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 # 5030
Name: Vess Oil Corporation
Address 1: 1700 WATERFRONT PKWY BLDG 500
Address 2:
City: WICHITA State: KS Zip: 67206 + 6619
Contact Person: Dylan Klaus
Phone: (316) 682-1537
CONTRACTOR: License # 31548
Name: Discovery Drilling
Wellsite Geologist: Roger Martin
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 #:

10/22/2016	10/31/2016	11/01/2016
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No.: 15-163-24323-00-00
Spot Description:
W2 - SE - SW - SW Sec. 7 Twp. 10 S. R. 16 ☐ East ☑ West
330 Feet from ☐ North / ☑ South Line of Section
842 Feet from ☐ East / ☑ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☐ SE ☑ SW
GPS Location: Lat: *(e.g. xx.xxxxx)*, Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Rooks
Lease Name: COMEAU Well #: 2
Field Name:
Producing Formation: Arbuckle
Elevation: Ground: 2023 Kelly Bushing: 2031
Total Vertical Depth: 3575 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 230 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: 4500 ppm Fluid volume: 400 bbls
Dewatering method used: Evaporated
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: 01/13/2017
☑ **Confidential Release Date:** 01/13/2019
☑ **Wireline Log Received** ☐ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☐ **I** ☑ **II** ☐ **III** **Approved by:** Karen Ritter **Date:** 01/18/2017

Page Two

Operator Name: Vess Oil Corporation Lease Name: COMEAU Well #: 2

Sec. 7 Twp. 10 S. R. 16 ☐ East ☑ West County: Rooks

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 ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

Geologist Report / Mud Logs ☐ Yes ☐ No

List All E. Logs Run:

Comp Density?Neutron
Micro
Dual Induction

☐ Log Formation (Top), Depth and Datum ☑ Sample

Name	Top	Datum
Topeka	2922	891

CASING RECORD ☑ New ☐ 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
Surface	12.25	8.625	23	230	common	175	2% gel, 3% cc
Production	7.875	5.5	15.5	3573	AA2	335	

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
____ Perforate ____ Protect Casing ____ Plug Back TD ____ 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: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*

PRODUCTION INTERVAL:

Top	Bottom

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)*

TUBING RECORD: Size: Set At: Packer At:

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Vess Oil Corporation
Well Name	COMEAU 2
Doc ID	1322541

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	230	common	175	2% gel, 3% cc
Production	7.875	5.5	15.5	3573	AA2	335	

ATTACHMENT TO ACO-1

Comeau #2 – API #15-163-24323-0000

Location: W2 SE SW SW Sec. 7-10S-16W
330' FSL & 842' FWL
Rooks County, KS

Elevation: 2023' GL
2031' KB

	Comeau #2							
Estimated Tops	Samples		Log Tops		Prognosis KB 2031'			
Zone:	Depth	(Datum)	Depth	(Datum)	Depth	(Datum)		
Anhydrite	1225	(+806)	1227	(+804)				
Base Anhydrite	1268	(+763)	1267	(+764)				
Topeka	2922	(-891)	2924	(-893)				
Oread	3085	(-1054)	3086	(-1055)				
Plattsmouth Por	3113	(-1082)	3014	(-1083)				
Heebner	3149	(-1118)	3151	(-1120)				
Lansing	3191	(-1160)	3193	(-1162)				
Stark	3388	(-1357)	3390	(-1359)				
B/KC	3432	(-1401)	3434	(-1403)				
Arbuckle	3567	(-1536)	3570	(-1539)				
RTD	3575	(-1544)	3576	(-1545)				

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

Vess Oil Corporation

1700 Waterfront PKWY
Bldg 500
Wichita Ks 67206-6619
ATTN: Dylan Klaus, Roger M

7-10s-16w Rooks

Comeau #2

Job Ticket: 63526 **DST#: 1**

Test Start: 2016.10.27 @ 17:10:27

GENERAL INFORMATION:

Formation: **Plattsmouth-LKC "F"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:29:22
Time Test Ended: 00:41:06

Test Type: Conventional Bottom Hole (Initial)
Tester: Ray Schwager
Unit No: 77

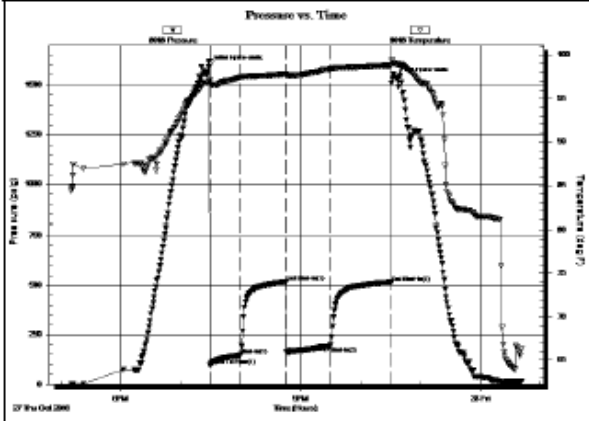
Interval: 3105.00 ft (KB) To 3287.00 ft (KB) (TVD)
Total Depth: 3287.00 ft (KB) (TVD)
Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 2131.00 ft (KB)
2123.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8018 **Inside**

Press@RunDepth:	192.53 psig @	3108.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2016.10.27	End Date:	2016.10.28	Last Calib.:	2016.10.27
Start Time:	17:10:27	End Time:	00:41:06	Time On Btm:	2016.10.27 @ 19:28:22
				Time Off Btm:	2016.10.27 @ 22:35:21

TEST COMMENT: 30-IFP-w k to a gd bl 1"to6 1/2"bl
45-ISIP-no bo bk
45-FFP-surface to 4"blow
60-FSIP-no bl bk



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1592.31	97.00	Initial Hydro-static
1	95.94	96.55	Open To Flow (1)
32	148.28	97.44	Shut-In(1)
77	515.05	97.82	End Shut-In(1)
78	161.14	97.70	Open To Flow (2)
122	192.53	98.40	Shut-In(2)
183	514.52	98.81	End Shut-In(2)
187	1533.36	99.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	HO&GCM 10%G30%O60%M	0.88
62.00	HO&GCM 5%G25%O70%M	0.44
40.00	OCM 15%O85%M	0.35
0.00	Tool Sample 20%G25%O55%M	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

Vess Oil Corporation
1700 Waterfront PKWY
Bldg 500
Wichita Ks 67206-6619
ATTN: Dylan Klaus, Roger M

7-10s-16w Rooks

Comeau #2

Job Ticket: 63527 **DST#: 2**

Test Start: 2016.10.28 @ 09:30:10

GENERAL INFORMATION:

Formation: **LKC "G"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:23:35
Time Test Ended: 16:29:19

Test Type: Conventional Bottom Hole (Reset)
Tester: Ray Schw ager
Unit No: 77

Interval: 3290.00 ft (KB) To 3305.00 ft (KB) (TVD)
Total Depth: 3305.00 ft (KB) (TVD)
Hole Diameter: 7.85 inches Hole Condition: Fair

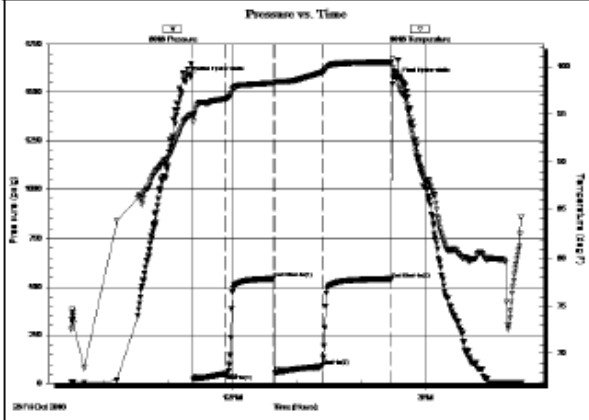
Reference Elevations: 2131.00 ft (KB)
2123.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8018 **Inside**

Press@RunDepth: 90.85 psig @ 3291.00 ft (KB)
Start Date: 2016.10.28 End Date: 2016.10.28
Start Time: 09:30:10 End Time: 16:29:19

Capacity: 8000.00 psig
Last Calib.: 2016.10.28
Time On Btm: 2016.10.28 @ 11:21:05
Time Off Btm: 2016.10.28 @ 14:33:34

TEST COMMENT: 30-IFP-w k to BOB blow in 16min
45-ISIP-no bl bk
45-FFP-w k to BOB blow in 10min
60-FSIP-2" bl bk



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1577.81	94.93	Initial Hydro-static
3	20.97	94.18	Open To Flow (1)
33	50.16	96.66	Shut-In(1)
78	542.82	98.28	End Shut-In(1)
79	55.68	98.27	Open To Flow (2)
123	90.85	99.41	Shut-In(2)
188	541.84	100.45	End Shut-In(2)
193	1568.42	99.23	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
42.00	VGMO 50%G10%M40%O	0.30
175.00	CO	1.24
0.00	650' GIP	0.00

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

Vess Oil Corporation
1700 Waterfront PKWY
Bldg 500
Wichita Ks 67206-6619
ATTN: Dylan Klaus, Roger M

7-10s-16w Rooks

Comeau #2

Job Ticket: 63528 **DST#: 3**

Test Start: 2016.10.29 @ 09:10:19

GENERAL INFORMATION:

Formation: **LKC base**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:13:59
Time Test Ended: 16:13:58

Test Type: Conventional Bottom Hole (Reset)
Tester: Ray Schw ager
Unit No: 77

Interval: 3313.00 ft (KB) To 3450.00 ft (KB) (TVD)
Total Depth: 3450.00 ft (KB) (TVD)
Hole Diameter: 7.85 inches Hole Condition: Fair

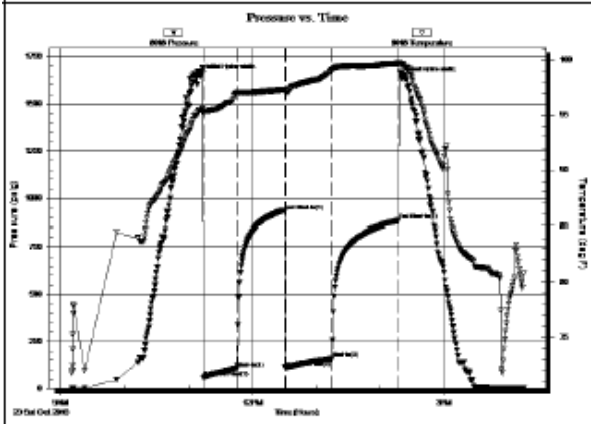
Reference Elevations: 2131.00 ft (KB)
2123.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8018 **Inside**

Press@RunDepth: 158.38 psig @ 3318.00 ft (KB)
Start Date: 2016.10.29 End Date: 2016.10.29
Start Time: 09:10:19 End Time: 16:13:58

Capacity: 8000.00 psig
Last Calib.: 2016.10.29
Time On Btm: 2016.10.29 @ 11:11:29
Time Off Btm: 2016.10.29 @ 14:20:13

TEST COMMENT: 30-IFP-w k to a gd bl , 1/2"to 6"bl
45-ISIP-no bl bk
45-FFP-w k bl thru-out surface to 3"blow
60-FSIP-no bl bk



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1649.37	95.44	Initial Hydro-static
3	59.51	95.02	Open To Flow (1)
34	105.95	96.98	Shut-In(1)
79	934.09	97.32	End Shut-In(1)
79	110.71	97.05	Open To Flow (2)
123	158.38	99.04	Shut-In(2)
186	884.77	99.66	End Shut-In(2)
189	1634.74	99.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
191.00	WM 20%W80%M w /show of oil ~1%oil	1.35

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

Vess Oil Corporation
1700 Waterfront PKWY
Bldg 500
Wichita Ks 67206-6619
ATTN: Dylan Klaus, Roger M

7-10s-16w Rooks

Comeau #2

Job Ticket: 63529 **DST#: 4**

Test Start: 2016.10.30 @ 13:20:07

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:15:17
Time Test Ended: 20:16:01

Test Type: Conventional Bottom Hole (Reset)
Tester: Ray Schw ager
Unit No: 77

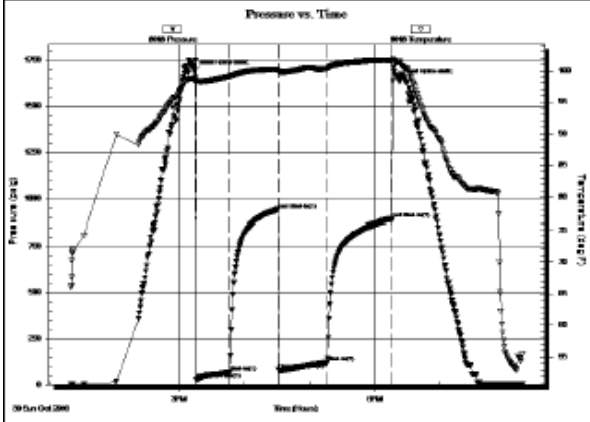
Interval: 3428.00 ft (KB) To 3575.00 ft (KB) (TVD)
Total Depth: 3575.00 ft (KB) (TVD)
Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 2131.00 ft (KB)
2123.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8018 **Inside**

Press@RunDepth:	119.88 psig @	3430.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2016.10.30	End Date:	2016.10.30	Last Calib.:	2016.10.30
Start Time:	13:20:07	End Time:	20:16:01	Time On Btm:	2016.10.30 @ 15:13:47
				Time Off Btm:	2016.10.30 @ 18:22:01

TEST COMMENT: 30-IFP-w k to a fr bl 1/2"to 5"bl
45-ISIP-no bl bk
45-FFP-w k bl thru-out surface to 2"bl
60-FSIP-no bl bk



