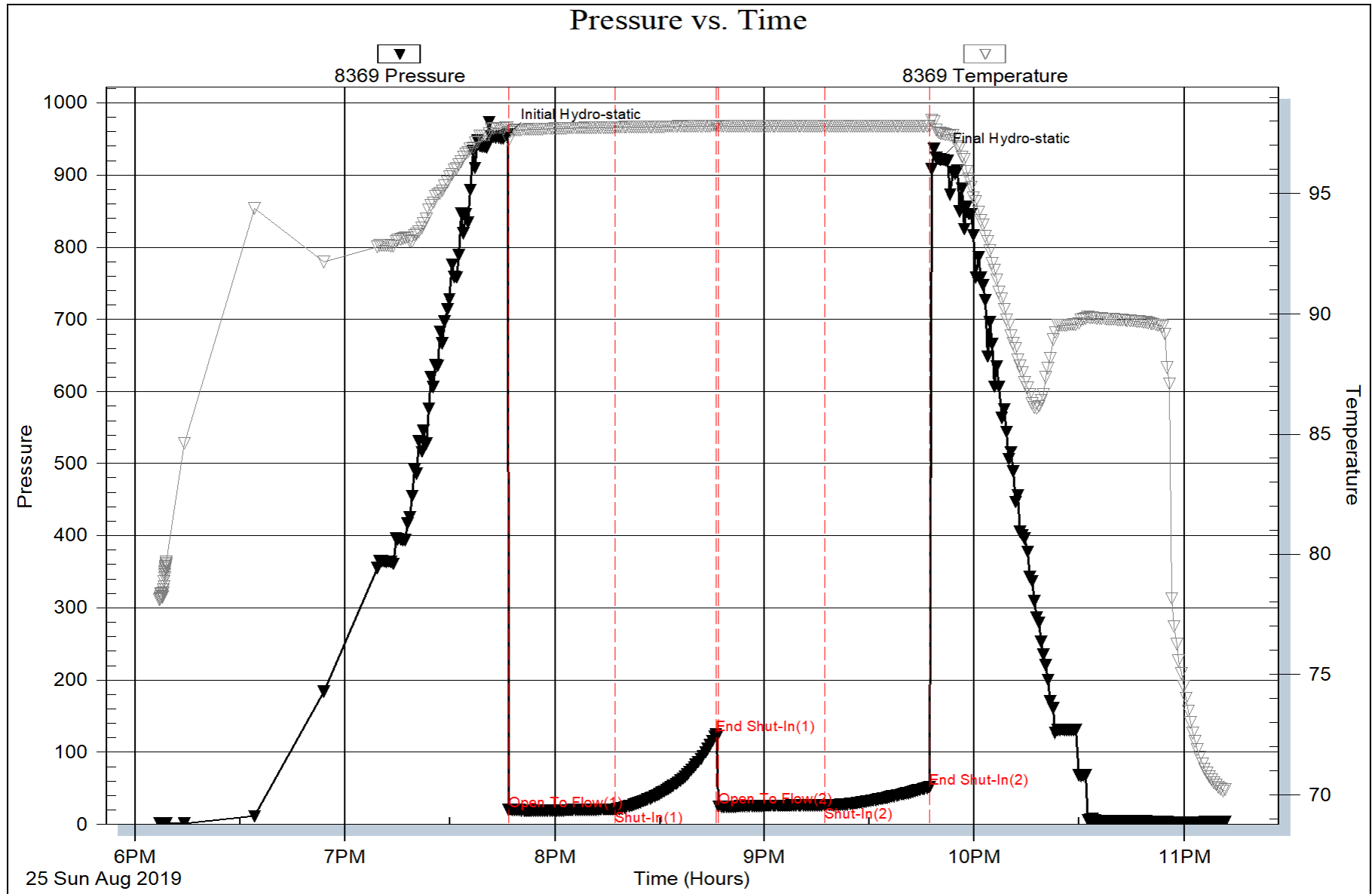
Num Gas Bombs: 0

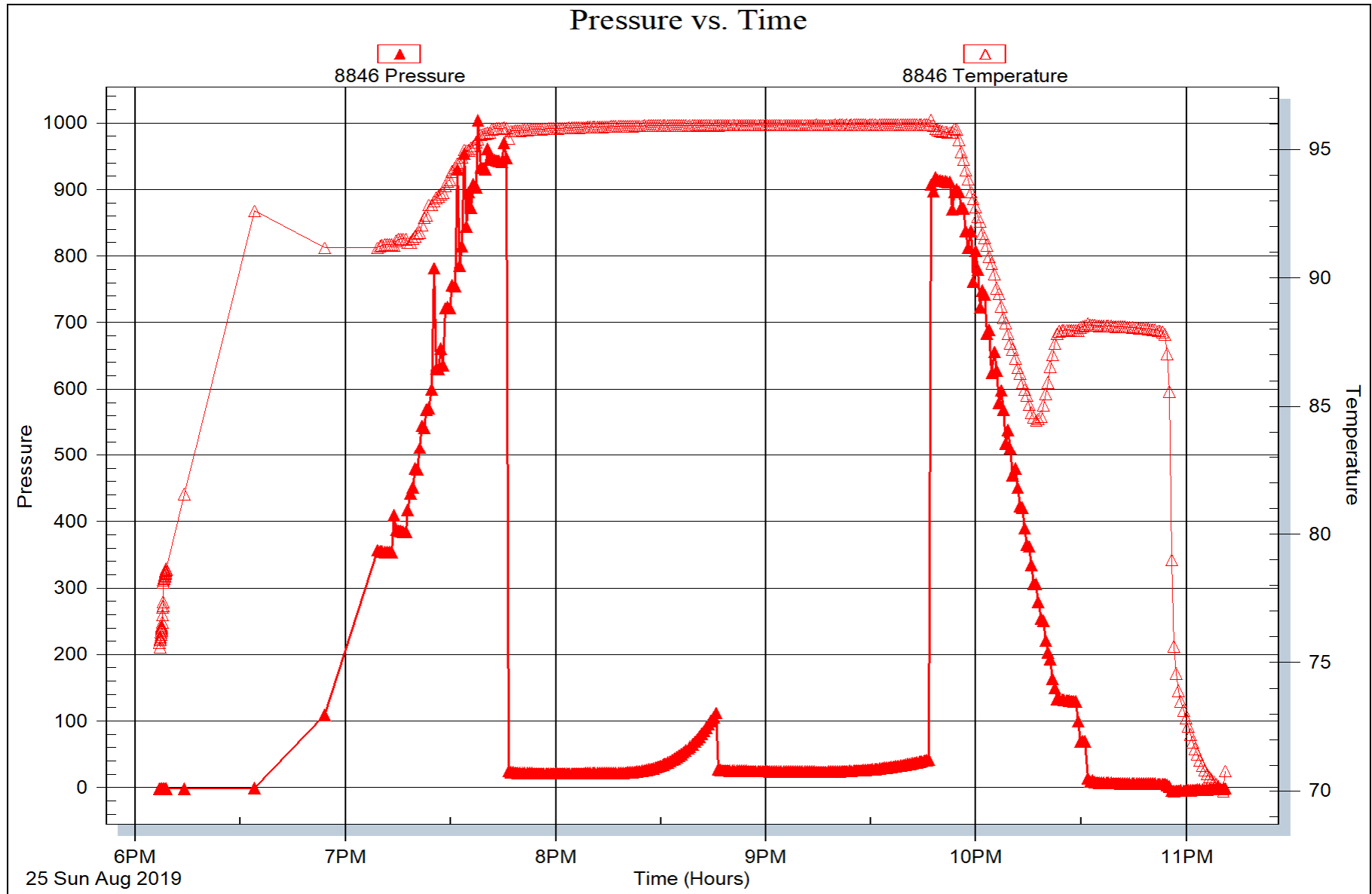
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Vess Oil Corporation**

1700 N. Waterfront Parkway
Building 500
Wichita, KS 67206-6619

ATTN: Dylan Klaus/Roger Ma

Braun Scully A #2

16-28S-4E Butler, KS

Start Date: 2019.08.27 @ 04:46:00

End Date: 2019.08.27 @ 11:29:39

Job Ticket #: 63950 DST #: 2

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2019.08.30 @ 09:47:32



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Vess Oil Corporation
1700 N. Waterfront Parkway
Building 500
Wichita, KS 67206-6619
ATTN: Dylan Klaus/Roger Ma

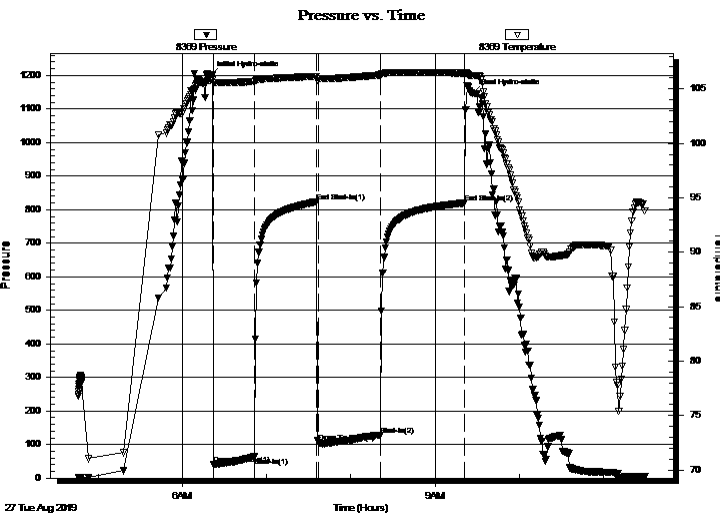
16-28S-4E Butler, KS
Braun Scully A #2
Job Ticket: 63950 **DST#: 2**
Test Start: 2019.08.27 @ 04:46:00

