

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>

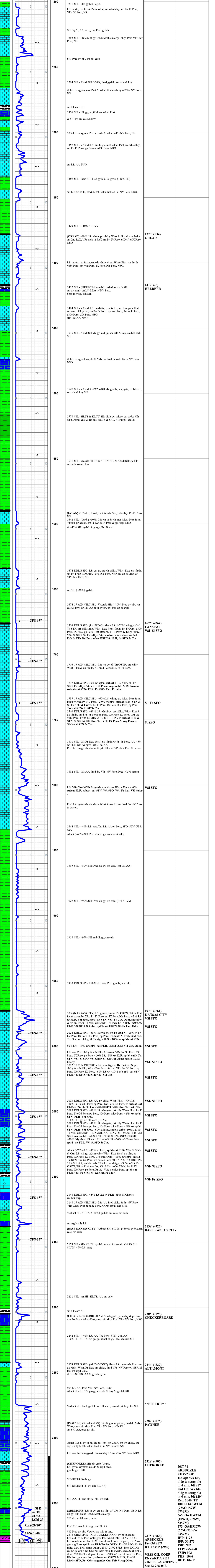
TUBING RECORD:	Size:	Set At:	Packer At:	
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GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

COMPANY VESS OIL CORPORATION		ELEVATIONS	
LEASE ENYART A 117		KB 1412'	GL 1403'
FIELD EL DORADO		Measurements Are All From KB	
LOCATION 2160' FSL & 430' FWL		API # 15-015-24128-0000	
SECTION 12 TOWNSHIP 26S RANGE 04E		CONTRACTOR C&G DRILLING, RIG #2	
COUNTY BUTLER STATE KANSAS		SPUD 08/15/2019 COMP 08/18/2019	
CONTRACTOR C&G DRILLING, RIG #2		CASING	
RTD 2380' LTD N/A		SURFACE 6 Jts 8.5/8" 230' FL S	
No Open Hole E-logs		casing set @ 254' w/150 xx	
ELECTRICAL SURVEYS		PRODUCTION N/A-P&A	

FORMATION TOPS	LOG	SAMPLES	CHRONOLOGY
OREAD	--	1378' (+34)	08/14/2019- Finish MIRU C&G Drilling, Rig #2
HEEBNER	--	1417' (-5)	08/15/2019- SPUD well, DTD 268', CTCL, POOH. Run 6 Jts 8.5/8", 230#/ft LS casing. Set casing @ 254', mixed & pumped 150 xx cement & Cure to pits. Plug down @ 51M.
LANSING	--	1676' (-264)	
KANSAS CITY	--	1973' (-661)	
BASE KANSAS CITY	--	2138' (-726)	08/16/2019- Drilled out under surface. DTD 935' @ 7:40AM.
CHECKERBOARD	--	2205' (-793)	08/17/2019- DTD 2225' @ 7:45AM. Bit Trip @ 2274'. RH1 w/ tri-cone bit. Mud wt 9.5 ppg, 35 vis, 1# LCM.
HEPLER SAND	--	NONE	
ALTAMONT	--	2244' (-832)	08/18/2019- DTD 2380', Run DST #1- Arbuclle. Mud wt 9.3 ppg, 50 vis, 1# LCM. Prepare to P&A well. MIRU HSI.
PAWNEE	--	2287' (-875)	
CHEROKEE	--	2318' (-906)	
ARDMORE	--	NONE	
ARBUCCKLE	--	2375' (-963)	
RTD/LTD	--	2380' (-968)	

REMARKS:
The decision was made to P&A the VOC Enyart 'A' #117 test well.
Respectfully submitted,
Roger L. Martin, Geologist (wellbite)





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Vess Oil Corporation

12/26S/4E Butler, KS

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

Enyart A #107

Job Ticket: 63948

DST#: 1

Test Start: 2019.08.18 @ 06:15:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:54:00

Time Test Ended: 14:04:09

Test Type: Conventional Bottom Hole (Initial)

Tester: Jimmy Ricketts

Unit No: 65

Interval: 2314.00 ft (KB) To 2380.00 ft (KB) (TVD)

Reference Elevations: 1412.00 ft (KB)

Total Depth: 2380.00 ft (KB) (TVD)

1403.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

Serial #: 8369

Press@RunDepth: 477.69 psig @ ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.08.18

