[redacted]

Confidentiality Requested:
☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1324668

Form ACO-1
August 2013
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 ☐ SIOW
☐ Gas ☑ D&A ☐ ENHR ☐ SIGW
☐ OG ☐ GSW ☐ Temp. Abd.
☐ 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 ENHR ☐ Conv. to SWD
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

12/05/2016	12/10/2016	12/11/2016
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-015-24077-00-00
Spot Description:
N2 - NE - SW - NW Sec. 34 Twp. 25 S. R. 5 ☑ East ☐ West
1565 Feet from ☑ North / ☐ South Line of Section
990 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: HAZLETT A Well #: 48
Field Name:
Producing Formation: Viola
Elevation: Ground: 1338 Kelly Bushing: 1347
Total Vertical Depth: 2509 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 262 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**
☑ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** Karen Ritter **Date:** 01/24/2017

[redacted]

1324668

Operator Name: Vess Oil Corporation Lease Name: HAZLETT A Well #: 48

Sec. 34 Twp. 25 S. R. 5 ☑ 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

List All E. Logs Run:

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

Name	Top	Datum
Admire 650	620	727

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	262	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	-			
	-			

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)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth

TUBING RECORD: Size: Set At: Packer At: Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR.

Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)* _____

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

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

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

PRODUCTION INTERVAL:
_____
_____

Form	ACO1 - Well Completion
Operator	Vess Oil Corporation
Well Name	HAZLETT A 48
Doc ID	1324668

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	262	Class A	150	3% cc

ROGER L. MARTIN
INDEPENDENT PETROLEUM GEOLOGIST

GEOLOGIST'S REPORT

COMPANY: DEVON ENERGY PRODUCTION CO., L.P.	LOCATION:
WELL: "SAMANTHA" 1-6	Block: 2
FIELD: SL-WINDSOR	Abstract/Survey: Abst. 98 Wm. Cooper
COUNTY: LIVE OAK STATE: TEXAS	County: LIVE OAK
Elevation: 187 KB Elevation: 162 GL	Date: 12/01/2006 to 12/08/2006
Contractor: NOTEX Rig #: 5 Engine: NOTEX	
Contractor: INTERNATIONAL Rig #: 1 Engine:	
Hole Size: 7 7/8" Depth: 7,200'	
Mud Type: Chemical Mud Engineer: Mike Ward	
Surface Casing: 8 5/8" @ 1,500'	
Production Casing: 5 1/2" @ 7,200'	

