

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1272673  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
November 2016

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: \_\_\_\_\_

1272673

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  Yes  No

(Attach Additional Sheets)

Samples Sent to Geological Survey  Yes  No

TCores aken  Yes  No

Electric Log Run  Yes  No

Geologist Report / Mud Logs  Yes  No

List All E. Logs Run:

Log Formation (Top), Depth and Datum  Sample

Name Top Datum

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

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				

- Did you perform a hydraulic fracturing treatment on this well?  Yes  No (If No, skip questions 2 and 3)
- Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No (If No, skip question 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 (Explain) _____				
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 (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACO-5)			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:
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Form	ACO1 - Well Completion
Operator	Vess Oil Corporation
Well Name	Younger 3
Doc ID	1272673

All Electric Logs Run

Dual Induction
Comp Density/Neutron
Sonic
Micro



**ROGER L. MARTIN**  
INDEPENDENT PETROLEUM GEOLOGIST 316-250-6970

**GEOLOGIST'S REPORT**  
DRILLING TIME AND SAMPLE LOG

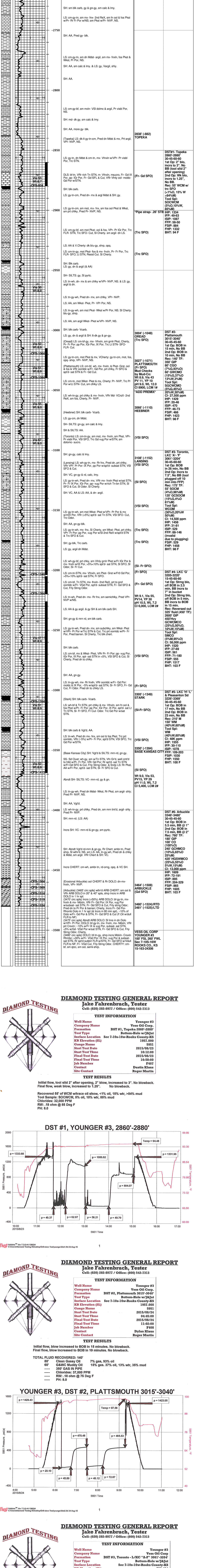
<b>COMPANY</b> VESS OIL CORPORATION		<b>ELEVATIONS</b>	
<b>LEASE</b> YOUNGER #3		KB 1956'	GL 1948'
<b>FIELD</b> CODELL		<b>Measurements Are All</b>	
<b>LOCATION</b> 100' FSL & 260' FWL		From KB	
<b>SECTION</b> 7 <b>TOWNSHIP</b> 10S <b>RANGE</b> 16W		<b>API</b> 15-163-24306-0000	
<b>COUNTY</b> ROOKS <b>STATE</b> KANSAS			
<b>CONTRACTOR</b> Discovery Drilling		<b>CASING</b>	
<b>SPUD</b> 08/20/2015	<b>COMP</b> 08/28/2015	SURFACE 8 5/8" 24# LS Casing set @ 222.26 KB w/ 150 x 55 AA/2	
<b>RTD</b> 3480' (-1524)	<b>LTD</b> 3481' (-1525)	PRODUCTION 5 1/2" 15.5# J-55 set @ 3467' w/ 150 x 55 AA/2	
<b>ELECTRICAL &amp; SURVEYS</b>			
CJ Casedhole Solutions: DIL			
CDL/CNL/PE, MEL/SONIC			

FORMATION TOPS	LOG	SAMPLES	CHRONOLOGY
ANHYDRITE	1148' (-810)	1147' (-809)	08/20/2015: MUD: Discovery Drilling, Spud well @ 12:30 PM. Set 8 5/8" 24# LS Casing @ 222.26 KB (212.26 casing 100'). Cemented Bit Drift Cement @ 212.26 casing. 2% oil & 3% CO <sub>2</sub> - CHERT (cont'd) @ 212.26 casing. Depth @ 7 AM: 2155'
BASE ANHYDRITE	1182' (-774)	1182' (-774)	08/22/2015: Depth @ 7 AM: 2880'
TOPEKA	2842' (-886)	2838' (-882)	08/22/2015: Depth @ 7 AM: 2155'
OREAD	3003' (-1047)	3004' (-1048)	08/21/2015: Depth @ 7 AM: 2155'
PLATTSMOUTH	3029' (-1021)	3027' (-1017)	08/22/2015: Depth @ 7 AM: 2155'
HEBNER	3069' (-1113)	3069' (1110)	08/22/2015: Depth @ 7 AM: 2880'
LANSING	3111' (-1155)	3108' (-1152)	08/22/2015: Depth @ 7 AM: 3040'
STARK	3309' (-1359)	3309' (-1349)	DST #2: Plattsmouth
BASE KANSAS CITY	3352' (-1387)	3350' (1394)	08/25/2015: Depth @ 7 AM: 3204'
COGLOMERATE	--	--	DST #3: Toronto & LKC 'A'-F, DST #4: LKC 'G'
ARBUCKLE	3463' (-1507)	3464' (-1508)	08/26/2015: Depth @ 7 AM: 3369'
LTD/RTD	3481' (-1525)	3480' (-1524)	08/27/2015: Depth @ 7 AM: 3480'
			DST #6: Arbutle (16' penetration)

**REMARKS:**

\*E-log logs by P. Ramonetta, Geologist, VCC

Responsibly submitted  
To: J. Martin, LANSING (Welllog)



**DIAMOND TESTING GENERAL REPORT**  
**Jake Fahrenbruch, Tester**  
Cell: (620) 282-8977 / Office: (800) 542-7313

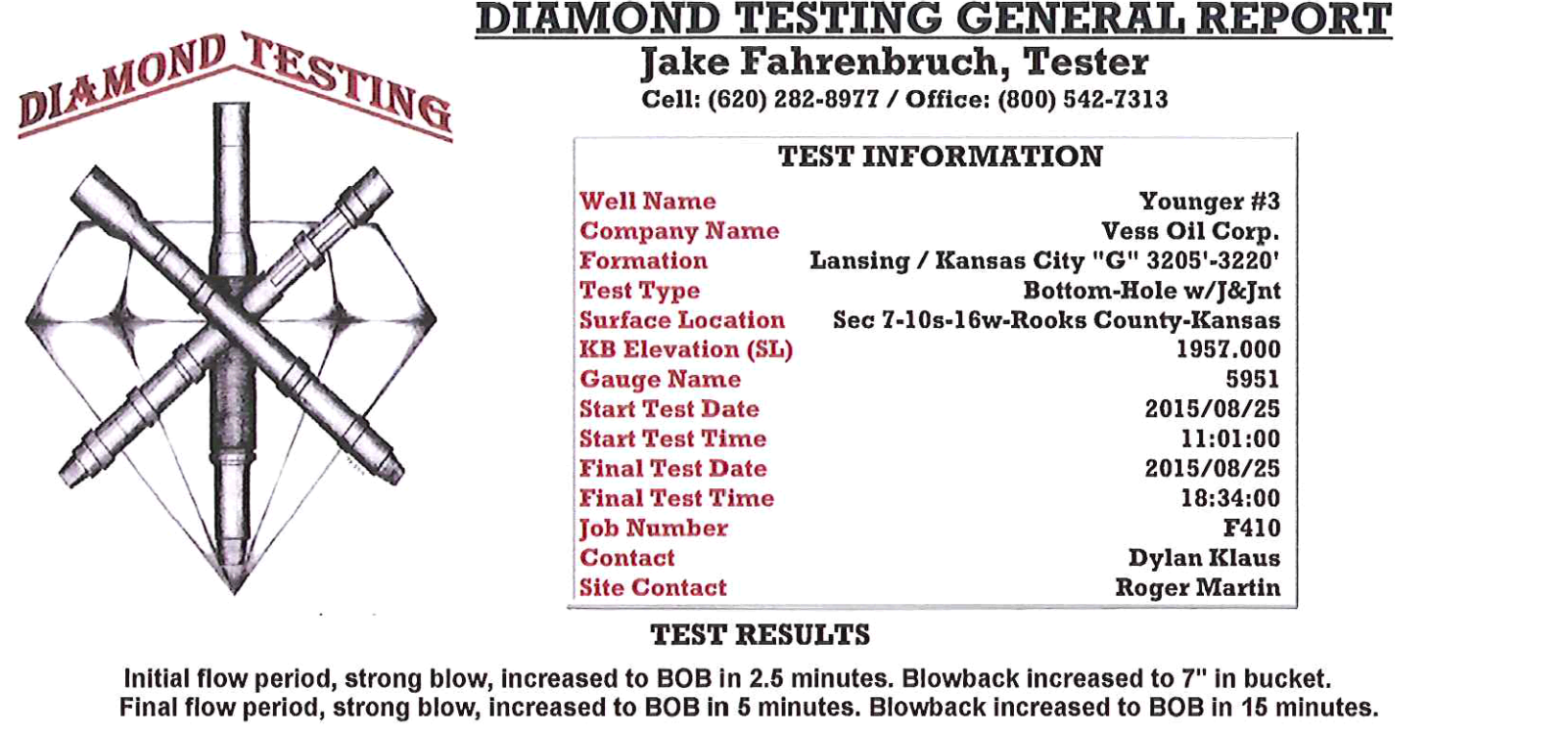
TEST INFORMATION	
Well Name	Younger #3
Company Name	Vess Oil Corp.
Formation	DST #1, Plattsmouth 3019-3040'
Test Type	Bottom-Hole w/ J&Jnt
Surface Location	Sec 7-10s-16w-Rooks County-KS
KB Elevation (St)	1957,000
Gauge Name	Bottom-Hole w/ J&Jnt
Start Test Date	2015/08/23
Final Test Date	2015/08/23
Job Number	1517
Contact	Dustin Klaus
Site Contact	Roger Martin

**TEST RESULTS**

Initial flow, tool sid 2" after opening, 2" blow, increased to 3". No blowback.  
Final flow, weak blow, increased to 1.25". No blowback.

Recovered 55' of WCM wirecase oil show, <1% oil, 10% wr, >84% mud

Tool Sample: SOCMCO 5% mud, 93% oil  
Chlorides: 32,000 PPM  
RW: .18 ohm @ 85 Deg F  
PH: 8.0



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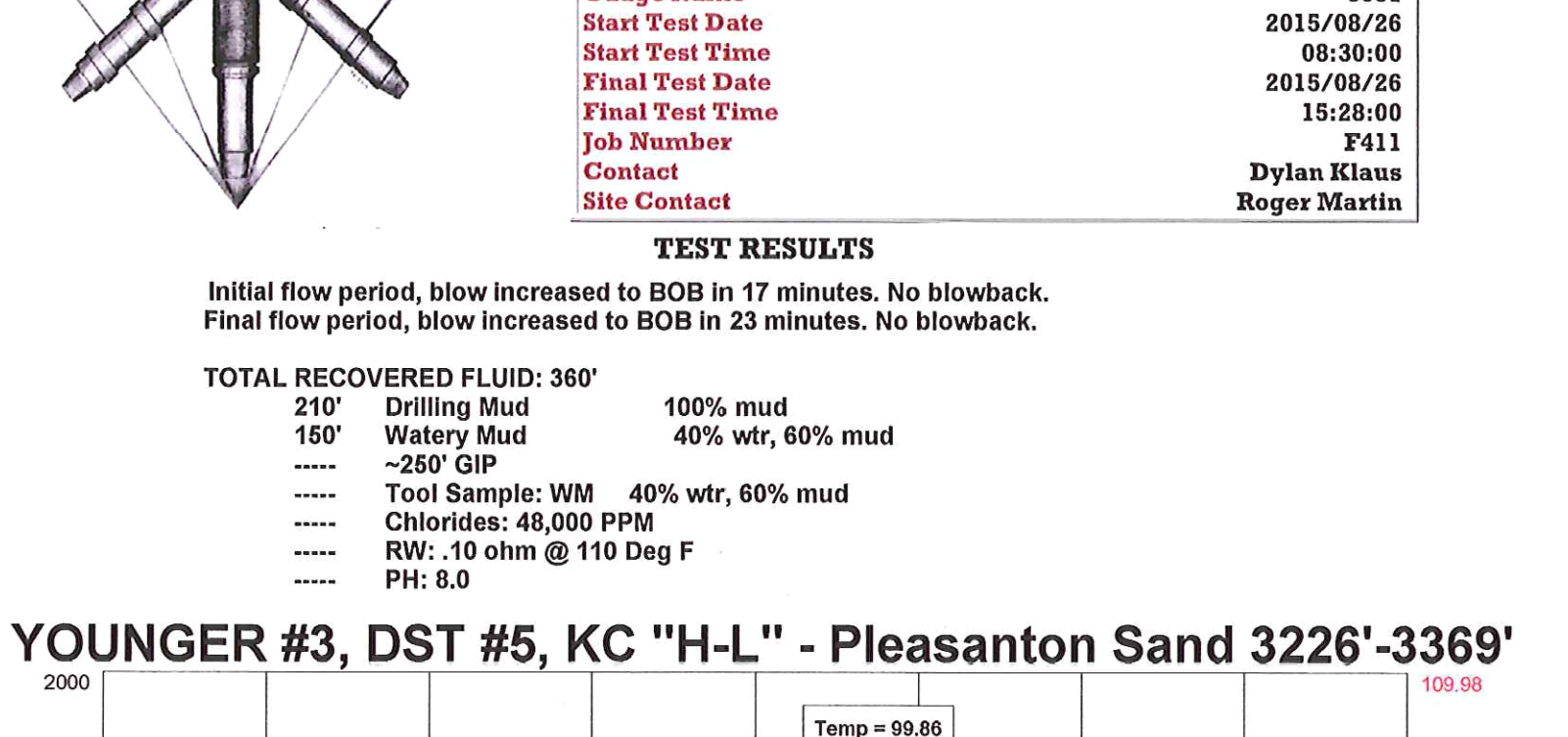
TEST INFORMATION	
Well Name	Younger #3
Company Name	Vess Oil Corp.
Formation	DST #2, Plattsmouth 3019-3040'
Test Type	Bottom-Hole w/ J&Jnt
Surface Location	Sec 7-10s-16w-Rooks County-KS
KB Elevation (St)	1957,000
Gauge Name	Bottom-Hole w/ J&Jnt
Start Test Date	2015/08/23
Final Test Date	2015/08/23
Job Number	1518
Contact	Dylan Klaus
Site Contact	Roger Martin

**TEST RESULTS**

Initial flow, blow increased to BOB in 15 minutes. No blowback.  
Final flow, blow increased to BOB in 10 minutes. No blowback.

