Confidentiality Requested:
☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1362111

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 # 5030
Name: Vess Oil Corporation
Address 1: 1700 WATERFRONT PKWY BLDG 500
Address 2:
City: WICHITA State: KS Zip: 67206 + 6619
Contact Person: Casey Coats
Phone: (316) 682-1537
CONTRACTOR: License # 32701
Name: C & G Drilling, Inc.
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 #:

07/25/2017	07/31/2017	07/31/2017
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No.: 15-015-24085-00-00
Spot Description:
NW-NW-SW-NE Sec. 1 Twp. 26 S. R. 4 ☑ East ☐ West
1500 Feet from ☑ North / ☐ South Line of Section
2573 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: Butler
Lease Name: PORTER D Well #: 93
Field Name:
Producing Formation: Arbuckle
Elevation: Ground: 1406 Kelly Bushing: 1412
Total Vertical Depth: 2435 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 260 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: 1300 ppm Fluid volume: 600 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: Vess Oil Corporation
Lease Name: Robinson A License #: 5030
Quarter SW Sec. 31 Twp. 25 S. R. 05 ☑ East ☐ West
County: Butler Permit #: D24116

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:** Karen Ritter **Date:** 11/14/2017

1362111

Operator Name: Vess Oil Corporation Lease Name: PORTER D Well #: 93

Sec. 1 Twp. 26 S. R. 4 ☑ East ☐ West County: Butler

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

Geolgist Report / Mud Logs ☑ Yes ☐ No

List All E. Logs Run:

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

Name	Top	Datum
Haskell	1612	-200

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	260	Class A	150	3% cc

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:	METHOD OF COMPLETION:	PRODUCTION INTERVAL: Top	Bottom
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*		

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	PORTER D 93
Doc ID	1362111

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	260	Class A	150	3% cc

QES
PRESSURE PUMPING LLC

REMIT TO

QES Pressure Pumping LLC
Dept:970
P.O.Box 4346
Houston,TX 77210-4346

RECEIVED
AUG 04 2017
By

MAIN OFFICE

P.O.Box884
Chanute,KS 66720
620/431-9210,1-800/467-8676
Fax 620/431-0012

Invoice

Invoice# 810886

Invoice Date: 07/31/17 Terms: Net 30 Page 1

VESS OIL CORPORATION

1700 WATERFRONT PKWAY BLD 500
WICHITA KS 67206
USA

3166821537

PORTER D #93

Part No	Description	Quantity	Unit Price	Discount(%)	Total
CE0451	Cement Pump Charge 1501' - 3000'	1.000	1,900.0000	45.000	1,045.00
CE0002	Equipment Mileage Charge - Heavy Equipment	4.000	0.0000	0.000	0.00
CE0711	Minimum Cement Delivery Charge	1.000	660.0000	45.000	363.00
CC5829	Lite-Weight Blend V (60:40:4)	110.000	16.0000	45.000	968.00

Subtotal	4,320.00
Discounted Amount	1,944.00
SubTotal After Discount	2,376.00

Amount Due 4,438.80 If paid after 08/30/17

Tax:	65.34
Total:	2,441.34

QES
PRESSURE PUMPING LLC
P.O. Box 884
Chanute, KS 66720
620-431-9210 or 800-467-8676

8117
8612

TICKET NUMBER 53343A
LOCATION Eldorado
FOREMAN Jeremy Austin

FIELD TICKET & TREATMENT REPORT
CEMENT

Invoice #810886

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-31-17	8511	Porter D #93	1	26	04	Butler

CUSTOMER: Jess oil

MAILING ADDRESS: 1700 waterfront PKWY 500

CITY: wichita | STATE: KS | ZIP CODE: 67206

TRUCK #	DRIVER	TRUCK #	DRIVER
866	Jeremy A.		
446	Jeremy M		
775	Jude		

JOB TYPE Plug HOLE SIZE HOLE DEPTH CASING SIZE & WEIGHT
CASING DEPTH DRILL PIPE TUBING OTHER
SLURRY WEIGHT SLURRY VOL WATER gal/sk CEMENT LEFT in CASING
DISPLACEMENT DISPLACEMENT PSI MIX PSI RATE

REMARKS: Safty meeting hooked up to drill pipe broke Circulation pumped 35 SKS on top of Arbuckle then put 4 bbl of water then hooked up mud pumped pumed for 4 mins then pulled pipe up to 50' below Surface pipe then pumped 35 SKS + put 2 bbl water displacement then pulled pipe to 40' from Surface & Circulated Cement to Surface then put 20 SKS in Rat hole

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0451	1	PUMP CHARGE	1900.00	1900.00
CE0002	4	MILEAGE	4.15	N/C
CE0711	1	min bulk delivery	660.00	660.00
CC5829	110	60/40 4%	16.00	1760.00
		Subtotal	=	4320.00
		Discount	45%	1944.00
		Total	SALES TAX	= 65.34
			ESTIMATED TOTAL	2376.00