GENERAL INFORMATION:

Formation: **Simpson**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:22:10
Time Test Ended: 11:29:39
Test Type: Conventional Bottom Hole (Initial)
Tester: Jimmy Ricketts
Unit No: 80
Interval: **2441.00 ft (KB) To 2470.00 ft (KB) (TVD)**
Reference Elevations: 1227.00 ft (KB)
Total Depth: 2470.00 ft (KB) (TVD) 1218.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 9.00 ft

Serial #: 8369 Outside
Press@RunDepth: 128.92 psig @ 2442.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2019.08.27 End Date: 2019.08.27 Last Calib.: 2019.09.03
Start Time: 04:46:01 End Time: 11:29:40 Time On Btm: 2019.08.27 @ 06:20:10
Time Off Btm: 2019.08.27 @ 09:27:00

TEST COMMENT: IF - Weak blow building to 7"
FF - Weak blow building to 6"



PRESSURE SUMMARY

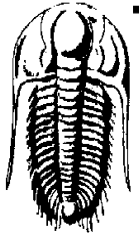
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1198.68	105.79	Initial Hydro-static
2	41.51	105.57	Open To Flow (1)
32	63.51	105.67	Shut-In(1)
76	823.71	106.12	End Shut-In(1)
77	106.68	105.96	Open To Flow (2)
122	128.92	106.27	Shut-In(2)
182	820.11	106.44	End Shut-In(2)
187	1146.88	106.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
110.00	OSHMCW 1%O 52%W & 47%M	0.54
150.00	OSM 2%O & 98%M	0.87
5.00	Clean Oil 100%O	0.07
0.00	TS O&WCM 13%O 10%W & 77%M	0.00

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Vess Oil Corporation
 1700 N. Waterfront Parkway
 Building 500
 Wichita, KS 67206-6619
 ATTN: Dylan Klaus/Roger Ma

16-28S-4E Butler, KS
Braun Scully A #2
 Job Ticket: 63950 **DST#: 2**
 Test Start: 2019.08.27 @ 04:46:00

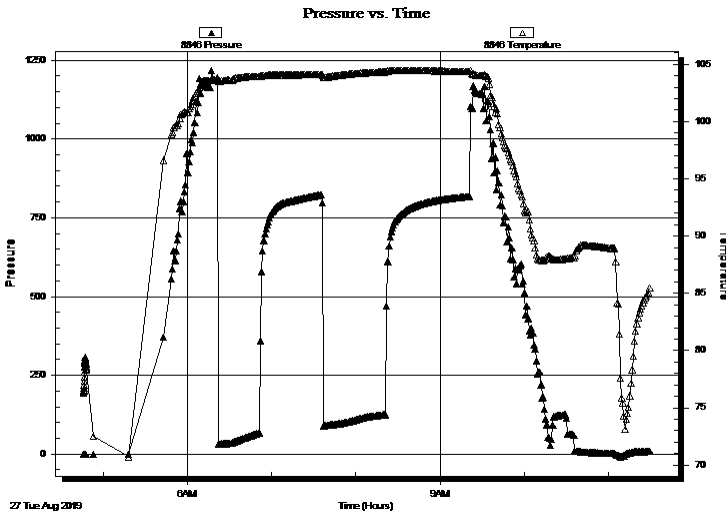
GENERAL INFORMATION:

Formation: **Simpson**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:22:10
 Time Test Ended: 11:29:39
 Interval: **2441.00 ft (KB) To 2470.00 ft (KB) (TVD)**
 Total Depth: 2470.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jimmy Ricketts
 Unit No: 80
 Reference Elevations: 1227.00 ft (KB)
 1218.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 8846 Inside

Press@RunDepth: psig @ 2442.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.08.27 End Date: 2019.08.27 Last Calib.: 1899.12.30
 Start Time: 04:46:01 End Time: 11:29:50 Time On Btm: Time Off Btm:

TEST COMMENT: IF - Weak blow building to 7"
 FF - Weak blow building to 6"



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
110.00	OSHCW 1%O 52%W & 47%M	0.54
150.00	OSM 2%O & 98%M	0.87
5.00	Clean Oil 100%O	0.07
0.00	TS O&WCM 13%O 10%W & 77%M	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Vess Oil Corporation

16-28S-4E Butler, KS

1700 N. Waterfront Parkway
Building 500
Wichita, KS 67206-6619
ATTN: Dylan Klaus/Roger Ma

Braun Scully A #2

Job Ticket: 63950

DST#: 2

Test Start: 2019.08.27 @ 04:46:00

Tool Information

Drill Pipe:	Length: 2175.00 ft	Diameter: 3.80 inches	Volume: 30.51 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 21000.00 lb
Drill Collar:	Length: 245.00 ft	Diameter: 2.25 inches	Volume: 1.20 bbl	Weight to Pull Loose: 61000.00 lb
			<u>Total Volume: 31.71 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	2441.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	29.00 ft			
Tool Length:	57.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Change Over Sub	1.00			2414.00	
Shut In Tool	5.00			2419.00	
Hydraulic tool	5.00			2424.00	
Jars	5.00			2429.00	
Safety Joint	3.00			2432.00	
Packer	5.00			2437.00	28.00 Bottom Of Top Packer
Packer	4.00			2441.00	
Stubb	1.00			2442.00	
Recorder	0.00	8369	Outside	2442.00	
Recorder	0.00	8846	Inside	2442.00	
Perforations	23.00			2465.00	
Bullnose	5.00			2470.00	29.00 Bottom Packers & Anchor

Total Tool Length: 57.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Vess Oil Corporation

16-28S-4E Butler, KS

1700 N. Waterfront Parkway
Building 500
Wichita, KS 67206-6619
ATTN: Dylan Klaus/Roger Ma

Braun Scully A #2

Job Ticket: 63950

DST#: 2

Test Start: 2019.08.27 @ 04:46:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 46.00 sec/qt

Water Loss: 10.38 in³

Resistivity: ohm.m

Salinity: 1200.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: 35.5 deg API

Water Salinity: 20000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
110.00	OSHMCW 1%O 52%W & 47%M	0.541
150.00	OSM 2%O & 98%M	0.874
5.00	Clean Oil 100%O	0.070
0.00	TS O&WCM 13%O 10%W & 77%M	0.000