**TOTAL FLUID RECOVERED: 140'**

Clean Oil 80%  
Clean Gassy Oil 16% gas, 93% oil  
GAWC Muddy Oil 15% gas, 37% oil, 13% wr, 35% mud  
360' GAS IN PIPE  
Chlorides: 37,500 PPM  
RW: .18 ohm @ 75 Deg F  
PH: 8.0



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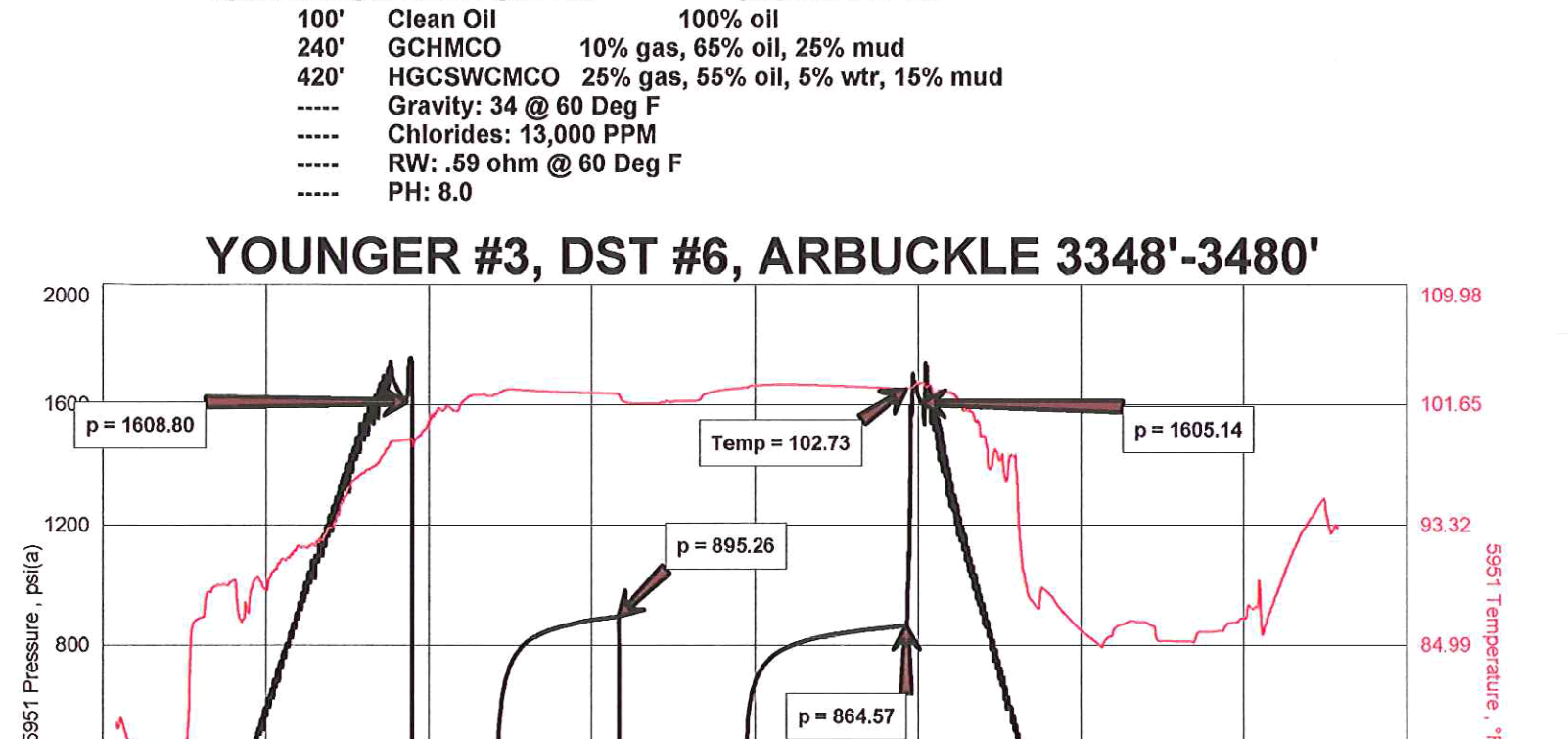
TEST INFORMATION	
Well Name	Younger #3
Company Name	Vess Oil Corp.
Formation	DST #3, Toronto - L/KC "A-F" 3061'-3204'
Test Type	Bottom-Hole w/ J&Jnt
Surface Location	Sec 7-10s-16w-Rooks County, Kansas
KB Elevation (St)	1957,000
Gauge Name	Bottom-Hole w/ J&Jnt
Start Test Date	2015/08/25
Final Test Date	2015/08/25
Job Number	1519
Contact	Dylan Klaus
Site Contact	Roger Martin

**TEST RESULTS**

Initial flow period, blow increased to BOB in 26 minutes. No blowback.  
Final flow period, blow increased to BOB in 10 minutes into final flow period.  
Tool completely plugged off 10 minutes into final flow period

**TOTAL FLUID RECOVERED: 19'**

SOCM 4% oil, 96% mud  
GSCOCM 16% gas, 45% oil, 81% mud  
RW: .62 ohm @ 60 Deg F  
PH: 7.0  
Chlorides: 14,600 PPM



**DIAMOND TESTING GENERAL REPORT**  
**Jake Fahrenbruch, Tester**  
Cell: (620) 282-8977 / Office: (800) 542-7313

TEST INFORMATION	
Well Name	Younger #3
Company Name	Vess Oil Corporation
Formation	DST #6, Arbutle 3348'-3480'
Test Type	Bottom-Hole w/ J&Jnt
Surface Location	Sec 7-10s-16w-Rooks County, Kansas
KB Elevation (St)	1957,000
Gauge Name	Bottom-Hole w/ J&Jnt
Start Test Date	2015/08/25
Final Test Date	2015/08/25
Job Number	1520
Contact	Dylan Klaus
Site Contact	Roger Martin

**TEST RESULTS**

Initial flow period, blow increased to BOB in 5.5 minutes. No blowback.  
Final flow period, blow increased to BOB in 5 minutes. Blowback increased to 7" in 16 minutes.

**TOTAL FLUID RECOVERED: 450'** Hyv/GCWCMMCO 25% gas, 50% oil, 10% wr, 16% mud

Tool Sample: SMCO 5% mud, 95% oil  
Gravity: 34 @ 60 Deg F  
Chlorides: 48,000 PPM  
RW: .09 ohm @ 110 Deg F  
PH: 8.0



**DIAMOND TESTING GENERAL REPORT**  
**Jake Fahrenbruch, Tester**  
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TEST INFORMATION	
Well Name	Younger #3
Company Name	Vess Oil Corporation
Formation	DST #6, Arbutle 3348'-3480'
Test Type	Bottom-Hole w/ J&Jnt
Surface Location	Sec 7-10s-16w-Rooks County, Kansas
KB Elevation (St)	1957,000
Gauge Name	Bottom-Hole w/ J&Jnt
Start Test Date	2015/08/25
Final Test Date	2015/08/25
Job Number	1521
Contact	Dylan Klaus
Site Contact	Roger Martin

**TEST RESULTS**

Initial flow period, blow increased to BOB in 17 minutes. No blowback.  
Final flow period, blow increased to BOB in 23 minutes. No blowback.

**TOTAL RECOVERED FLUID: 360'** GAS IN PIPE: 180'

Clean Oil 240'  
Drilling Mud 160'  
Watery Mud 40% wr, 60% mud  
-260' GIP  
Tool Sample: WM 40% wr, 60% mud  
Chlorides: 48,000 PPM  
RW: .10 ohm @ 110 Deg F  
PH: 8.0



**DIAMOND TESTING GENERAL REPORT**  
**Jake Fahrenbruch, Tester**  
Cell: (620) 282-8977 / Office: (800) 542-7313

TEST INFORMATION	
Well Name	Younger #3
Company Name	Vess Oil Corporation
Formation	DST #6, Arbutle 3348'-3480'
Test Type	Bottom-Hole w/ J&Jnt
Surface Location	Sec 7-10s-16w-Rooks County, Kansas
KB Elevation (St)	1957,000
Gauge Name	Bottom-Hole w/ J&Jnt
Start Test Date	2015/08/27
Final Test Date	2015/08/27
Job Number	1522
Contact	Dylan Klaus
Site Contact	Roger Martin

**TEST RESULTS**

Initial flow period, blow increased to BOB in 5.5 minutes. Blowback at 1".  
Final flow period, blow increased to BOB in 15 minutes. Blowback at 2".

**TOTAL RECOVERED FLUID: 760'** GAS IN PIPE: 180'

Clean Oil 240'  
Drilling Mud 160'  
Watery Mud 40% wr, 60% mud  
-260' GIP  
Tool Sample: WM 40% wr, 60% mud  
Chlorides: 48,000 PPM  
RW: .09 ohm @ 60 Deg F  
PH: 8.0





**BASIC**™ SEP 03 2015  
ENERGY SERVICES

PAGE	CUST NO	YARD #	INVOICE DATE
1 of 1	1004542	1718	09/01/2015
<b>INVOICE NUMBER</b>			
<b>91904538</b>			

Pratt (620) 672-1201

B VESS OIL CORPORATION  
I 1700 WATERFRONT PKWY BLDG 500  
L WICHITA  
L KS US 67206  
T  
O **ATTN:** ACCOUNTS PAYABLE

J **LEASE NAME** Younger 3  
O **LOCATION**  
B **COUNTY** Rooks  
S **STATE** KS  
I **JOB DESCRIPTION** Cement-New Well Casing/Pi  
T **JOB CONTACT**  
E

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40870717	86779		Net - 30 days	10/01/2015
<b>For Service Dates: 08/28/2015 to 08/28/2015</b>				
0040870717				
171812762A Cement-New Well Casing/Pi 08/28/2015 Cement 5 1/2" Longstring Two Stage				
AA2 Cement		180.00 EA	8.16	1,468.80 T
A-Con Blend Common		185.00 EA	8.64	1,598.40 T
Celloflake		93.00 EA	1.78	165.17 T
C-41P		34.00 EA	1.92	65.28 T
Salt		833.00 EA	0.24	199.92 T
FLA-322		136.00 EA	3.60	489.60 T
Calcium Chloride		522.00 EA	0.50	263.09 T
Mud Flush		500.00 EA	0.72	360.00 T
Gilsonite		905.00 EA	0.32	291.05 T
"Two Stage Cement Collar, 5 1/2" (Blue)		1.00 EA	2,159.99	2,159.99
"Cmt. Shoe Packer Type, 5 1/2" (Blue) "		1.00 EA	1,344.00	1,344.00
"Turbolizer, 5 1/2" (Blue)"		6.00 EA	52.80	316.80
"5 1/2" Basket (Blue)"		2.00 EA	139.20	278.40
"Unit Mileage Chg (PU, cars one way)"		100.00 MI	2.16	216.00
Heavy Equipment Mileage		200.00 MI	3.60	720.00
"Proppant & Bulk Del. Chgs., per ton mil		1,720.00 EA	1.20	2,064.00
Depth Charge; 3001-4000'		1.00 EA	1,036.80	1,036.80
Blending & Mixing Service Charge		365.00 BAG	0.67	245.28
Plug Container Util. Chg.		1.00 EA	120.00	120.00
"Service Supervisor, first 8 hrs on loc.		1.00 EA	84.00	84.00

PLEASE REMIT TO:

SEND OTHER CORRESPONDENCE TO:

BASIC ENERGY SERVICES, LP  
PO BOX 841903  
DALLAS, TX 75284-1903

BASIC ENERGY SERVICES, LP  
801 CHERRY ST, STE 2100  
FORT WORTH, TX 76102

<b>SUB TOTAL</b>	<b>13,486.58</b>
<b>TAX</b>	<b>343.09</b>
<b>INVOICE TOTAL</b>	<b>13,829.67</b>



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

FIELD SERVICE TICKET  
1718 12762 A

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

DATE OF JOB 08-28-15		DISTRICT Pratt KS		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/>		PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/>		CUSTOMER ORDER NO.:	
CUSTOMER VESS OIL				LEASE Younger		3		WELL NO.	
ADDRESS				COUNTY Rooks		STATE KS			
CITY				STATE		SERVICE CREW Sullivan, Frank, Preece			
AUTHORIZED BY				JOB TYPE: CNW Two Stage Log String					
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
							8-28-15	PM	4:00
86779	2	ba				ARRIVED AT JOB		AM	7:00
19862	1					START OPERATION		AM	11:05
						FINISH OPERATION		AM	3:00
						RELEASED		AM	3:45
						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: \_\_\_\_\_  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP 105	150 sk AA-2 cement	sk	150		2,550.00
CP 101	A-COD cement	sk	185		3,330.00
CP 105	AA-2 cement	sk	30		510.00
CC 102	Cellulose	lb	46		170.20
CC 105	C-41P	lb	34		136.00
CC 111	SALT	lb	833		416.50
CC 129	714-522	lb	136		1,020.00
CC 201	Gilsonite	lb	905		606.35
CC 102	Cellulose	lb	47		173.90
CC 109	Calumet chloride	lb	522		548.10
CF 451	Two Stage Collum 5 1/2"	SA	1		4,300.00
CF 1051	Cement Packin Stone	SR	1		2,800.00
CF 1051	Turbidizer	SA	6		660.00
CF 1901	BASKET	SA	2		580.00
CC 151	MUD Thick	MC	500		750.00

CHEMICAL / ACID DATA:			

SUB TOTAL		
SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		161

SERVICE REPRESENTATIVE Robert Miller	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: Roger Martin (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
FIELD SERVICE ORDER NO.	



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

FIELD SERVICE TICKET  
 1718 ~~12762~~ A  
 Continuations of

DATE \_\_\_\_\_ TICKET NO. 12762

DATE OF JOB <u>08-28-15</u> DISTRICT <u>PRATT KS</u>		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:							
CUSTOMER <u>Vess Oil</u>		LEASE <u>YOUNGER</u> <u>3</u> WELL NO.							
ADDRESS		COUNTY <u>Rooks</u> STATE <u>KS</u>							
CITY STATE		SERVICE CREW							
AUTHORIZED BY		JOB TYPE: <u>CNW Two STAIR-LOU 94</u>							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM PM	TIME
						ARRIVED AT JOB		AM PM	
						START OPERATION		AM PM	
						FINISH OPERATION		AM PM	
						RELEASED		AM PM	
						MILES FROM STATION TO WELL			

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

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SIGNED: \_\_\_\_\_  
 (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
E 100	Perky m	m	100		450 00
E 101	Heavy Spt m	m	200		1,500 00
E 113	Bulk Moly	TON	1770		4,300 00
CE 204	Dep't chng 3000-4000	54	1		2,160 00
CE 240	Blending mix	9K	365		510 00
CE 504	Hy Conton Mital	5L	1		250 00
S 003	Schum's Inj	5L	1		175 00

CHEMICAL / ACID DATA:			

SUB TOTAL		28,097.05
SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		13,486.58

SERVICE REPRESENTATIVE Robert Fuller

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

FIELD SERVICE ORDER NO.





ASIC Energy Services, L.P.

**TREATMENT REPORT**

Customer: <i>VESS oil</i>	Lease No.:	Date: <i>08-28-15</i>
Lease: <i>YOUNG R</i>	Well #: <i>3</i>	
Field Order #: <i>17762</i>	Station: <i>PRATT KS</i>	Casing: <i>5 1/2</i>
Type Job: <i>CANW 5 1/2" LUG STY</i>	Formation:	Legal Description: <i>7-10-16</i>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size: <i>5 1/2</i>	Tubing Size: <i>4 1/2</i>	Shots/Ft:		Acid:	RATE:	PRESS:	ISIP:	
Depth: <i>3467</i>	Depth: <i>1170</i>	From:	To:	Pre Pad:	Max:		5 Min.	
Volume: <i>514</i>	Volume: <i>28</i>	From:	To:	Pad:	Min:		10 Min.	
Max Press:	Max Press:	From:	To:	Frac:	Avg:		15 Min.	
Well Connection: <i>2.000</i>	Annulus Vol.:	From:	To:		HHP Used:		Annulus Pressure:	
Plug Depth: <i>375</i>	Packer Depth:	From:	To:	Flush:	Gas Volume:		Total Load:	

Customer Representative:	Station Manager: <i>DAVE SOTT</i>	Treater: <i>Robert Fuller</i>
Service Units: <i>27900 78982 86777 17960 17862</i>		
Driver Names: <i>Fuller Franklin</i>	<i>Pratt</i>	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>6:45</i>					<i>on loc.</i>
					<i>Run 5 1/2" exp. w/ packer SAGE AND DV Tool DV @ 1170'</i>
					<i>CAE/DV on Bottom</i>
<i>7:35</i>					<i>Hook Up Break circ.</i>
<i>10:45</i>	<i>1600</i>				<i>Drop Ball cut Packer Slip and circ.</i>
<i>11:05</i>			<i>5</i>		<i>1st spacer</i>
			<i>12</i>		<i>1st mixed fluid</i>
			<i>5</i>		<i>1st spacer</i>
			<i>36</i>		<i>mix cut 150 sk AA 2 cut</i>
					<i>cut mixed spur down wash pump 1 day</i>
			<i>54</i>		<i>Release Plug</i>
			<i>28</i>		<i>1st Disrupt #2</i>
			<i>80</i>		<i>1st mixed</i>
<i>11:45</i>	<i>1300</i>				<i>plug down</i>
					<i>Return PSI check fluid</i>
<i>11:55</i>					<i>DROP DV SPURIN Tool</i>
<i>12:00</i>	<i>900</i>		<i>6</i>		<i>SPURIN DV AND circ.</i>



Energy services, L.P.