End Date: 2019.08.18

Last Calib.: 1899.12.30

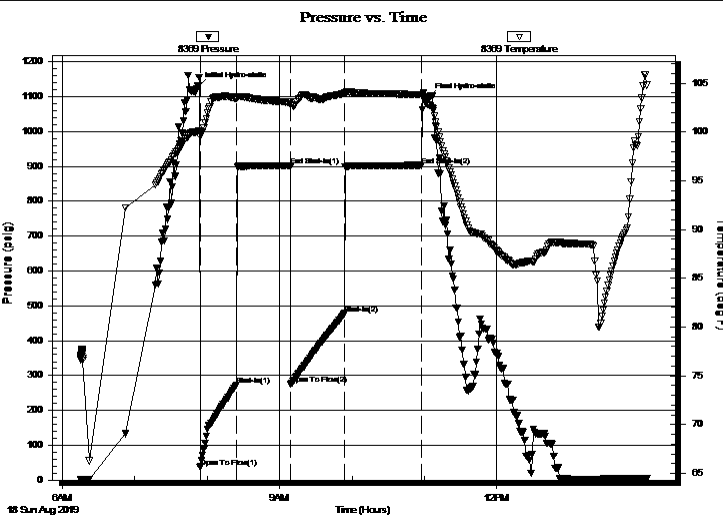
Start Time: 06:15:01

End Time: 14:04:10

Time On Btm: 2019.08.18 @ 07:52:30

Time Off Btm: 2019.08.18 @ 11:03:20

TEST COMMENT: IF -Weak blow building to strong blow 4 minutes into initial flow period. Continuing to build to 81 inches.
FF - Weak blow building to strong blow 5 minutes into final flow period. Continuing to build to 129 inches.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1128.28	100.07	Initial Hydro-static
2	36.15	99.52	Open To Flow (1)
32	273.48	103.43	Shut-In (1)
77	902.04	103.04	End Shut-In (1)
77	275.44	102.81	Open To Flow (2)
122	477.69	103.95	Shut-In (2)
185	902.80	103.80	End Shut-In (2)
191	1096.14	102.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
375.00	O&HMCW 6%O 71%W & 23%M	3.03
565.00	O&HWCM 10%O 38%W & 52%M	7.93
100.00	SO&SWCM 2%O 1% W & 97%M	1.40

Gas Rates

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



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TESTING, INC.**

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Serial #: 8369

Press@RunDepth: 477.69 psig @ ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.08.18

End Date: 2019.08.18

Last Calib.: 1899.12.30

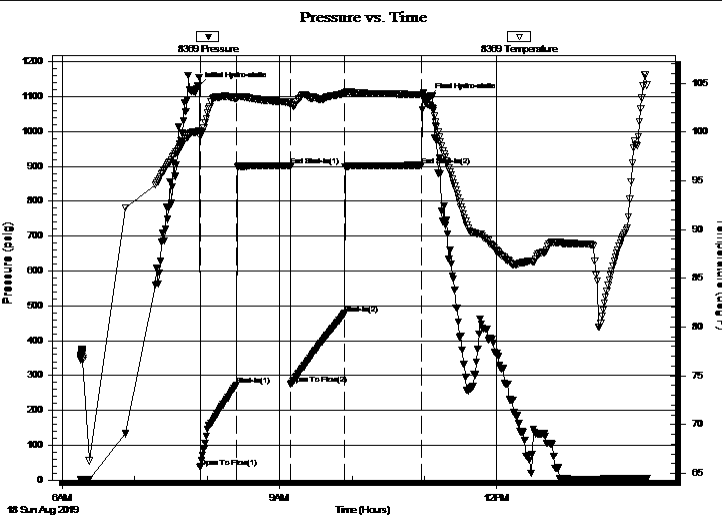
Start Time: 06:15:01

End Time: 14:04:10

Time On Btm: 2019.08.18 @ 07:52:30

Time Off Btm: 2019.08.18 @ 11:03:20

TEST COMMENT: IF -Weak blow building to strong blow 4 minutes into initial flow period. Continuing to build to 81 inches.
FF - Weak blow building to strong blow 5 minutes into final flow period. Continuing to build to 129 inches.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1128.28	100.07	Initial Hydro-static
2	36.15	99.52	Open To Flow (1)
32	273.48	103.43	Shut-In(1)
77	902.04	103.04	End Shut-In(1)
77	275.44	102.81	Open To Flow (2)
122	477.69	103.95	Shut-In(2)
185	902.80	103.80	End Shut-In(2)
191	1096.14	102.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
375.00	O&HMCW 6%O 71%W & 23%M	3.03
565.00	O&HWCM 10%O 38%W & 52%M	7.93
100.00	SO&SWCM 2%O 1% W & 97%M	1.40

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Vess Oil Corporation

12/26S/4E Butler, KS

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

Enyart A #107

Job Ticket: 63948

DST#: 1

Test Start: 2019.08.18 @ 06:15:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 46.00 sec/qt

Water Loss: 7.99 in³

Resistivity: ohm.m

Salinity: 1000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: deg API

Water Salinity: 9000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
375.00	O&HMCW 6%O 71%W &23%M	3.028
565.00	O&HWCM 10%O 38%W & 52%M	7.925
100.00	SO&SWCM 2%O 1% W & 97%M	1.403