Total Length: 265.00 ft Total Volume: 1.485 bbl

Num Fluid Samples: 0

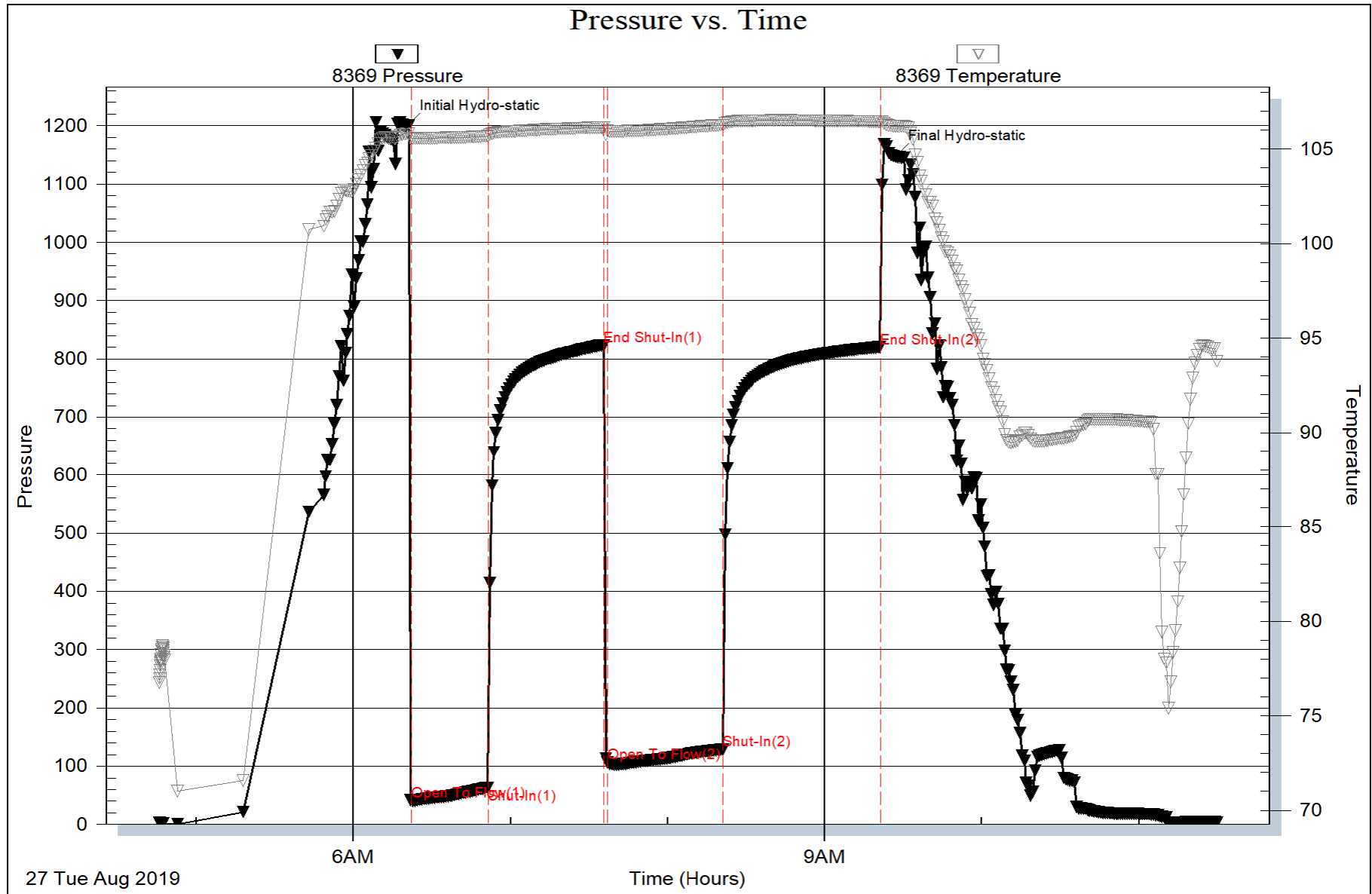
Num Gas Bombs: 0

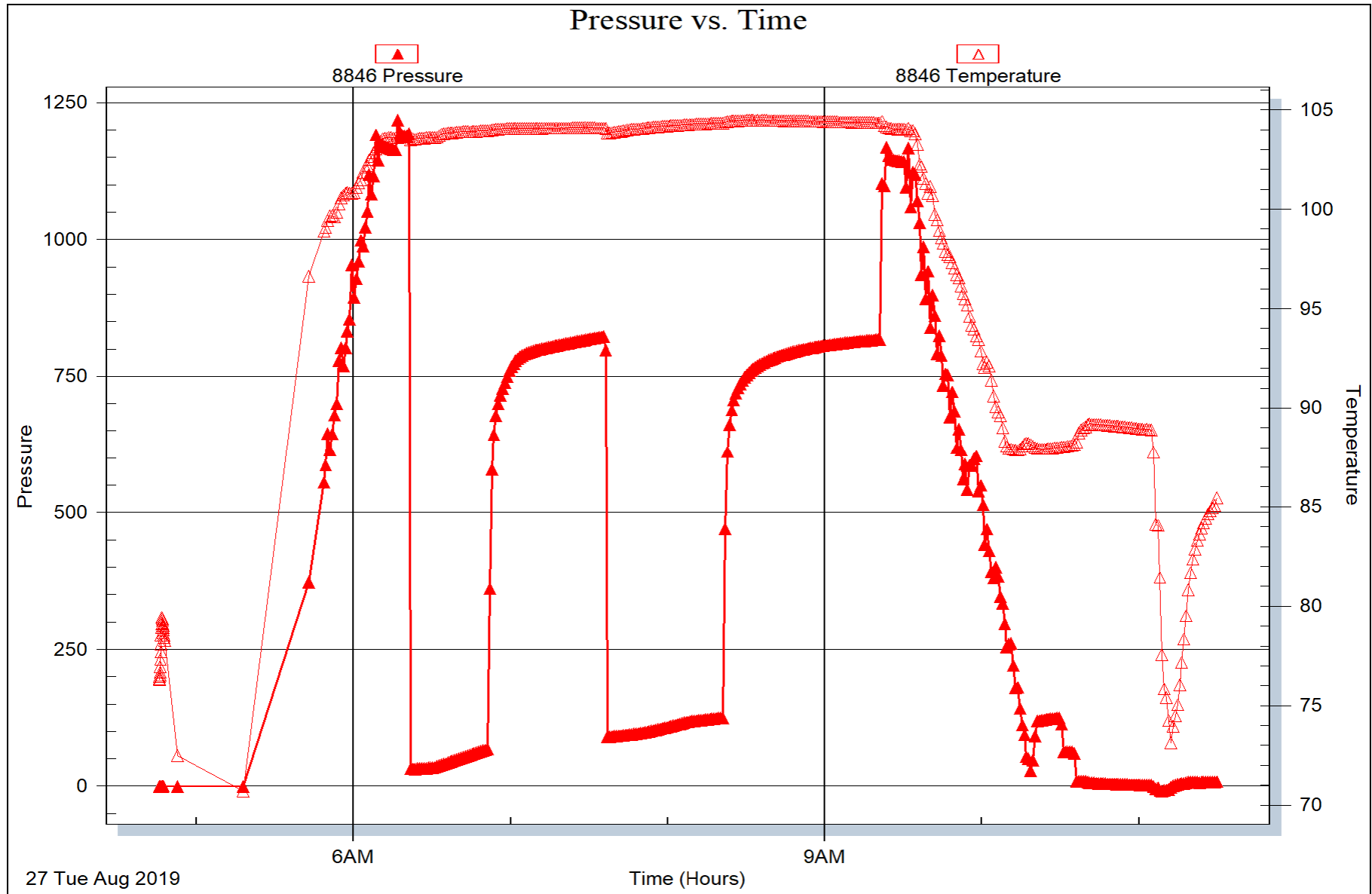
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Vess Oil Corporation**

1700 N. Waterfront Parkway
Building 500
Wichita, KS 67206-6619

ATTN: Dylan Klaus/Roger Ma

Braun Scully A #2

16-28S-4E Butler, KS

Start Date: 2019.08.27 @ 19:59:00

End Date: 2019.08.28 @ 05:10:00

Job Ticket #: 34341 DST #: 3

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2019.08.30 @ 09:33:05



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Vess Oil Corporation
 1700 N. Waterfront Parkway
 Building 500
 Wichita, KS 67206-6619
 ATTN: Dylan Klaus/Roger Ma

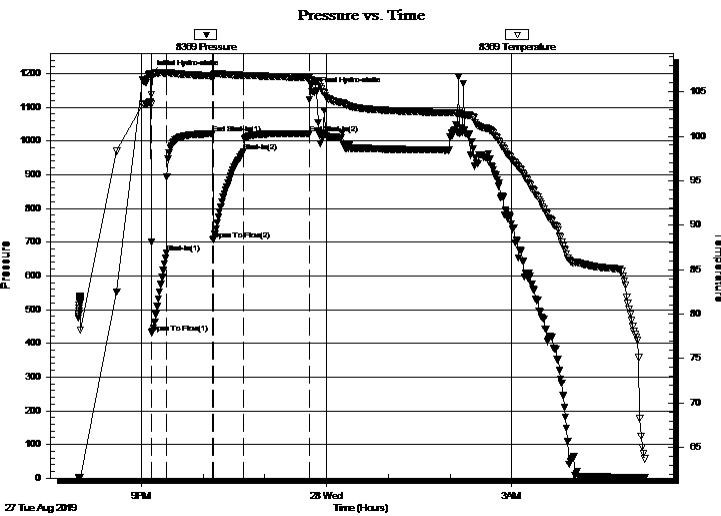
16-28S-4E Butler, KS
Braun Scully A #2
 Job Ticket: 34341 **DST#: 3**
 Test Start: 2019.08.27 @ 19:59:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:09:50
 Time Test Ended: 05:10:00
 Interval: **2470.00 ft (KB) To 2478.00 ft (KB) (TVD)**
 Total Depth: 2478.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jimmy Ricketts
 Unit No: 80
 Reference Elevations: 1227.00 ft (KB)
 1218.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 8369 Outside
 Press@RunDepth: 968.53 psig @ 2471.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.08.27 End Date: 2019.08.28 Last Calib.: 2019.08.28
 Start Time: 19:59:01 End Time: 05:10:00 Time On Btm: 2019.08.27 @ 21:08:50
 Time Off Btm: 2019.08.27 @ 23:47:10

TEST COMMENT: IF - Strong blow throughout initial flow period.
 FF - Strong blow throughout final flow period.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1195.87	103.84	Initial Hydro-static
1	431.69	104.67	Open To Flow (1)
16	667.16	107.08	Shut-In(1)
61	1020.97	106.76	End Shut-In(1)
61	706.79	106.67	Open To Flow (2)
91	968.53	106.84	Shut-In(2)
155	1022.63	106.61	End Shut-In(2)
159	1145.74	106.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1540.00	OS&VSMCW 1%O 95%W & 4%M	19.37
690.00	Clean Oil 100%O	9.68
0.00	TS SO&MCW 6%O 89%W 5%M	0.00

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Vess Oil Corporation
 1700 N. Waterfront Parkway
 Building 500
 Wichita, KS 67206-6619
 ATTN: Dylan Klaus/Roger Ma

16-28S-4E Butler, KS
Braun Scully A #2
 Job Ticket: 34341 **DST#: 3**
 Test Start: 2019.08.27 @ 19:59:00

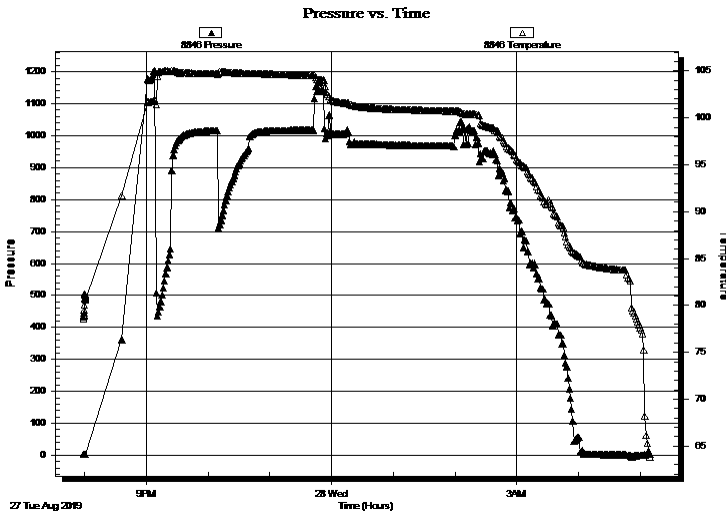
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 21:09:50 Tester: Jimmy Ricketts
 Time Test Ended: 05:10:00 Unit No: 80
 Interval: **2470.00 ft (KB) To 2478.00 ft (KB) (TVD)** Reference Elevations: 1227.00 ft (KB)
 Total Depth: 2478.00 ft (KB) (TVD) 1218.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 9.00 ft