TREATMENT REPORT

Customer: *WBS oil co.* Lease No. *2 of 2* Date: *08 28 15*  
 Lease: *younger* Well #: *3*  
 Field Order #: *12762* Station: *PR4-T1 K1* Casing: *5 7/8"* Depth: *1170'* County: *Rock* State: *K1*  
 Type Job: *CO2 2 1/4 longline* Formation: *7-70/8* Legal Description: *7-70/8*

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
<i>5 7/8"</i>	<i>4 1/2"</i>	From	To	Pre Pad		Max		5 Min.
Depth <i>1170'</i>	Depth <i>1170'</i>	From	To	Pad		Min		10 Min.
Volume <i>28</i>	Volume	From	To	Frac		Avg		15 Min.
Max Press <i>1500</i>	Max Press	From	To	Flush		HHP Used		Annulus Pressure
Well Connection	Annulus Vol.	From	To			Gas Volume		Total Load
Plug Depth <i>1170'</i>	Packer Depth	From	To					

Customer Representative: \_\_\_\_\_ Station Manager: *DAVE SOLT* Treater: *Robert [Signature]*

Service Units: \_\_\_\_\_  
 Driver Names: \_\_\_\_\_

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>2:19</i>	<i>100</i>		<i>81</i>	<i>5</i>	<i>It mixes A-CO2 cont 185-11 cont mixture stop down and low, put Release Plug</i>
<i>2:50</i>	<i>2,000</i>		<i>29</i>	<i>4</i>	<i>It Drop! lit! B. Slow Rate plug down</i>
			<i>7</i>		<i>cont. 15 sec cont pit plug All of 30 sec down</i>
					<i>Solt Good!</i>



Customer Vess Oil Corporation		Lease No.		Date 8-20-2011	
Lease Fountain		Well # 3			
Field Order # 12219	Station PES-111	Casing 8 1/2"	Depth 222	County ROCK	State KS
Type Job CNU/ 8 1/2" SURF			Formation TD-222	Legal Description 7-108-16W	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
8 1/2"				Pre Pad	Max		5 Min.	
Depth 222	Depth	From	To	Pad	Min		10 Min.	
Volume 1M	Volume	From	To	Frac	Avg		15 Min.	
Max Press	Max Press	From	To		HHP Used		Annulus Pressure	
Well Connection	Annulus Vol.	From	To	Flush Freshwater	Gas Volume		Total Load	
Plug Depth 220	Packer Depth	From	To					

Customer Representative	Station Manager Kevin Golek	Treater Darin Franklin
-------------------------	--------------------------------	---------------------------

Service Units	92911	27463	19903	19860					
Driver Names	Darin	Shawn	EJ	FJ					

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
5:30 pm					On location / safety meeting
					175 slk 60/40 P02 2% G-1, 2% ACC
					1/4 # Cell 1500
5:45 pm	200		3	5	Pump 3 bbls w 900
	200		37	5	mix 175 slk cement
	200		12 3/4	5	Disperse 12 3/4 bbls w 900
6:15 pm					Shut in
					Cement 200 Circulate
					Job complete / Darin to crew
					Physic vol!!!

# DIAMOND TESTING GENERAL REPORT

**Jake Fahrenbruch, Tester**

Cell: (620) 282-8977 / Office: (800) 542-7313



## TEST INFORMATION

<b>Well Name</b>	Younger #3
<b>Company Name</b>	Vess Oil Corp.
<b>Formation</b>	DST #1, Topeka 2860'-2880'
<b>Test Type</b>	Bottom-Hole w/J&Jnt
<b>Surface Location</b>	Sec 7-10s-16w-Rooks County-KS
<b>KB Elevation (SL)</b>	1957.000
<b>Gauge Name</b>	5951
<b>Start Test Date</b>	2015/08/23
<b>Start Test Time</b>	10:12:00
<b>Final Test Date</b>	2015/08/23
<b>Final Test Time</b>	16:58:00
<b>Job Number</b>	F407
<b>Contact</b>	Dustin Klaus
<b>Site Contact</b>	Roger Martin

## TEST RESULTS

Initial flow, tool slid 2" after opening, 2" blow, increased to 3". No blowback.  
 Final flow, weak blow, increased to 1.25". No blowback.

Recovered 55' of WCM w/trace oil show, <1% oil, 15% wtr, >84% mud

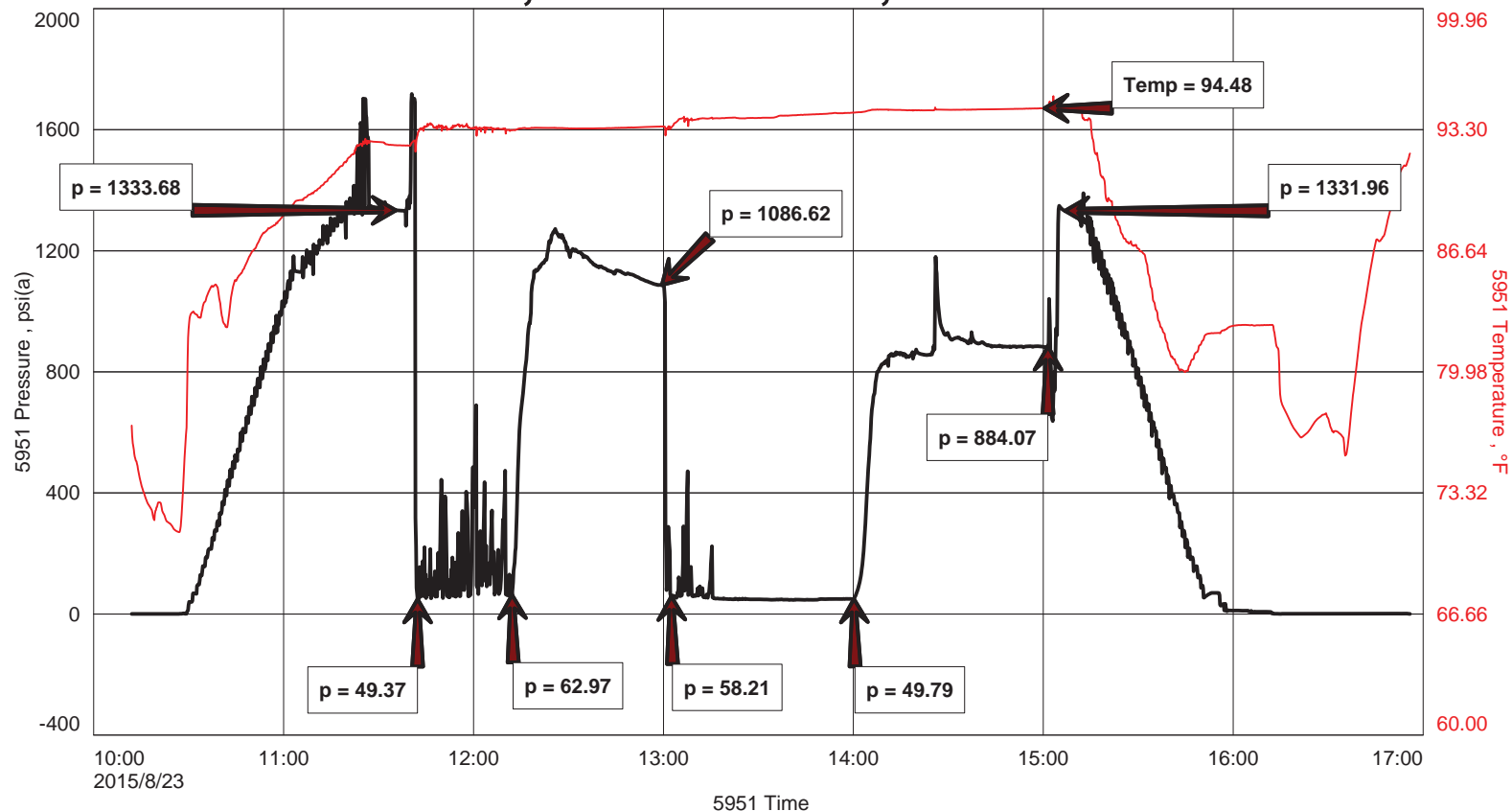
Tool Sample: SOCWCM, 5% oil, 10% wtr, 85% mud

Chlorides: 32,000 PPM

RW: .18 ohm @ 85 Deg F

PH: 8.0

## DST #1, YOUNGER #3, 2860'-2880'





**DIAMOND TESTING**  
 P.O. Box 157  
 HOISINGTON, KANSAS 67544  
 (800) 542-7313  
**DRILL-STEM TEST TICKET**  
 FILE: YOUNGER 3 DST 1

ON LOCATION:	<u>09:35</u>
START RECORDERS:	<u>10:12</u>
STOP RECORDERS:	<u>16:58</u>

Company VESS OIL CORP. Lease & Well No. YOUNGER #3  
 Contractor DISCOVERY REG #4 Charge to VESS OIL CORP.  
 Elevation 1957' KB Formation TOPEKA Effective Pay \_\_\_\_\_ Ft. Ticket No. F407  
 Date 8-23-15 Sec. 7 Twp. 10s Range 16w County ROOKS State KANSAS  
 Test Approved By ROGER & PENNY & BEAST MARDEN Diamond Representative \_\_\_\_\_ JAKE FAHRENBRUCH

Formation Test No. 1 Interval Tested from 2860 ft. to 2880 ft. Total Depth 2880 ft.  
 Packer Depth 2855 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Packer Depth 2860 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 2843 ft. Recorder Number 5584 Cap. 5000 P.S.I.  
 Bottom Recorder Depth (Outside) 2861 ft. Recorder Number 5951 Cap. 5000 P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 49 (2" LCM) Drill Collar Length 30 ft. I.D. 2 1/4 in.  
 Weight 8.7 Water Loss 9.6 cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
 Chlorides 8800 P.P.M. Drill Pipe Length 2797 ft. I.D. 3 1/2 in.  
 Jars: Make STERLING Serial Number #5 J & JNT Test Tool Length 33 ft. Tool Size 3 1/2-IF in.  
 Did Well Flow? \_\_\_\_\_ Reversed Out \_\_\_\_\_ Anchor Length 20 ft. Size 4 1/2-FH in.  
 Main Hole Size 7 7/8 Tool Joint Size \_\_\_\_\_ in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: SLID 2', 2" BLOW, INCREASED TO 3" NO BLOWBACK.  
 2nd Open: WEAK BLOW, INCREASED TO 1 1/4" NO BLOWBACK.

Recovered 55 ft. of WCM w/TRACE OIL SHOW <1" OIL, 15" WTR, >84" MUD  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of ~~WCM~~

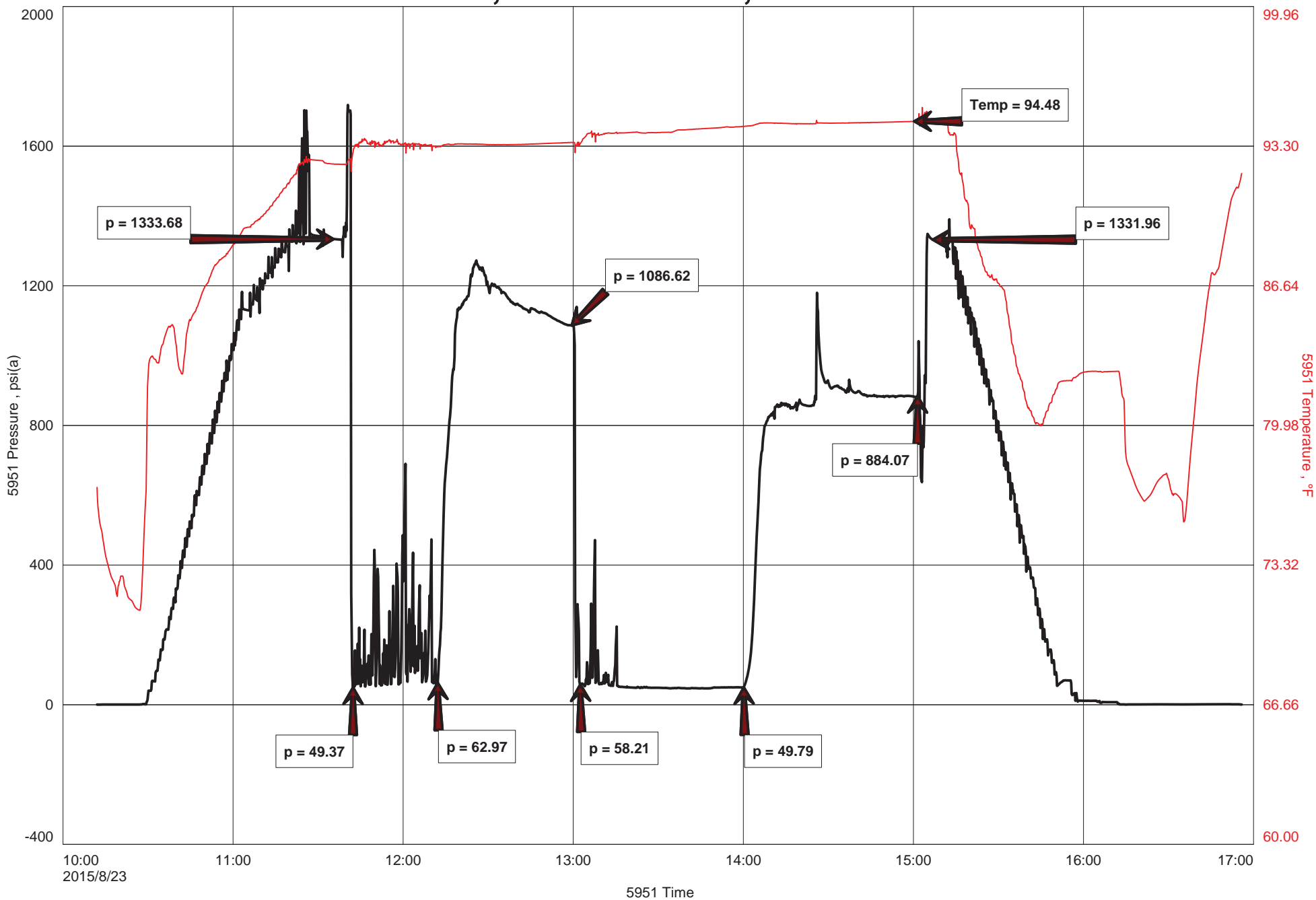
Recovered _____ ft. of <u>TOOL SAMPLE: SOC WCM (≈ 5% oil) 10" w, 85" m</u>	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>CHLORIDES: 32,000 PPM</u>	<u>J &amp; JNT</u>
<u>RW: .18 Ω @ 85°F</u>	<u>253 MRT (PRAT)</u>
<u>PH: 8.0</u>	Total

Time Set Packer(s) 11:45 A.M. P.M. Time Started Off Bottom 15:00 A.M. P.M. Maximum Temperature 94°F

Initial Hydrostatic Pressure..... (A) 1334 P.S.I.  
 Initial Flow Period..... Minutes 30 (B) 49 P.S.I. to (C) 63 P.S.I.  
 Initial Closed In Period..... Minutes 45 (D) 1087 P.S.I.  
 Final Flow Period..... Minutes 60 (E) 58 P.S.I. to (F) 50 P.S.I.  
 Final Closed In Period..... Minutes 60 (G) 884 P.S.I. THANKS!  
 Final Hydrostatic Pressure..... (H) 1332 P.S.I. Jake Fahrenbruch

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# DST #1, YOUNGER #3, 2860'-2880'





**DIAMOND TESTING**  
 P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
 (800) 542-7313  
**DRILL-STEM TEST TICKET**  
 FILE: YOUNGER3DST1

TIME ON: 10:12  
 TIME OFF: 16:58

Company Vess Oil Corp. Lease & Well No. Younger #3  
 Contractor Discovery Drilling Rig #4 Charge to Vess Oil Corp.  
 Elevation 1957' KB Formation Topeka Effective Pay \_\_\_\_\_ Ft. Ticket No. F407  
 Date 8-23-15 Sec. 7 Twp. 10s S Range 16w W County Rooks State KANSAS  
 Test Approved By Roger & Pinky & Beast Martin Diamond Representative Jake Fahrenbruch

Formation Test No. 1 Interval Tested from 2860 ft. to 2880 ft. Total Depth 2880 ft.  
 Packer Depth 2855 ft. Size 6 3/4 in. Packer depth ----- ft. Size 6 3/4 in.  
 Packer Depth 2860 ft. Size 6 3/4 in. Packer depth ----- ft. Size 6 3/4 in.  
 Depth of Selective Zone Set -----

Top Recorder Depth (Inside) 2843 ft. Recorder Number 5584 Cap. 5000 P.S.I.  
 Bottom Recorder Depth (Outside) 2861 ft. Recorder Number 5951 Cap. 5000 P.S.I.  
 Below Straddle Recorder Depth ----- ft. Recorder Number ----- Cap. ----- P.S.I.