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1689.63	98.72	Initial Hydro-static
2	29.00	98.06	Open To Flow (1)
33	69.27	99.00	Shut-In(1)
77	941.05	100.21	End Shut-In(1)
78	82.54	99.67	Open To Flow (2)
123	119.88	100.35	Shut-In(2)
182	892.07	101.52	End Shut-In(2)
189	1639.62	101.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	MW 30%M70%W	0.88
77.00	WM 25%W75%M	0.55
0.00	Tool sample 30%W70%M ~>1%oil	0.00

* Recovery from multiple tests

Gas Rates

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

ROGER L. MARTIN

WICHITA, KANSAS 67202-3208 (316) 267-4379

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY	VISTA CORPORATION	ELEVATIONS	
LEASE	"A"	KB	2991 ft. DF 2982 ft.
WELL	#1	GL	2977 ft.
LOCATION	2310 FSL & FEL	API #	15-101-20163-00-00
SECTION 31 TOWNSHIP 18S RANGE 29W			
COUNTY	LANE STATE KANSAS		
SPUD	09-20-2006 COMP. 09-29-2006		
CTD	9970 ft. ROTARY TOTAL DEPTH		
DRILLING CONTRACTOR	DUKE DRILLING CO. # 7		
MUD TYPE	FRESH WATER GEL		
DRILLING TIME RECORDED	3500 ft. TO RTD		
SAMPLES RECEIVED	3500 ft. TO RTD		
SAMPLE QUALITY	GOOD		

DRILL STEM TESTS	DATE	RECOVERY
DST #1	9/27-28/06	1000' GIP, 1000' SLOCM, 1000' SLOCW
DST #2	9/28/06	1000' GIP, 1000' SLOCM, 1000' SLOCW
DST #3	9/29/06	1000' GIP, 1000' SLOCM, 1000' SLOCW
DST #4	9/29/06	1000' GIP, 1000' SLOCM, 1000' SLOCW
DST #5	9/29/06	1000' GIP, 1000' SLOCM, 1000' SLOCW
DST #6	9/29/06	1000' GIP, 1000' SLOCM, 1000' SLOCW
DST #7	9/29/06	1000' GIP, 1000' SLOCM, 1000' SLOCW
DST #8	9/29/06	1000' GIP, 1000' SLOCM, 1000' SLOCW
DST #9	9/29/06	1000' GIP, 1000' SLOCM, 1000' SLOCW
DST #10	9/29/06	1000' GIP, 1000' SLOCM, 1000' SLOCW

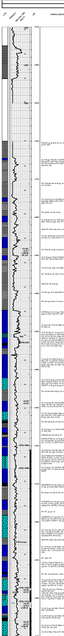
CASING	
SURFACE	8 5/8" @ 1000' W/ 450 SXS COMMON, 2% GEL, 3% CC, 1/4# FLOCELE
PRODUCTION	5 1/2" @ 9970' W/ 175 SXS COMMON, 2% GEL, 3% CC, 1/4# FLOCELE

CORRELATIONS	
TOP LANSING	3500 (-508)
TOP KANSAS CITY	3924 (-932)
TOP MARMATON	4080 (-1088)
TOP PAWNEE	4346 (-1354)
TOP FORT SCOTT	4440 (-1448)
TOP CHEROKEE SHALE	4546 (-1554)
TOP MISSISSIPPIAN	4700 (-1708)
TOP KINDERHOOK SHALE	4900 (-1908)
TOP VIOLA	4950 (-1958)
TOP SIMPSON SHALE	5150 (-2158)
TOP SIMPSON SANDSTONE	5200 (-2208)
TOP ARBUCKLE	5250 (-2258)

REMARKS:

ALL SHOWS ARE FOUND IN THE ARBUCKLE PERIOD.
ALL SHOWS ARE FOUND IN THE ARBUCKLE PERIOD.
ALL SHOWS ARE FOUND IN THE ARBUCKLE PERIOD.

RESPECTFULLY SUBMITTED,
ROGER L. MARTIN
GEOLOGIST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TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Vess Oil Corporation**

1700 Waterfront PKWY
Bldg 500
Wichita KS 67206-6619

ATTN: Dylan Klaus, Roger M

Comeau #2

7-10s-16w Rooks,KS

Start Date: 2016.10.27 @ 17:10:27
End Date: 2016.10.28 @ 00:41:06
Job Ticket #: 63526 DST #: 1

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

Printed: 2016.10.31 @ 11:02:16

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Vess Oil Corporation
1700 Waterfront PKWY
Bldg 500
Wichita KS 67206-6619
ATTN: Dylan Klaus, Roger M

7-10s-16w Rooks,KS

Comeau #2

Job Ticket: 63526 **DST#: 1**

Test Start: 2016.10.27 @ 17:10:27

GENERAL INFORMATION:

Formation: **Plattsmouth - LKC "F**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:29:22
Time Test Ended: 00:41:06

Test Type: Conventional Bottom Hole (Initial)
Tester: Ray Schw ager
Unit No: 77

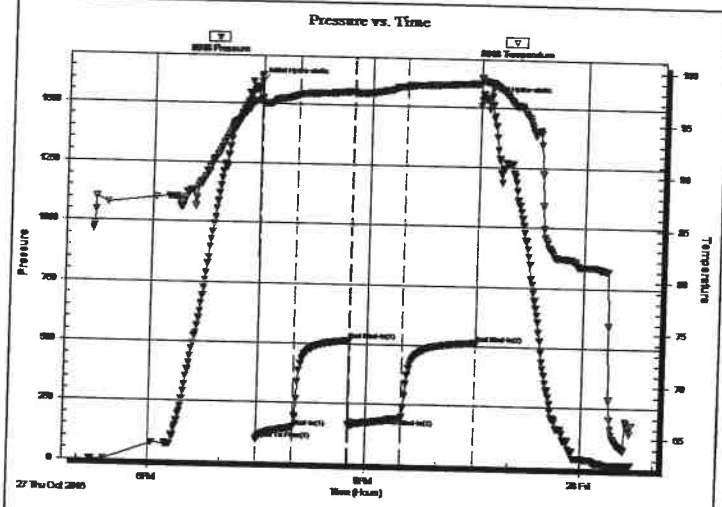
Interval: 3105.00 ft (KB) To 3287.00 ft (KB) (TVD)
Total Depth: 3287.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2131.00 ft (KB)
2123.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8018 **Inside**
Press@RunDepth: 192.53 psig @ 3108.00 ft (KB)
Start Date: 2016.10.27 End Date: 2016.10.28
Start Time: 17:10:27 End Time: 00:41:06

Capacity: 8000.00 psig
Last Calib.: 2016.10.27
Time On Btm: 2016.10.27 @ 19:28:22
Time Off Btm: 2016.10.27 @ 22:35:21

TEST COMMENT: 30-IFP-w k to a gd bl 1"to 6 1/2" bl
45-ISIP-no bo bk
45-FFP-surface to 4" blow
60-FSIP-no bl bk



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1592.31	97.00	Initial Hydro-static
1	95.94	96.55	Open To Flow (1)
32	148.28	97.44	Shut-In(1)
77	515.05	97.82	End Shut-In(1)
78	161.14	97.70	Open To Flow (2)
122	192.53	98.40	Shut-In(2)
183	514.52	98.81	End Shut-In(2)
187	1533.36	99.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	HO&GCM 10%G30%O60%M	0.88
62.00	HO&GCM 5%G25%O70%M	0.44
40.00	OCM 15%O85%M	0.35
0.00	Tool Sample 20%G25%O55%M	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Vess Oil Corporation
1700 Waterfront PKWY
Bldg 500
Wichita KS 67206-6619
ATTN: Dylan Klaus, Roger M

7-10s-16w Rooks,KS

Comeau #2

Job Ticket: 63526 **DST#: 1**

Test Start: 2016.10.27 @ 17:10:27

GENERAL INFORMATION:

Formation: **Plattsmouth - LKC "F**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:29:22
Time Test Ended: 00:41:06

Interval: 3105.00 ft (KB) To 3287.00 ft (KB) (TVD)
Total Depth: 3287.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)
Tester: Ray Schwager
Unit No: 77

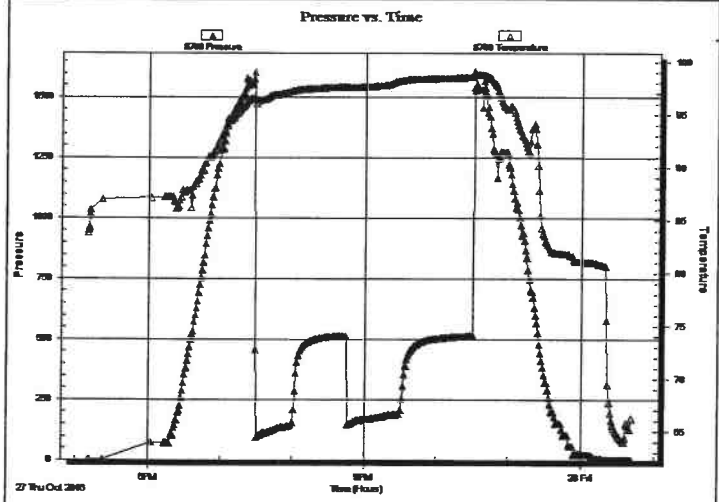
Reference Elevations: 2131.00 ft (KB)
2123.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8700 **Outside**

Press@RunDepth: psig @ 3108.00 ft (KB)
Start Date: 2016.10.27 End Date: 2016.10.28
Start Time: 17:10:23 End Time: 00:41:02

Capacity: 8000.00 psig
Last Calib.: 2016.10.27
Time On Btm:
Time Off Btm:

TEST COMMENT: 30-IFP-wk to a gd bl 1"to 6 1/2" bl
45-ISIP-no bo bk
45-FFP-surface to 4" blow
60-FSIP-no bl bk



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
124.00	HO&GCM 10%G30%O60%M	0.88
62.00	HO&GCM 5%G25%O70%M	0.44
40.00	OCM 15%O85%M	0.35
0.00	Tool Sample 20%G25%O55%M	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

TRILOBITE TESTING, INC

Vess Oil Corporation

1700 Waterfront PKWY
Bldg 500
Wichita KS 67206-6619
ATTN: Dylan Klaus, Roger M

7-10s-16w Rooks,KS

Comeau #2

Job Ticket: 63526 **DST#: 1**

Test Start: 2016.10.27 @ 17:10:27

Tool Information

Drill Pipe:	Length:	2870.00 ft	Diameter:	3.80 inches	Volume:	40.26 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length:	217.00 ft	Diameter:	2.70 inches	Volume:	1.54 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight to Pull Loose:	70000.00 lb
					Total Volume:	41.80 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		6.00 ft					String Weight: Initial	50000.00 lb
Depth to Top Packer:		3105.00 ft					Final	52000.00 lb
Depth to Bottom Packer:		ft						
Interval betw een Packers:		182.00 ft						
Tool Length:		206.00 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			3082.00		
Shut In Tool	0.00			3082.00		
Hydraulic tool	5.00			3087.00		
Jars	5.00			3092.00		
Safety Joint	3.00			3095.00		
Packer	5.00			3100.00	24.00	Bottom Of Top Packer
Packer	5.00			3105.00		
Stubb	1.00			3106.00		
Perforations	2.00			3108.00		
Recorder	0.00	8018	Inside	3108.00		
Recorder	0.00	8700	Outside	3108.00		
Blank Spacing	161.00			3269.00		
Perforations	15.00			3284.00		
Bullnose	3.00			3287.00	182.00	Bottom Packers & Anchor
Total Tool Length:	**206.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

TRILOBITE TESTING, INC

Vess Oil Corporation

1700 Waterfront PKWY
Bldg 500
Wichita KS 67206-6619
ATTN: Dylan Klaus, Roger M

7-10s-16w Rooks,KS

Comeau #2

Job Ticket: 63526 **DST#: 1**

Test Start: 2016.10.27 @ 17:10:27

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:	54.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.76 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	4200.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