Serial #: 8846 Inside

Press@RunDepth: psig @ 2471.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.08.27 End Date: 2019.08.28 Last Calib.: 1899.12.30
 Start Time: 19:59:01 End Time: 05:09:40 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF - Strong blow throughout initial flow period.
 FF - Strong blow throughout final flow period.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
1540.00	OS&VSMCW 1%O 95%W & 4%M	19.37
690.00	Clean Oil 100%O	9.68
0.00	TS SO&MCW 6%O 89%W 5%M	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Vess Oil Corporation

16-28S-4E Butler, KS

1700 N. Waterfront Parkway
Building 500
Wichita, KS 67206-6619
ATTN: Dylan Klaus/Roger Ma

Braun Scully A #2

Job Ticket: 34341

DST#: 3

Test Start: 2019.08.27 @ 19:59:00

Tool Information

Drill Pipe:	Length: 2207.00 ft	Diameter: 3.80 inches	Volume: 30.96 bbl	Tool Weight: 2300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 245.00 ft	Diameter: 2.25 inches	Volume: 1.20 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 32.16 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 59000.00 lb
Depth to Top Packer:	2470.00 ft			Final 67000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	8.00 ft			
Tool Length:	36.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			2443.00	
Shut In Tool	5.00			2448.00	
Hydraulic tool	5.00			2453.00	
Jars	5.00			2458.00	
Safety Joint	3.00			2461.00	
Packer	5.00			2466.00	28.00 Bottom Of Top Packer
Packer	4.00			2470.00	
Stubb	1.00			2471.00	
Recorder	0.00	8369	Outside	2471.00	
Recorder	0.00	8846	Inside	2471.00	
Perforations	5.00			2476.00	
Bullnose	2.00			2478.00	8.00 Bottom Packers & Anchor

Total Tool Length: 36.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Vess Oil Corporation

16-28S-4E Butler, KS

1700 N. Waterfront Parkway
Building 500
Wichita, KS 67206-6619
ATTN: Dylan Klaus/Roger Ma

Braun Scully A #2

Job Ticket: 34341

DST#: 3

Test Start: 2019.08.27 @ 19:59:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 66.00 sec/qt
Water Loss: 8.79 in³
Resistivity: ohm.m
Salinity: 900.00 ppm
Filter Cake: inches

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

Oil API: 33.6 deg API
Water Salinity: 15000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1540.00	OS&VSMCW 1%O 95%W & 4%M	19.370
690.00	Clean Oil 100%O	9.679
0.00	TS SO&MCW 6%O 89%W 5%M	0.000

Total Length: 2230.00 ft Total Volume: 29.049 bbl

Num Fluid Samples: 0

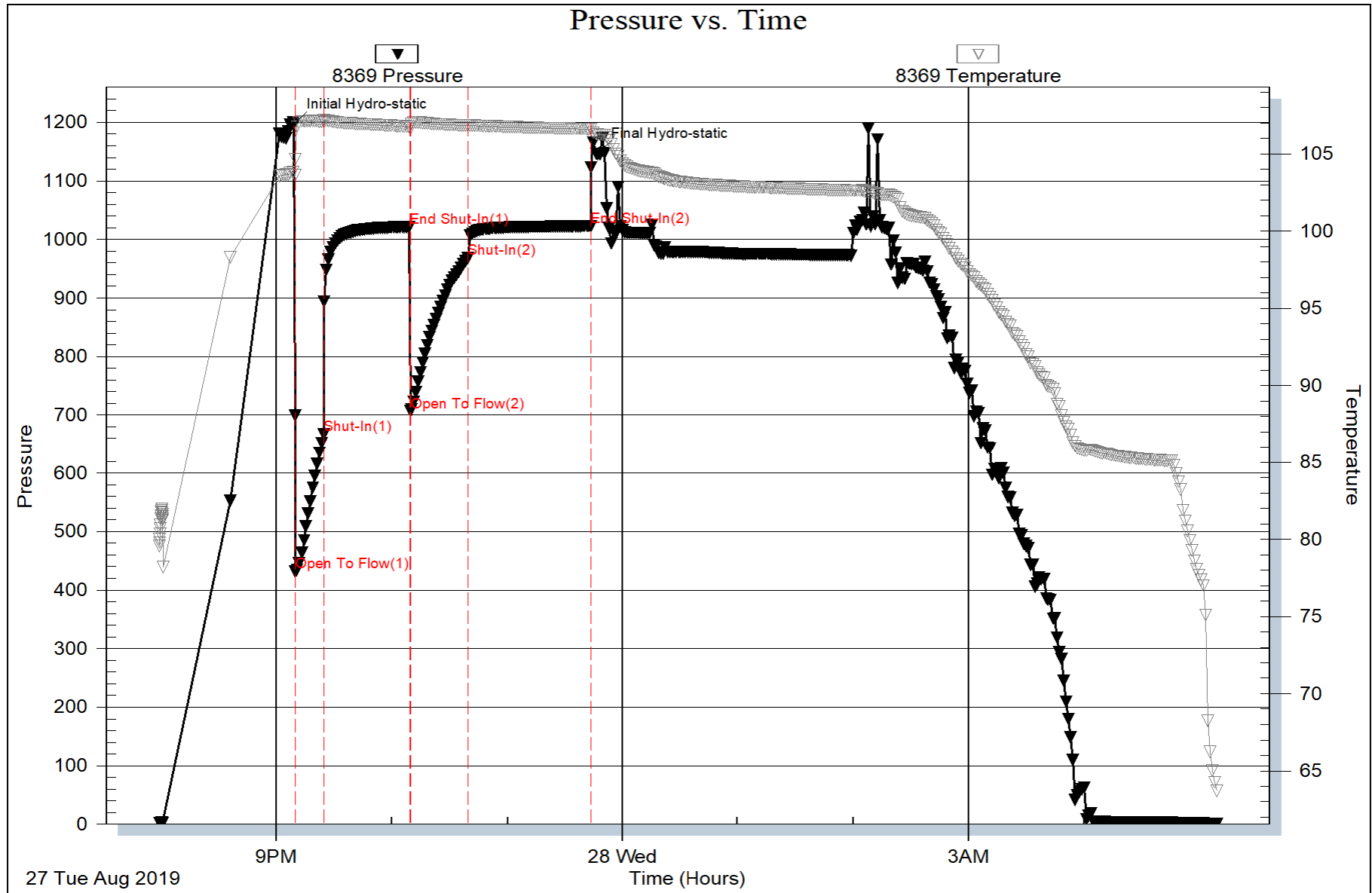
Num Gas Bombs: 0

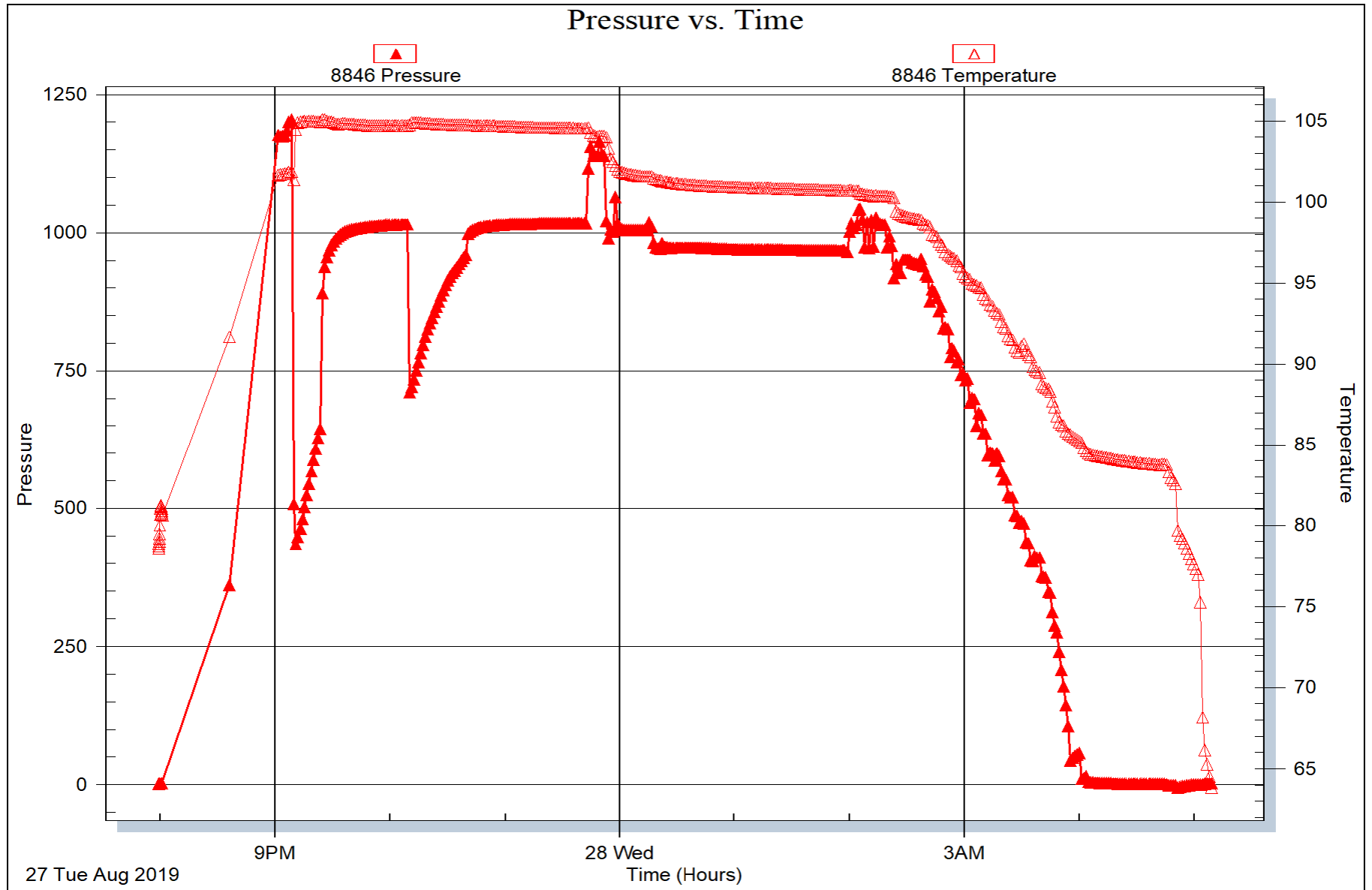
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Vess Oil Corporation**