Ravin 3737

AUTHORIZTION Butch Cunff TITLE DATE

2441.34

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

QES
PRESSURE PUMPING LLC

REMIT TO

QES Pressure Pumping LLC
Dept:970
P.O.Box 4346
Houston,TX 77210-4346

MAIN OFFICE

P.O.Box884
Chanute,KS 66720
620/431-9210,1-800/467-8676
Fax 620/431-0012

Invoice

Invoice# 810841

Invoice Date: 07/28/17

Terms: Net 30

Page 1

VESS OIL CORPORATION

1700 WATERFRONT PKWAY BLD 500
WICHITA KS 67206
USA

3166821537

RECEIVED
JUL 31 2017
By

PORTER d #93

Part No	Description	Quantity	Unit Price	Discount(%)	Total
CE0450	Cement Pump Charge 0 - 1500'	1.000	1,500.0000	45.000	825.00
CE0002	Equipment Mileage Charge - Heavy Equipment	1.000	0.0000	0.000	0.00
CE0711	Minimum Cement Delivery Charge	1.000	660.0000	45.000	363.00
CC5800A	Class A Cement - Sack	150.000	20.0000	45.000	1,650.00
CC5325	Calcium Chloride	425.000	1.2500	45.000	292.19
CC6075	Celloflake	50.000	2.0000	45.000	55.00

Subtotal	5,791.25
Discounted Amount	2,606.06
SubTotal After Discount	3,185.19

Amount Due 6,036.36 If paid after 08/27/17

Tax:	134.81
Total:	3,320.00

QES
PRESSURE PUMPING LLC
P.O. Box 884
Chanute, KS 66720
PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

8079/8574

TICKET NUMBER 53452
LOCATION El Dorado
FOREMAN Brad Butler

FIELD TICKET & TREATMENT REPORT
CEMENT

Invoice #810841

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-26-17	8511	Porter D #93	1	26s	4E	Butler

CUSTOMER: Vess Oil Corporation
MAILING ADDRESS: 1700 Water Front Pkway Bld. 500
CITY: Wichita | STATE: Ks. | ZIP CODE: 67206

TRUCK #	DRIVER	TRUCK #	DRIVER
760	Chris		
713	Brad		
866	Jeremy A.		

JOB TYPE Surface | HOLE SIZE | HOLE DEPTH 262' | CASING SIZE & WEIGHT 8 5/8" 23lb
CASING DEPTH 262' | DRILL PIPE | TUBING | OTHER
SLURRY WEIGHT 15.2 lb. | SLURRY VOL 32 Bbls | WATER gal/sk 5.2 | CEMENT LEFT in CASING 20'
DISPLACEMENT 15 | DISPLACEMENT PSI | MIX PSI | RATE

REMARKS: Safety Meeting: Rig up to 8 5/8" casing, break circulation with fresh water. Mixed 150 sks. Reg. cement w/chemicals, displace cement with 15 Bbls water. Shut down. Closed casing in with good cement returns.
Job complete Teardown

"Thank You"

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE 0450	1	PUMP CHARGE	1500.00	1500.00
CE 0002	—	MILEAGE	7.15	N/C
CE 0711	N/C	Bulk Truck charge	660.00	660.00
3057 CC 5800A	150 sacks	Regular - class A cement	20.00	3000.00
CC 5325	425 lbs.	CACl2 3%	1.25	531.25
CC 6075	50 lbs.	Poly Flake	2.00	100.00
				5,791.25
		45% Discount		-2606.06
				3185.19
		6.75%	SALES TAX	134.81
			ESTIMATED TOTAL	3320.00

Ravin 3737

AUTHORIZTION Witnessed by Judd w/ C&G Drilling TITLE DATE

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

ATTACHMENT TO ACO-1

Porter D-93 – API #15-015-24085-0000
1500'FNL, 2573'FELSec. 1-26S-04E
Butler County, KS

	SAMPLE TOPS
Haskell	1612 (-200)
Iatan	1643(-231)
Lansing	1697(-285)
Lansing Base	1850(-439)
Kansas City	1993(-581)
Stark	2095(-683)
B/KC	2149(-737)
Checkerboard	2225(-813)
Altamont	2258 (-846)
Pawnee	2303 (-891)
Cherokee	2341(-929)
Ardmore	2396(-984)
Arbuckle	2405(-993)
PTD	2435(-1023)

DST #1 2338-2420 Zone: Arbuckle (2405-20)
Times: 30-45-45-60
1st open: ¼" blow , built to 2 ¾" in 30 min No BB
2nd open No blow , built to 2" in 45 min No BB
Rec.: 25' GIP, 50' of CGO(33 grav), 30' of OCM(15-O, 85-M)
Tool: 20-O, 80-M
IHP: 1104 FHP: 1076
IFP: 15-28 FFP: 32-45
ISIP: 886 FSIP: 886 TEMP:106 degrees F

DST #2 2420-30 Zone: Arbuckle
Times: 30-45-45-60
1st open: Weak surface blow- Died in 11 min No BB
2nd open No blow- No build No BB
Rec.: 10' VSLOCM(3-O, 97-M)
Tool: 3-O, 97-M
IHP: 1156 FHP: 1138
IFP: 13-15 FFP: 16-19
ISIP: 891 FSIP: 900 TEMP: 104 degrees F