Total Length: 1040.00 ft Total Volume: 12.356 bbl

Num Fluid Samples: 0

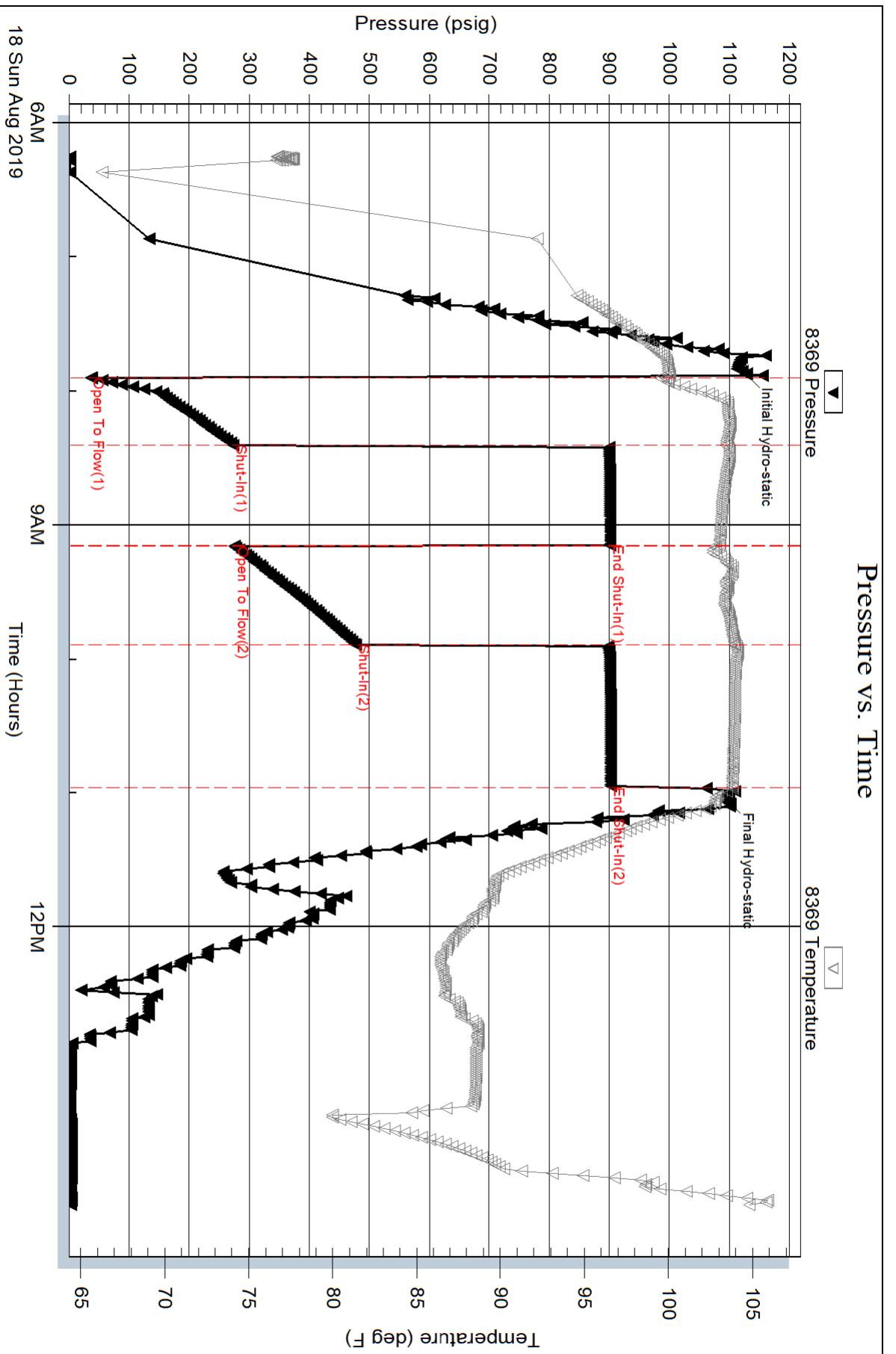
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