1700 N. Waterfront Parkway
Building 500
Wichita, KS 67206-6619

ATTN: Dylan Klaus/Roger Ma

Braun Scully A #2

16-28S-4E Butler, KS

Start Date: 2019.08.28 @ 16:32:00

End Date: 2019.08.28 @ 23:59:00

Job Ticket #: 34342 DST #: 4

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2019.08.30 @ 09:32:40



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Vess Oil Corporation
 1700 N. Waterfront Parkway
 Building 500
 Wichita, KS 67206-6619
 ATTN: Dylan Klaus/Roger Ma

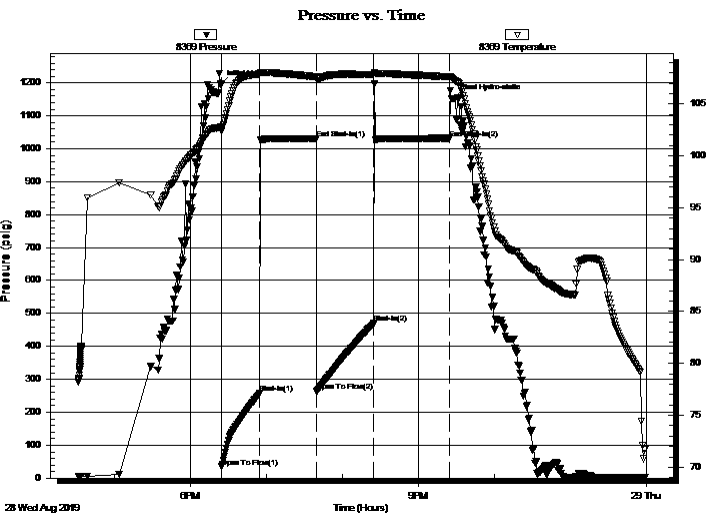
16-28S-4E Butler, KS
Braun Scully A #2
 Job Ticket: 34342 **DST#: 4**
 Test Start: 2019.08.28 @ 16:32:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 18:25:00
 Tester: Jimmy Ricketts
 Time Test Ended: 23:59:00
 Unit No: 80
 Interval: **2488.00 ft (KB) To 2496.00 ft (KB) (TVD)**
 Reference Elevations: 1227.00 ft (KB)
 Total Depth: 2496.00 ft (KB) (TVD) 1218.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 9.00 ft

Serial #: 8369 Outside
 Press@RunDepth: 469.48 psig @ 2489.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.08.28 End Date: 2019.08.28 Last Calib.: 1899.12.30
 Start Time: 16:32:01 End Time: 23:59:00 Time On Btm: 2019.08.28 @ 18:24:10
 Time Off Btm: 2019.08.28 @ 21:27:50

TEST COMMENT: IF - Weak blow building to strong blow 5 minutes. Built to 75"
 FF - Weak blow building to strong blow 6 minutes. Built to 115"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1193.80	102.75	Initial Hydro-static
1	34.03	102.36	Open To Flow (1)
31	257.48	107.86	Shut-In(1)
76	1031.11	107.60	End Shut-In(1)
76	264.16	107.37	Open To Flow (2)
121	469.48	107.79	Shut-In(2)
181	1031.66	107.61	End Shut-In(2)
184	1151.65	107.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1009.00	O&MSW 1%O 2%M & 97%W	11.92
1.00	Clean Oil 100% O	0.01
0.00	TS Trace OVSMCW Tr O 3%M & 97%W	0.00

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Vess Oil Corporation
 1700 N. Waterfront Parkway
 Building 500
 Wichita, KS 67206-6619
 ATTN: Dylan Klaus/Roger Ma

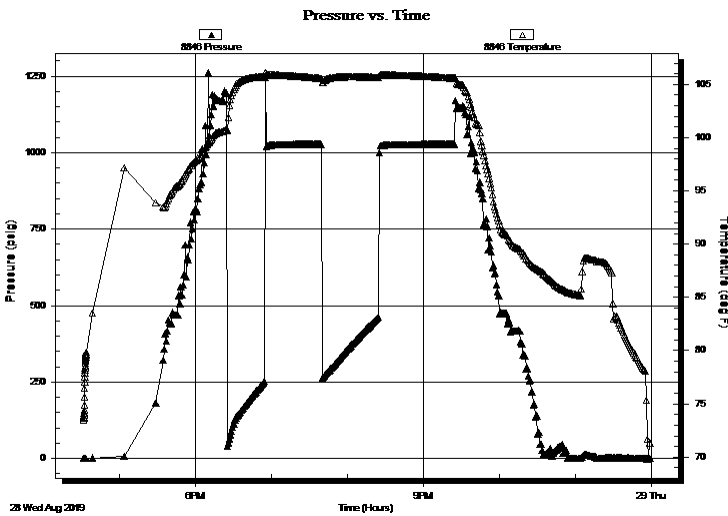
16-28S-4E Butler, KS
Braun Scully A #2
 Job Ticket: 34342 **DST#: 4**
 Test Start: 2019.08.28 @ 16:32:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 18:25:00 Tester: Jimmy Ricketts
 Time Test Ended: 23:59:00 Unit No: 80
 Interval: **2488.00 ft (KB) To 2496.00 ft (KB) (TVD)** Reference Elevations: 1227.00 ft (KB)
 Total Depth: 2496.00 ft (KB) (TVD) 1218.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 9.00 ft

Serial #: 8846 Inside
 Press@RunDepth: psig @ 2489.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.08.28 End Date: 2019.08.28 Last Calib.: 1899.12.30
 Start Time: 16:32:01 End Time: 23:59:10 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF - Weak blow building to strong blow 5 minutes. Built to 75"
 FF - Weak blow building to strong blow 6 minutes. Built to 115"



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
1009.00	O&MSW 1%O 2%M & 97%W	11.92
1.00	Clean Oil 100% O	0.01
0.00	TS Trace OVSMCW Tr O 3%M & 97%W	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Vess Oil Corporation

16-28S-4E Butler, KS

1700 N. Waterfront Parkway
Building 500
Wichita, KS 67206-6619
ATTN: Dylan Klaus/Roger Ma

Braun Scully A #2

Job Ticket: 34342

DST#: 4

Test Start: 2019.08.28 @ 16:32:00

Tool Information

Drill Pipe:	Length: 2238.00 ft	Diameter: 3.80 inches	Volume: 31.39 bbl	Tool Weight: 2300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 245.00 ft	Diameter: 2.25 inches	Volume: 1.20 bbl	Weight to Pull Loose: 66000.00 lb
			<u>Total Volume: 32.59 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 59000.00 lb
Depth to Top Packer:	2488.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	8.00 ft			
Tool Length:	36.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Change Over Sub	1.00			2461.00	
Shut In Tool	5.00			2466.00	
Hydraulic tool	5.00			2471.00	
Jars	5.00			2476.00	
Safety Joint	3.00			2479.00	
Packer	5.00			2484.00	28.00 Bottom Of Top Packer
Packer	4.00			2488.00	
Stubb	1.00			2489.00	
Recorder	0.00	8369	Outside	2489.00	
Recorder	0.00	8846	Inside	2489.00	
Perforations	5.00			2494.00	
Bullnose	2.00			2496.00	8.00 Bottom Packers & Anchor

Total Tool Length: 36.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Vess Oil Corporation
1700 N. Waterfront Parkway
Building 500
Wichita, KS 67206-6619
ATTN: Dylan Klaus/Roger Ma

16-28S-4E Butler, KS
Braun Scully A #2
Job Ticket: 34342 **DST#: 4**
Test Start: 2019.08.28 @ 16:32:00

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:	18000 ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.59 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2500.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