DST #3 2426-35 Zone: Arbuckle
Times: 30-45-45-60
1st open: Strong blow-BOB in 1 1/4 min No BB
2nd open Strong blow- BOB in 1 min 55 sec No BB
Rec.: 1776' TF: 2' CO, 18' OCMCW(12-O, 71-W, 17-M)
403' SLOCMCW(2-O, 78-W, 20-M), 1353' VSLOCSLMCW(1-O, 96-W, 3-M)
Tool: 16 -O,44 -W, 40-M
IHP: 1147 FHP: 1134
IFP: 61-484 FFP: 492-800
ISIP: 939 FSIP: 940
25000 chlorides TEMP: 104 degrees F

DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
PORTERD#93DST#1

Company Vess Oil Corporation Lease & Well No. Porter "D" No. 93
Elevation 1412 KB Formation Arbuckle Effective Pay -- Ft. Ticket No. P0195
Date 7-29-17 Sec. 1 Twp. 26S Range 4E County Butler State Kansas
Test Approved By Roger L. Martin Diamond Representative Michael Carroll

Formation Test No. 1 Interval Tested from 2,338 ft. to 2,420 ft. Total Depth 2,420 ft
Packer Depth 2,333 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Packer Depth 2,338 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Depth of Selective Zone Set ____ ft.

Top Recorder Depth (Inside) 2,323 ft. Recorder Number 5950 Cap. 5,000 psi.
Bottom Recorder Depth (Outside) 2,406 ft. Recorder Number 5588 Cap. 6,000 psi.
Below Straddle Recorder Depth ____ ft. Recorder Number ____ Cap. ____ psi.

Drilling Contractor C & G Drilling Company - Rig 1 Drill Collar Length 237 ft I.D. 2 1/4 in.
Mud Type Chemical Viscosity 46 Weight Pipe Length -- ft I.D. -- in.
Weight 9.1 Water Loss 9.2 cc. Drill Pipe Length 2,068 ft I.D. 3 in.
Chlorides 1,000 P.P.M. Test Tool Length 33 ft Tool Size 3 1/2-FH in.
Jars: Make Sterling Serial Number 11 Anchor Length 20' perf. w/62' drill pipe Size 4 1/2-FH in.
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4-FH in.

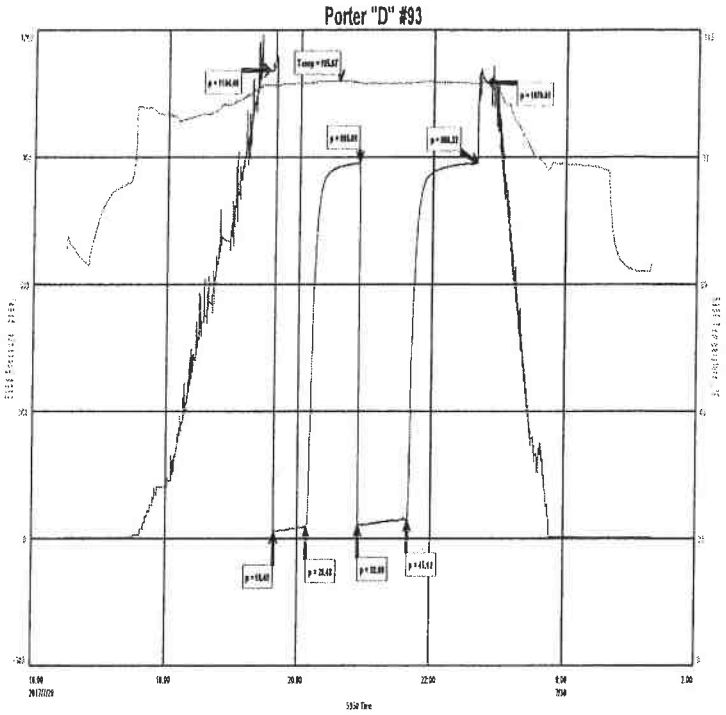
Blow: 1st Open: 1/4 in. blow increasing to 2 3/4 ins. in 30 mins. No blow back during shut-in.
2nd Open: No blow increasing to 2 ins. in 45 mins. No blow back during shut-in.

Recovered 25 ft. of gas in pipe
Recovered 50 ft. of clean oil = .542000 bbls. (Gravity: 33 @ 60°)
Recovered 30 ft. of slightly oil cut mud = .325200 bbls. (Grind out: 15%-oil; 85%-mud)
Recovered 80 ft. of TOTAL FLUID = .867200 bbls.
Recovered ____ ft. of ____
Recovered ____ ft. of ____
Remarks Tool Sample Grind Out: 20%-oil; 80%-mud

Time Set Packer(s) 7:35 P.M. Time Started off Bottom 10:35 P.M. Maximum Temperature 106°
Initial Hydrostatic Pressure.....(A) 1104 P.S.I.
Initial Flow Period.....Minutes 30 (B) 15 P.S.I. to (C) 28 P.S.I.
Initial Closed In Period.....Minutes 45 (D) 886 P.S.I.
Final Flow Period.....Minutes 45 (E) 32 P.S.I to (F) 45 P.S.I.
Final Closed In Period.....Minutes 60 (G) 886 P.S.I.
Final Hydrostatic Pressure.....(H) 1076 P.S.I.