Mud Type CHEMICAL Viscosity 49 (2# LCM) Drill Collar Length 30 ft. I.D. 2 1/4 in.  
 Weight 8.7 Water Loss 9.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
 Chlorides 8,800 P.P.M. Drill Pipe Length 2,797 ft. I.D. 3 1/2 in.  
 Jars: Make STERLING Serial Number #5 J,J Test Tool Length 33 ft. Tool Size 3 1/2-IF in.  
 Did Well Flow? NO Reversed Out NO Anchor Length 20 ft. Size 4 1/2-FH in.  
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Tool slid 2', 2" blow, increased to 3". No blowback.  
 2nd Open: Weak blow, increased to 1.25". No blowback.

Recovered 55 ft. of WCM w/trace oil show <1% oil, 15% wtr, >84% mud  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of Tool sample: SOCWCM 5% oil, 10% wtr, 85% mud  
 Remarks: Chlorides: 32,000 PPM  
RW: .18 ohm @ 85 Deg F  
PH: 8.0

Time Set Packer(s) 11:45 A.M. P.M. Time Started Off Bottom 15:00 A.M. P.M. Maximum Temperature 94 F

Initial Hydrostatic Pressure..... (A) 1334 P.S.I.  
 Initial Flow Period..... Minutes 30 (B) 49 P.S.I. to (C) 63 P.S.I.  
 Initial Closed In Period..... Minutes 45 (D) 1087 P.S.I.  
 Final Flow Period..... Minutes 60 (E) 58 P.S.I. to (F) 50 P.S.I.  
 Final Closed In Period..... Minutes 60 (G) 884 P.S.I.  
 Final Hydrostatic Pressure..... (H) 1332 P.S.I.

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# DIAMOND TESTING GENERAL REPORT

**Jake Fahrenbruch, Tester**

Cell: (620) 282-8977 / Office: (800) 542-7313



## TEST INFORMATION

<b>Well Name</b>	Younger #3
<b>Company Name</b>	Vess Oil Corp.
<b>Formation</b>	DST #2, Plattsmouth 3015'-3040'
<b>Test Type</b>	Bottom-Hole w/J&Jnt
<b>Surface Location</b>	Sec 7-10s-16w-Rooks County-KS
<b>KB Elevation (SL)</b>	1957.000
<b>Gauge Name</b>	5951
<b>Start Test Date</b>	2015/08/24
<b>Start Test Time</b>	04:45:00
<b>Final Test Date</b>	2015/08/24
<b>Final Test Time</b>	11:02:00
<b>Job Number</b>	F408
<b>Contact</b>	Dylan Klaus
<b>Site Contact</b>	Roger Martin

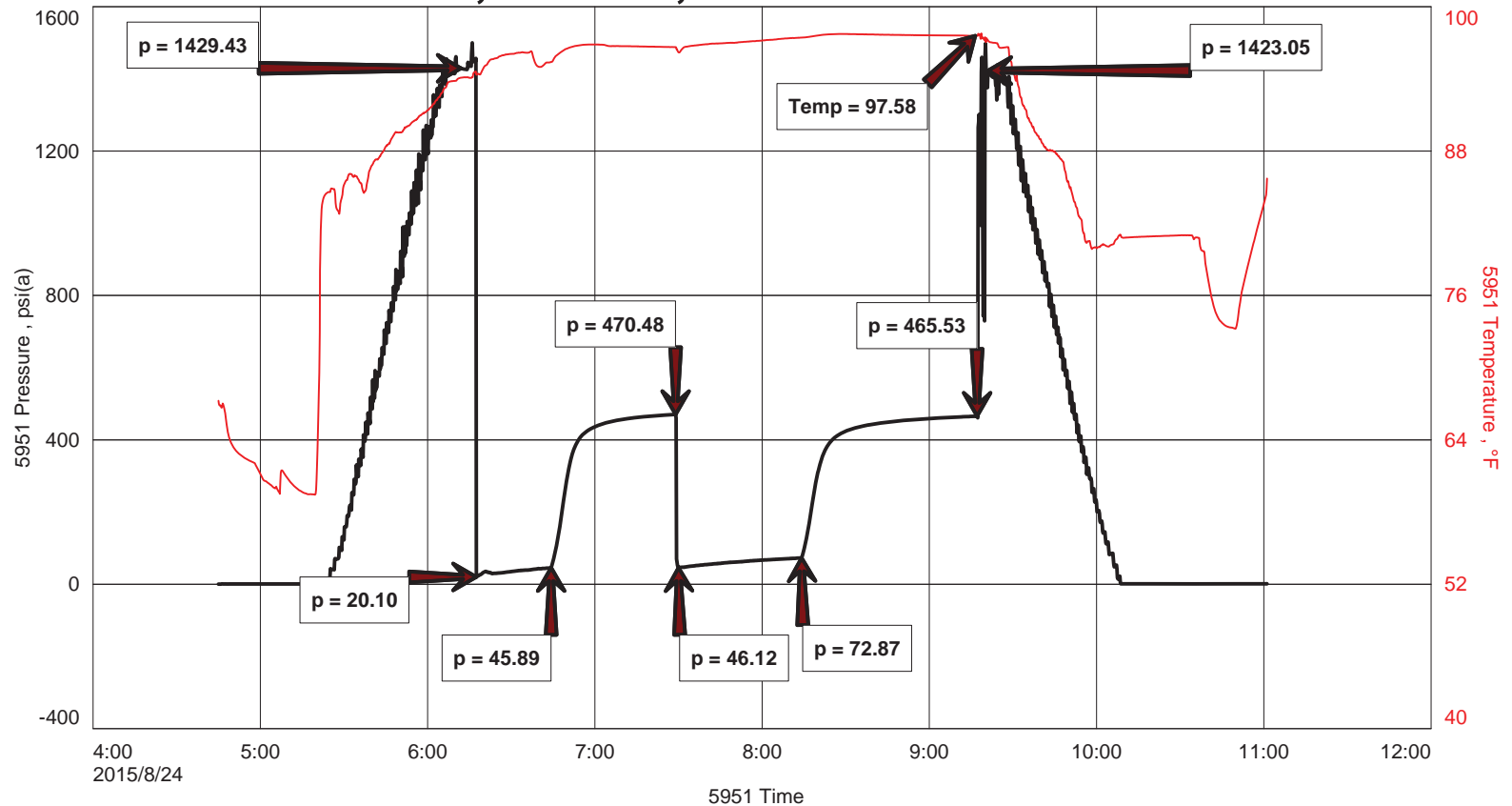
## TEST RESULTS

Initial flow, blow increased to BOB in 15 minutes. No blowback.  
Final flow, blow increased to BOB in 10 minutes. No blowback.

TOTAL FLUID RECOVERED: 140'

80'	Clean Gassy Oil	7% gas, 93% oil
60'	G&WC Muddy Oil	15% gas, 37% oil, 13% wtr, 35% mud
----	350' GAS IN PIPE	
----	Chlorides: 37,500 PPM	
----	RW: .18 ohm @ 75 Deg F	
----	PH: 8.0	

## YOUNGER #3, DST #2, PLATTSMOUTH 3015'-3040'





DIAMOND TESTING  
 P.O. Box 157  
 HOISINGTON, KANSAS 67544  
 (800) 542-7313  
 DRILL-STEM TEST TICKET  
 FILE: YOUNGER 3DST2

ON LOCATION: 04:30  
 START RECORDERS: 04:45  
 STOP RECORDERS: 11:02

Company VESS OIL CORP Lease & Well No. YOUNGER #3  
 Contractor DISCOVERY DRUG REG #4 Charge to VESS OIL CORP  
 Elevation 1957' KB Formation PLATTSMOUTH Effective Pay --- Ft. Ticket No. F 408  
 Date 8-24-15 Sec. 7 Twp. 10s Range 16W County ROOKS State KANSAS  
 Test Approved By ROGER MARTIN Diamond Representative JAKE FAHRENBRUCH

Formation Test No. 2 Interval Tested from 3015 ft. to 3040 ft. Total Depth 3040 ft.  
 Packer Depth 3010 ft. Size 6 3/4 in. Packer depth --- ft. Size 6 3/4 in.  
 Packer Depth 3015 ft. Size 6 3/4 in. Packer depth --- ft. Size 6 3/4 in.  
 Depth of Selective Zone Set ---

Top Recorder Depth (Inside) 3016 ft. Recorder Number 5951 Cap. 5000 P.S.I.  
 Bottom Recorder Depth (Outside) 3016 ft. Recorder Number 5584 Cap. 5000 P.S.I.  
 Below Straddle Recorder Depth --- ft. Recorder Number --- Cap. --- P.S.I.

Mud Type CHEMICAL Viscosity 51 (2# LCM) Drill Collar Length 30 ft. I.D. 2 1/4 in.  
 Weight 8.9 Water Loss 9.6 cc. Weight Pipe Length --- ft. I.D. 2 7/8 in.  
 Chlorides 8800 P.P.M. Drill Pipe Length 2957 ft. I.D. 3 1/2 in.  
 Jars: Make STERLING Serial Number #5 J&JMT Test Tool Length 28 ft. Tool Size 3 1/2-IF in.  
 Did Well Flow? --- Reversed Out --- Anchor Length 25 ft. Size 4 1/2-FH in.  
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2" XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: BLOW INCREASED TO BOB IN 15 MINUTES. NO BLOWBACK.  
 2nd Open: BLOW INCREASED TO BOB IN 10 MINUTES.

Recovered 80 ft. of CLEAN GASSY OIL 7" GAS, 93" OIL  
 Recovered 60 ft. of G&WC Muddy Oil 15" GAS, 37" OIL, 13" WTR, 35" MUD  
 Recovered --- ft. of ---

Recovered --- ft. of 350' GAS IN PIPE  
 Recovered --- ft. of TOOL SAMPLE: SGC WC MD, 5' 45" 20" W 30" Price Job  
 Recovered --- ft. of CHLORIDES: 37,500 PPM Other Charges

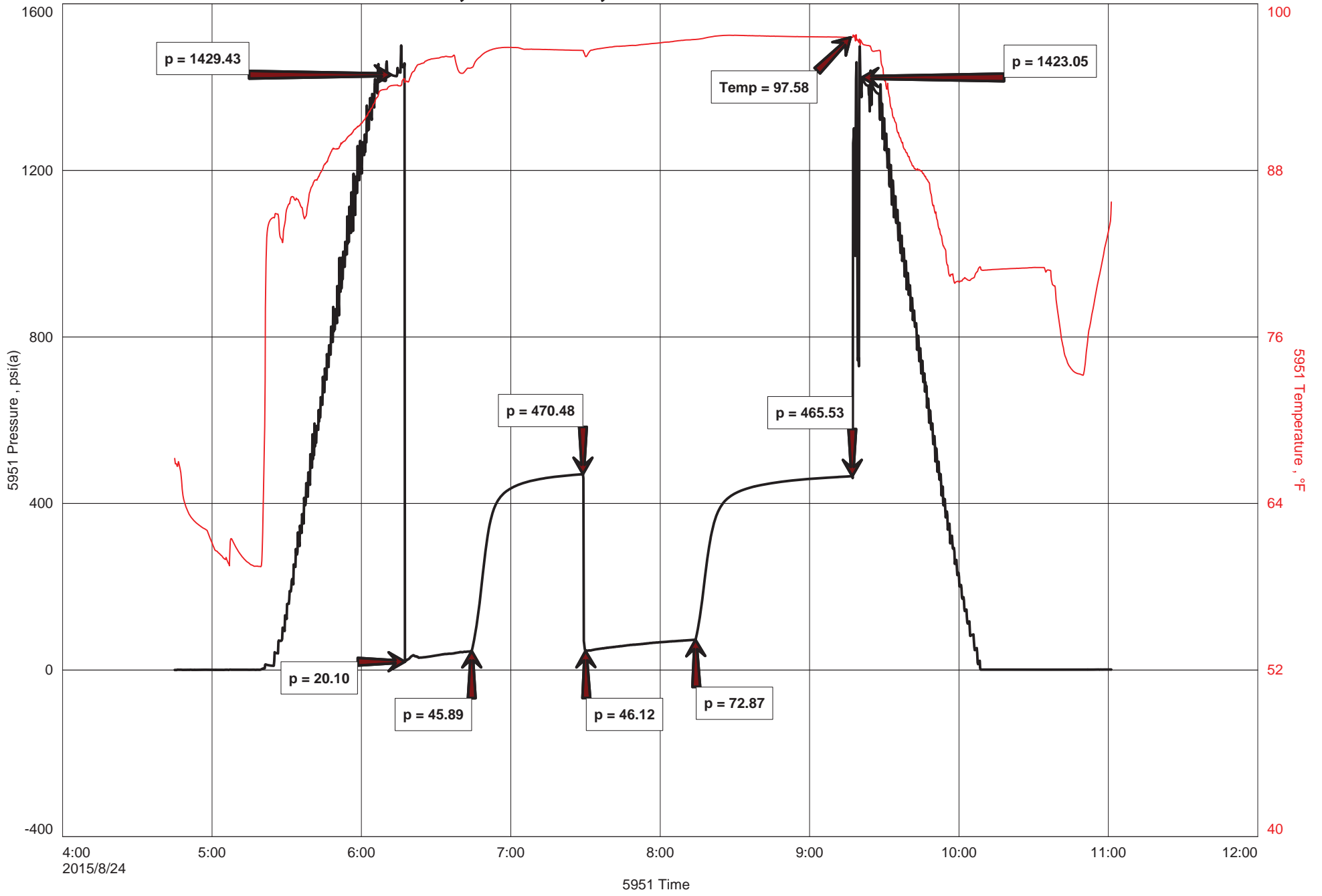
Remarks: RW: .18 Ω @ 75' F J&JMT  
PH: 8.0 30 MRI (PAWENVILLE)  
TOTAL FLUID RECOVERED: 140' Total

Time Set Packer(s) 06:15 A.M. P.M. Time Started Off Bottom 09:15 A.M. P.M. Maximum Temperature 98°F

Initial Hydrostatic Pressure..... (A) 1429 P.S.I.  
 Initial Flow Period..... Minutes 30 (B) 20 P.S.I. to (C) 46 P.S.I.  
 Initial Closed In Period..... Minutes 45 (D) 470 P.S.I.  
 Final Flow Period..... Minutes 45 (E) 46 P.S.I. to (F) 73 P.S.I.  
 Final Closed In Period..... Minutes 60 (G) 466 P.S.I. THANKS!  
 Final Hydrostatic Pressure..... (H) 1423 P.S.I. Jake Fahrenbruch

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# YOUNGER #3, DST #2, PLATTSMOUTH 3015'-3040'





**DIAMOND TESTING**  
 P.O. Box 157  
 HOISINGTON, KANSAS 67544  
 (800) 542-7313

TIME ON: 04:45  
 TIME OFF: 11:02

**DRILL-STEM TEST TICKET**  
 FILE: YOUNGER3DST2

Company Vess Oil Corp. Lease & Well No. Younger #3  
 Contractor Discovery Drilling Rig #4 Charge to Vess Oil Corp.  
 Elevation 1957' KB Formation Topeka Effective Pay \_\_\_\_\_ Ft. Ticket No. F408  
 Date 8-24-15 Sec. 7 Twp. \_\_\_\_\_ 10s S Range 16w W County Rooks State KANSAS  
 Test Approved By Roger Martin Diamond Representative Jake Fahrenbruch

Formation Test No. 2 Interval Tested from 3015 ft. to 3040 ft. Total Depth 3040 ft.  
 Packer Depth 3010 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Packer Depth 3015 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3016 ft. Recorder Number 5951 Cap. 5000 P.S.I.  
 Bottom Recorder Depth (Outside) 3016 ft. Recorder Number 5584 Cap. 5000 P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
 Mud Type CHEMICAL Viscosity 51 (2# LCM) Drill Collar Length 30 ft. I.D. 2 1/4 in.  
 Weight 8.9 Water Loss 9.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
 Chlorides 8,800 P.P.M. Drill Pipe Length 2,957 ft. I.D. 3 1/2 in.  
 Jars: Make STERLING Serial Number #5 J,J Test Tool Length 28 ft. Tool Size 3 1/2-IF in.  
 Did Well Flow? NO Reversed Out NO Anchor Length 25 ft. Size 4 1/2-FH in.  
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Blow increased to BOB in 15 minutes. No blowback.  
 2nd Open: Blow increased to BOB in 10 minutes. No blowback.