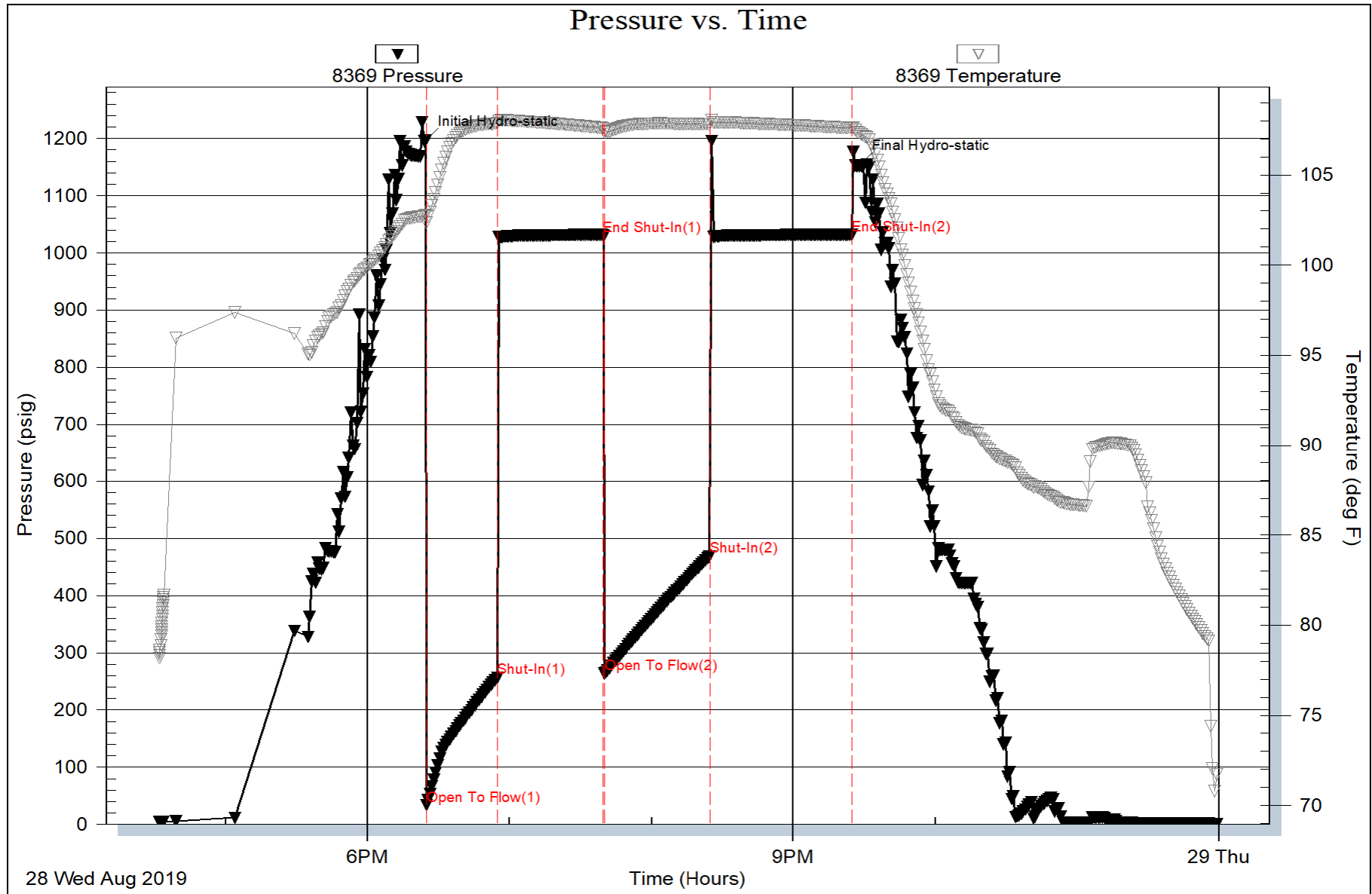
Length ft	Description	Volume bbl
1009.00	O&MSW 1%O 2%M & 97%W	11.922
1.00	Clean Oil 100% O	0.014
0.00	TS Trace OVS MCW Tr O 3%M & 97%W	0.000

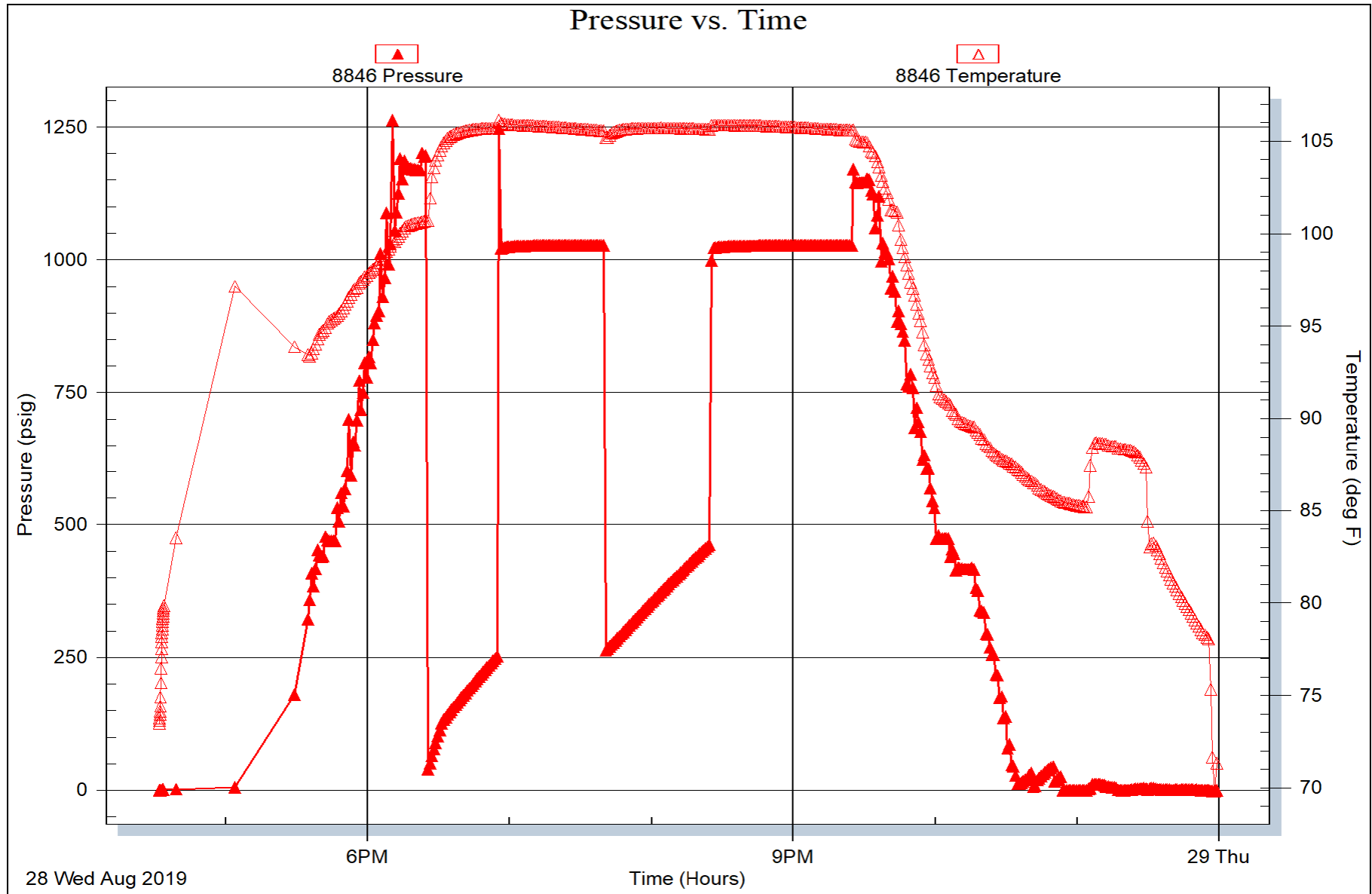
Total Length: 1010.00 ft Total Volume: 11.936 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:







TRIOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63949

Well Name & No. Braun Scully A #2 Test No. 1 Date 8-25-19
 Company VSS Oil Corporation Elevation 1227 KB 1218 GL
 Address 1700 N. Waterfront Parkway Building 500 Wichita, KS 67206-6619
 Co. Rep / Geo. Dylan Klaus / Roger Martin Rig C + G Drilling #2
 Location: Sec. 16 Twp 28 S Rge. 4 E Co. Butler State KS

Interval Tested 2004-2020 Zone Tested Upper Kansas City
 Anchor Length 16' Drill Pipe Run 1734 Mud Wt. 9.3
 Top Packer Depth 1999 Drill Collars Run 245 Vis 45
 Bottom Packer Depth 2004 Wt. Pipe Run 0 WL 12.4
 Total Depth 2020 Chlorides 1100 ppm System LCM
 Blow Description IF - Very weak surface blow dying to no blow IFP
FF - Very weak surface blow dying to no blow IFP

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>OSM Drilling Mud</u>	<u>0</u>	<u>0</u>	<u>100</u>	<u>99</u>
<u>TS</u>	<u>OSM</u>	<u>1</u>	<u>1</u>	<u>99</u>	<u>99</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 98 Gravity 1200 API RW @ °F Chlorides ppm
 (A) Initial Hydrostatic 955 Test 1200 T-On Location 1550
 (B) First Initial Flow 20 Jars 250 T-Started 1807
 (C) First Final Flow 21 Safety Joint 75 T-Open 1947
 (D) Initial Shut-In 125 Circ Sub _____ T-Pulled 2147
 (E) Second Initial Flow 25 Hourly Standby _____ T-Out 2300
 (F) Second Final Flow 27 Mileage 56 RT 56 Comments _____
 (G) Final Shut-In 51 Sampler _____
 (H) Final Hydrostatic 922 Straddle _____
 Initial Open 30 Shale Packer _____
 Initial Shut-In 30 Extra Packer _____
 Final Flow 30 Extra Recorder _____
 Final Shut-In 30 Day Standby _____
 Sub Total 1581 Accessibility _____
 Sub Total 1581 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 0
 Total 1581
 MP/DST Disc't _____