Michael Carroll
620-617-0368
carroll.dtllc@gmail.com

Hoisington, Kansas



General Information

Company Name Vess Oil Corporation

Contact	Casey Coats
Well Name	Porter "D" #93
Unique Well ID	Dst #1 Arbuckle 2338-2420'
Surface Location	Sec 1-26s-4e Butler County
Field	El Dorado
Well Type	Vertical
Test Type	Drill Stem Test
Well Operator	Vess Oil Corporation
Formation	Dst #1 Arbuckle 2338-2420'
Well Fluid Type	01 Oil
Test Purpose	Initial Test
Start Test Date	2017/07/29
Start Test Time	16:30:00
Final Test Time	01:20:00
Job Number	P0195
Report Date	2017/07/29
Prepared By	Michael Carroll

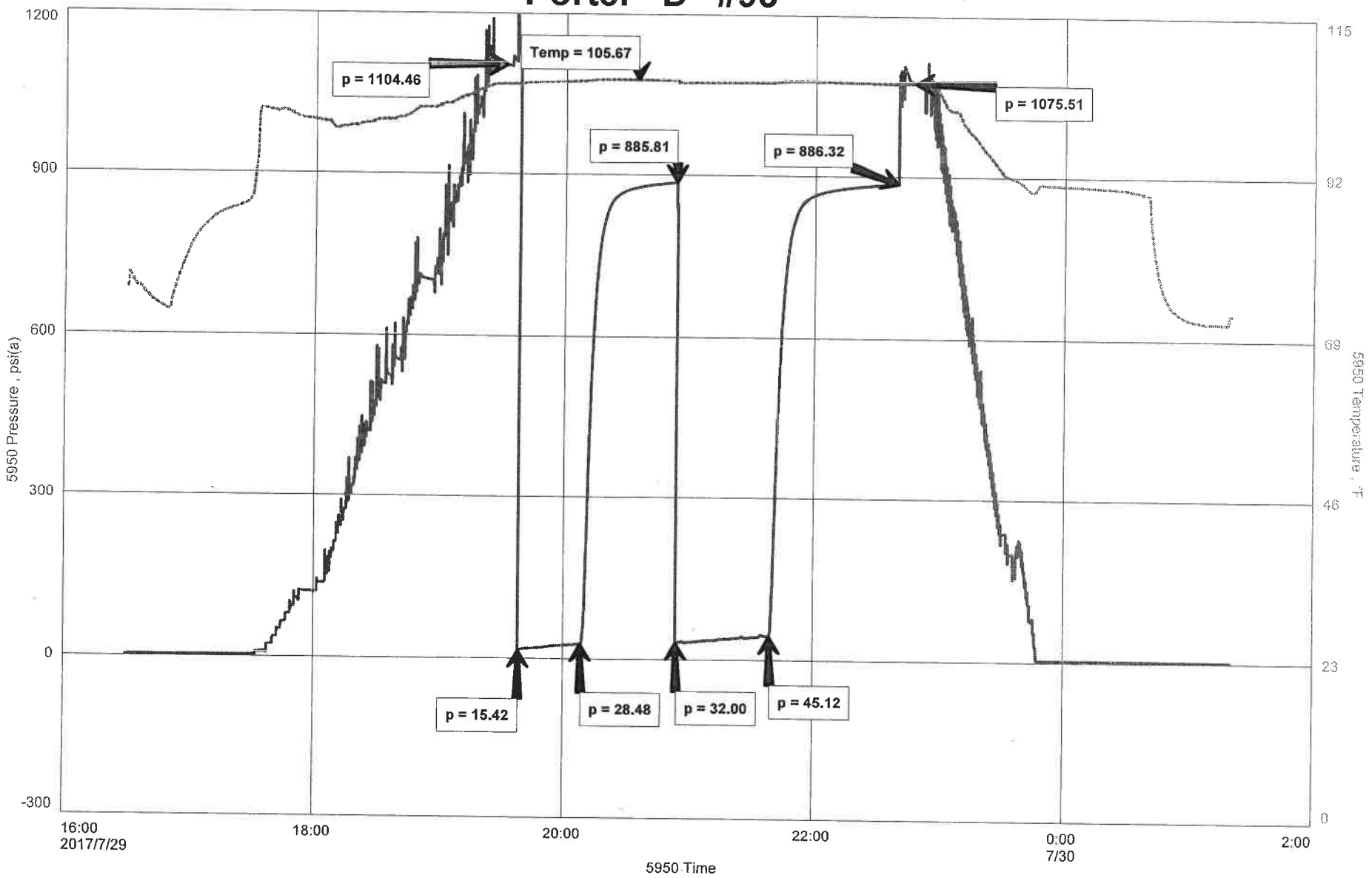
TEST RECOVERY

Remarks Recovery:	25'	Gas In Pipe	
	50'	Clean Oil	Gravity: 33 @ 60 Degrees
	30'	SLOCM	15% O 85% M
	80'	Total Fluid	
Tool Sample:	20% O	80% M	

Vess Oil Corporation
Dst #1 Arbuckle 2338-2420'
Start Test Date: 2017/07/29
Final Test Date: 2017/07/30

Porter "D" #93
Formation: Dst #1 Arbuckle 2338-2420'
Pool: Infield
Job Number: P0195

Porter "D" #93



DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
PORTERD#93DST#2

Company Vess Oil Corporation Lease & Well No. Porter "D" No. 93
Elevation 1412 KB Formation Arbuckle Effective Pay -- Ft. Ticket No. P0196
Date 7-30-17 Sec. 1 Twp. 26S Range 4E County Butler State Kansas
Test Approved By Roger L. Martin Diamond Representative Michael Carroll

Formation Test No. 2 Interval Tested from 2,420 ft. to 2,430 ft. Total Depth 2,430 ft
Packer Depth 2,415 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Packer Depth 2,420 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Depth of Selective Zone Set ____ ft.