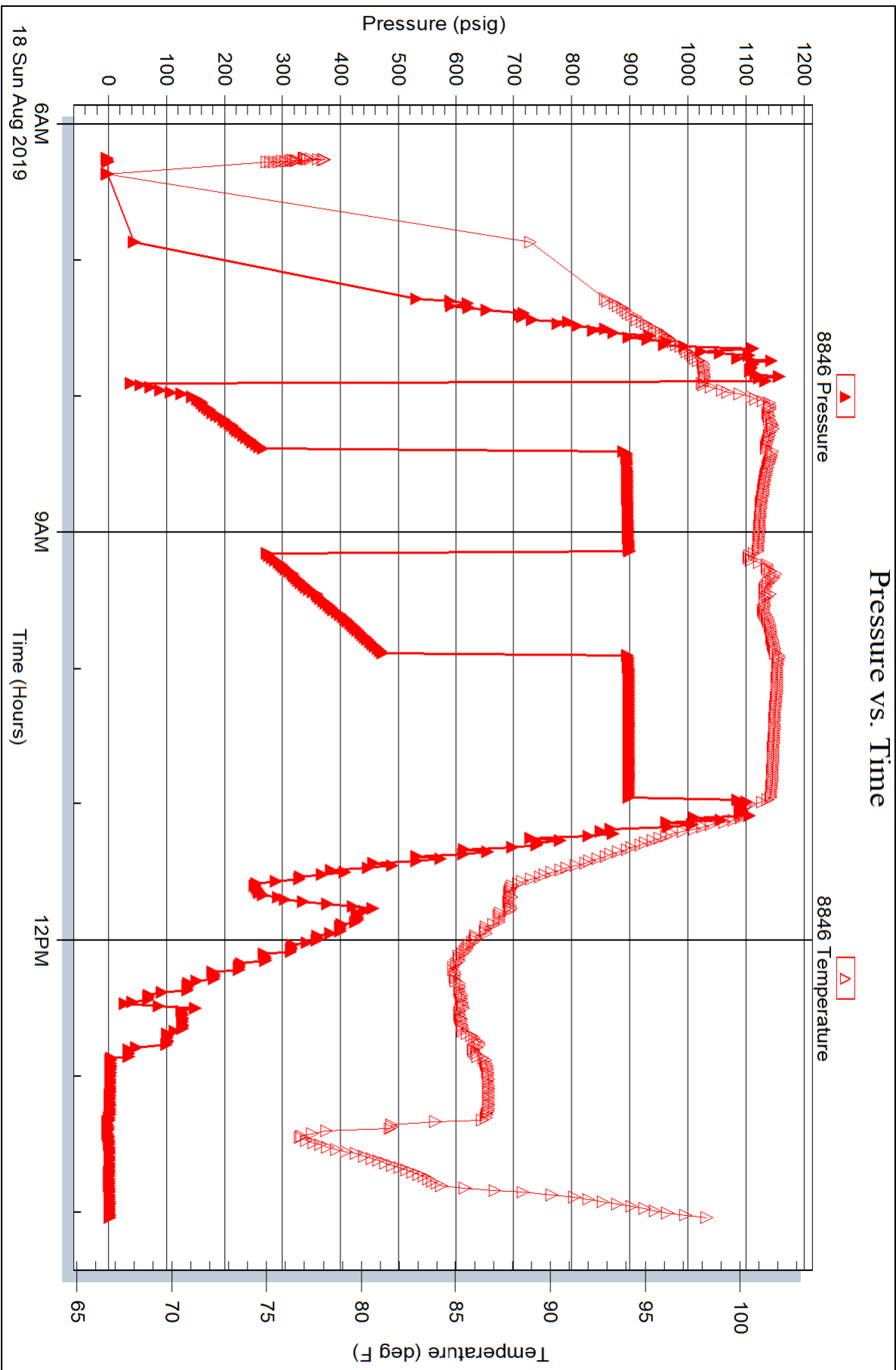
Serial #: 8846

Inside

Vess Oil Corporation

Enyart A #107

DST Test Number: 1



ATTACHMENT TO ACO-1

Enyart A #117 – API #15-015-24128-0000

2160' FSL & 430' FWL
 Sec 12-26S-4E
 Butler Co, KS

DST #1:	Arbuckle		
Depth:	2314 - 2380'		
1st Open:	Weak blow building to strong blow 4 min. Built to 81".		
2nd Open:	Weak blow building to strong blow in 6 min. Built to 129".		
Rec:	100' of SO&SWCM (2%O, 1%W, 97%M), 565' O&HWCM (10%O, 38%W, 52%M), 375' O&HMCW (6%O, 71%W, 23%M)		
IHP:	1128	FHP:	1096 psi
IFP:	36-273 psi	FFP:	275-478 psi
ISIP:	902 psi	FSIP:	903 psi
Temp:	104*		

Enyart A #117 (sample)		
KB 1412		
Estimated Tops		
Zone	Depth	(Datum)
OREAD	1380	(+32)
HEEBNER	1417	(-5)
LANSING	1676	(-264)
KANSAS CITY	1973	(-561)
B/KANSAS CITY	2138	(-726)
CHECKERBOARD	2205	(-793)
HEPLER SAND	NONE	NA
ALTAMONT	2244	(-832)
PAWNEE	2287	(-875)
CHEROKEE	2318	(-906)
ARDMORE	NONE	NA
ARBUCKLE	2375	(-963)
PTD	2380	(-968)