Recovered 80 ft. of Clean Gassy Oil 7% gas, 93% oil  
 Recovered 60 ft. of G&WC Muddy Oil 15% gas, 37% oil, 13% wtr, 35% mud  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of 350' GAS IN PIPE

Recovered _____ ft. of <u>Tool Sample: SGCWCMO 5%G-45%O-20%W-30%M</u>	Price Job
Recovered _____ ft. of <u>Chlorides: 37,500 PPM</u>	Other Charges
Remarks: <u>RW: .18 ohm @ 75 Deg F</u>	Insurance
<u>PH: 8.0</u>	
<b>TOTAL RECOVERED FLUID: 350'</b>	Total

Time Set Packer(s) 06:15 A.M. P.M. Time Started Off Bottom 09:15 A.M. P.M. Maximum Temperature 98 F  
 Initial Hydrostatic Pressure..... (A) 1429 P.S.I.  
 Initial Flow Period..... Minutes 30 (B) 20 P.S.I. to (C) 46 P.S.I.  
 Initial Closed In Period..... Minutes 45 (D) 470 P.S.I.  
 Final Flow Period..... Minutes 45 (E) 46 P.S.I. to (F) 73 P.S.I.  
 Final Closed In Period..... Minutes 60 (G) 466 P.S.I.  
 Final Hydrostatic Pressure..... (H) 1423 P.S.I.

Diamond Testing shall not be liable for damages of any kind to 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 statement or opinion concerning the result 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.

# DIAMOND TESTING GENERAL REPORT

**Jake Fahrenbruch, Tester**

Cell: (620) 282-8977 / Office: (800) 542-7313



## TEST INFORMATION

<b>Well Name</b>	Younger #3
<b>Company Name</b>	Vess Oil Corp
<b>Formation</b>	DST #3, Toronto - L/KC "A-F" 3061'-3204'
<b>Test Type</b>	Bottom-Hole w/J&Jnt
<b>Surface Location</b>	Sec 7-10s-16w-Rooks County-KS
<b>KB Elevation (SL)</b>	596.494
<b>Gauge Name</b>	5951
<b>Start Test Date</b>	2015/08/24
<b>Start Test Time</b>	22:25:00
<b>Final Test Date</b>	2015/08/25
<b>Final Test Time</b>	05:09:00
<b>Job Number</b>	F409
<b>Contact</b>	Dylan Klaus
<b>Site Contact</b>	Roger Martin

## TEST RESULTS

Initial flow, blow increased to BOB in 26 minutes. No blowback.

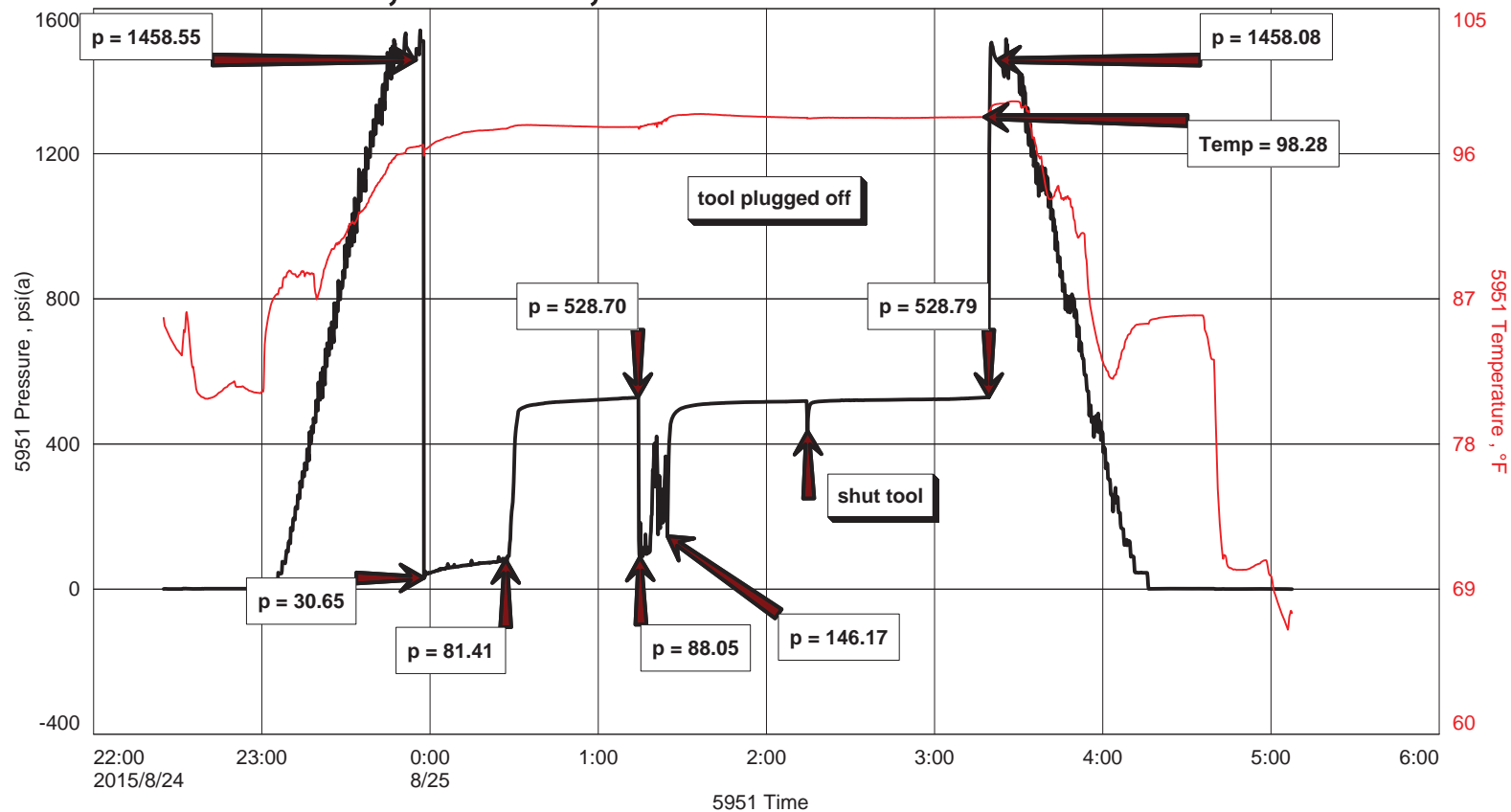
Final flow, blow increased to 7.5". No blowback.

(tool completely plugged off 10 minutes into final flow period)

TOTAL FLUID RECOVERED: 175'

55'	SOCM	4% oil, 96% mud
120'	GCSOCM	15% gas, 4% oil, 81% mud
----	RW: .52 ohm @ 60 Deg F	
----	PH: 7.0	
----	Chlorides: 14,500 PPM	

## YOUNGER #3, DST #3, TORONTO - L/KC "A-F" 3061'-3204'





**DIAMOND TESTING**  
 P.O. Box 157  
 HOISINGTON, KANSAS 67544  
 (800) 542-7313  
**DRILL-STEM TEST TICKET**  
 FILE: YOUNGER3PST3

ON LOCATION:	<u>21:40</u>	<u>8-24</u>
START RECORDERS:	<u>22:25</u>	<u>8-24</u>
STOP RECORDERS:	<u>05:09</u>	<u>8-25</u>

Company VESS OIL CORP. Lease & Well No. YOUNGER #3  
 Contractor DISCOVERY DRLLG. RIG #4 Charge to VESS OIL CORP  
 Elevation 1957'KB Formation TORONTO/LKC 'A-F' Effective Pay \_\_\_\_\_ Ft. Ticket No. F409  
 Date 8-25-14 Sec. 7 Twp. 10S Range 16W County ROOKS State KANSAS  
 Test Approved By ROGER MARTIN Diamond Representative JAKE FAHRENBRUCH

Formation Test No. 3 Interval Tested from 3061 ft. to 3204 ft. Total Depth 3204 ft.  
 Packer Depth 3056 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Packer Depth 3061 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3062 ft. Recorder Number 5951 Cap. 5000 P.S.I.  
 Bottom Recorder Depth (Outside) 3062 ft. Recorder Number 5584 Cap. 5000 P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 51 (2\*LCM) Drill Collar Length 30 ft. I.D. 2 1/4 in.  
 Weight 8.9 Water Loss 9.6 cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
 Chlorides 8,800 P.P.M. Drill Pipe Length 3003 ft. I.D. 3 1/2 in.  
 Jars: Make STERLING Serial Number #5 J#JNT Test Tool Length 28 ft. Tool Size 3 1/2-IF in.  
 Did Well Flow? \_\_\_\_\_ Reversed Out \_\_\_\_\_ Anchor Length 143 ft. Size 4 1/2-FH in.  
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2" XH in. 16' PERF IN ANCHOR Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: BLOW INCREASED TO BOB IN 20 MINUTES. NO BLOWBACK.  
 2nd Open: BLOW INCREASED TO 7 1/2". NO BLOWBACK.

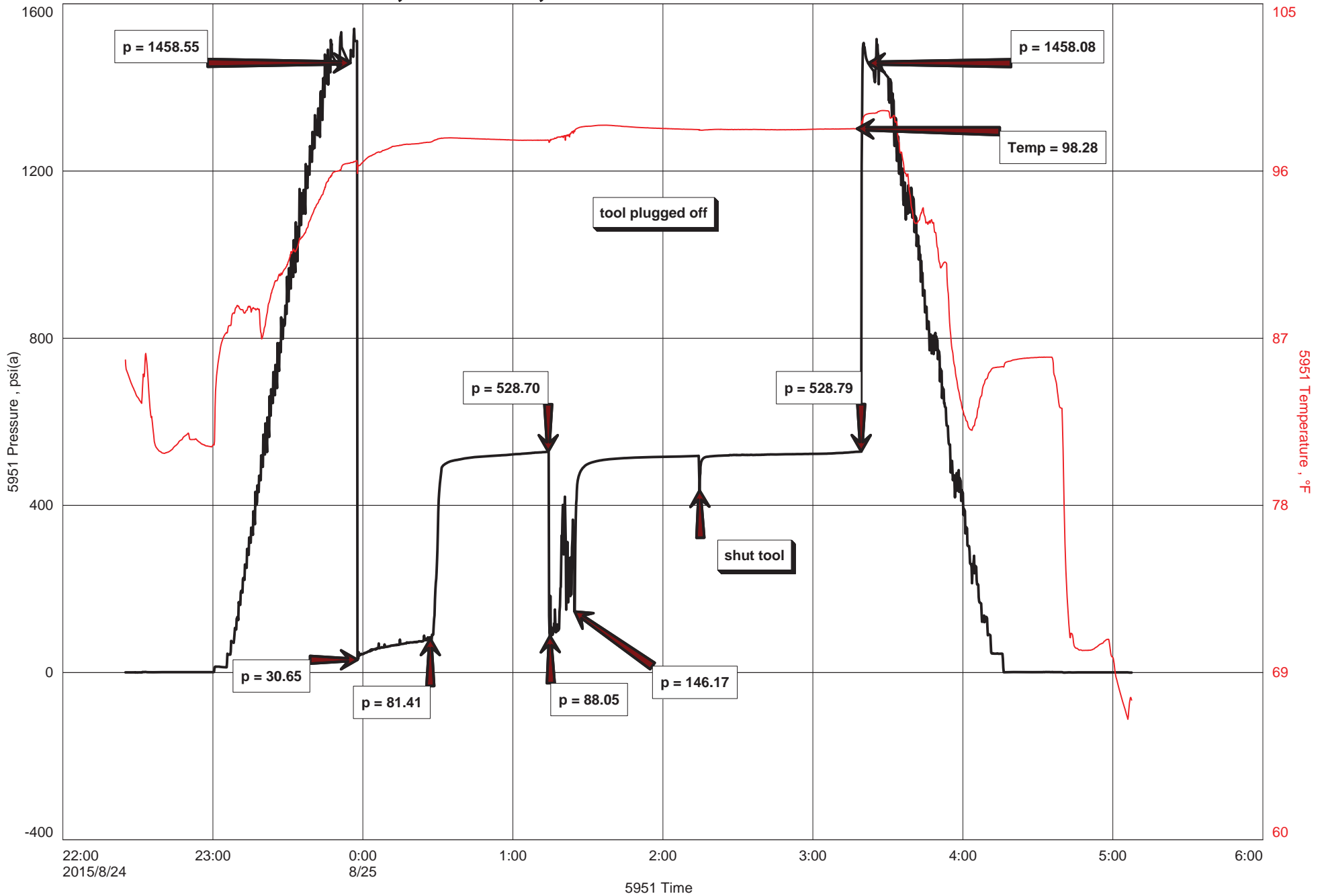
Recovered 55 ft. of 50CM 4" OIL, 96" MUD  
 Recovered 120 ft. of GC 50CM 15" GAS, 4" OIL, 81" MUD  
 Recovered \_\_\_\_\_ ft. of TOTAL FLUID: 175'  
 Recovered \_\_\_\_\_ ft. of TOOL SAMPLE: WCOM, 30" OIL, 20" WTR, 50" MUD  
 Recovered \_\_\_\_\_ ft. of (FINAL FLOW PLUGGED OFF APPROXIMATELY 10 MIN) Price Job \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of INTO FLOW. END OF FLOW PRESSURE INVALID Other Charges \_\_\_\_\_  
 Remarks: RW: .52 Ω @ 60°F J#JNT  
PH: 7.0 30 MRT (PV)  
CHLORIDES: 14,500 PPM Total \_\_\_\_\_

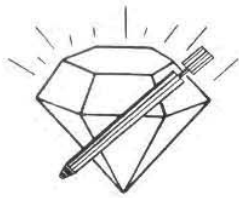
Time Set Packer(s) 00:00 A.M. P.M. Time Started Off Bottom 03:15 A.M. P.M. Maximum Temperature 98°F

Initial Hydrostatic Pressure..... (A) 1458 P.S.I.  
 Initial Flow Period..... Minutes 30 (B) 31 P.S.I. to (C) 81 P.S.I.  
 Initial Closed In Period..... Minutes 45 (D) 529 P.S.I.  
 Final Flow Period..... Minutes 60 (E) 88 P.S.I. to (F) 146 P.S.I.  
 Final Closed In Period..... Minutes 60 (G) 529 P.S.I. THANKS!  
 Final Hydrostatic Pressure..... (H) 1458 P.S.I. [Signature]

Diamond Testing shall not be liable for damages of any kind to 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 statement or opinion concerning the result 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.

# YOUNGER #3, DST #3, TORONTO - L/KC "A-F" 3061'-3204'





**DIAMOND TESTING**  
 P.O. Box 157  
 HOISINGTON, KANSAS 67544  
 (800) 542-7313

TIME ON: 22:25 8-24  
 TIME OFF: 05:09 8-25

**DRILL-STEM TEST TICKET**  
 FILE: YOUNGER3DST3

Company Vess Oil Corp. Lease & Well No. Younger #3  
 Contractor Discovery Drilling Rig #4 Charge to Vess Oil Corp.  
 Elevation 1957' KB Formation Toronto-LKC 'A-F' Effective Pay \_\_\_\_\_ Ft. Ticket No. F409  
 Date 8-25-15 Sec. 7 Twp. \_\_\_\_\_ 10s S Range \_\_\_\_\_ 16w W County Rooks State KANSAS  
 Test Approved By Roger Martin Diamond Representative Jake Fahrenbruch

Formation Test No. 3 Interval Tested from 3061 ft. to 3204 ft. Total Depth 3204 ft.  
 Packer Depth 3056 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Packer Depth 3061 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3062 ft. Recorder Number 5951 Cap. 5000 P.S.I.  
 Bottom Recorder Depth (Outside) 3062 ft. Recorder Number 5584 Cap. 5000 P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 51 (2# LCM) Drill Collar Length 30 ft. I.D. 2 1/4 in.  
 Weight 8.9 Water Loss 9.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
 Chlorides 8,800 P.P.M. Drill Pipe Length 3,003 ft. I.D. 3 1/2 in.  
 Jars: Make STERLING Serial Number #5 J,J Test Tool Length 28 ft. Tool Size 3 1/2-IF in.  
 Did Well Flow? NO Reversed Out NO Anchor Length 143 ft. Size 4 1/2-FH in.  
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. <sup>16' PERF IN ANCHOR</sup> Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Blow increased to BOB in 26 minutes. No blowback.  
 2nd Open: Blow increased to 7.5". No blowback

Recovered 55 ft. of SOCM 4% oil, 96% mud  
 Recovered 120 ft. of GCSOCM 15% gas, 4% oil, 81% mud  
 Recovered \_\_\_\_\_ ft. of TOTAL RECOVERED FLUID: 175'  
 Recovered \_\_\_\_\_ ft. of TOOL SAMPLE: WCOM 30% oil, 20% wtr, 50% mud  
 Recovered \_\_\_\_\_ ft. of (final flow period plugged off ~10 min into flow) Price Job \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of (end of final flow pressure is invalid) Other Charges \_\_\_\_\_

Remarks: Chlorides: 14,500 PPM Insurance \_\_\_\_\_  
RW: .52 ohm @ 60 Deg F  
PH: 7.0 Total \_\_\_\_\_

Time Set Packer(s) 00:00 A.M. P.M. Time Started Off Bottom 03:15 A.M. P.M. Maximum Temperature 98 F

Initial Hydrostatic Pressure..... (A) 1458 P.S.I.  
 Initial Flow Period..... Minutes 30 (B) 31 P.S.I. to (C) 81 P.S.I.  
 Initial Closed In Period..... Minutes 45 (D) 529 P.S.I.  
 Final Flow Period..... Minutes 60 (E) 88 P.S.I. to (F) 146 P.S.I.  
 Final Closed In Period..... Minutes 60 (G) 529 P.S.I.  
 Final Hydrostatic Pressure..... (H) 1458 P.S.I.