Top Recorder Depth (Inside) 2,405 ft. Recorder Number 5950 Cap. 5,000 psi.
Bottom Recorder Depth (Outside) 2,421 ft. Recorder Number 5588 Cap. 6,000 psi.
Below Straddle Recorder Depth ____ ft. Recorder Number ____ Cap. ____ psi.

Drilling Contractor C & G Drilling Company - Rig 1 Drill Collar Length 237 ft I.D. 2 1/4 in.
Mud Type Chemical Viscosity 48 Weight Pipe Length -- ft I.D. -- in.
Weight 9.0 Water Loss 8.4 cc. Drill Pipe Length 2,150 ft I.D. 3 in.
Chlorides 1,000 P.P.M. Test Tool Length 33 ft Tool Size 3 1/2-FH in.
Jars: Make Sterling Serial Number 11 Anchor Length 10 ft. Size 4 1/2-FH in.
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4-FH in.

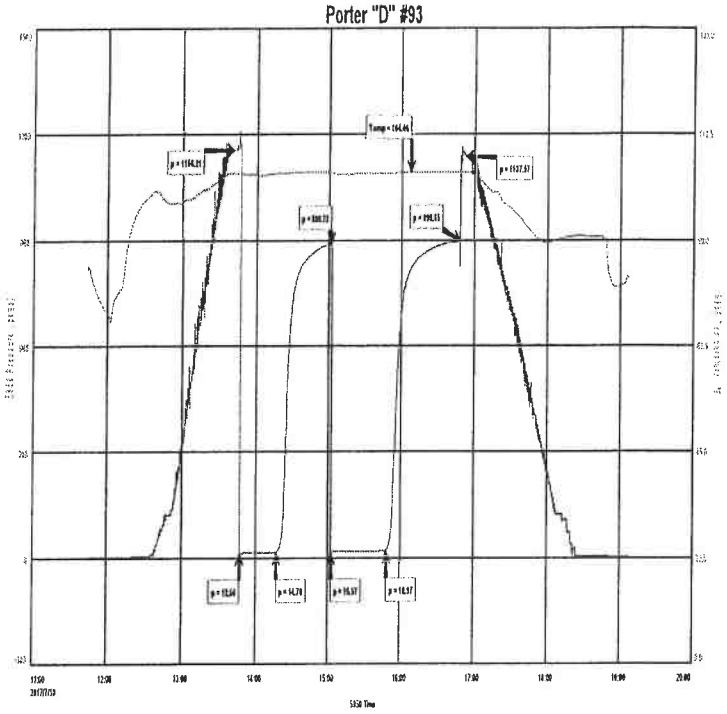
Blow: 1st Open: Weak, surface blow. Died in 11 mins. No blow back during shut-in.
2nd Open: No blow. No build. No blow back during shut-in.

Recovered 10 ft. of slightly oil cut mud = .108400 bbls. (Grind out: 3%-oil; 97%-mud)
Recovered ____ ft. of ____
Recovered ____ ft. of ____
Recovered ____ ft. of ____
Recovered ____ ft. of ____
Recovered ____ ft. of ____
Remarks Tool Sample Grind Out: 3%-oil; 97%-mud

Time Set Packer(s) 1:45 P.M. Time Started off Bottom 4:45 P.M. Maximum Temperature 104°
Initial Hydrostatic Pressure.....(A) 1156 P.S.I.
Initial Flow Period.....Minutes 30 (B) 13 P.S.I. to (C) 15 P.S.I.
Initial Closed In Period.....Minutes 45 (D) 891 P.S.I.
Final Flow Period.....Minutes 45 (E) 16 P.S.I to (F) 19 P.S.I.
Final Closed In Period.....Minutes 60 (G) 900 P.S.I.
Final Hydrostatic Pressure.....(H) 1138 P.S.I.

Michael Carroll
620-617-0368
carroll.dtllc@gmail.com

Hoisington, Kansas



General Information

Company Name Vess Oil Corporation

Contact	Casey Coats
Well Name	Porter "D" #93
Unique Well ID	Dst #2 Arbuckle 2420-2430'
Surface Location	Sec 1-26s-4e Butler County
Field	El Dorado
Well Type	Vertical
Test Type	Drill Stem Test
Well Operator	Vess Oil Corporation
Formation	Dst #2 Arbuckle 2420-2430'
Well Fluid Type	01 Oil
Test Purpose	Initial Test
Start Test Date	2017/07/30
Start Test Time	11:45:00
Final Test Time	19:08:00
Job Number	P0196
Report Date	2017/07/30
Prepared By	Michael Carroll