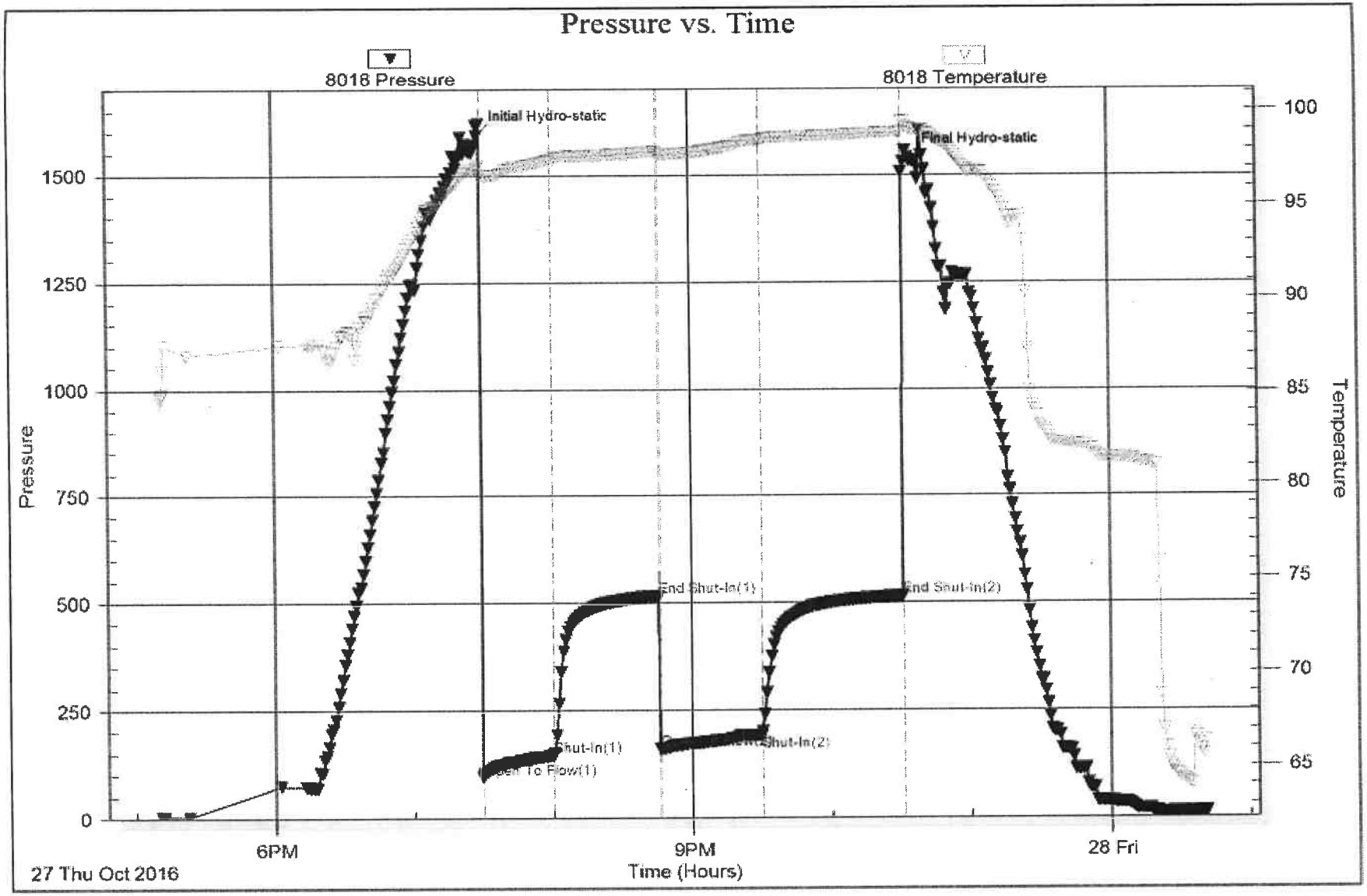
Length ft	Description	Volume bbl
124.00	HO&GCM 10%G30%O60%M	0.878
62.00	HO&GCM 5%G25%O70%M	0.439
40.00	OCM 15%O85%M	0.346
0.00	Tool Sample 20%G25%O55%M	0.000

Total Length: 226.00 ft Total Volume: 1.663 bbl

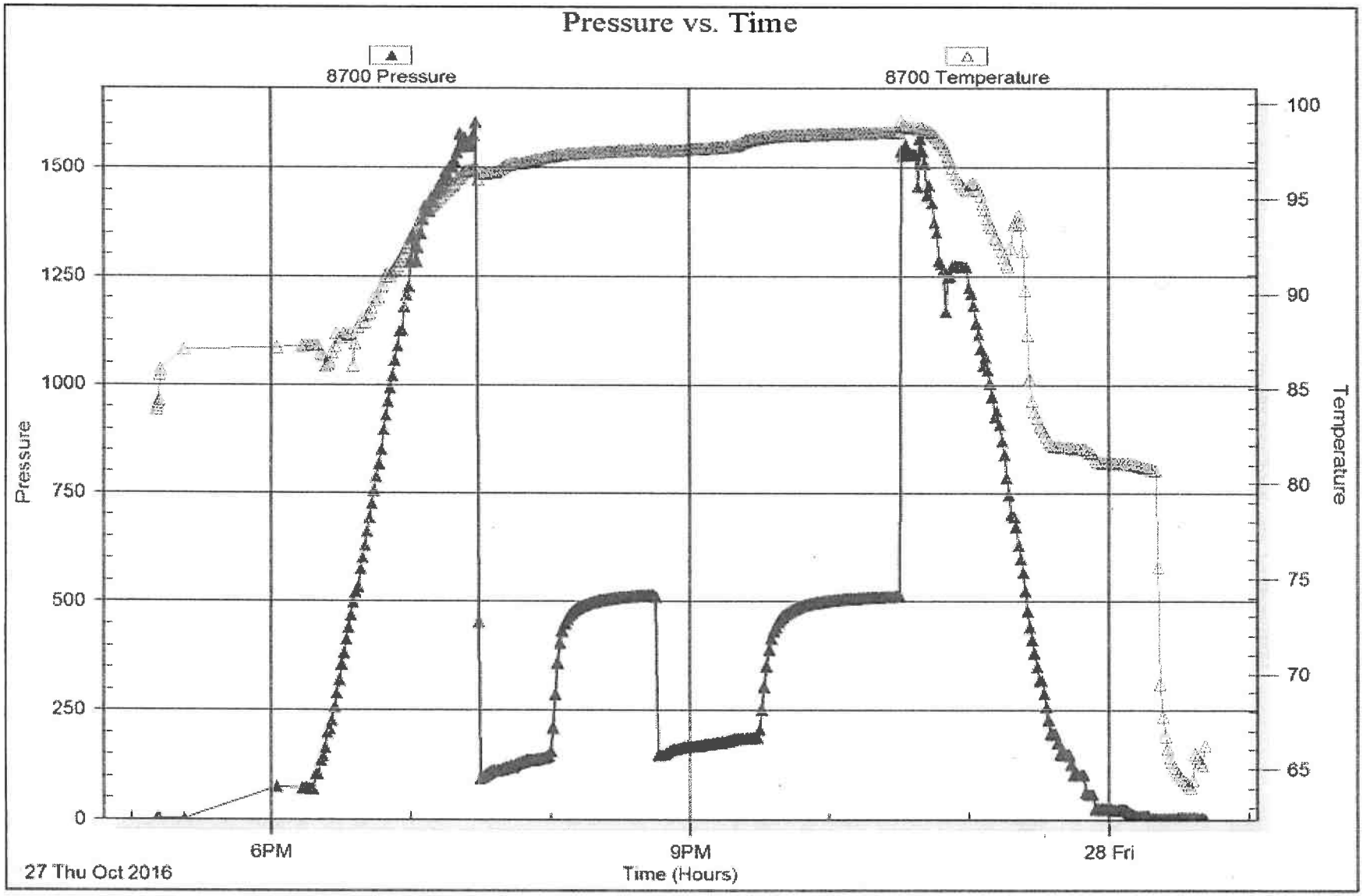
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
8018 Pressure
8018 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(1)
Shut-In(2)
Pressure
Temperature
1500
1250
1000
750
500
250
0
100
95
90
85
80
75
70
65
6PM
9PM
28 Fri
27 Thu Oct 2016
Time (Hours)

Serial #: 8700 Outside Vess Oil Corporation Comeau #2 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 63526 Printed: 2016.10.31 @ 11:02:18

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Vess Oil Corporation**

1700 Waterfront PKWY
Bldg 500
Wichita KS 67206-6619

ATTN: Dylan Klaus, Roger M

Comeau #2

7-10s-16w Rooks,KS

Start Date: 2016.10.28 @ 09:30:10
End Date: 2016.10.28 @ 16:29:19
Job Ticket #: 63527 DST #: 2

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

Printed: 2016.10.31 @ 11:01:49

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Vess Oil Corporation
1700 Waterfront PKWY
Bldg 500
Wichita KS 67206-6619
ATTN: Dylan Klaus, Roger M

7-10s-16w Rooks,KS

Comeau #2

Job Ticket: 63527 **DST#: 2**

Test Start: 2016.10.28 @ 09:30:10

GENERAL INFORMATION:

Formation: **LKC "G"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:23:35
Time Test Ended: 16:29:19

Interval: 3290.00 ft (KB) To 3305.00 ft (KB) (TVD)
Total Depth: 3305.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

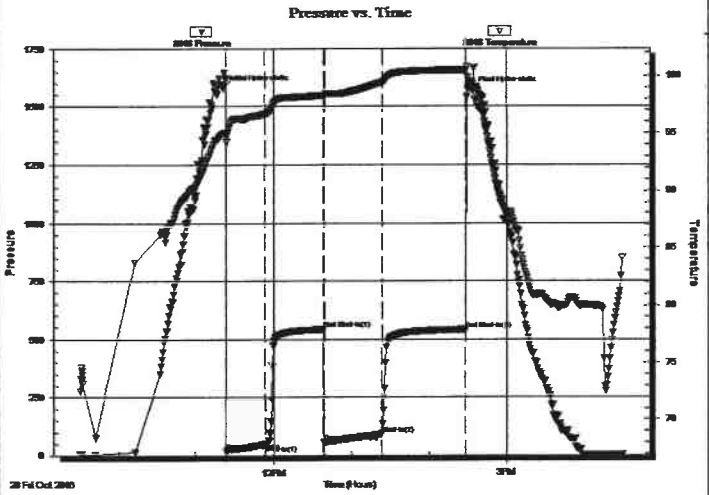
Test Type: Conventional Bottom Hole (Reset)
Tester: Ray Schwager
Unit No: 77

Reference Elevations: 2131.00 ft (KB)
2123.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8018 **Inside**

Press@RunDepth:	90.85 psig @	3291.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2016.10.28	End Date:	2016.10.28	Last Calib.:	2016.10.28
Start Time:	09:30:10	End Time:	16:29:19	Time On Btm:	2016.10.28 @ 11:21:05
				Time Off Btm:	2016.10.28 @ 14:33:34

TEST COMMENT: 30-IFP-w k to BOB blow in 16 min
45-ISIP-no bl bk
45-FFP-w k to BOB blow in 10 min
60-FSIP-2" bl bk



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1577.81	94.93	Initial Hydro-static
3	20.97	94.18	Open To Flow (1)
33	50.16	96.66	Shut-In(1)
78	542.82	98.28	End Shut-In(1)
79	55.68	98.27	Open To Flow (2)
123	90.85	99.41	Shut-In(2)
188	541.84	100.45	End Shut-In(2)
193	1568.42	99.23	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
42.00	VGMO 50%G10%M40%O	0.30
175.00	CO	1.24
0.00	650' GIP	0.00
0.00	Tool Sample 2%M98%O	0.00

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Vess Oil Corporation

1700 Waterfront PKWY
Bldg 500
Wichita KS 67206-6619
ATTN: Dylan Klaus, Roger M

7-10s-16w Rooks,KS

Comeau #2

Job Ticket: 63527 **DST#: 2**

Test Start: 2016.10.28 @ 09:30:10

GENERAL INFORMATION:

Formation: **LKC "G"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:23:35
Time Test Ended: 16:29:19

Test Type: Conventional Bottom Hole (Reset)
Tester: Ray Schw ager
Unit No: 77

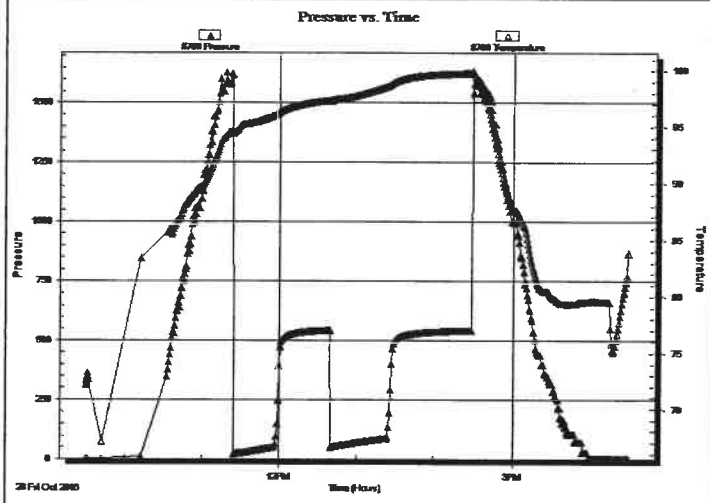
Interval: 3290.00 ft (KB) To 3305.00 ft (KB) (TVD)
Total Depth: 3305.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2131.00 ft (KB)
2123.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8700 **Outside**

Press@RunDepth:	psig @	3291.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2016.10.28	End Date:	2016.10.28	Last Calib.:	2016.10.28
Start Time:	09:30:12	End Time:	16:29:21	Time On Btm:	
				Time Off Btm:	

TEST COMMENT: 30-IFP-w k to BOB blow in 16 min
45-ISIP-no bl bk
45-FFP-w k to BOB blow in 10 min
60-FSIP-2" bl bk



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
42.00	VGMO 50%G10%M40%O	0.30
175.00	CO	1.24
0.00	650' GIP	0.00
0.00	Tool Sample 2%M98%O	0.00

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

TRILOBITE TESTING, INC

Vess Oil Corporation

1700 Waterfront PKWY
Bldg 500
Wichita KS 67206-6619
ATTN: Dylan Klaus, Roger M

7-10s-16w Rooks,KS

Comeau #2

Job Ticket: 63527 **DST#: 2**

Test Start: 2016.10.28 @ 09:30:10

Tool Information

Drill Pipe:	Length:	3061.00 ft	Diameter:	3.80 inches	Volume:	42.94 bbl	Tool Weight:		2200.00 lb
Heavy Wt. Pipe:	Length:	217.00 ft	Diameter:	2.70 inches	Volume:	1.54 bbl	Weight set on Packer:		25000.00 lb
Drill Collar:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight to Pull Loose:		65000.00 lb
					Total Volume:	44.48 bbl	Tool Chased		0.00 ft
							String Weight:	Initial	50000.00 lb
								Final	51000.00 lb

Drill Pipe Above KB:	12.00 ft
Depth to Top Packer:	3290.00 ft
Depth to Bottom Packer:	ft
Interval between Packers:	15.00 ft
Tool Length:	39.00 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			3267.00		
Shut In Tool	0.00			3267.00		
Hydraulic tool	5.00			3272.00		
Jars	5.00			3277.00		
Safety Joint	3.00			3280.00		
Packer	5.00			3285.00	24.00	Bottom Of Top Packer
Packer	5.00			3290.00		
Stubb	1.00			3291.00		
Recorder	0.00	8018	Inside	3291.00		
Recorder	0.00	8700	Outside	3291.00		
Perforations	11.00			3302.00		
Bullnose	3.00			3305.00	15.00	Bottom Packers & Anchor
Total Tool Length:	**39.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