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# DIAMOND TESTING GENERAL REPORT

**Jake Fahrenbruch, Tester**

Cell: (620) 282-8977 / Office: (800) 542-7313



## TEST INFORMATION

<b>Well Name</b>	Younger #3
<b>Company Name</b>	Vess Oil Corp.
<b>Formation</b>	Lansing / Kansas City "G" 3205'-3220'
<b>Test Type</b>	Bottom-Hole w/J&Jnt
<b>Surface Location</b>	Sec 7-10s-16w-Rooks County-Kansas
<b>KB Elevation (SL)</b>	1957.000
<b>Gauge Name</b>	5951
<b>Start Test Date</b>	2015/08/25
<b>Start Test Time</b>	11:01:00
<b>Final Test Date</b>	2015/08/25
<b>Final Test Time</b>	18:34:00
<b>Job Number</b>	F410
<b>Contact</b>	Dylan Klaus
<b>Site Contact</b>	Roger Martin

## TEST RESULTS

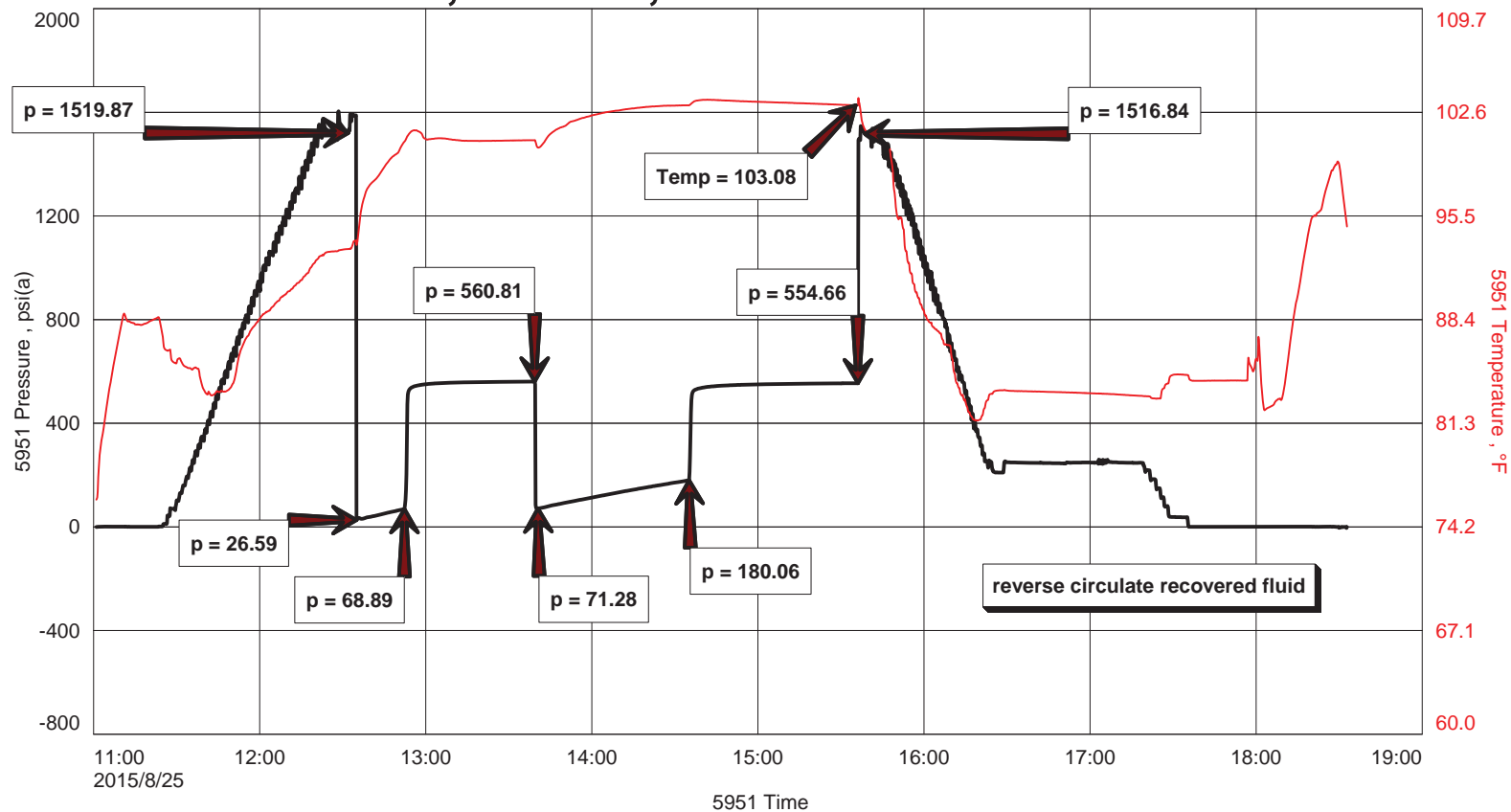
Initial flow period, strong blow, increased to BOB in 2.5 minutes. Blowback increased to 7" in bucket.  
 Final flow period, strong blow, increased to BOB in 5 minutes. Blowback increased to BOB in 15 minutes.

TOTAL FLUID RECOVERED: 450' HvyGCWCMCO 25% gas, 50% oil, 10% wtr, 15% mud

(reversed out ~325' of fluid)

- Tool Sample: SMC0 5% mud, 95% oil
- Gas in Pipe: 2600'
- Chlorides: 58,000 PPM
- RW: .09 ohm @ 100 Deg F
- PH: 8.0
- Gravity: 37 @ 60 F

## YOUNGER #3, DST #4, LANSING / KC "G" 3205'-3220'





**DIAMOND TESTING**  
 P.O. Box 157  
 HOISINGTON, KANSAS 67544  
 (800) 542-7313  
**DRILL-STEM TEST TICKET**  
 FILE: YOUNGER3DST4

ON LOCATION:	<u>11:00</u>
START RECORDERS:	<u>11:01</u>
STOP RECORDERS:	<u>18:34</u>

Company VESS OIL CORP. Lease & Well No. YOUNGER #3  
 Contractor DISCOVERY DRUG. RIG #4 Charge to VESS OIL CORP.  
 Elevation 1957'KB Formation L/KC "G" Effective Pay \_\_\_\_\_ Ft. Ticket No. F410  
 Date 8-25-15 Sec. 7 Twp. 10S Range 16W County ROOKS State KANSAS  
 Test Approved By ROGER FRIEDLY Diamond Representative JAKE FAHRENBRUCH

Formation Test No. 4 Interval Tested from 3205 ft. to 3220 ft. Total Depth 3220 ft.  
 Packer Depth 3200 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Packer Depth 3205 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3206 ft. Recorder Number 5951 Cap. 5000 P.S.I.  
 Bottom Recorder Depth (Outside) 3206 ft. Recorder Number 5584 Cap. 5000 P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
 Mud Type CHEMICAL Viscosity 55 (2"CM) Drill Collar Length 30 ft. I.D. 2 1/4 in.  
 Weight 9.1 Water Loss 7.2 cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
 Chlorides 6000 P.P.M. Drill Pipe Length 3147 ft. I.D. 3 1/2 in.  
 Jars: Make STERLING Serial Number #5 J&JNT Test Tool Length 28 ft. Tool Size 3 1/2-IF in.  
 Did Well Flow? \_\_\_\_\_ Reversed ★ YES ★ Anchor Length 15 ft. Size 4 1/2-FH in.  
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2" XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: STRONG BLOW @ BOB IN 2 1/2 MINUTES. BLOWBACK INC TO 7".  
 2nd Open: STRONG BLOW @ BOB IN 5 MINUTES. BLOWBACK @ BOB IN 15 MIN.

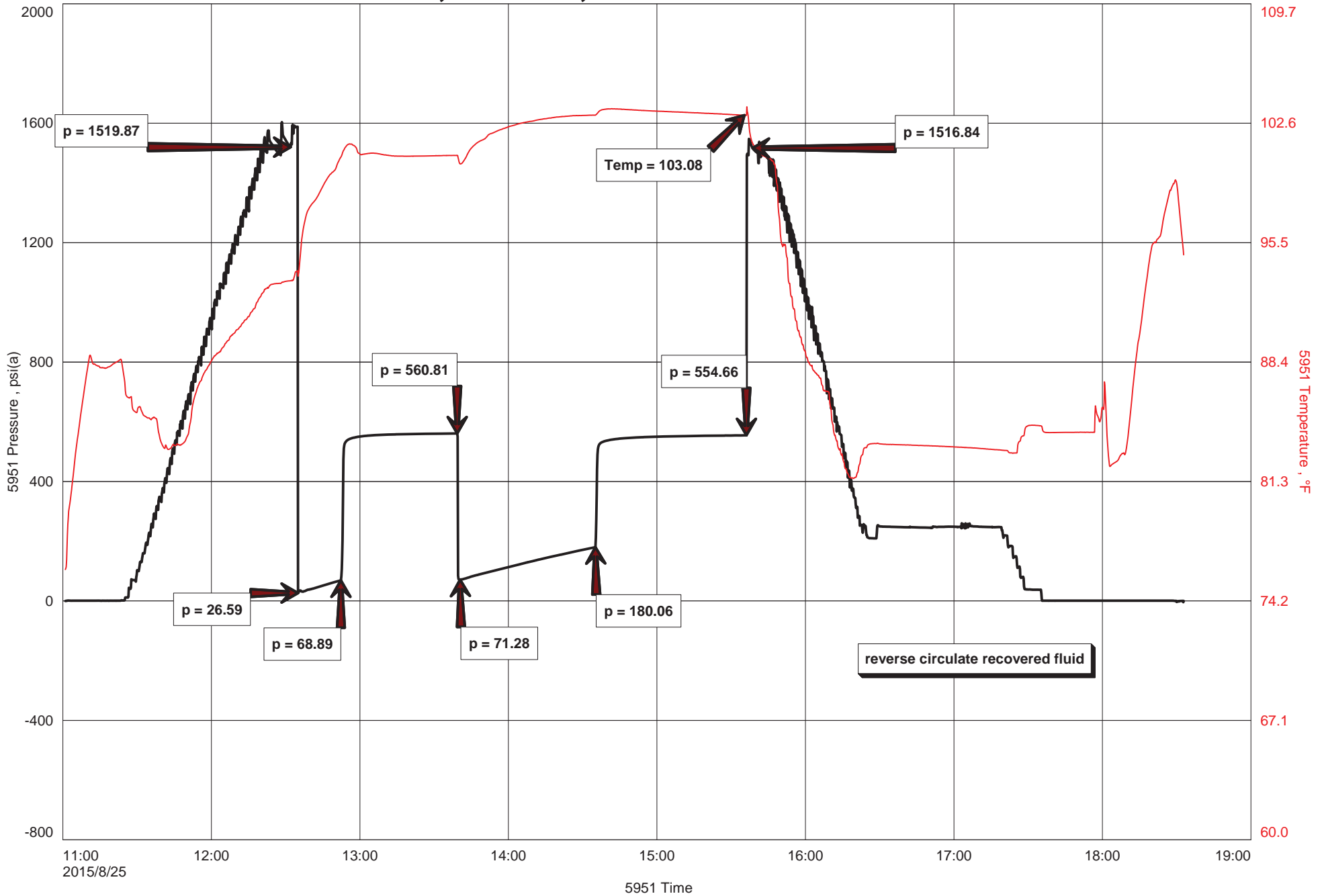
Recovered \_\_\_\_\_ ft. of Reversed out ~325' of fluid  
 Recovered 450 ft. of Hvy GC WC MCO 25% GAS, 50% OIL, 10% LTR, 15% MUD  
 Recovered \_\_\_\_\_ ft. of TOOL SAMPLE: SMCO 5" in, 95% OIL  
 Recovered \_\_\_\_\_ ft. of TOTAL RECOVERED FLUID: 450'  
 Recovered \_\_\_\_\_ ft. of GAS IN PIPE: 2600'  
 Recovered \_\_\_\_\_ ft. of GRAVITY: 37 @ 60°F  
 Remarks: CHLORIDES: 58,000 PPM  
RW: .09 Ω @ 100°F  
PH: 8.0

Price Job	
Other Charges	<u>CIRC SUB</u>
Total	<u>J&amp;JNT</u> <u>30MRT (PV)</u>

Time Set Packer(s) 12:36 A.M. P.M. Time Started Off Bottom 15:36 A.M. P.M. Maximum Temperature 103°F  
 Initial Hydrostatic Pressure..... (A) 1520 P.S.I.  
 Initial Flow Period..... Minutes 15 (B) 27 P.S.I. to (C) 69 P.S.I.  
 Initial Closed In Period..... Minutes 45 (D) 561 P.S.I.  
 Final Flow Period..... Minutes 60 (E) 71 P.S.I. to (F) 180 P.S.I.  
 Final Closed In Period..... Minutes 60 (G) 555 P.S.I. THANKS!  
 Final Hydrostatic Pressure..... (H) 1517 P.S.I. Jake Fahrenbruch

Diamond Testing shall not be liable for damages of any kind to 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 statement or opinion concerning the result 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.

# YOUNGER #3, DST #4, LANSING / KC "G" 3205'-3220'





**DIAMOND TESTING**  
 P.O. Box 157  
 HOISINGTON, KANSAS 67544  
 (800) 542-7313

TIME ON: 11:01  
 TIME OFF: 18:34

**DRILL-STEM TEST TICKET**  
 FILE: YOUNGER3DST4

Company Vess Oil Corp. Lease & Well No. Younger #3  
 Contractor Discovery Drilling Rig #4 Charge to Vess Oil Corp.  
 Elevation 1957' KB Formation Lansing/KC "G" Effective Pay \_\_\_\_\_ Ft. Ticket No. F410  
 Date 8-25-15 Sec. 7 Twp. \_\_\_\_\_ 10s S Range \_\_\_\_\_ 16w W County Rooks State KANSAS  
 Test Approved By Roger Martin Diamond Representative Jake Fahrenbruch

Formation Test No. 4 Interval Tested from 3205 ft. to 3220 ft. Total Depth 3220 ft.  
 Packer Depth 3200 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Packer Depth 3205 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3206 ft. Recorder Number 5951 Cap. 5000 P.S.I.  
 Bottom Recorder Depth (Outside) 3206 ft. Recorder Number 5584 Cap. 5000 P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 55 (2# LCM) Drill Collar Length 30 ft. I.D. 2 1/4 in.  
 Weight 9.1 Water Loss 7.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
 Chlorides 6,000 P.P.M. Drill Pipe Length 3,147 ft. I.D. 3 1/2 in.  
 Jars: Make STERLING Serial Number #5 J,J Test Tool Length 28 ft. Tool Size 3 1/2-IF in.  
 Did Well Flow? NO Reversed Out NO Anchor Length 15 ft. Size 4 1/2-FH in.  
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Strong blow off BOB in 2.5 minutes. Blowback increased to 7" in bucket.  
 2nd Open: Strong blow off BOB in 5 minutes. Blowback increased to BOB in 15 minutes.