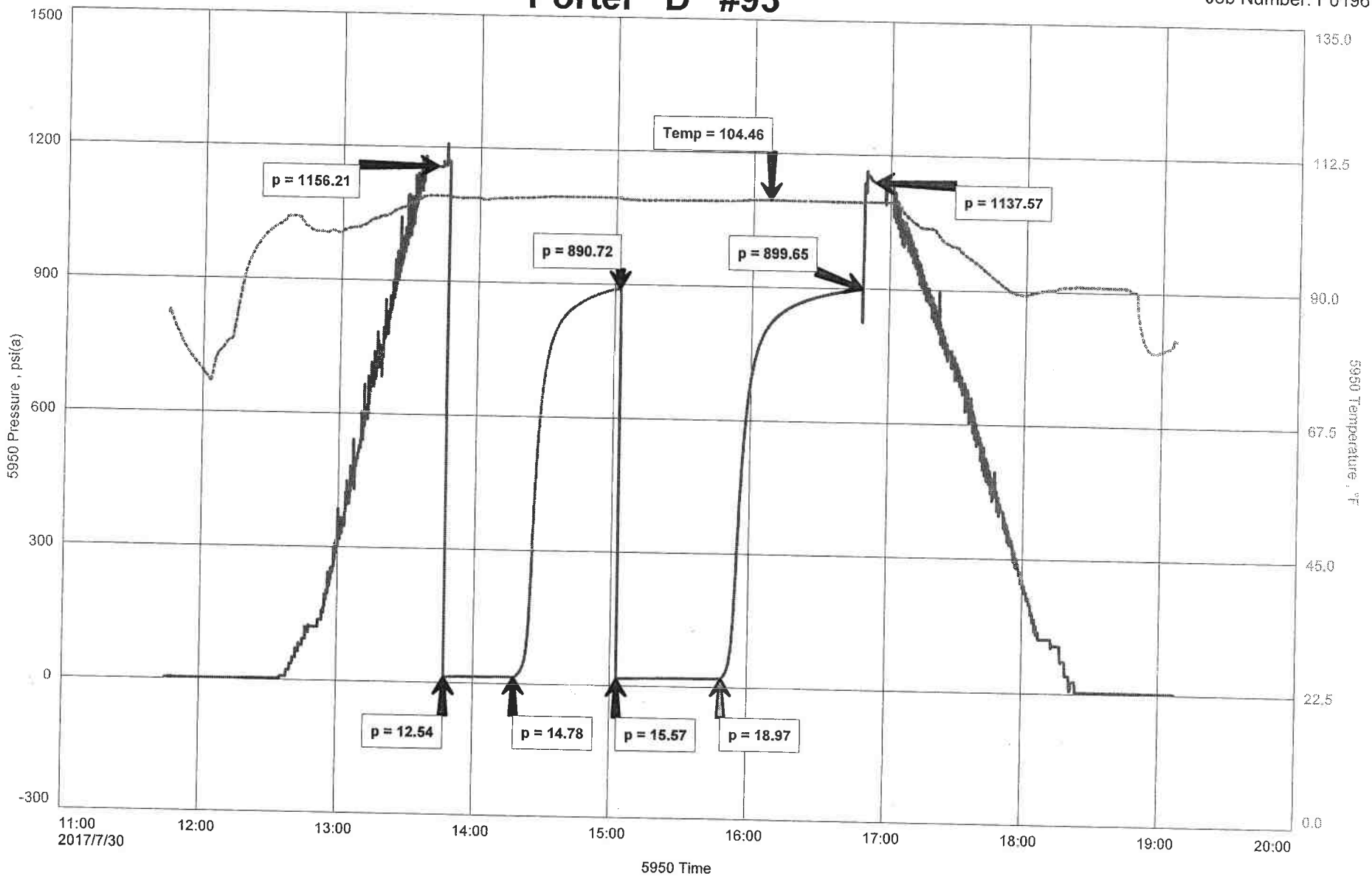
TEST RECOVERY

Remarks	Recovery:	10'	SLOCM	3% O	97% M
		10'	Total Fluid		
	Tool Sample:	3% O	97% M		

Vess Oil Corporation
Dst #2 Arbuckle 2420-2430'
Start Test Date: 2017/07/30
Final Test Date: 2017/07/30

Porter "D" #93
Formation: Dst #2 Arbuckle 2420-2430'
Pool: Infield
Job Number: P0196

Porter "D" #93



DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
PORTERD#93DST#3

Company Vess Oil Corporation Lease & Well No. Porter "D" No. 93
Elevation 1412 KB Formation Arbuckle Effective Pay -- Ft. Ticket No. P0197
Date 7-31-17 Sec. 1 Twp. 26S Range 4E County Butler State Kansas
Test Approved By Roger L. Martin Diamond Representative Michael Carroll

Formation Test No. 3 Interval Tested from 2,426 ft. to 2,435 ft. Total Depth 2,435 ft
Packer Depth 2,421 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Packer Depth 2,426 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 2,411 ft. Recorder Number 5950 Cap. 5,000 psi.
Bottom Recorder Depth (Outside) 2,427 ft. Recorder Number 5588 Cap. 6,000 psi.
Below Straddle Recorder Depth ft. Recorder Number Cap. psi.

Drilling Contractor C & G Drilling Company - Rig 1
Mud Type Chemical Viscosity 48
Weight 9.0 Water Loss 8.4 cc.
Chlorides 1,000 P.P.M.
Jars: Make Sterling Serial Number 11
Did Well Flow? No Reversed Out No

Drill Collar Length 237 ft I.D. 2 1/4 in.
Weight Pipe Length -- ft I.D. -- in.
Drill Pipe Length 2,156 ft I.D. 3 in.
Test Tool Length 33 ft Tool Size 3 1/2-FH in.
Anchor Length 9 ft. Size 4 1/2-FH in.
Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4-FH in.