TRILOBITE TESTING, INC

Vess Oil Corporation

1700 Waterfront PKWY
Bldg 500
Wichita KS 67206-6619
ATTN: Dylan Klaus, Roger M

7-10s-16w Rooks,KS

Comeau #2

Job Ticket: 63527 **DST#: 2**

Test Start: 2016.10.28 @ 09:30:10

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	39 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	50.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.35 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5700.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
42.00	VGMO 50%G10%M40%O	0.297
175.00	CO	1.239
0.00	650' GIP	0.000
0.00	Tool Sample 2%M98%O	0.000

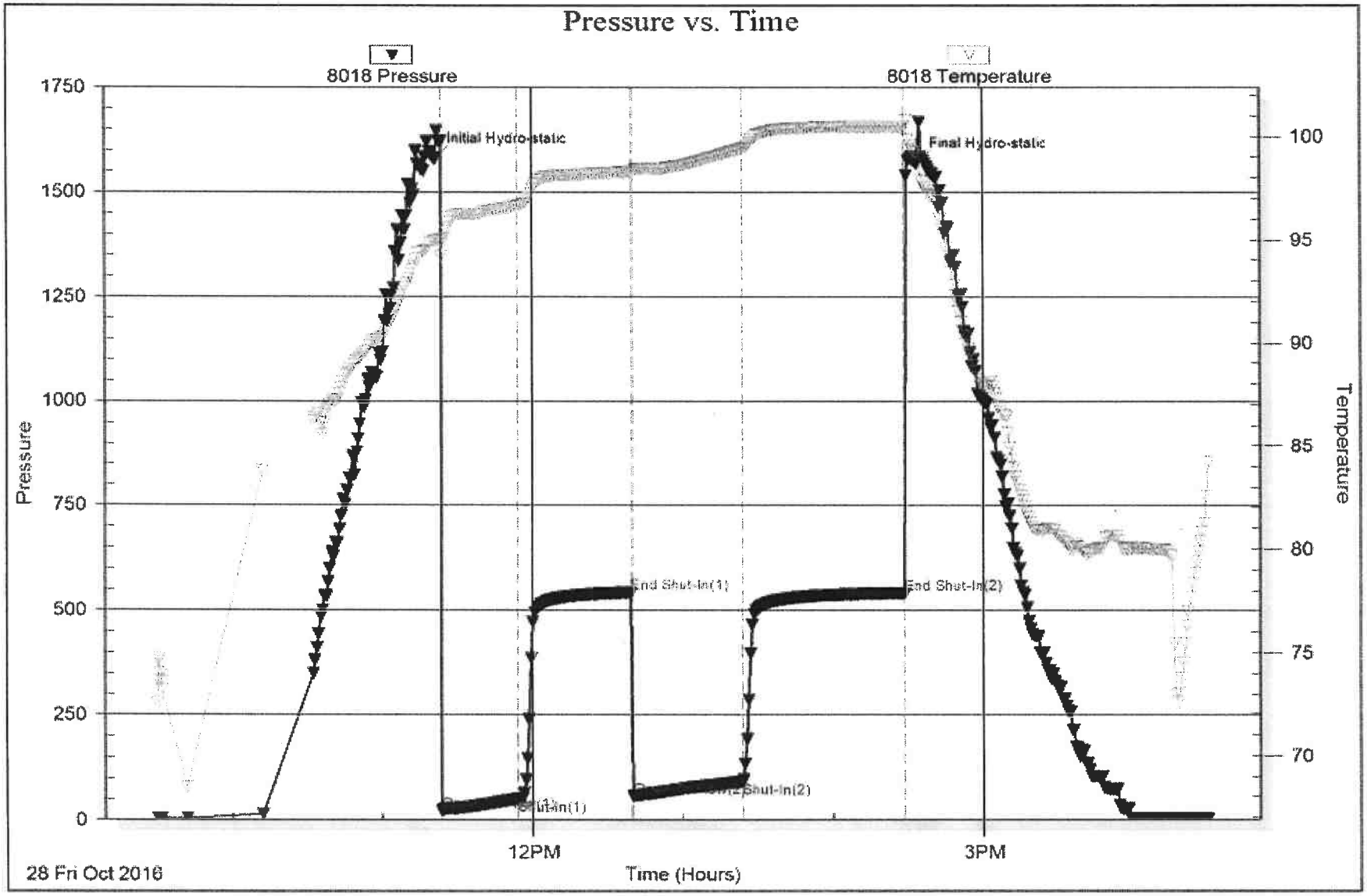
Total Length: 217.00 ft Total Volume: 1.536 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 8018 Inside Vess Oil Corporation Comeau #2 DST Test Number: 2



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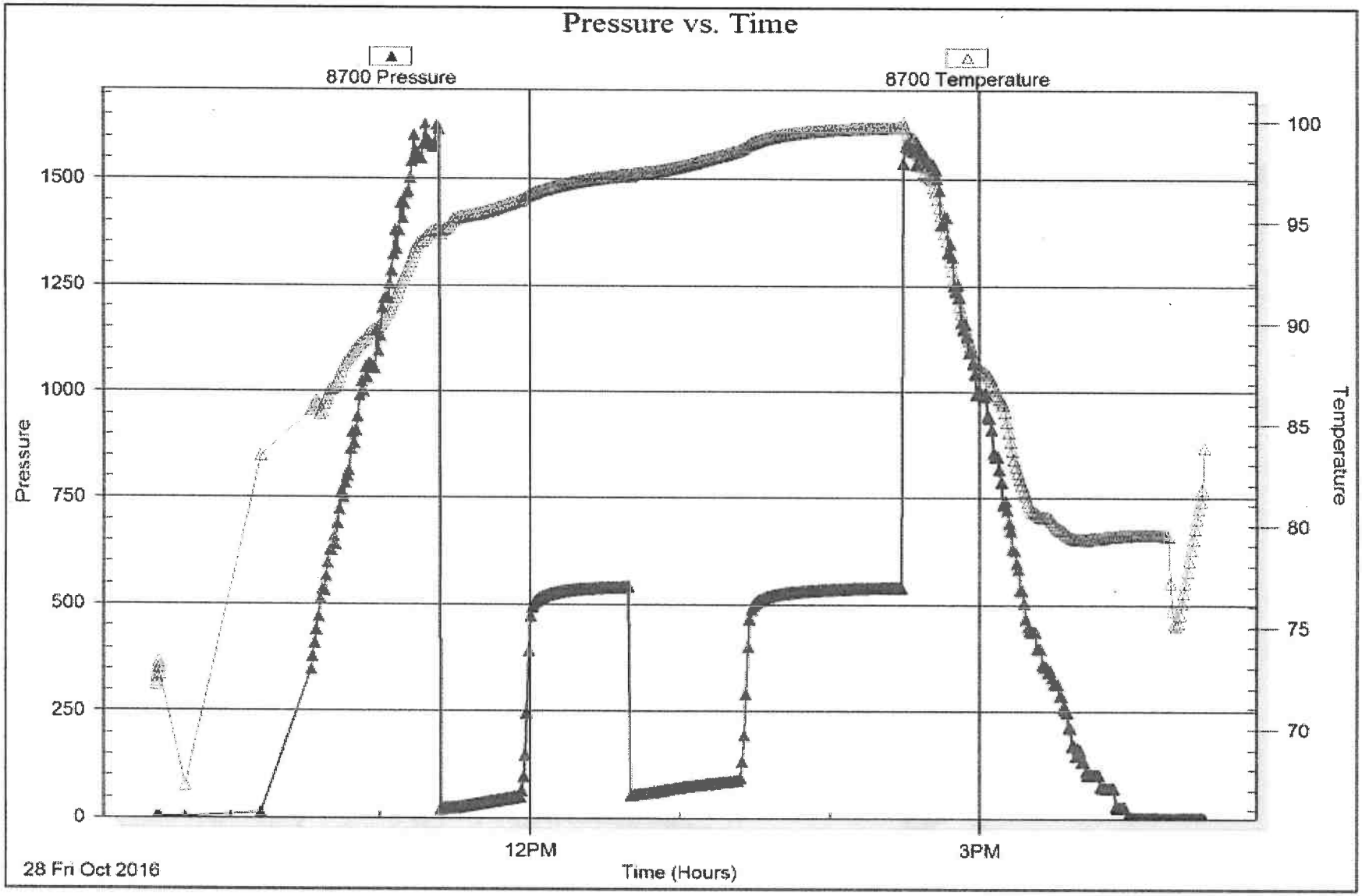

Pressure vs. Time
8700 Pressure
8700 Temperature
Pressure
Temperature
1500
1250
1000
750
500
250
0
100
95
90
85
80
75
70
12PM
3PM
Time (Hours)
28 Fri Oct 2016

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Vess Oil Corporation**

1700 Waterfront PKWY
Bldg 500
Wichita KS 67206-6619

ATTN: Dylan Klaus, Roger M

Comeau #2

7-10s-16w Rooks,KS

Start Date: 2016.10.29 @ 09:10:19

End Date: 2016.10.29 @ 16:13:58

Job Ticket #: 63528 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2016.10.31 @ 11:01:25

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Vess Oil Corporation

1700 Waterfront PKWY
Bldg 500
Wichita KS 67206-6619
ATTN: Dylan Klaus, Roger M

7-10s-16w Rooks,KS

Comeau #2

Job Ticket: 63528 **DST#: 3**

Test Start: 2016.10.29 @ 09:10:19

GENERAL INFORMATION:

Formation: **LKC base**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:13:59
Time Test Ended: 16:13:58

Interval: 3313.00 ft (KB) To 3450.00 ft (KB) (TVD)
Total Depth: 3450.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

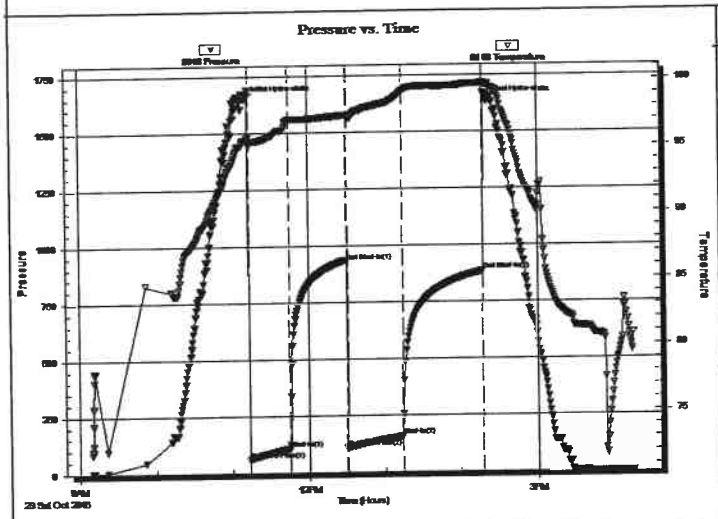
Test Type: Conventional Bottom Hole (Reset)
Tester: Ray Schwager
Unit No: 77

Reference Elevations: 2131.00 ft (KB)
2123.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8018 **Inside**

Press@RunDepth:	158.38 psig @	3318.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2016.10.29	End Date:	2016.10.29	Last Calib.:	2016.10.29
Start Time:	09:10:19	End Time:	16:13:58	Time On Btm:	2016.10.29 @ 11:11:29
				Time Off Btm:	2016.10.29 @ 14:20:13

TEST COMMENT: 30-IFP-wk to a gd bl , 1/2" to 6' bl
45-ISIP-no bl bk
45-FFP-wk bl thru-out surface to 3" blow
60-FSIP-no bl bk



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1649.37	95.44	Initial Hydro-static
3	59.51	95.02	Open To Flow (1)
34	105.95	96.98	Shut-In(1)
79	934.09	97.32	End Shut-In(1)
79	110.71	97.05	Open To Flow (2)
123	158.38	99.04	Shut-In(2)
186	884.77	99.66	End Shut-In(2)
189	1634.74	99.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
191.00	WM 20%W80%M w /show of oil ~1%oil	1.35
0.00	Tool Sample 1%O10%W89%M	0.00

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Vess Oil Corporation

1700 Waterfront PKWY
Bldg 500
Wichita KS 67206-6619
ATTN: Dylan Klaus, Roger M

7-10s-16w Rooks,KS

Comeau #2

Job Ticket: 63528 **DST#: 3**

Test Start: 2016.10.29 @ 09:10:19

GENERAL INFORMATION:

Formation: **LKC base**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:13:59
Time Test Ended: 16:13:58

Interval: 3313.00 ft (KB) To 3450.00 ft (KB) (TVD)
Total Depth: 3450.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

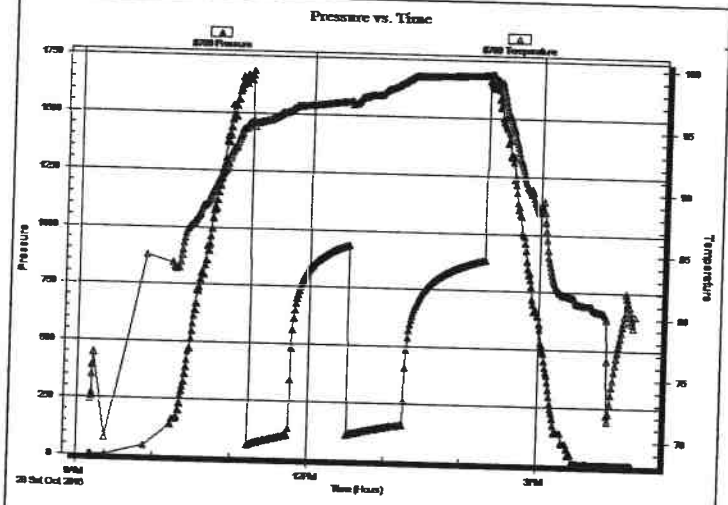
Test Type: Conventional Bottom Hole (Reset)
Tester: Ray Schwager
Unit No: 77