PRINCIPAL TOPS	TVD	SUBSEA
Austin Chalk	1,500'	-1,338'
Buda	3,150'	-2,988'
Eagle Ford	3,400'	-3,238'
Pecan Gap	4,800'	-4,638'
Austin Chalk	5,000'	-4,838'
Eagle Ford	5,300'	-5,138'
Buda	5,500'	-5,338'
Pecan Gap	6,000'	-5,838'
Austin Chalk	6,200'	-6,038'
Eagle Ford	6,500'	-6,338'
Buda	6,700'	-6,538'
Pecan Gap	7,000'	-6,838'
Austin Chalk	7,200'	-7,038'
Eagle Ford	7,500'	-7,338'
Buda	7,700'	-7,538'
Pecan Gap	8,000'	-7,838'
Austin Chalk	8,200'	-8,038'
Eagle Ford	8,500'	-8,338'
Buda	8,700'	-8,538'
Pecan Gap	9,000'	-8,838'
Austin Chalk	9,200'	-9,038'
Eagle Ford	9,500'	-9,338'
Buda	9,700'	-9,538'
Pecan Gap	10,000'	-9,838'
Austin Chalk	10,200'	-10,038'
Eagle Ford	10,500'	-10,338'
Buda	10,700'	-10,538'
Pecan Gap	11,000'	-10,838'
Austin Chalk	11,200'	-11,038'
Eagle Ford	11,500'	-11,338'
Buda	11,700'	-11,538'
Pecan Gap	12,000'	-11,838'
Austin Chalk	12,200'	-12,038'
Eagle Ford	12,500'	-12,338'
Buda	12,700'	-12,538'
Pecan Gap	13,000'	-12,838'
Austin Chalk	13,200'	-13,038'
Eagle Ford	13,500'	-13,338'
Buda	13,700'	-13,538'
Pecan Gap	14,000'	-13,838'
Austin Chalk	14,200'	-14,038'
Eagle Ford	14,500'	-14,338'
Buda	14,700'	-14,538'
Pecan Gap	15,000'	-14,838'
Austin Chalk	15,200'	-15,038'
Eagle Ford	15,500'	-15,338'
Buda	15,700'	-15,538'
Pecan Gap	16,000'	-15,838'
Austin Chalk	16,200'	-16,038'
Eagle Ford	16,500'	-16,338'
Buda	16,700'	-16,538'
Pecan Gap	17,000'	-16,838'
Austin Chalk	17,200'	-17,038'
Eagle Ford	17,500'	-17,338'
Buda	17,700'	-17,538'
Pecan Gap	18,000'	-17,838'
Austin Chalk	18,200'	-18,038'
Eagle Ford	18,500'	-18,338'
Buda	18,700'	-18,538'
Pecan Gap	19,000'	-18,838'
Austin Chalk	19,200'	-19,038'
Eagle Ford	19,500'	-19,338'
Buda	19,700'	-19,538'
Pecan Gap	20,000'	-19,838'
Austin Chalk	20,200'	-20,038'
Eagle Ford	20,500'	-20,338'
Buda	20,700'	-20,538'
Pecan Gap	21,000'	-20,838'
Austin Chalk	21,200'	-21,038'
Eagle Ford	21,500'	-21,338'
Buda	21,700'	-21,538'
Pecan Gap	22,000'	-21,838'
Austin Chalk	22,200'	-22,038'
Eagle Ford	22,500'	-22,338'
Buda	22,700'	-22,538'
Pecan Gap	23,000'	-22,838'
Austin Chalk	23,200'	-23,038'
Eagle Ford	23,500'	-23,338'
Buda	23,700'	-23,538'
Pecan Gap	24,000'	-23,838'
Austin Chalk	24,200'	-24,038'
Eagle Ford	24,500'	-24,338'
Buda	24,700'	-24,538'
Pecan Gap	25,000'	-24,838'
Austin Chalk	25,200'	-25,038'
Eagle Ford	25,500'	-25,338'
Buda	25,700'	-25,538'
Pecan Gap	26,000'	-25,838'
Austin Chalk	26,200'	-26,038'
Eagle Ford	26,500'	-26,338'
Buda	26,700'	-26,538'
Pecan Gap	27,000'	-26,838'
Austin Chalk	27,200'	-27,038'
Eagle Ford	27,500'	-27,338'
Buda	27,700'	-27,538'
Pecan Gap	28,000'	-27,838'
Austin Chalk	28,200'	-28,038'
Eagle Ford	28,500'	-28,338'
Buda	28,700'	-28,538'
Pecan Gap	29,000'	-28,838'
Austin Chalk	29,200'	-29,038'
Eagle Ford	29,500'	-29,338'
Buda	29,700'	-29,538'
Pecan Gap	30,000'	-29,838'
Austin Chalk	30,200'	-30,038'
Eagle Ford	30,500'	-30,338'
Buda	30,700'	-30,538'
Pecan Gap	31,000'	-30,838'
Austin Chalk	31,200'	-31,038'
Eagle Ford	31,500'	-31,338'
Buda	31,700'	-31,538'
Pecan Gap	32,000'	-31,838'