Blow: 1st Open: 3 in. blow increasing. Off bottom of bucket in 1 min. 15 secs. No blow back during shut-in.
2nd Open: 1 in. blow increasing. Off bottom of bucket in 1 min. 55 secs. No blow back during shut-in.

Recovered 2 ft. of clean oil = .028460 bbls.
Recovered 18 ft. of slightly oil cut, slightly mud cut water = .256140 bbls. (Grind out: 12%-oil; 71%-water; 17%-mud)
Recovered 403 ft. of slightly oil cut, mud cut water = 5.734690 bbls. (Grind out: 2%-oil; 78%-water; 20%-mud)
Recovered 1,353 ft. of slightly oil cut, slightly mud cut water = 18.449760 bbls. (Grind out: 1%-oil; 96%-water; 3%-mud)
Recovered 1,776 ft. of TOTAL FLUID = 24.469050 bbls. Chlorides: 25,000 Ppm PH: 7.0 RW: .30 @ 70°
Recovered ft. of
Remarks Tool Sample Grind Out: 16%-oil; 44%-water; 40%-mud

Time Set Packer(s) 4:25 A.M. Time Started off Bottom 7:25 A.M. Maximum Temperature 104°
Initial Hydrostatic Pressure.....(A) 1149 P.S.I.
Initial Flow Period.....Minutes 30 (B) 61 P.S.I. to (C) 484 P.S.I.
Initial Closed In Period.....Minutes 45 (D) 939 P.S.I.
Final Flow Period.....Minutes 45 (E) 492 P.S.I to (F) 800 P.S.I.
Final Closed In Period.....Minutes 60 (G) 940 P.S.I.
Final Hydrostatic Pressure.....(H) 1134 P.S.I.

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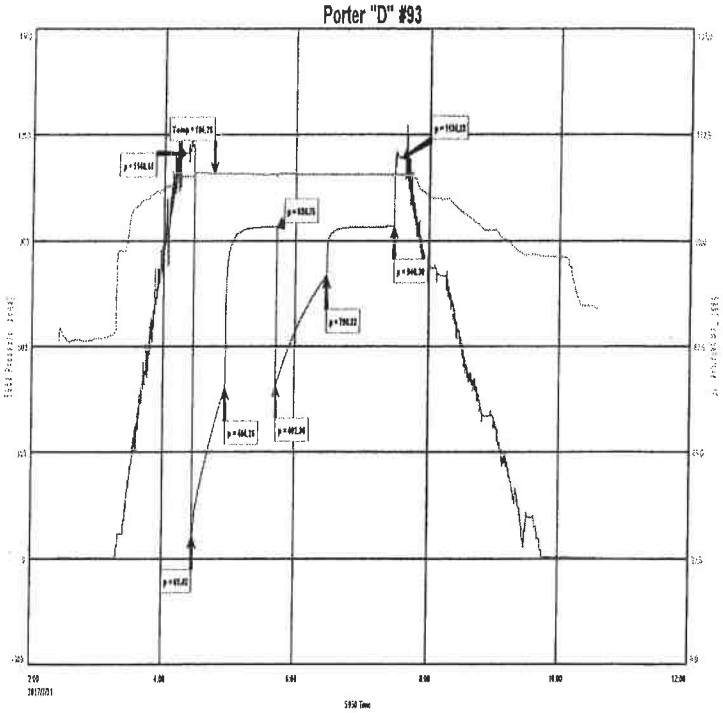
Hoisington, Kansas



General Information

Company Name Vess Oil Corporation

Contact	Casey Coats
Well Name	Porter "D" #93
Unique Well ID	Dst #3 Arbuckle 2426-2435'
Surface Location	Sec 1-26s-4e Butler County
Field	El Dorado
Well Type	Vertical
Test Type	Drill Stem Test
Well Operator	Vess Oil Corporation
Formation	Dst #3 Arbuckle 2426-2435'
Well Fluid Type	06 Water
Test Purpose	Initial Test
Start Test Date	2017/07/31
Start Test Time	02:25:00
Final Test Time	10:37:00
Job Number	P0197
Report Date	2017/07/31
Prepared By	Michael Carroll

TEST RECOVERY

Remarks Recovery:

2'	Clean Oil			
18'	SLOCSLMCW	12% O	71% W	17% M
403'	SLOCMCW	2% O	78% W	20% M
1353'	SLOCSLMCW	1% O	96% W	3% M
1776'	Total Fluid			