Reference Elevations: 2131.00 ft (KB)
2123.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8700 **Outside**
Press@RunDepth: psig @ 3318.00 ft (KB)
Start Date: 2016.10.29 End Date: 2016.10.29
Start Time: 09:10:24 End Time: 16:14:03

Capacity: 8000.00 psig
Last Calib.: 2016.10.29
Time On Btm:
Time Off Btm:

TEST COMMENT:
30-IFP-w k to a gd bl , 1/2" to 6' bl
45-ISIP-no bl bk
45-FFP-w k bl thru-out surface to 3" blow
60-FSIP-no bl bk



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
191.00	WM 20%W80%M w /show of oil ~1%oil	1.35
0.00	Tool Sample 1%O10%W89%M	0.00

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

TRILOBITE TESTING, INC

Vess Oil Corporation

1700 Waterfront PKWY
Bldg 500
Wichita KS 67206-6619
ATTN: Dylan Klaus, Roger M

7-10s-16w Rooks,KS

Comeau #2

Job Ticket: 63528 **DST#: 3**

Test Start: 2016.10.29 @ 09:10:19

Tool Information

Drill Pipe:	Length:	3092.00 ft	Diameter:	3.80 inches	Volume:	43.37 bbl	Tool Weight:		2200.00 lb
Heavy Wt. Pipe:	Length:	217.00 ft	Diameter:	2.70 inches	Volume:	1.54 bbl	Weight set on Packer:		25000.00 lb
Drill Collar:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight to Pull Loose:		65000.00 lb
					Total Volume:	44.91 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		20.00 ft					String Weight:	Initial	52000.00 lb
Depth to Top Packer:		3313.00 ft						Final	53000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		137.00 ft							
Tool Length:		161.00 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			3290.00		
Shut In Tool	0.00			3290.00		
Hydraulic tool	5.00			3295.00		
Jars	5.00			3300.00		
Safety Joint	3.00			3303.00		
Packer	5.00			3308.00	24.00	Bottom Of Top Packer
Packer	5.00			3313.00		
Stubb	1.00			3314.00		
Perforations	4.00			3318.00		
Recorder	0.00	8018	Inside	3318.00		
Recorder	0.00	8700	Outside	3318.00		
Blank Spacing	97.00			3415.00		
Perforations	32.00			3447.00		
Bullnose	3.00			3450.00	137.00	Bottom Packers & Anchor
Total Tool Length:	**161.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

TRILOBITE TESTING, INC

Vess Oil Corporation

1700 Waterfront PKWY
Bldg 500
Wichita KS 67206-6619
ATTN: Dylan Klaus, Roger M

7-10s-16w Rooks,KS

Comeau #2

Job Ticket: 63528 **DST#: 3**

Test Start: 2016.10.29 @ 09:10:19

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:	53.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.37 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5700.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

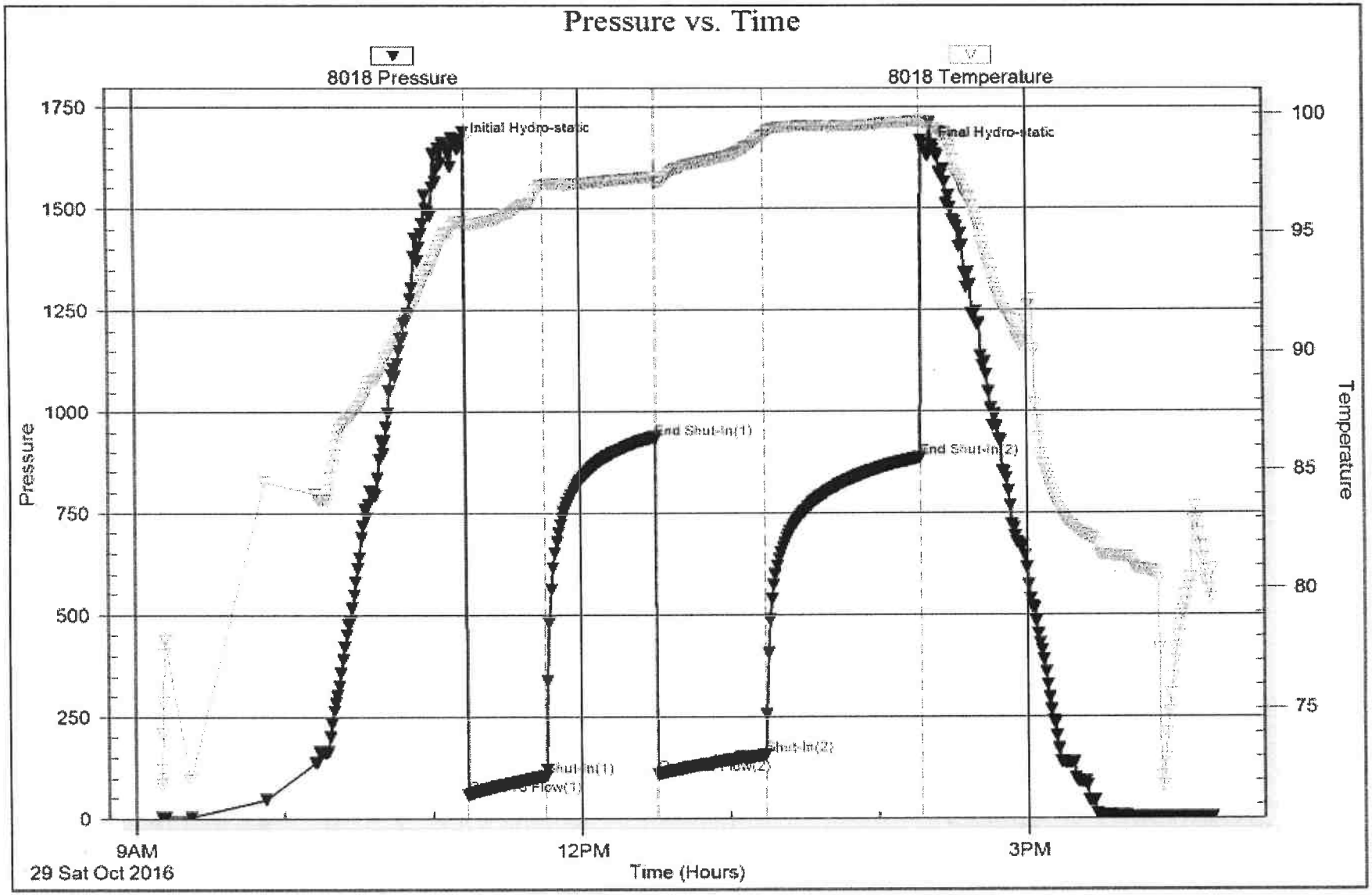
Length ft	Description	Volume bbl
191.00	WM 20%W80%M w/show of oil ~1%oil	1.353
0.00	Tool Sample 1%O10%W89%M	0.000

Total Length: 191.00 ft Total Volume: 1.353 bbl

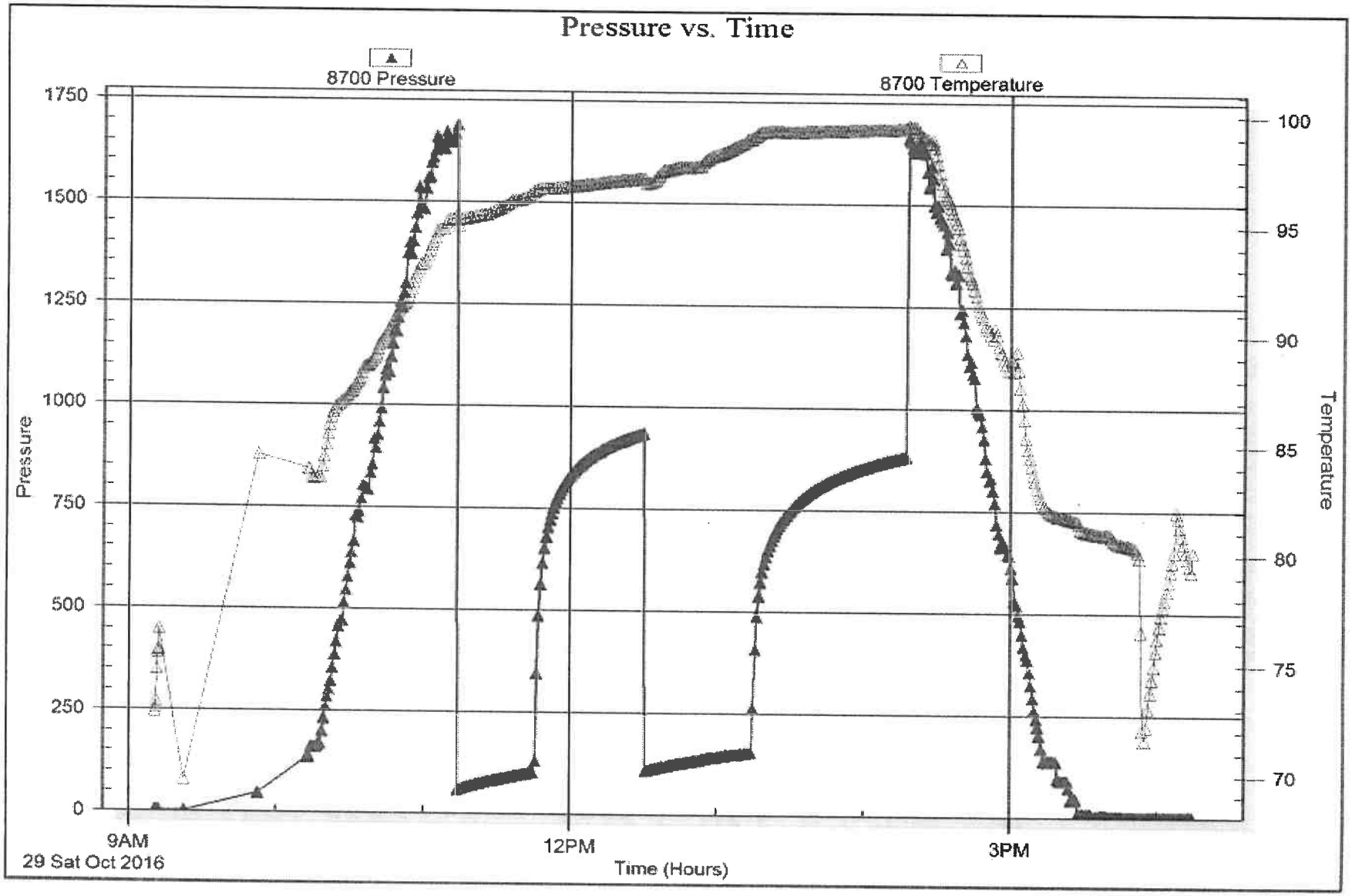
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: RW .36@65F


Pressure vs. Time
8018 Pressure
8018 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(1)
Shut-In(2)
Pressure
Temperature
1750
1500
1250
1000
750
500
250
0
100
95
90
85
80
75
9AM
29 Sat Oct 2016
12PM
3PM
Time (Hours)

Serial #: 8700 **Outside** Vess Oil Corporation Comeau #2 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 63528 Printed: 2016.10.31 @ 11:01:26

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Vess Oil Corporation**

1700 Waterfront PKWY
Bldg 500
Wichita KS 67206-6619

ATTN: Dylan Klaus, Roger M

Comeau #2

7-10s-16w Rooks,KS

Start Date: 2016.10.30 @ 13:20:07

End Date: 2016.10.30 @ 20:16:01

Job Ticket #: 63529 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2016.10.31 @ 11:00:12

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Vess Oil Corporation
1700 Waterfront PKWY
Bldg 500
Wichita KS 67206-6619
ATTN: Dylan Klaus, Roger M

7-10s-16w Rooks,KS

Comeau #2

Job Ticket: 63529 **DST#:4**

Test Start: 2016.10.30 @ 13:20:07

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:15:17
Time Test Ended: 20:16:01

Test Type: Conventional Bottom Hole (Reset)
Tester: Ray Schw ager
Unit No: 77

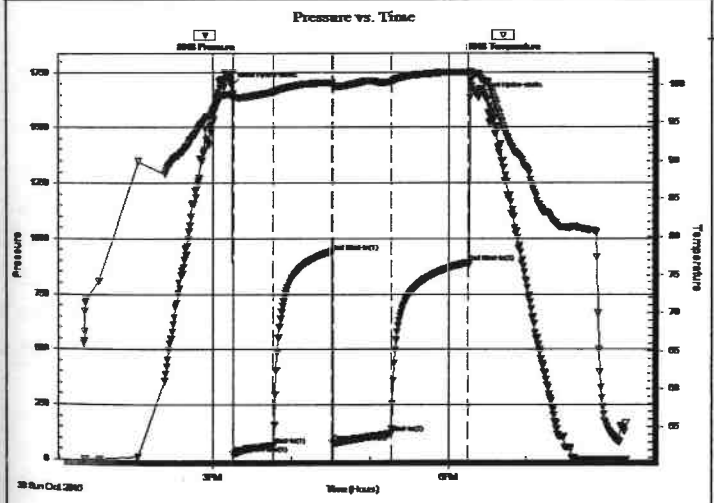
Interval: 3428.00 ft (KB) To 3575.00 ft (KB) (TVD)
Total Depth: 3575.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2131.00 ft (KB)
2123.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8018 **Inside**