Approved By Roger Martin Our Representative Quinn Ricketts
 Triobite 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.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63950

Well Name & No. Braun Scully A #2 Test No. 2 Date 8-27-19
 Company Vess Oil Corporation Elevation 1227 KB 1218 GL
 Address 1700 N. waterfront Parkway Building 500 Wichita, KS. 67206-6619
 Co. Rep / Geo. Pylan Klaus / Roger Martin Rig C+G Drilling #2
 Location: Sec. 16 Twp 28 S Rge. 4 E Co. Butler State KS

Interval Tested 2441-2470 Zone Tested Simpson Sand + Arbuckle
 Anchor Length 29' Drill Pipe Run 2175 Mud Wt. 9.4
 Top Packer Depth 2439 Drill Collars Run 245 Vis 46
 Bottom Packer Depth 2441 Wt. Pipe Run 0 WL 10.4
 Total Depth 2470 Chlorides 1200 ppm System LCM
 Blow Description IF-Weak blow building to 7 inches IFP
FF-Weak blow building to 6 inches FFP

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Clean Oil</u>		<u>100</u>		
<u>150</u>	<u>OSM</u>		<u>2</u>		<u>98</u>
<u>110</u>	<u>OSHAW CW</u>		<u>1</u>	<u>52</u>	<u>47</u>
<u>TS</u>	<u>OSWCM</u>		<u>13</u>	<u>10</u>	<u>77</u>

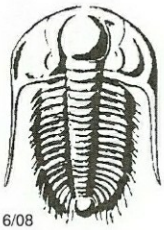
Rec Total 265 BHT 106 Gravity 35.5 API RW 0.309 @ 77.1 °F Chlorides 20000 ppm

(A) Initial Hydrostatic 1199 Test 1200 T-On Location 0300
 (B) First Initial Flow 42 Jars 250 T-Started 0446
 (C) First Final Flow 64 Safety Joint 75 T-Open 0621
 (D) Initial Shut-In 824 Circ Sub _____ T-Pulled 0921
 (E) Second Initial Flow 107 Hourly Standby _____ T-Out 1130
 (F) Second Final Flow 129 Mileage 56 RT 56 Comments _____
 (G) Final Shut-In 820 Sampler _____
 (H) Final Hydrostatic 1147 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____

Initial Open 30
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 60
 Sub Total 0
 Total 1581
 MP/DST Disc't _____
 Sub Total 1581

Approved By Roger Our Representative Jimmy Dickel

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TRILOBITE TESTING INC.

34341

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

Well Name & No. Braun Scally A #2 Test No. 3 Date 8-27-19
 Company Vess Oil Corp. Zone Tested Arbuckle
 Address 1700 N. Waterfront Parkway Building Elevation 1227 KB 1218 GL
 Co. Rep / Geo. 500 Pylan Klaus / Roger Martin Wichita, KS 67206-6619 Rig C+G Drilling #2
 Location: Sec. 16 Twp. 28 S Rge. 4 E Co. Butler State KS
 Comment: Times - 15-45-30-64

Interval Tested 2470-2478 Drill Pipe Size 2207 9.3
 Anchor Length 8' Wt. Pipe Run 0 66
 Top Packer Depth 2465 Drill Collar Run 245 8.8
 Bottom Packer Depth 2470 Ft. Run 900
 Total Depth 2478 Recorder #(s) _____
 Blow Description IF - Strong blow throughout IFP
FF - Strong blow throughout FFP
IH - 1196 Reversed out into Vac. Truck
FH - 1146

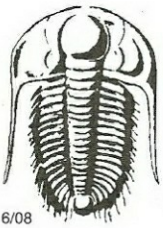
Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
Rec. <u>690</u>	Feet of <u>clean oil</u>	%gas <u>100%</u> oil	%water %mud
Rec. <u>1540</u>	Feet of <u>OST+VS MCW</u>	%gas <u>1</u> %oil <u>95%</u> water	<u>4</u> %mud
Rec. <u>TS</u>	Feet of <u>SO+MCW</u>	%gas <u>6</u> %oil <u>89%</u> water	<u>5</u> %mud
Rec. _____	Feet of _____	%gas _____ %oil _____	%water %mud
Rec. _____	Feet of _____	%gas _____ %oil _____	%water %mud

BHT 107 °F Gravity _____ °API D @ _____ °F Corrected Gravity 33.6 °API
 RW 0.435 @ 55.8 °F Chlorides 15,000 ppm Recovery _____ Chlorides _____ ppm System

IF <u>432-667</u>	<input checked="" type="checkbox"/> Test 1200	<input type="checkbox"/> Sampler _____	<input type="checkbox"/> Day Standby _____
ISI <u>1021</u>	<input checked="" type="checkbox"/> Jars 250	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Accessibility _____
FF <u>707-969</u>	<input checked="" type="checkbox"/> Safety Joint 75	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Shale Packer _____
FSI <u>1023</u>	<input checked="" type="checkbox"/> Circ Sub 50	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Ruined Packer _____
T-on Loc <u>1915</u>	<input type="checkbox"/> Hourly Standby _____	<input type="checkbox"/> Extra Recorder _____	<input type="checkbox"/> Extra Copies _____
T-started <u>1959</u>	<input checked="" type="checkbox"/> Mileage 56 <u>RT 56</u>	<input type="checkbox"/> Other _____	
T-open <u>2110</u>			
T-pulled <u>2344</u>	Sub Total <u>1581</u>	Sub Total _____	Sub Total _____
T-out <u>0450</u>			Total <u>1581</u>

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Approved By Roger Martin Our Representative Jimmy Albert



TRILOBITE TESTING INC.

34342

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

Well Name & No. Braun Sully A #2 Test No. 4 Date 8-28-19
 Company Vess Oil Corp. 1700 N Waterfront Zone Tested Ar buckle
 Address Parkway Building 500 Wichita, KS 67206-6619 Elevation 1227 KB 1218 GL
 Co. Rep / Geo. Dylan Klaus / Roger Martin Rig C+G #2
 Location: Sec. 16 Twp. 28 S Rge. 4 E Co. Butler State KS
 Comment: Times: 30-45-45-60 IH-1194 FH-1152 Mud

Interval Tested 2488-2496 Drill Pipe Size 2238 9.4
 Anchor Length 8 Wt. Pipe Run 0 48
 Top Packer Depth 2483 Drill Collar Run 245 9.6
 Bottom Packer Depth 2488 Ft. Run 2506
 Total Depth 2496 Recorder #(s) _____

Blow Description IF-weak blow building to strong blow 5 mins. into FFP
Continuing to build to 75 inches
FF-weak blow building to strong blow 6 mins. into FFP
Continuing to build to 115 inches

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
Rec. <u>1</u>	Feet of <u>Clean Oil</u>	%gas <u>100%</u> oil	%water _____ %mud _____
Rec. <u>1009</u>	Feet of <u>OTMSW</u>	%gas <u>1%</u> oil <u>97%</u>	%water <u>97%</u> %mud <u>2%</u>
Rec. <u>TS</u>	Feet of <u>Trace O VS MEW</u>	%gas <u>TR</u> oil <u>97%</u>	%water <u>97%</u> %mud <u>3%</u>
Rec. _____	Feet of _____	%gas _____ oil _____	%water _____ %mud _____
Rec. _____	Feet of _____	%gas _____ oil _____	%water _____ %mud _____

BHT _____ °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW 0.380 @ 71.0 °F Chlorides 18000 ppm Recovery _____ Chlorides _____ ppm System

IF <u>34-257</u>	<input checked="" type="checkbox"/> Test 1200	<input type="checkbox"/> Sampler _____	<input type="checkbox"/> Day Standby _____
ISI <u>1031</u>	<input checked="" type="checkbox"/> Jars 250	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Accessibility _____
FF <u>264-469</u>	<input type="checkbox"/> Safety Joint _____	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Shale Packer _____
FSI <u>1032</u>	<input type="checkbox"/> Circ Sub _____	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Ruined Packer _____
T-on Loc <u>1630</u>	<input type="checkbox"/> Hourly Standby _____	<input type="checkbox"/> Extra Recorder _____	<input type="checkbox"/> Ruined Packer _____
T-started <u>1632</u>	<input checked="" type="checkbox"/> Mileage <u>56</u> <u>RTS6</u>	<input type="checkbox"/> Other _____	<input type="checkbox"/> Extra Copies _____
T-open <u>1825</u>			
T-pulled <u>2125</u>	Sub Total <u>1506</u>	Sub Total _____	Sub Total _____
T-out <u>2330</u>			Total <u>1506</u>

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Approved By Roger Martin Our Representative Jimmy Roberts



HURRICANE SERVICES INC

Customer	Vess Oil	Lease & Well #	Brown - Scully A2	Date	8/23/2019
Service District	El Dorado, KS	County & State	Butler Co., KS	Legals S/T/R	
Job Type	Surface	<input checked="" type="checkbox"/> PROD	<input type="checkbox"/> INJ	<input type="checkbox"/> SWD	New Well? <input checked="" type="checkbox"/> YES <input type="checkbox"/> No
Equipment #	Driver	Job Safety Analysis - A Discussion of Hazards & Safety Procedures			

265	Kevin	<input checked="" type="checkbox"/> Hard hat	<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Lockout/Tagout	<input type="checkbox"/> Warning Signs & Flagging
241	Garrett	<input checked="" type="checkbox"/> H2S Monitor	<input checked="" type="checkbox"/> Eye Protection	<input type="checkbox"/> Required Permits	<input type="checkbox"/> Fall Protection
77	Jake H	<input checked="" type="checkbox"/> Safety Footwear	<input checked="" type="checkbox"/> Respiratory Protection	<input type="checkbox"/> Slip/Trip/Fall Hazards	<input type="checkbox"/> Specific Job Sequence/Expectations
		<input checked="" type="checkbox"/> FRC/Protective Clothing	<input type="checkbox"/> Additional Chemical/Acid PPE	<input type="checkbox"/> Overhead Hazards	<input type="checkbox"/> Muster Point/Medical Locations
		<input checked="" type="checkbox"/> Hearing Protection	<input type="checkbox"/> Fire Extinguisher	<input type="checkbox"/> Additional concerns or issues noted below	

Comments

Product/Service Code	Description	Unit of Measure	Quantity	Net Amount
M010	Heavy Equipment Mileage	mi	30.00	\$108.00
M025	Ton Mileage- Minimum	each	1.00	\$270.00
C010	Cement Pump	ea	1.00	\$875.00
cp015	H-325	sack	150.00	\$2,700.00

Customer Section: On the following scale how would you rate Hurricane Services?