Recovered \_\_\_\_\_ ft. of (Reversed out 325' of fluid)  
 Recovered 450 ft. of HvyGCWCMCO 25% gas, 50% oil, 10% wtr, 15% mud  
 Recovered \_\_\_\_\_ ft. of GAS IN PIPE: 2600'  
 Recovered \_\_\_\_\_ ft. of Tool Sample: SMCO 5% mud, 95% oil  
 Recovered \_\_\_\_\_ ft. of Chlorides: 58,000 PPM  
 Recovered \_\_\_\_\_ ft. of RW: .09 ohm @ 100 Deg F  
 Remarks: PH: 8.0  
Gravity: 37 @ 60 F

	Price Job
	Other Charges
	Insurance
	Total

Time Set Packer(s) 12:36 A.M. P.M. Time Started Off Bottom 15:36 A.M. P.M. Maximum Temperature 103 F

Initial Hydrostatic Pressure..... (A) 1520 P.S.I.  
 Initial Flow Period..... Minutes 15 (B) 27 P.S.I. to (C) 69 P.S.I.  
 Initial Closed In Period..... Minutes 45 (D) 561 P.S.I.  
 Final Flow Period..... Minutes 60 (E) 71 P.S.I. to (F) 180 P.S.I.  
 Final Closed In Period..... Minutes 60 (G) 555 P.S.I.  
 Final Hydrostatic Pressure..... (H) 1517 P.S.I.

Diamond Testing shall not be liable for damages of any kind to 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 statement or opinion concerning the result 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.

# DIAMOND TESTING GENERAL REPORT

**Jake Fahrenbruch, Tester**

Cell: (620) 282-8977 / Office: (800) 542-7313



## TEST INFORMATION

<b>Well Name</b>	Younger #3
<b>Company Name</b>	Vess Oil Corporation
<b>Formation</b>	DST #5 KC "H&L" - Pleasanton Sand 3226'-3369'
<b>Test Type</b>	Bottom-Hole w/J&Jnt
<b>Surface Location</b>	Sec 7-10s-16w-Rooks County, Kansas
<b>KB Elevation (SL)</b>	1957.000
<b>Gauge Name</b>	5951
<b>Start Test Date</b>	2015/08/26
<b>Start Test Time</b>	08:30:00
<b>Final Test Date</b>	2015/08/26
<b>Final Test Time</b>	15:28:00
<b>Job Number</b>	F411
<b>Contact</b>	Dylan Klaus
<b>Site Contact</b>	Roger Martin

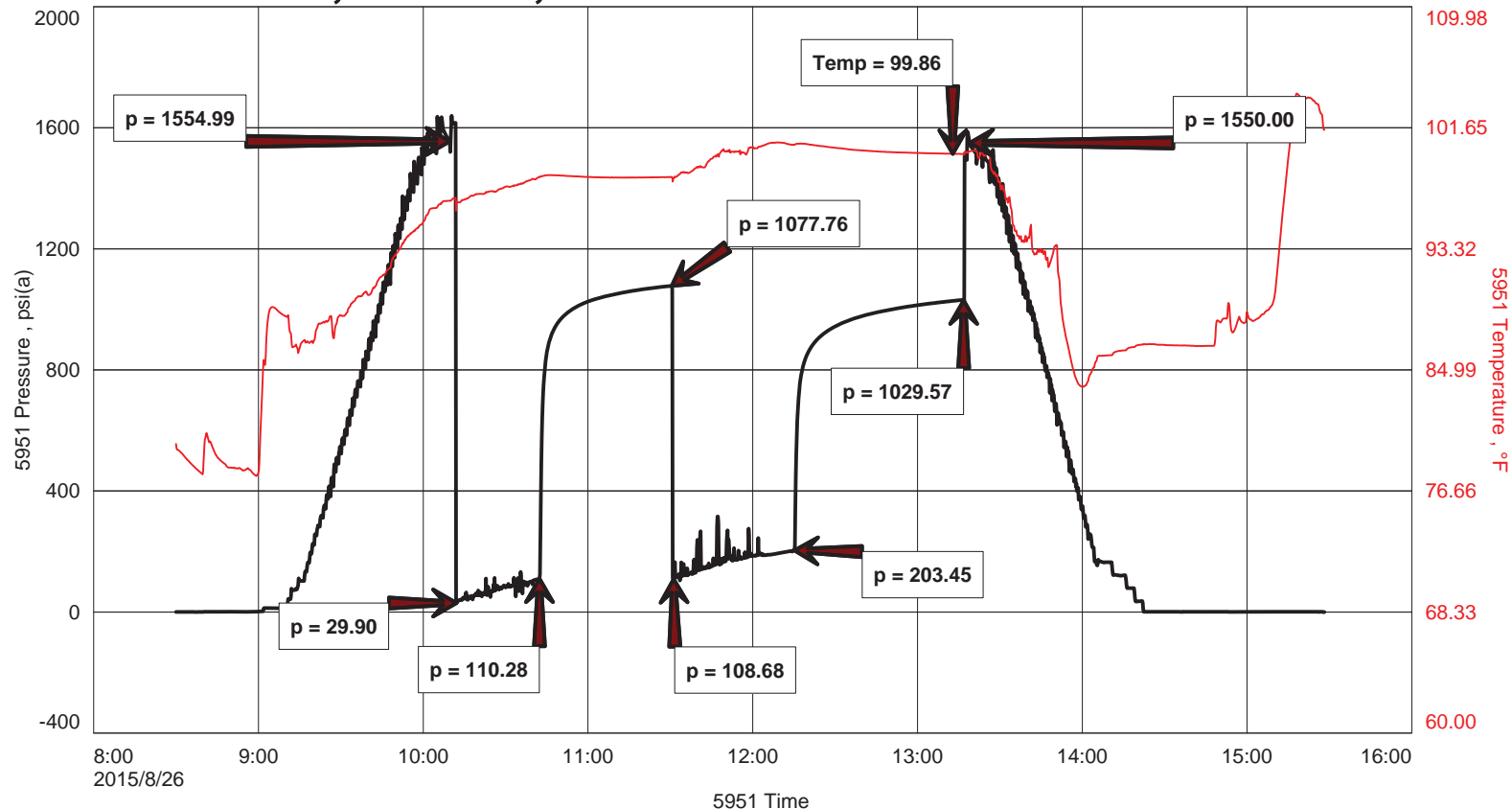
## TEST RESULTS

Initial flow period, blow increased to BOB in 17 minutes. No blowback.  
 Final flow period, blow increased to BOB in 23 minutes. No blowback.

TOTAL RECOVERED FLUID: 360'

- 210' Drilling Mud                      100% mud
- 150' Watery Mud                      40% wtr, 60% mud
- ~250' GIP
- Tool Sample: WM    40% wtr, 60% mud
- Chlorides: 48,000 PPM
- RW: .10 ohm @ 110 Deg F
- PH: 8.0

## YOUNGER #3, DST #5, KC "H-L" - Pleasanton Sand 3226'-3369'





**DIAMOND TESTING**  
 P.O. Box 157  
 HOISINGTON, KANSAS 67544  
 (800) 542-7313  
**DRILL-STEM TEST TICKET**  
 FILE: YOUNGER 37575

ON LOCATION:	<u>08:00</u>
START RECORDERS:	<u>08:30</u>
STOP RECORDERS:	<u>15:28</u>

Company VESS OIL CORP. Lease & Well No. YOUNGER #3  
 Contractor DISCOVERY DRUG. REG #4 Charge to VESS OIL CORP  
 Elevation 1957' KB Formation KCHH' - PLAS. SNO. Effective Pay \_\_\_\_\_ Ft. Ticket No. F411  
 Date 8-26-15 Sec. 7 Twp. 10S Range 16W County ROOKS State KANSAS  
 Test Approved By ROGER MARTIN Diamond Representative JAKE FAHRENBRUCH

Formation Test No. 5 Interval Tested from 3226 ft. to 3369 ft. Total Depth 3369 ft.  
 Packer Depth 3221 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Packer Depth 3226 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3231 ft. Recorder Number 5957 Cap. 5000 P.S.I.  
 Bottom Recorder Depth (Outside) 3231 ft. Recorder Number 5584 Cap. 5000 P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 53 (2" LCM) Drill Collar Length 30 ft. I.D. 2 1/4 in.  
 Weight 9.0 Water Loss 7.3 cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
 Chlorides 5400 P.P.M. Drill Pipe Length 3168 ft. I.D. 3 1/2 in.  
 Jars: Make STERLING Serial Number #5 J&JNT Test Tool Length 28 ft. Tool Size 3 1/2-IF in.  
 Did Well Flow? \_\_\_\_\_ Reversed Out \_\_\_\_\_ Anchor Length 143 ft. Size 4 1/2-FH in.  
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2" XH in. Surface Choke Size \_\_\_\_\_ in. Bottom Choke Size 5/8 in.

Blow: 1st Open: BLOW INCREASED TO BOB IN 17 MINUTES. NO BLOWBACK  
 2nd Open: BLOW INCREASED TO BOB IN 23 MINUTES. NO BLOWBACK.

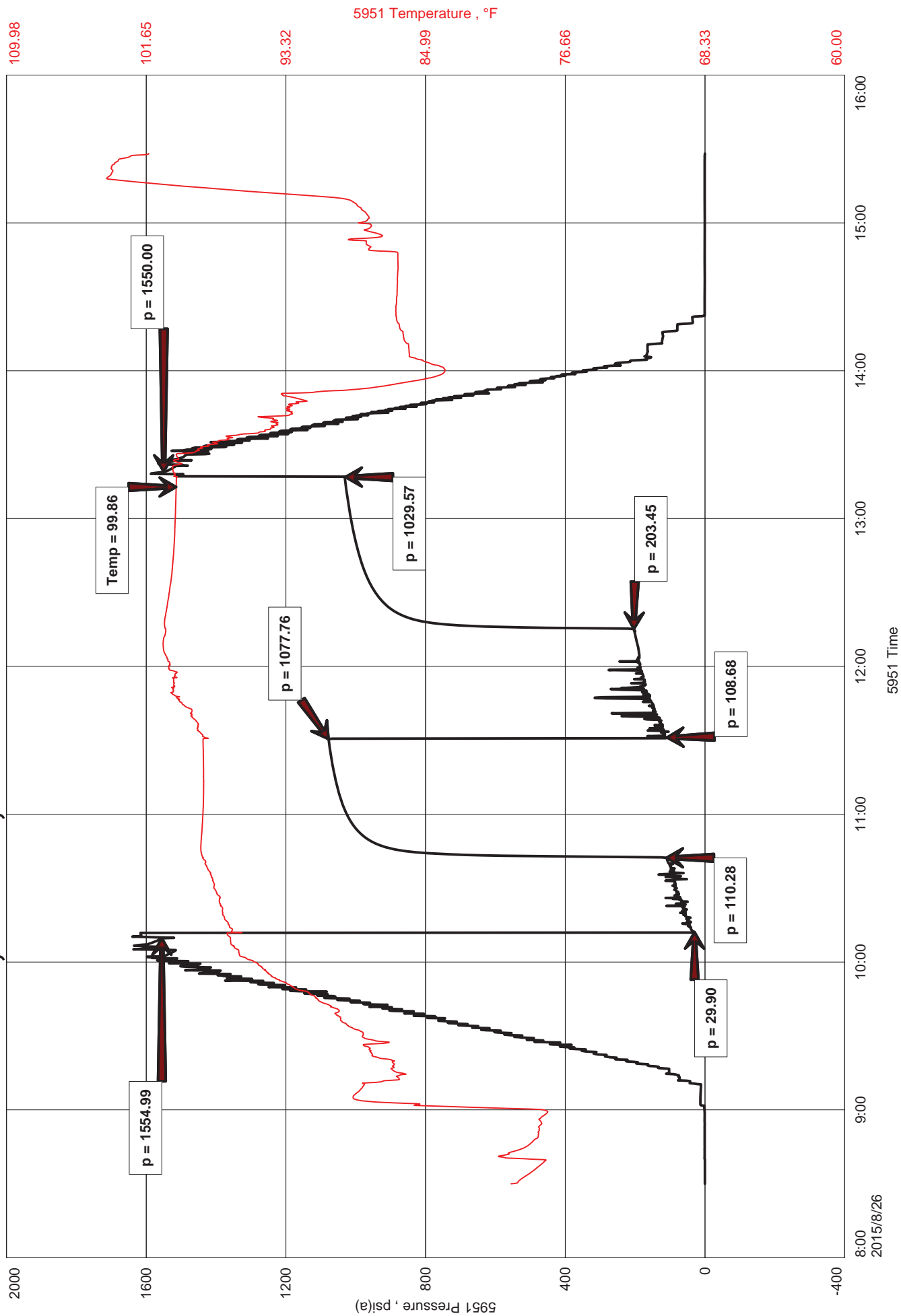
Recovered 210 ft. of DRUG MUD 100" MUD  
 Recovered 150 ft. of WM 40" WTR, 60" MUD  
 Recovered \_\_\_\_\_ ft. of TOTAL RECOVERED FLUID: 360'  
 Recovered \_\_\_\_\_ ft. of ~250' GIP  
 Recovered \_\_\_\_\_ ft. of TOOL SAMPLE: WM 40" WTR, 60" MUD Price Job \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of CHLORIDES: 48,000 PPM Other Charges \_\_\_\_\_  
 Remarks: RW: .10 Ω @ 110°F J&JNT  
PH: 8.0 30 MRT (PV)  
 Total \_\_\_\_\_

Time Set Packer(s) 10:12 A.M. P.M. Time Started Off Bottom 13:12 A.M. P.M. Maximum Temperature 100°F

Initial Hydrostatic Pressure..... (A) 1555 P.S.I.  
 Initial Flow Period..... Minutes 30 (B) 30 P.S.I. to (C) 110 P.S.I.  
 Initial Closed In Period..... Minutes 45 (D) 1078 P.S.I.  
 Final Flow Period..... Minutes 45 (E) 109 P.S.I. to (F) 203 P.S.I.  
 Final Closed In Period..... Minutes 60 (G) 1030 P.S.I. Thank you!  
 Final Hydrostatic Pressure..... (H) 1550 P.S.I. Jake Fahrenbruch

Diamond Testing shall not be liable for damages of any kind to 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 statement or opinion concerning the result 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.

# YOUNGER #3, DST #5, KC "H-L" - Pleasanton Sand 3226'-3369'





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: YOUNGER3DST5

TIME ON: 08:30  
TIME OFF: 15:28

Company Vess Oil Corp. Lease & Well No. Younger #3  
Contractor Discovery Drilling Rig #4 Charge to Vess Oil Corp.  
Elevation 1957' KB Formation KC "H&L" - Pleas. Effective Pay \_\_\_\_\_ Ft. Ticket No. F411  
Date 8-26-15 Sec. 7 Twp. \_\_\_\_\_ 10s S Range \_\_\_\_\_ 16w W County Rooks State KANSAS  
Test Approved By Roger Martin Diamond Representative Jake Fahrenbruch

Formation Test No. 5 Interval Tested from 3226 ft. to 3369 ft. Total Depth 3369 ft.  
Packer Depth 3221 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 3226 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3231 ft. Recorder Number 5951 Cap. 5000 P.S.I.  
Bottom Recorder Depth (Outside) 3231 ft. Recorder Number 5584 Cap. 5000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 53 (# LCM) Drill Collar Length 30 ft. I.D. 2 1/4 in.  
Weight 9.0 Water Loss 7.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 5,400 P.P.M. Drill Pipe Length 3,168 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number #5 J,J Test Tool Length 28 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 143 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. <sup>16' PERF IN ANCHOR</sup> Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Blow increased to BOB in 17 minutes. No blowback.  
2nd Open: Blow increased to BOB in 23 minutes. No blowback.