Press@RunDepth:	119.88 psig @	3430.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2016.10.30	End Date:	2016.10.30	Last Calib.:	2016.10.30
Start Time:	13:20:07	End Time:	20:16:01	Time On Btm:	2016.10.30 @ 15:13:47
				Time Off Btm:	2016.10.30 @ 18:22:01

TEST COMMENT: 30-IFP-w k to a fr bl 1/2" to 5" bl
45-ISIP-no bl bk
45-FFP-w k bl thru-out surface to 2" bl
60-FSIP-no bl bk



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1689.63	98.72	Initial Hydro-static
2	29.00	98.06	Open To Flow (1)
33	69.27	99.00	Shut-In(1)
77	941.05	100.21	End Shut-In(1)
78	82.54	99.67	Open To Flow (2)
123	119.88	100.35	Shut-In(2)
182	892.07	101.52	End Shut-In(2)
189	1639.62	101.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	MW 30%M70%W	0.88
77.00	WM 25%W75%M	0.55
0.00	Tool sample 30%W70%M ~>1%oil	0.00

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Vess Oil Corporation

1700 Waterfront PKWY
Bldg 500
Wichita KS 67206-6619
ATTN: Dylan Klaus, Roger M

7-10s-16w Rooks,KS

Comeau #2

Job Ticket: 63529 **DST#: 4**

Test Start: 2016.10.30 @ 13:20:07

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:15:17
Time Test Ended: 20:16:01

Interval: 3428.00 ft (KB) To 3575.00 ft (KB) (TVD)
Total Depth: 3575.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

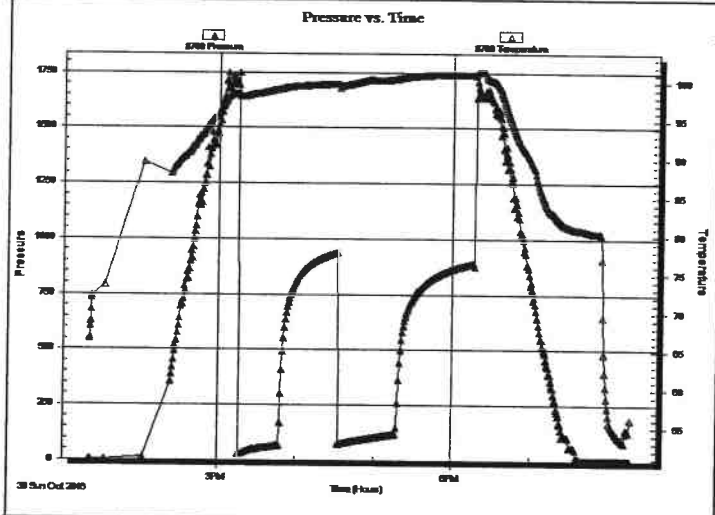
Test Type: Conventional Bottom Hole (Reset)
Tester: Ray Schw ager
Unit No: 77

Reference Elevations: 2131.00 ft (KB)
2123.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8700 **Outside**

Press@RunDepth:	psig @	3430.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2016.10.30	End Date:	2016.10.30	Last Calib.:	2016.10.30
Start Time:	13:21:01	End Time:	20:16:55	Time On Btm:	
				Time Off Btm:	

TEST COMMENT: 30-IFP-w k to a fr bl 1/2" to 5" bl
45-ISIP-no bl bk
45-FFP-w k bl thru-out surface to 2" bl
60-FSIP-no bl bk



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
124.00	MW 30%M70%W	0.88
77.00	WM 25%W75%M	0.55
0.00	Tool sample 30%W70%M ~>1%oil	0.00

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

TRILOBITE TESTING, INC

Vess Oil Corporation

1700 Waterfront PKWY
Bldg 500
Wichita KS 67206-6619
ATTN: Dylan Klaus, Roger M

7-10s-16w Rooks,KS

Comeau #2

Job Ticket: 63529 **DST#: 4**

Test Start: 2016.10.30 @ 13:20:07

Tool Information

Drill Pipe:	Length:	3217.00 ft	Diameter:	3.80 inches	Volume:	45.13 bbl	Tool Weight:		2200.00 lb
Heavy Wt. Pipe:	Length:	217.00 ft	Diameter:	2.70 inches	Volume:	1.54 bbl	Weight set on Packer:		25000.00 lb
Drill Collar:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight to Pull Loose:		60000.00 lb
					Total Volume:	46.67 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		30.00 ft					String Weight:	Initial	52000.00 lb
Depth to Top Packer:		3428.00 ft						Final	53000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		147.00 ft							
Tool Length:		171.00 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			3405.00		
Shut In Tool	0.00			3405.00		
Hydraulic tool	5.00			3410.00		
Jars	5.00			3415.00		
Safety Joint	3.00			3418.00		
Packer	5.00			3423.00	24.00	Bottom Of Top Packer
Packer	5.00			3428.00		
Stubb	1.00			3429.00		
Perforations	1.00			3430.00		
Recorder	0.00	8018	Inside	3430.00		
Recorder	0.00	8700	Outside	3430.00		
Blank Spacing	129.00			3559.00		
Perforations	13.00			3572.00		
Bullnose	3.00			3575.00	147.00	Bottom Packers & Anchor
Total Tool Length:	**171.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

TRILOBITE TESTING, INC

Vess Oil Corporation

1700 Waterfront PKWY
Bldg 500
Wichita KS 67206-6619
ATTN: Dylan Klaus, Roger M

7-10s-16w Rooks,KS

Comeau #2

Job Ticket: 63529 **DST#: 4**

Test Start: 2016.10.30 @ 13:20:07

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:	34000 ppm
Viscosity:	53.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.39 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5700.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	MW 30%M70%W	0.878
77.00	WM 25%W75%M	0.545
0.00	Tool sample 30%W70%M ~>1%oil	0.000

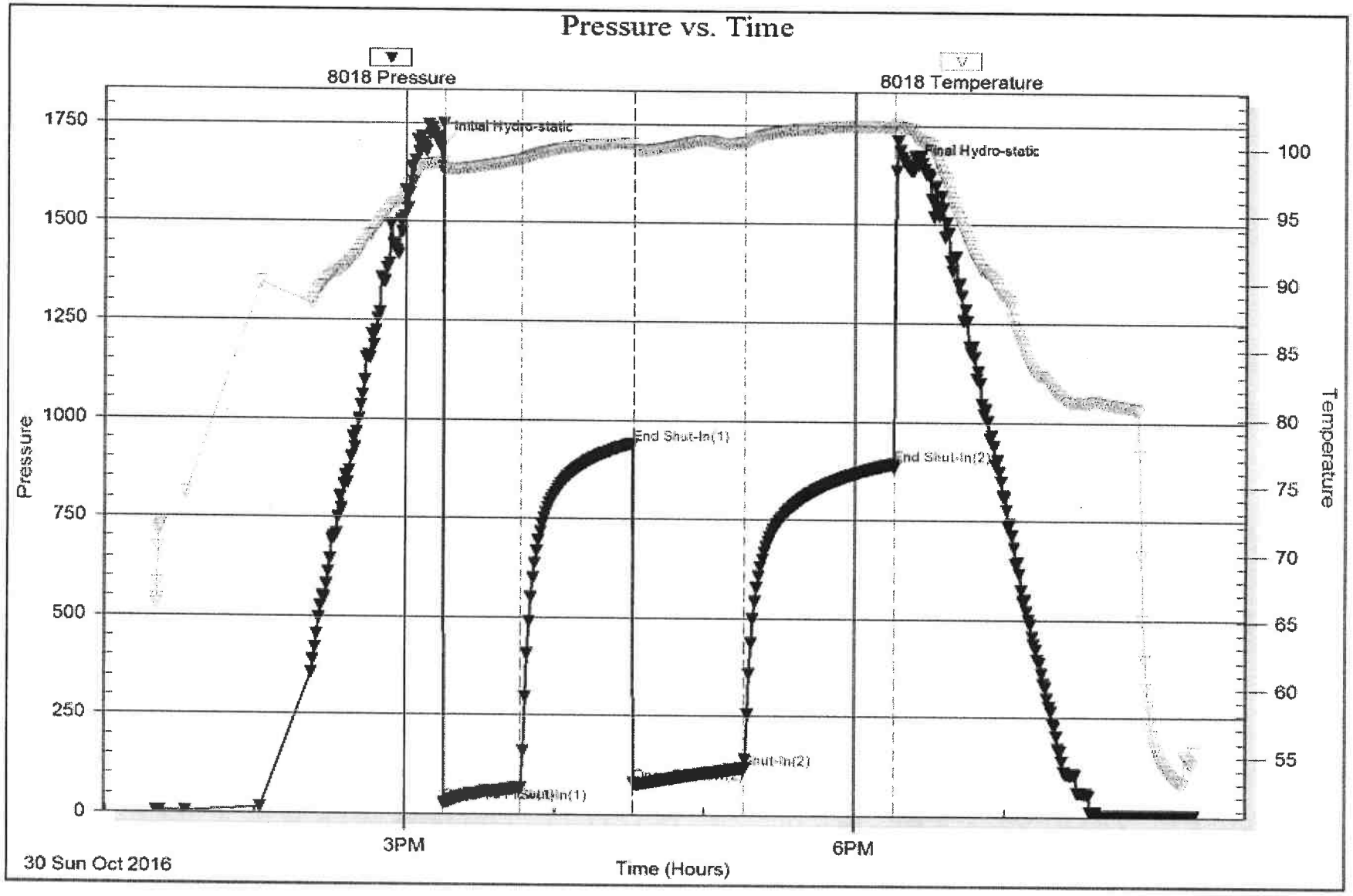
Total Length: 201.00 ft Total Volume: 1.423 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: .18@74F

Serial #: 8018 Inside Vess Oil Corporation Comeau #2 DST Test Number: 4



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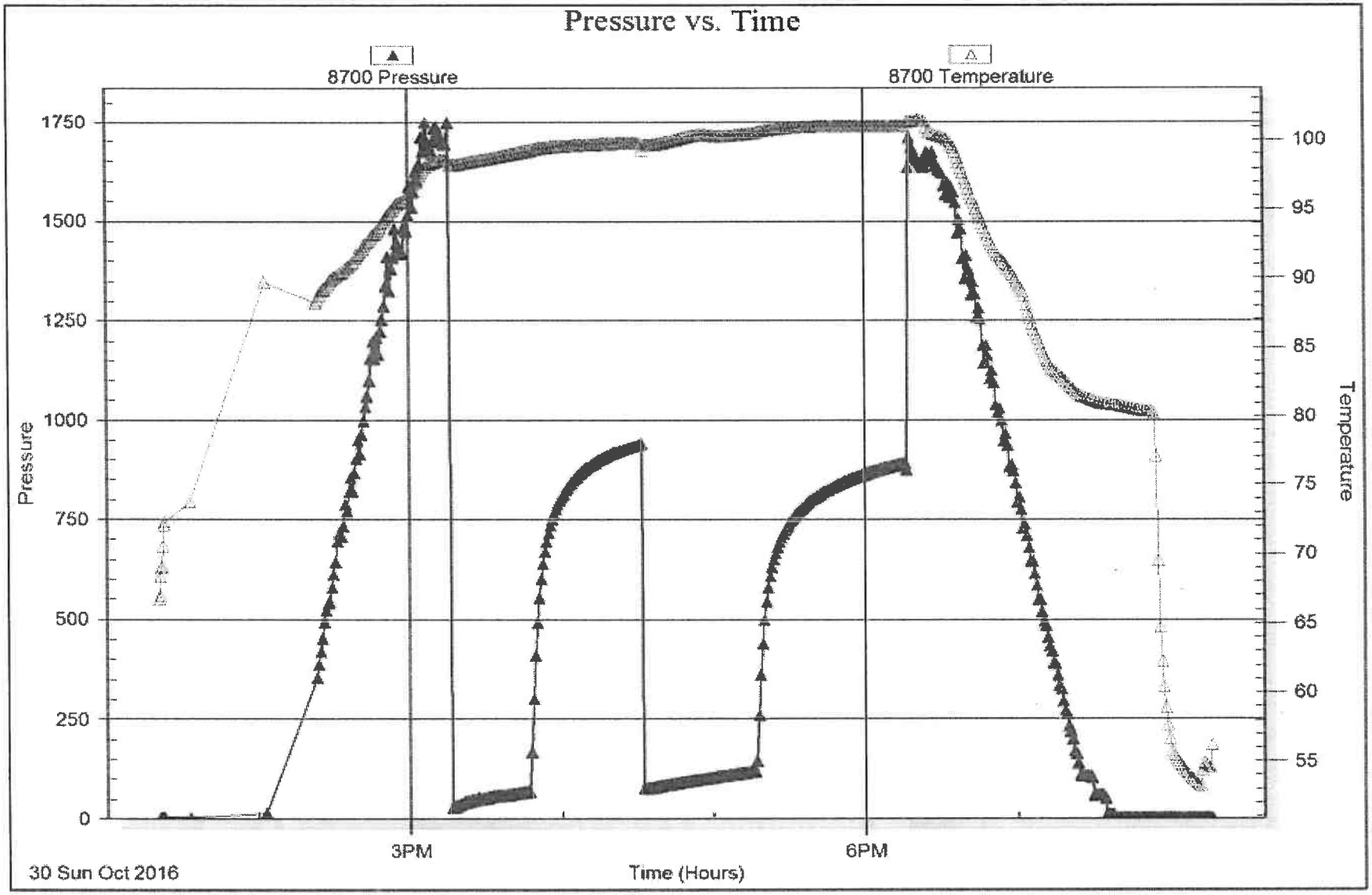
Pressure vs. Time
8700 Pressure
8700 Temperature
1750
1500
1250
1000
750
500
250
0
Pressure
100
95
90
85
80
75
70
65
60
55
Temperature
3PM
6PM
30 Sun Oct 2016
Time (Hours)