Based on this job, how likely is it you would recommend HSI to a colleague?					Total Taxable	\$	Tax Rate:		Net:	\$3,753.00					
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>					State tax laws deem certain products and services used on new wells to be sales tax exempt. Hurricane Services relies on the customer provided well information above to make a determination if services and/or products are tax exempt.										
Unlikely	1	2	3	4	5	6	7	8	9	10	Extremely Likely	Sale Tax:	\$	Total:	\$ 3,753.00
HSI Representative: Jake Heard															

TERMS: Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 1/4% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Any discount is based on 30 days net payment terms or cash. **DISCLAIMER NOTICE:** Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations made concerning the results from the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of future production performances. Customer represents and warrants that well and all associated equipment in acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well information in determining taxable services.

[Handwritten Signature]
CUSTOMER AUTHORIZATION SIGNATURE

ATTACHMENT TO ACO-1

Brown-Scully A #2 - API #15-015-24129-0000

100' FNL & 2170' FEL

Sec 16-28S-4E

Butler Co, KS

DST #1:	Upper Kansas City		
Depth:	2004 - 2020'		
1st Open:	Very weak surface blow dying to no blow during IFP.		
2nd Open:	Very weak surface blow dying to no blow during FFP.		
Rec:	5' of drilling mud (100% M)		
IHP:	955	FHP:	922 psi
IFP:	20-21 psi	FFP:	25-27 psi
ISIP:	125 psi	FSIP:	51 psi
Temp:	98*		

DST #2:	Simpson SS & Arbuckle		
Depth:	2441-2470'		
1st Open:	Weak blow building to 7 inches during IFP.		
2nd Open:	Weak blow building to 6 inches during FFP		
Rec:	5' clean oil (100% O), 150' OSM (2% O, 98% M), 110' OSHMCW (1% O, 52% W, 47% M)		
IHP:	1199	FHP:	1147 psi
IFP:	42-64 psi	FFP:	107-129 psi
ISIP:	824 psi	FSIP:	820 psi
Temp:	106*		

DST #3:	Arbuckle		
Depth:	2470-2478'		
1st Open:	Strong blow throughout IFP.		
2nd Open:	Strong blow throughout FFP		
Rec:	690' clean oil (100% O), 1540' OS&VSMCW (1% O, 95% W, 4% M)		
IHP:	1196	FHP:	1146 psi
IFP:	432-667 psi	FFP:	707-969 psi
ISIP:	1021 psi	FSIP:	1023 psi
Temp:	107*		

DST #4:	Arbuckle		
Depth:	2488 - 2496'		
1st Open:	Weak blow building to strong blow in 5 min; built to 75".		
2nd Open:	Weak blow building to strong blow in 6 min; built to 115".		
Rec:	1' clean oil (100% O), 1009' O&MSW (1% O, 2% M, 97% W)		
IHP:	1194 psi	FHP:	1152 psi
IFP:	34-257 psi	FFP:	264-469 psi
ISIP:	1031 psi	FSIP:	1032 psi
Temp:	108*		

Brown-Scully A #2 (sample)		
Estimated Tops	KB 1223	
Zone	Depth	(Datum)
OREAD	1386	(-163)
HEEBNER	1425	(-202)
LANSING	1652	(-429)
KANSAS CITY	2001	(-778)
STARK	2118	(-895)
B/KANSAS CITY	2205	(-982)
CHECKERBOARD	2237	(-1014)
ALTAMONT	2288	(-1065)
PAWNEE	2324	(-1101)
CHEROKEE	2372	(-1149)
ARDMORE	2435	(-1212)
BASAL SIMP SAND	2464	(-1241)
ARBUCKLE	2467	(-1244)
PTD	2496	(-1273)



HURRICANE SERVICES INC

Customer	Vess Oil	Lease & Well #	Brown - Scully A2	Date	8/23/2019
Service District	El Dorado, KS	County & State	Butler Co., KS	Legals S/T/R	
Job Type	Surface	<input checked="" type="checkbox"/> PROD	<input type="checkbox"/> INJ	<input type="checkbox"/> SWD	New Well? <input checked="" type="checkbox"/> YES <input type="checkbox"/> No
Job #					ICT 2287
Ticket #					ICT 2287

Equipment #	Driver	Job Safety Analysis - A Discussion of Hazards & Safety Procedures			
265	Kevin	<input checked="" type="checkbox"/> Hard hat	<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Lockout/Tagout	<input type="checkbox"/> Warning Signs & Flagging
241	Garrett	<input checked="" type="checkbox"/> H2S Monitor	<input checked="" type="checkbox"/> Eye Protection	<input type="checkbox"/> Required Permits	<input type="checkbox"/> Fall Protection
77	Jake H	<input checked="" type="checkbox"/> Safety Footwear	<input checked="" type="checkbox"/> Respiratory Protection	<input type="checkbox"/> Slip/Trip/Fall Hazards	<input type="checkbox"/> Specific Job Sequence/Expectations
		<input checked="" type="checkbox"/> FRC/Protective Clothing	<input type="checkbox"/> Additional Chemical/Acid PPE	<input type="checkbox"/> Overhead Hazards	<input type="checkbox"/> Muster Point/Medical Locations
		<input checked="" type="checkbox"/> Hearing Protection	<input type="checkbox"/> Fire Extinguisher	<input type="checkbox"/> Additional concerns or issues noted below	

Comments

Product/ Service Code	Description	Unit of Measure	Quantity	List Price/Unit	Gross Amount	Item Discount	Net Amount
M010	Heavy Equipment Mileage	mi	30.00				
M025	Ton Mileage- Minimum	each	1.00				
C010	Cement Pump	ea	1.00				
cp015	H-325	sack	150.00				
+							

Customer Section: On the following scale how would you rate Hurricane Services Inc.?				Gross:		Net:	\$3,753.00
				Total Taxable	\$ -	Tax Rate:	
Based on this job, how likely is it you would recommend HSI to a colleague?				State tax laws deem certain products and services used on new wells to be sales tax exempt. Hurricane Services relies on the customer provided well information above to make a determination if services and/or products are tax exempt.		Sale Tax:	\$ -
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>						Total:	\$ 3,753.00
Unlikely 1 2 3 4 5 6 7 8 9 10 Extremely Likely				HSI Representative: Jake Heard			

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X _____ **CUSTOMER AUTHORIZATION SIGNATURE**



CEMENT TREATMENT REPORT					
Customer:	Vess Oil	Well:	Brown - Scully A2	Ticket:	ICT 2287
City, State:		County:	Butler, KS	Date:	8/23/2019
Field Rep:	Judd	S-T-R:	16-28s-4e	Service:	Surface

Downhole Information		Slurry		Cement Blend		
Hole Size:	12.25 in	Weight:	14.5 # / sx	Product	%	#
Hole Depth:	268 ft	Water / Sx:	7.44 gal / sx	Class A	100.0	14100
Casing Size:	8.625 in	Yield:	1.49 ft ³ / sx	Gel	2.0	282
Casing Depth:	254.37 ft	Bbls / Ft.:	0.0735	CaCl	3.0	423
Tubing / Liner:	in	Depth:	268 ft	Metso		
Depth:	ft	Volume:	19.69 bbls	KoISeal		
Tool / Packer:		Excess:	100% %	PhenoSeal	0.5	75
Depth:	ft	Total Slurry:	37.15 bbls	Salt		
Displacement:	15.56 bbls	Total Sacks:	150 sx	Flyash		
				Total	14,880	

TIME	RATE	PSI	BBLs	REMARKS	TIME	RATE	PSI	BBLs	REMARKS
				On location safety meeting					
				Spot in and rig up					
				Hook up to casing					
	3.0	150.0	5.0	Break circulation					
	3.0	150.0	5.0	Pump dyed water					
	3.0	100.0	37.2	Mix and pump 150 sx cement					
				Stop					
	3.0	150.0		Wash and pump displacement					
	3.0	200.0	15.6	Displace					
				Stop					
		200.0		Shut in well					

CREW		UNIT	SUMMARY		
Cementer:	Jake H	77	Average Rate	Average Pressure	Total Fluid
Pump Operator:	Kevin	265	3 bpm	158.33 psi	62.75 bbls
Bulk #1:	Garrett	241			
Bulk #2:					