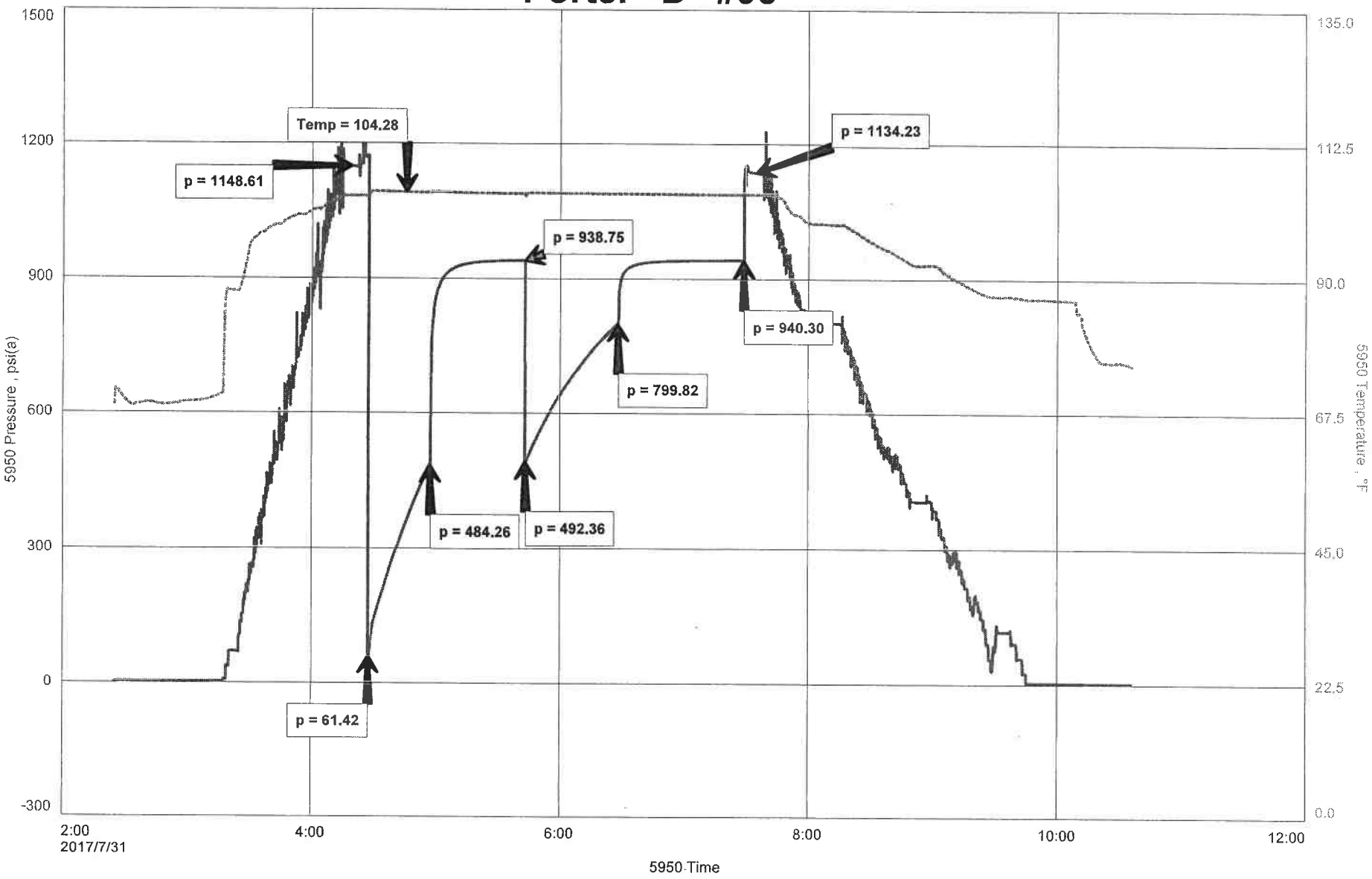
Tool Sample: 16% O 44% W 40% M

Chlorides: 25,000 PPM
PH: 7
RW: .3 @ 70 Degrees

Vess Oil Corporation
Dst #3 Arbuckle 2426-2435'
Start Test Date: 2017/07/31
Final Test Date: 2017/07/31

Porter "D" #93
Formation: Dst #3 Arbuckle 2426-2435'
Pool: Infield
Job Number: P0197

Porter "D" #93



ROGER L. MARTIN

PETROLEUM GEOLOGIST, INC.
PRODUCING PROPERTIES, EXPLORATION, DEVELOPMENT, OIL AND GAS OPERATOR

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

WELL INFORMATION			
COMP.	MORGAN PETROLEUM	API	15 - 137 - 20,788
WELL	ELDRIDGE	Lease	Eldridge
LOCATION	C NE NW S 21 T9 R25W	Field	Wildcat
SECTION	21	TOWNSHIP	9	RANGE	25	County	Norton
COUNTY	NORTON	STATE	KANSAS
DRILLING CONTRACTOR	D & A DRILLING CO.		
ELEVATION	GL 2277	KB 2282	Spud Date	10-22-2009
SURF. CASING	8 5/8" @ 224'		Rig	1
PROD. CASING	NONE		Log Date	10-29-2009
TOTAL DEPTH	3700'		Logged Interval	3400' - 3700'
DRILLING TIME & SAMPLE LOG			
DRILLING TIME	3400' - 3700'		
SAMPLE	3400' - 3700'		
LITHOLOGY	3400' - 3700'		
DRILL STEM TESTS	NONE		
CORING	NONE		
ELECTRICAL SURVEY	NONE		
DRILLING TIME & SAMPLE LOG			

DRILLING TIME	SAMPLE	LITHOLOGY
3400 - 3700'	3400 - 3700'	
3400 - 3700'	3400 - 3700'	
3400 - 3700'	3400 - 3700'	