BASIC ENERGY SERVICES

OCT 31 2016

PAGE	CUST NO	YARD #	INVOICE DATE
1 of 1	1004542	1718	10/26/2016

INVOICE NUMBER
92260630

Pratt (620) 672-1201

BILL TO
VESS OIL CORPORATION
1700 WATERFRONT PKWY BLDG 500
WICHITA
KS US 67206
ATTN: ACCOUNTS PAYABLE

JOB SITE

LEASE NAME	COMEAU #2
LOCATION	
COUNTY	ROOKS
STATE	KS
JOB DESCRIPTION	Cement-New Well Casing/Pi
JOB CONTACT	

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40975362	19843-0		Net - 30 days	11/25/2016

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
For Service Dates: 10/23/2016 to 10/23/2016				
0040975362				
171813450A Cement-New Well Casing/Pi 10/23/2016				
COMMON CEMENT	175.00	EA	7.20	1,260.00 T
Calcium Chloride	330.00	EA	0.47	155.92 T
Celloflake	44.00	EA	1.67	73.26 T
"Unit Mileage Chg (PU, cars one way)"	100.00	MI	2.03	202.50
Heavy Equipment Mileage	200.00	MI	3.38	675.00
"Proppant & Bulk Del. Chgs., per ton mil	825.00	EA	1.12	928.12
Depth Charge; 0-500'	1.00	EA	450.00	450.00
Blending & Mixing Service Charge	175.00	BAG	0.63	110.25
"Service Supervisor, first 8 hrs on loc.	1.00	EA	78.76	78.76

PLEASE REMIT TO:
BASIC ENERGY SERVICES,LP
PO BOX 841903
DALLAS,TX 75284-1903

SEND OTHER CORRESPONDENCE TO:
BASIC ENERGY SERVICES,LP
801 CHERRY ST, STE 2100
FORT WORTH, TX 76102

SUB TOTAL	3,933.81
TAX	104.24
INVOICE TOTAL	4,038.05

BASIC ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET

1718 13450 A

DATE TICKET NO.

DATE OF JOB 10-23-16 DISTRICT PRATT	NEW WELL ☐ OLD WELL ☐ PROD ☐ INJ ☐ WDW ☐ CUSTOMER ORDER NO.:
CUSTOMER Vess oil corporation	LEASE COMPANY WELL NO. 2
ADDRESS	COUNTY ROOKS STATE KS
CITY STATE	SERVICE CREW MATTAR HANSON RAY
AUTHORIZED BY	JOB TYPE: CMT SURFACE 242

EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS
X 19843	.5				
X 21010	.5				

	DATE	AM PM	TIME
TRUCK CALLED	10-23-16		9:30
ARRIVED AT JOB		AM PM	11:30
START OPERATION	10-23-16	AM PM	12:00
FINISH OPERATION		AM PM	12:24
RELEASED		AM PM	1:00
MILES FROM STATION TO WELL			100

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).
The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: Cliff Mayfield
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	$ AMOUNT
CP 100	common	SK	175		2,800 00
CC 109	calcium chloride	lb	355		346 50
CC 102	cellophane	lb	64		162 80
E100	P.U. miles	MI	100	1	450 00
E101	Heavy eq mile	MI	200	1	1,500 00
E113	bulk d.t.	TM	825	1	2,062 50
CE200	depth charge 0-500'	HR	1	1	1,000 00
CE240	blend + mix	SK	175	1	245 00
S003	supervisor	EA	1	1	175 00
				SUB TOTAL	8,741 50

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON $	
MATERIALS	%TAX ON $	
	TOTAL	3,933 81

SERVICE REPRESENTATIVE Mike Mattar	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: Cliff Mayfield (WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

BASiC energy services, L.P.

TREATMENT REPORT

Customer: Vess Oil Corporation	Lease No.	Date: 10-23-16	
Lease: Cumpay	Well #: 2		
Field Order #: 13450	Station: Pratt	Casing: 8 5/8	Depth: 230
County: Rook	State: KS		
Type Job: CNW 8 5/8 Surface	Formation	Legal Description: 7-10-16	

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size 8 5/8	Tubing Size	Shots/Ft		Acid 175 sx Common 2% CC 1/4 # cf	RATE	PRESS	ISIP
Depth 230.23	Depth	From	To	Pre Pad	Max		5 Min.
Volume 14.6	Volume	From	To	Pad	Min		10 Min.
Max Press 300	Max Press	From	To	Frac	Avg		15 Min.
Well Connection SW	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth 219.23	Packer Depth	From	To	Flush 13.7	Gas Volume		Total Load

Customer Representative: Dylan Williams | Station Manager: Kevin Goodwin | Treater: Mike Mattox

Service Units	37586		84981	19843		19959	21010				
Driver Names	Matt		Hanson			Ray					

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
11:30					On location / safety meeting
					Hook to casing
12:04	200		3	4.5	Pump 3 bbl water
12:10	200		37	4.5	Mix 175 sx common cmt
12:19	150		—	4.5	Start displacement
12:24	150		13.7	—	Plug down / shut in well
					7 bbl cmt to pit
					Job complete
					Thank you!
					Mike Mattox
					Josh + Ray

10244 NE Hiway 61 • P.O. Box 8613 • Pratt, KS 67124-8613 • (620) 672-1201 • Fax (620) 672-5383

Taylor Printing, Inc. 620-672-3656

PAGE	CUST NO	YARD #	INVOICE DATE
1 of 1	1004542	1718	11/02/2016

INVOICE NUMBER
92267001

BASIC ENERGY SERVICES

NOV 07 2016

Pratt (620) 672-1201

BILL TO
VESS OIL CORPORATION
1700 WATERFRONT PKWY BLDG 500
WICHITA
KS US 67206
ATTN: ACCOUNTS PAYABLE

JOB SITE

LEASE NAME	Comeau 2
LOCATION	
COUNTY	Rooks
STATE	KS
JOB DESCRIPTION	Cement-New Well Casing/Pi
JOB CONTACT	

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40977100	19843		Net - 30 days	12/02/2016

For Service Dates: 10/31/2016 to 10/31/2016

0040977100

171813875A Cement-New Well Casing/Pi 10/31/2016
Cement 2 Stage Longstring

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
AA2 Cement	175.00	EA	7.65	1,338.75 T
A-Con' Blend	200.00	EA	8.10	1,620.00 T
Calcium Chloride	564.00	EA	0.47	266.49 T
Celloflake	50.00	EA	1.67	83.25 T
C-41P	33.00	EA	1.80	59.40 T
Salt	810.00	EA	0.23	182.25 T
FLA-322	132.00	EA	3.38	445.50 T
Gilsonite	875.00	EA	0.30	263.81 T
Mud Flush	500.00	EA	0.68	337.50 T
"Two Stage Cement Collar, 5 1/2"" (Blue)	1.00	EA	2,025.00	2,025.00
"Auto Fill Float Shoe 5 1/2"" (Blue)"	1.00	EA	162.00	162.00
"Turbolizer, 5 1/2"" (Blue)"	10.00	EA	49.50	495.00
"5 1/2"" Basket (Blue)"	2.00	EA	130.50	261.00
"Unit Mileage Chg (PU, cars one way)"	100.00	MI	2.03	202.50
Heavy Equipment Mileage	200.00	MI	3.38	675.00
"Proppant & Bulk Del. Chgs., per ton mil	1,765.00	EA	1.12	1,985.62
Blending & Mixing Service Charge	375.00	BAG	0.63	236.25
Plug Container Util. Chg.	1.00	EA	112.50	112.50
Depth Charge; 3001-4000'	1.00	EA	972.00	972.00
"Service Supervisor, first 8 hrs on loc.	1.00	EA	78.76	78.76

PLEASE REMIT TO:
BASIC ENERGY SERVICES,LP
PO BOX 841903
DALLAS,TX 75284-1903

SEND OTHER CORRESPONDENCE TO:
BASIC ENERGY SERVICES,LP
801 CHERRY ST, STE 2100
FORT WORTH, TX 76102

SUB TOTAL	11,802.58
TAX	321.79
INVOICE TOTAL	12,124.37

BASIC ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET

1718 13875 A

DATE TICKET NO.

DATE OF JOB 10/31/10 DISTRICT Pratt, KS	NEW WELL ☑ OLD WELL ☐ PROD ☐ INJ ☐ WDW ☐ CUSTOMER ORDER NO.:
CUSTOMER Vess Oil Corporation	LEASE Comesu WELL NO. 2
ADDRESS	COUNTY Rooks STATE KS
CITY STATE	SERVICE CREW Dean, McGraw, Jason
AUTHORIZED BY	JOB TYPE: 2 42/ 2 Stage Longstring

EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS
19843	4 1/4				
19862	1				

	DATE	AM PM	TIME
TRUCK CALLED	10/31	AM PM	9:00
ARRIVED AT JOB	10/31	AM PM	2:30
START OPERATION	10/31	AM PM	5:45
FINISH OPERATION	10/31	AM PM	10:00
RELEASED	10/31	AM PM	11:00
MILES FROM STATION TO WELL	130		

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).
The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: Roger Martin
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	$ AMOUNT
CP105	AA2 Cement	SK	175		2975.00
CP101	A con Blend Common	SK	200		3,600.00
CC109	Calcium Chloride	Lb	564		592.20
CC102	Celloflake	Lb	50		185.00
CC105	C-41P	Lb	33		132.00
CC111	Salt	Lb	810		405.00
CC129	FLA-322	Lb	132		990.00
CC201	Gilsonite	Lb	875		586.25
CF451	Two Stage Cement Collar, 5½" (Blue)	EA	1		4,500.00
CF1251	Auto Fill Float Shoe 5½" (Blue)	EA	1		360.00
CF1651	Turbolizer, 5½" (Blue)	EA	10		1,100.00
CF1901	5½ Basket (Blue)	EA	2		580.00
CC151	Mud Flush	Gal	500		750.00
E100	Unit Mileage Charge - Pickup, 3 min/unit & cars one way	M.	100		450.00
E101	Heavy Equipment Mileage	M.	200		1,500.00
E113	Proppant & Bulk Delivery Charges, Per ton mile	Ton	1765		4,412.50
CE204	Depth Charge; 3001-4000'	4hr	1		2,160.00
CE240	Blending & Mixing Service Charge	SK	375		525.00
CE504	Plug Container Utilization Charge	Job	1		250.00
S003	Service Supervisor, First 8 hrs on loc	EA	1		175.00

SUB TOTAL 26,227.95

CHEMICAL / ACID DATA:

SERVICE & EQUIPMENT	%TAX ON $	
MATERIALS	%TAX ON $	
	DISCOUNTED TOTAL	11,862.55

KG

SERVICE REPRESENTATIVE Dave Kirsch	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: (WELL OWNER OPERATOR CONTRACTOR OR AGENT) Roger Martin

FIELD SERVICE ORDER NO.

BASiC energy services, L.P. Stage #1

TREATMENT REPORT

Customer: Vess Oil Corporation	Lease No.			Date: 10/31/2016	
Lease: Comegu	Well #: 2				
Field Order #: 13875	Station: Pratt, KS	Casing: 5½	Depth: 3575	County: Rooks	State: KS
Type Job: Z 42/2 Stage Longstring		Formation: TD - 3575		Legal Description	

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size: 5½	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth	Depth	From	To	Pre Pad	Max		5 Min.
Volume	Volume	From	To	Pad	Min		10 Min.
Max Press	Max Press	From	To	Frac	Avg		15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush: Freshwater	Gas Volume		Total Load

Customer Representative	Station Manager: Kevin Geisler	Treater: Dean Franklin

Service Units	92911	84581	19843	70955	19862						
Driver Names	Dean	McGee	McGee	Jason	Jason						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
12:30pm					On location / Safety meeting
					Set casing set
					T-
					B- DV Tool - 1244'
					175 sk DA2 Blend, 15.3 ppg, 1.36 yield, 5.33 wsr
					200 sk A con Blend, 3% cc, ¼# Cell/sk
					12.0 ppg, 2.47 yield, 14.49 water
5:45pm	200		5	6	Pump 5 bbls water
	200		12	6	Pump 12 bbls Flush
	200		5	6	Pump 5 bbls water
	200		42	5½	mix 175 sk cement
					Shut down
					Wash Pump & lines
					Release Plug
6:00pm	100		0	6	Start displacement
	400		55	6	Lift Pressure
	500		70	3	Slow Rate
6:20pm	1400		80	3	Bump Plug
					Float
					Drop DV opening tool
	1250		¼	¼	Open DV Tool

Taylor Printing, Inc. 620-672-3656

BASiC energy services, L.P.

Stage #2

TREATMENT REPORT

Customer: VESS Oil Corporation	Lease No.			Date: 10/31/2016	
Lease: Comeau	Well #: 2				
Field Order #: 13575	Station	Casing: 5½	Depth: 3575	County: Rooks	State: Ks
Type Job: 2 42/2 Stage Long String		Formation: TD-3575		Legal Description	

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth	Depth	From	To	Pre Pad	Max		5 Min.
Volume	Volume	From	To	Pad	Min		10 Min.
Max Press	Max Press	From	To	Frac	Avg		15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative	Station Manager	Treater

Service Units											
Driver Names											

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
					Circulate with Rig for 2 hours
9:30pm	200		88	6	mix 200sk Cement - DCon Blend
					Shut down
					Wash Pump & lines
	200		0	6	Start displacement
	300		20	2½	Slow Rate
	1400		29	2½	Bump Plug & Close DV Tool
	100		12	3	Plug Rat hole - 30sk, mous hole - 15sk
					Wash up
					Job Complete / Darin & crew
					Thank you!!!