Recovered 210 ft. of Drilling Mud 100% mud  
Recovered 150 ft. of Watery Mud 40% wtr, 60% mud  
Recovered \_\_\_\_\_ ft. of ~250' GIP  
Recovered \_\_\_\_\_ ft. of TOTAL RECOVERED FLUID: 360'  
Recovered \_\_\_\_\_ ft. of Tool Sample: WM 40% wtr, 60% mud  
Recovered \_\_\_\_\_ ft. of Chlorides: 48,000 PPM

Remarks: \_\_\_\_\_  
RW: .10 ohm @ 110 Deg F  
PH: 8.0

Time Set Packer(s) 10:12 A.M. P.M. Time Started Off Bottom 13:12 A.M. P.M. Maximum Temperature 100 F

Initial Hydrostatic Pressure..... (A) 1555 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 30 P.S.I. to (C) 110 P.S.I.  
Initial Closed In Period..... Minutes 45 (D) 1078 P.S.I.  
Final Flow Period..... Minutes 45 (E) 109 P.S.I. to (F) 203 P.S.I.  
Final Closed In Period..... Minutes 60 (G) 1030 P.S.I.  
Final Hydrostatic Pressure..... (H) 1550 P.S.I.

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# DIAMOND TESTING GENERAL REPORT

**Jake Fahrenbruch, Tester**

Cell: (620) 282-8977 / Office: (800) 542-7313



## TEST INFORMATION

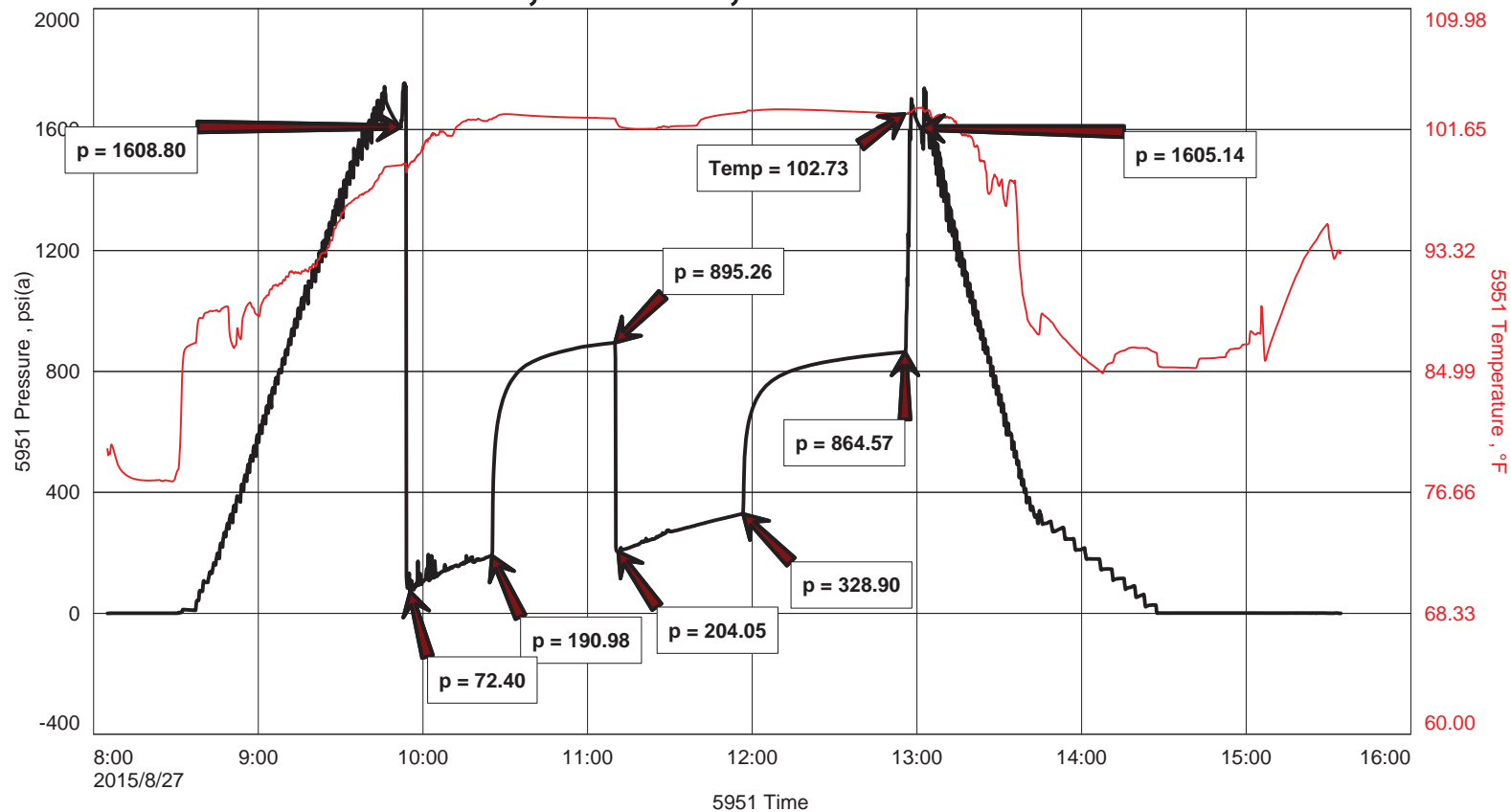
<b>Well Name</b>	Younger #3
<b>Company Name</b>	Vess Oil Corporation
<b>Formation</b>	DST #6, Arbuckle 3348'-3480'
<b>Test Type</b>	Bottom-Hole w/J&Jnt
<b>Surface Location</b>	Sec 7-10s-16w Rooks County, Kansas
<b>KB Elevation (SL)</b>	1957.000
<b>Gauge Name</b>	5951
<b>Start Test Date</b>	2015/08/27
<b>Start Test Time</b>	08:05:00
<b>Final Test Date</b>	2015/08/27
<b>Final Test Time</b>	15:34:00
<b>Job Number</b>	F12
<b>Contact</b>	Dylan Klaus
<b>Site Contact</b>	Roger Martin

## TEST RESULTS

Initial flow period, blow increased to BOB in 5.5 minutes. Blowback at 1".  
 Final flow period, blow increased to BOB in 7.5 minutes. Blowback at 2".

- |                              |                                   |
|------------------------------|-----------------------------------|
| TOTAL RECOVERED FLUID: 760'  | GAS IN PIPE: 180'                 |
| 100' Clean Oil               | 100% oil                          |
| 240' GCHMCO                  | 10% gas, 65% oil, 25% mud         |
| 420' HGCSWCMCO               | 25% gas, 55% oil, 5% wtr, 15% mud |
| ----- Gravity: 34 @ 60 Deg F |                                   |
| ----- Chlorides: 13,000 PPM  |                                   |
| ----- RW: .59 ohm @ 60 Deg F |                                   |
| ----- PH: 8.0                |                                   |

## YOUNGER #3, DST #6, ARBUCKLE 3348'-3480'





**DIAMOND TESTING**  
 P.O. Box 157  
 HOISINGTON, KANSAS 67544  
 (800) 542-7313  
**DRILL-STEM TEST TICKET**  
 FILE: YOUNGER 3 DSTG

ON LOCATION: 07:33  
 START RECORDERS: 08:05  
 STOP RECORDERS: 15:34

Company VESS OIL CORP. Lease & Well No. YOUNGER #3  
 Contractor DISCOVERY DRUG RIG #4 Charge to VESS OIL CORP.  
 Elevation 1957' NB Formation ARBUCKLE Effective Pay \_\_\_\_\_ Ft. Ticket No. F412  
 Date 8-27-15 Sec. 7 Twp. 10s Range 16W County ROOKS State KANSAS  
 Test Approved By ROGER MARTIN Diamond Representative JAKE FAHRENBRUCH

Formation Test No. 6 Interval Tested from 3348 ft. to 3480 ft. Total Depth 3480 ft.  
 Packer Depth 3343 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Packer Depth 3348 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3353 ft. Recorder Number 5951 Cap. 5000 P.S.I.  
 Bottom Recorder Depth (Outside) 3353 ft. Recorder Number 5584 Cap. 5000 P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 58 (5" LAM) Drill Collar Length 30 ft. I.D. 2 1/4 in.  
 Weight 9.2 Water Loss 7.4 cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
 Chlorides 5400 P.P.M. Drill Pipe Length 3290 ft. I.D. 3 1/2 in.  
 Jars: Make STERLING Serial Number #5 J&JNT Test Tool Length 28 ft. Tool Size 3 1/2-IF in.  
 Did Well Flow? \_\_\_\_\_ Reversed Out \_\_\_\_\_ Anchor Length 132 ft. Size 4 1/2-FH in.  
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2" XH in. Surface Choke Size 36' PERF IN ANCHOR in. Bottom Choke Size 5/8 in.

Blow: 1st Open: BLOW INCREASED TO BOB IN 5 1/2 MINUTES. BLOWBACK @ 1".  
 2nd Open: BLOW INCREASED TO BOB IN 7 1/2 MINUTES. BLOWBACK @ 2".

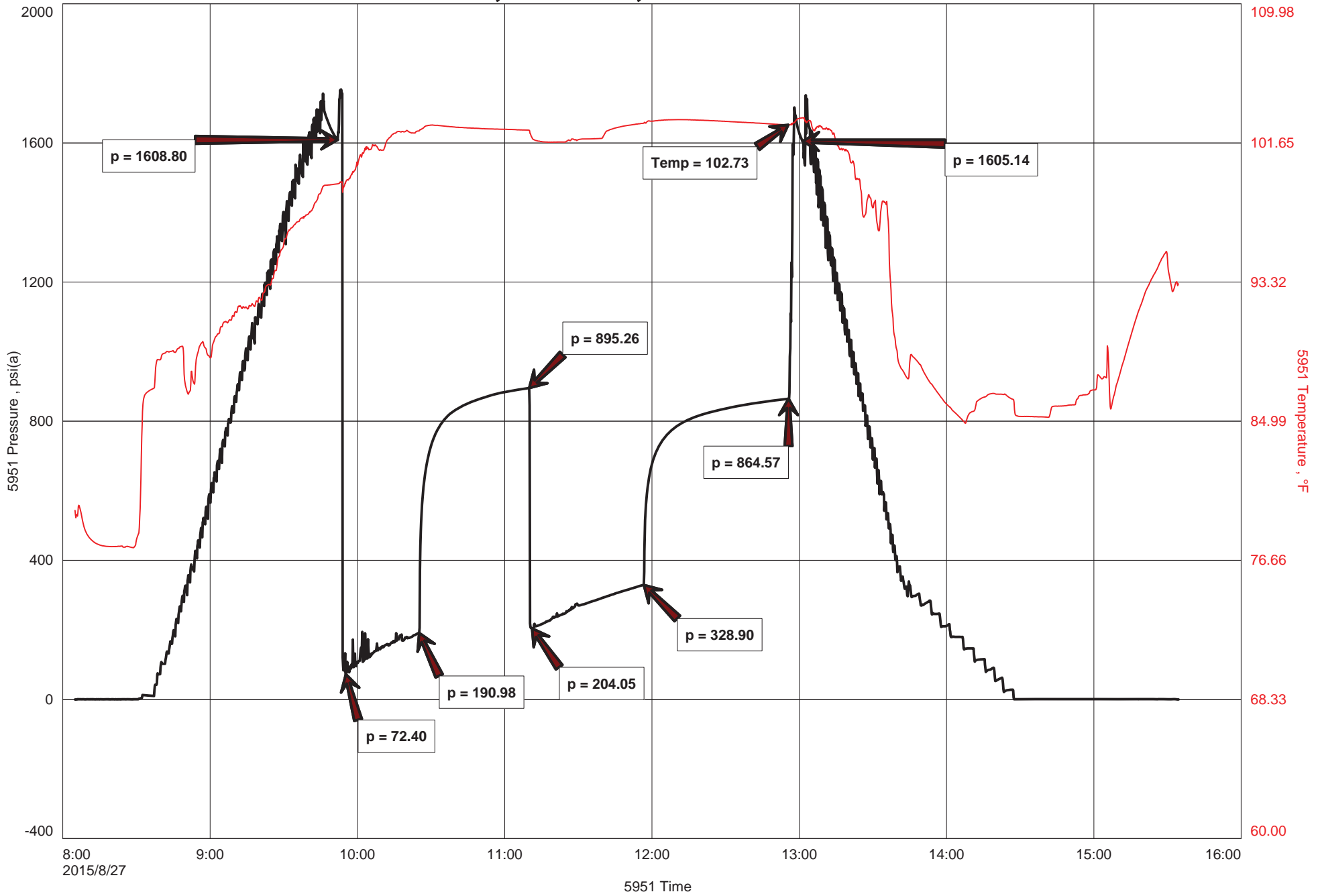
Recovered TOTAL ft. of RECOVERED FLUID: 760'  
 Recovered 100 ft. of CLEAN OIL 100' OIL  
 Recovered 240 ft. of GC HMCO 10% GAS, 65% OIL, 25% MUD  
 Recovered 420 ft. of HGC SWC MCO 25% GAS, 55% OIL, 5% WTR, 15% MUD  
 Recovered \_\_\_\_\_ ft. of 180' GAS IN PIPE Price Job \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of CHLORIDES: 13,000 PPM Other Charges \_\_\_\_\_  
 Remarks: RW: .59 @ 60°F J&JNT  
PH: 8.0 30 MAT (PV)  
GRAVITY: 34 @ 60°F Total \_\_\_\_\_

Time Set Packer(s) 09:55 A.M. P.M. Time Started Off Bottom 12:55 A.M. P.M. Maximum Temperature 103°F

Initial Hydrostatic Pressure..... (A) 1609 P.S.I.  
 Initial Flow Period..... Minutes 30 (B) 72 P.S.I. to (C) 191 P.S.I.  
 Initial Closed In Period..... Minutes 45 (D) 895 P.S.I.  
 Final Flow Period..... Minutes 45 (E) 204 P.S.I. to (F) 329 P.S.I.  
 Final Closed In Period..... Minutes 60 (G) 865 P.S.I. Thanks!  
 Final Hydrostatic Pressure..... (H) 1605 P.S.I. Jake Fahrenbruch

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# YOUNGER #3, DST #6, ARBUCKLE 3348'-3480'





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: YOUNGER3DST6

TIME ON: 08:05  
TIME OFF: 15:34

Company Vess Oil Corp. Lease & Well No. Younger #3  
Contractor Discovery Drilling Rig #4 Charge to Vess Oil Corp.  
Elevation 1957' KB Formation Arbuckle Effective Pay \_\_\_\_\_ Ft. Ticket No. F412  
Date 8-27-15 Sec. 7 Twp. 10s S Range 16w W County Rooks State KANSAS  
Test Approved By Roger Martin Diamond Representative Jake Fahrenbruch

Formation Test No. 6 Interval Tested from 3348 ft. to 3480 ft. Total Depth 3480 ft.  
Packer Depth 3343 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 3348 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3353 ft. Recorder Number 5951 Cap. 5000 P.S.I.  
Bottom Recorder Depth (Outside) 3353 ft. Recorder Number 5584 Cap. 5000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 58 (5# LCM) Drill Collar Length 30 ft. I.D. 2 1/4 in.  
Weight 9.2 Water Loss 7.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 5,400 P.P.M. Drill Pipe Length 3,290 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number #5 J,J Test Tool Length 28 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 132 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. <sup>36' PERF IN ANCHOR</sup> Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Blow increased to BOB in 5.5 minutes. Blowback @ 1".

2nd Open: Blow increased to BOB in 7.5 minutes. Blowback @ 2".

Recovered 100 ft. of Clean Oil 100% oil  
Recovered 240 ft. of GCHMCO 10% gas, 65% oil, 25% mud  
Recovered 420 ft. of HGCSWCMCO 25% gas, 55% oil, 5% wtr, 15% mud  
Recovered \_\_\_\_\_ ft. of TOTAL RECOVERED FLUID: 760'

Recovered _____ ft. of <u>GAS IN PIPE: 180'</u>	Price Job
Recovered _____ ft. of <u>GRAVITY: 34 @ 60 Deg F</u>	Other Charges
Remarks: <u>CHLORIDES: 13,000 PPM</u>	Insurance
<u>RW: .59 ohm @ 60 Deg F</u>	
<u>PH: 8.0</u>	Total

Time Set Packer(s) 09:55 A.M. P.M. Time Started Off Bottom 12:55 A.M. P.M. Maximum Temperature 103 F

Initial Hydrostatic Pressure..... (A) 1609 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 72 P.S.I. to (C) 191 P.S.I.  
Initial Closed In Period..... Minutes 45 (D) 895 P.S.I.  
Final Flow Period..... Minutes 45 (E) 204 P.S.I. to (F) 329 P.S.I.  
Final Closed In Period..... Minutes 60 (G) 865 P.S.I.  
Final Hydrostatic Pressure..... (H) 1605 P.S.I.

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