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Taylor Printing, Inc. 620-672-3656

BASIC ENERGY SERVICES

OCT 31 2016

PAGE	CUST NO	YARD #	INVOICE DATE
1 of 1	1004542	1718	10/26/2016

INVOICE NUMBER
92260630

Pratt (620) 672-1201

BILL TO
VESS OIL CORPORATION
1700 WATERFRONT PKWY BLDG 500
WICHITA
KS US 67206
ATTN: ACCOUNTS PAYABLE

JOB SITE

LEASE NAME	COMEAU #2
LOCATION	
COUNTY	ROOKS
STATE	KS
JOB DESCRIPTION	Cement-New Well Casing/Pi
JOB CONTACT	

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40975362	19843-0		Net - 30 days	11/25/2016

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
For Service Dates: 10/23/2016 to 10/23/2016				
0040975362				
171813450A Cement-New Well Casing/Pi 10/23/2016				
COMMON CEMENT	175.00	EA	7.20	1,260.00 T
Calcium Chloride	330.00	EA	0.47	155.92 T
Celloflake	44.00	EA	1.67	73.26 T
"Unit Mileage Chg (PU, cars one way)"	100.00	MI	2.03	202.50
Heavy Equipment Mileage	200.00	MI	3.38	675.00
"Proppant & Bulk Del. Chgs., per ton mil	825.00	EA	1.12	928.12
Depth Charge; 0-500'	1.00	EA	450.00	450.00
Blending & Mixing Service Charge	175.00	BAG	0.63	110.25
"Service Supervisor, first 8 hrs on loc.	1.00	EA	78.76	78.76

PLEASE REMIT TO:
BASIC ENERGY SERVICES,LP
PO BOX 841903
DALLAS,TX 75284-1903

SEND OTHER CORRESPONDENCE TO:
BASIC ENERGY SERVICES,LP
801 CHERRY ST, STE 2100
FORT WORTH, TX 76102

SUB TOTAL	3,933.81
TAX	104.24
INVOICE TOTAL	4,038.05

BASIC ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET

1718 13450 A

DATE TICKET NO.

DATE OF JOB 10-23-16 DISTRICT PRATT	NEW WELL ☐ OLD WELL ☐ PROD ☐ INJ ☐ WDW ☐ CUSTOMER ORDER NO.:
CUSTOMER Vess oil corporation	LEASE COMPANY WELL NO. 2
ADDRESS	COUNTY ROOKS STATE KS
CITY STATE	SERVICE CREW MATTAR HANSON RAY
AUTHORIZED BY	JOB TYPE: CMT SURFACE 242

EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS
X 19843	.5				
X 21010	.5				

	DATE	AM PM	TIME
TRUCK CALLED	10-23-16		9:30
ARRIVED AT JOB		AM PM	11:30
START OPERATION	10-23-16	AM PM	12:00
FINISH OPERATION		AM PM	12:24
RELEASED		AM PM	1:00
MILES FROM STATION TO WELL			100

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).
The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: Cliff Mayfield
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	$ AMOUNT
CP 100	common	SK	175		2,800 00
CC 109	calcium chloride	lb	355		346 50
CC 102	cellophane	lb	64		162 80
E100	P.U. miles	MI	100	1	450 00
E101	Heavy eq mile	MI	200	1	1,500 00
E113	bulk d.t.	TM	825	1	2,062 50
CE200	depth charge 0-500'	HR	1	1	1,000 00
CE240	blend + mix	SK	175	1	245 00
S003	supervisor	EA	1	1	175 00
				SUB TOTAL	8,741 50

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON $	
MATERIALS	%TAX ON $	
	TOTAL	3,933 81

SERVICE REPRESENTATIVE Mike Mattar	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: Cliff Mayfield (WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

BASiC energy services, L.P.

TREATMENT REPORT

Customer: Vess Oil Corporation	Lease No.	Date: 10-23-16	
Lease: Cumpay	Well #: 2		
Field Order #: 13450	Station: Pratt	Casing: 8 5/8	Depth: 230
County: Rook	State: KS		
Type Job: CNW 8 5/8 Surface	Formation	Legal Description: 7-10-16	

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size 8 5/8	Tubing Size	Shots/Ft		Acid 175 sx Common 2% CC 1/4 # cf	RATE	PRESS	ISIP
Depth 230.23	Depth	From	To	Pre Pad	Max		5 Min.
Volume 14.6	Volume	From	To	Pad	Min		10 Min.
Max Press 300	Max Press	From	To	Frac	Avg		15 Min.
Well Connection SW	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth 219.23	Packer Depth	From	To	Flush 13.7	Gas Volume		Total Load

Customer Representative: Dylan Williams | Station Manager: Kevin Goodwin | Treater: Mike Mattox

Service Units	37586		84981	19843		19959	21010				
Driver Names	Matt		Hanson			Ray					

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
11:30					On location / safety meeting
					Hook to casing
12:04	200		3	4.5	Pump 3 bbl water
12:10	200		37	4.5	Mix 175 sx common cmt
12:19	150		—	4.5	Start displacement
12:24	150		13.7	—	Plug down / shut in well
					7 bbl cmt to pit
					Job complete
					Thank you!
					Mike Mattox
					Josh + Ray

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Taylor Printing, Inc. 620-672-3656

PAGE	CUST NO	YARD #	INVOICE DATE
1 of 1	1004542	1718	11/02/2016

INVOICE NUMBER
92267001

BASIC ENERGY SERVICES

NOV 07 2016

Pratt (620) 672-1201

BILL TO
VESS OIL CORPORATION
1700 WATERFRONT PKWY BLDG 500
WICHITA
KS US 67206
ATTN: ACCOUNTS PAYABLE

JOB SITE

LEASE NAME	Comeau 2
LOCATION	
COUNTY	Rooks
STATE	KS
JOB DESCRIPTION	Cement-New Well Casing/Pi
JOB CONTACT	

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40977100	19843		Net - 30 days	12/02/2016

For Service Dates: 10/31/2016 to 10/31/2016

0040977100

171813875A Cement-New Well Casing/Pi 10/31/2016
Cement 2 Stage Longstring

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
AA2 Cement	175.00	EA	7.65	1,338.75 T
A-Con' Blend	200.00	EA	8.10	1,620.00 T
Calcium Chloride	564.00	EA	0.47	266.49 T
Celloflake	50.00	EA	1.67	83.25 T
C-41P	33.00	EA	1.80	59.40 T
Salt	810.00	EA	0.23	182.25 T
FLA-322	132.00	EA	3.38	445.50 T
Gilsonite	875.00	EA	0.30	263.81 T
Mud Flush	500.00	EA	0.68	337.50 T
"Two Stage Cement Collar, 5 1/2"" (Blue)	1.00	EA	2,025.00	2,025.00
"Auto Fill Float Shoe 5 1/2"" (Blue)"	1.00	EA	162.00	162.00
"Turbolizer, 5 1/2"" (Blue)"	10.00	EA	49.50	495.00
"5 1/2"" Basket (Blue)"	2.00	EA	130.50	261.00
"Unit Mileage Chg (PU, cars one way)"	100.00	MI	2.03	202.50
Heavy Equipment Mileage	200.00	MI	3.38	675.00
"Proppant & Bulk Del. Chgs., per ton mil	1,765.00	EA	1.12	1,985.62
Blending & Mixing Service Charge	375.00	BAG	0.63	236.25
Plug Container Util. Chg.	1.00	EA	112.50	112.50
Depth Charge; 3001-4000'	1.00	EA	972.00	972.00
"Service Supervisor, first 8 hrs on loc.	1.00	EA	78.76	78.76

PLEASE REMIT TO:
BASIC ENERGY SERVICES,LP
PO BOX 841903
DALLAS,TX 75284-1903

SEND OTHER CORRESPONDENCE TO:
BASIC ENERGY SERVICES,LP
801 CHERRY ST, STE 2100
FORT WORTH, TX 76102

SUB TOTAL	11,802.58
TAX	321.79
INVOICE TOTAL	12,124.37

BASIC ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET

1718 13875 A

DATE TICKET NO.

DATE OF JOB 10/31/10 DISTRICT Pratt, KS	NEW WELL ☑ OLD WELL ☐ PROD ☐ INJ ☐ WDW ☐ CUSTOMER ORDER NO.:
CUSTOMER Vess Oil Corporation	LEASE Comesu WELL NO. 2
ADDRESS	COUNTY Rooks STATE KS
CITY STATE	SERVICE CREW Dean, McGraw, Jason
AUTHORIZED BY	JOB TYPE: 2 42/ 2 Stage Longstring

EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS
19843	4 1/4				
19862	1				

	DATE	AM PM	TIME
TRUCK CALLED	10/31	AM PM	9:00
ARRIVED AT JOB	10/31	AM PM	2:30
START OPERATION	10/31	AM PM	5:45
FINISH OPERATION	10/31	AM PM	10:00
RELEASED	10/31	AM PM	11:00
MILES FROM STATION TO WELL	130		

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).
The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: Roger Martin
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	$ AMOUNT
CP105	AA2 Cement	SK	175		2975.00
CP101	A con Blend Common	SK	200		3,600.00
CC109	Calcium Chloride	Lb	564		592.20
CC102	Celloflake	Lb	50		185.00
CC105	C-41P	Lb	33		132.00
CC111	Salt	Lb	810		405.00
CC129	FLA-322	Lb	132		990.00
CC201	Gilsonite	Lb	875		586.25
CF451	Two Stage Cement Collar, 5½" (Blue)	EA	1		4,500.00
CF1251	Auto Fill Float Shoe 5½" (Blue)	EA	1		360.00
CF1651	Turbolizer, 5½" (Blue)	EA	10		1,100.00
CF1901	5½ Basket (Blue)	EA	2		580.00
CC151	Mud Flush	Gal	500		750.00
E100	Unit Mileage Charge - Pickup, 3 min/unit & cars one way	M.	100		450.00
E101	Heavy Equipment Mileage	M.	200		1,500.00
E113	Proppant & Bulk Delivery Charges, Per ton mile	Ton	1765		4,412.50
CE204	Depth Charge; 3001-4000'	4hr	1		2,160.00
CE240	Blending & Mixing Service Charge	SK	375		525.00
CE504	Plug Container Utilization Charge	Job	1		250.00
S003	Service Supervisor, First 8 hrs on loc	EA	1		175.00

SUB TOTAL 26,227.95

CHEMICAL / ACID DATA:

SERVICE & EQUIPMENT	%TAX ON $	
MATERIALS	%TAX ON $	
	DISCOUNTED TOTAL	11,862.55

KG

SERVICE REPRESENTATIVE Dave Kirsch	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: (WELL OWNER OPERATOR CONTRACTOR OR AGENT) Roger Martin

FIELD SERVICE ORDER NO.

BASiC energy services, L.P. Stage #1

TREATMENT REPORT

Customer: Vess Oil Corporation	Lease No.			Date: 10/31/2016	
Lease: Comegu	Well #: 2				
Field Order #: 13875	Station: Pratt, KS	Casing: 5½	Depth: 3575	County: Rooks	State: KS
Type Job: Z 42/2 Stage Longstring		Formation: TD - 3575		Legal Description	

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size: 5½	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth	Depth	From	To	Pre Pad	Max		5 Min.
Volume	Volume	From	To	Pad	Min		10 Min.
Max Press	Max Press	From	To	Frac	Avg		15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush: Freshwater	Gas Volume		Total Load

Customer Representative	Station Manager: Kevin Geisler	Treater: Dean Franklin

Service Units	92911	84581	19843	70955	19862						
Driver Names	Dean	McGee	McGee	Jason	Jason						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
12:30pm					On location / Safety meeting
					Set casing set
					T-
					B- DV Tool - 1244'
					175 sk DA2 Blend, 15.3 ppg, 1.36 yield, 5.33 wsr
					200 sk A con Blend, 3% cc, ¼# Cell/sk
					12.0 ppg, 2.47 yield, 14.49 water
5:45pm	200		5	6	Pump 5 bbls water
	200		12	6	Pump 12 bbls Flush
	200		5	6	Pump 5 bbls water
	200		42	5½	mix 175 sk cement
					Shut down
					Wash Pump & lines
					Release Plug
6:00pm	100		0	6	Start displacement
	400		55	6	Lift Pressure
	500		70	3	Slow Rate
6:20pm	1400		80	3	Bump Plug
					Float
					Drop DV opening tool
	1250		¼	¼	Open DV Tool

Taylor Printing, Inc. 620-672-3656

BASiC energy services, L.P.

Stage #2

TREATMENT REPORT

Customer: VESS Oil Corporation	Lease No.			Date: 10/31/2016	
Lease: Comeau	Well #: 2				
Field Order #: 13575	Station	Casing: 5½	Depth: 3575	County: Rooks	State: Ks
Type Job: 2 42/2 Stage Long String		Formation: TD-3575		Legal Description	

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth	Depth	From	To	Pre Pad	Max		5 Min.
Volume	Volume	From	To	Pad	Min		10 Min.
Max Press	Max Press	From	To	Frac	Avg		15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative	Station Manager	Treater

Service Units											
Driver Names											

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
					Circulate with Rig for 2 hours
9:30pm	200		88	6	mix 200sk Cement - DCon Blend
					Shut down
					Wash Pump & lines
	200		0	6	Start displacement
	300		20	2½	Slow Rate
	1400		29	2½	Bump Plug & Close DV Tool
	100		12	3	Plug Rat hole - 30sk, mous hole - 15sk
					Wash up
					Job Complete / Darin & crew
					Thank you!!!

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Taylor Printing, Inc. 620-672-3656