Austin Chalk	32,200'	-32,038'
Eagle Ford	32,500'	-32,338'
Buda	32,700'	-32,538'
Pecan Gap	33,000'	-32,838'
Austin Chalk	33,200'	-33,038'
Eagle Ford	33,500'	-33,338'
Buda	33,700'	-33,538'
Pecan Gap	34,000'	-33,838'
Austin Chalk	34,200'	-34,038'
Eagle Ford	34,500'	-34,338'
Buda	34,700'	-34,538'
Pecan Gap	35,000'	-34,838'
Austin Chalk	35,200'	-35,038'
Eagle Ford	35,500'	-35,338'
Buda	35,700'	-35,538'
Pecan Gap	36,000'	-35,838'
Austin Chalk	36,200'	-36,038'
Eagle Ford	36,500'	-36,338'
Buda	36,700'	-36,538'
Pecan Gap	37,000'	-36,838'
Austin Chalk	37,200'	-37,038'
Eagle Ford	37,500'	-37,338'
Buda	37,700'	-37,538'
Pecan Gap	38,000'	-37,838'
Austin Chalk	38,200'	-38,038'
Eagle Ford	38,500'	-38,338'
Buda	38,700'	-38,538'
Pecan Gap	39,000'	-38,838'
Austin Chalk	39,200'	-39,038'
Eagle Ford	39,500'	-39,338'
Buda	39,700'	-39,538'
Pecan Gap	40,000'	-39,838'
Austin Chalk	40,200'	-40,038'
Eagle Ford	40,500'	-40,338'
Buda	40,700'	-40,538'
Pecan Gap	41,000'	-40,838'
Austin Chalk	41,200'	-41,038'
Eagle Ford	41,500'	-41,338'
Buda	41,700'	-41,538'
Pecan Gap	42,000'	-41,838'
Austin Chalk	42,200'	-42,038'
Eagle Ford	42,500'	-42,338'
Buda	42,700'	-42,538'
Pecan Gap	43,000'	-42,838'
Austin Chalk	43,200'	-43,038'
Eagle Ford	43,500'	-43,338'
Buda	43,700'	-43,538'
Pecan Gap	44,000'	-43,838'
Austin Chalk	44,200'	-44,038'
Eagle Ford	44,500'	-44,338'
Buda	44,700'	-44,538'
Pecan Gap	45,000'	-44,838'
Austin Chalk	45,200'	-45,038'
Eagle Ford	45,500'	-45,338'
Buda	45,700'	-45,538'
Pecan Gap	46,000'	-45,838'
Austin Chalk	46,200'	-46,038'
Eagle Ford	46,500'	-46,338'
Buda	46,700'	-46,538'
Pecan Gap	47,000'	-46,838'
Austin Chalk	47,200'	-47,038'
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Pecan Gap	48,000'	-47,838'
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Pecan Gap	74,000'	-73,838'
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Pecan Gap	76,000'	-75,838'
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Pecan Gap	79,000'	-78,838'
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Pecan Gap	80,000'	-79,838'
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Pecan Gap	94,000'	-93,838'
Austin Chalk	94,200'	-94,038'
Eagle Ford	94,500'	-94,338'
Buda	94,700'	-94,538'
Pecan Gap	95,000'	-94,838'
Austin Chalk	95,200'	-95,038'
Eagle Ford	95,500'	-95,338'
Buda	95,700'	-95,538'
Pecan Gap	96,000'	-95,838'
Austin Chalk	96,200'	-96,038'
Eagle Ford	96,500'	-96,338'
Buda	96,700'	-96,538'
Pecan Gap	97,000'	-96,838'
Austin Chalk	97,200'	-97,038'
Eagle Ford	97,500'	-97,338'
Buda	97,700'	-97,538'
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Buda	98,700'	-98,538'
Pecan Gap	99,000'	-98,838'
Austin Chalk	99,200'	-99,038'
Eagle Ford	99,500'	-99,338'
Buda	99,700'	-99,538'
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DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
HAZLETTA48DST1

Company Vess Oil Corporation Lease & Well No. Hazlett "A" No. 48
Elevation 1347 KB Formation Viola Effective Pay -- Ft. Ticket No. F459
Date 12-9-16 Sec. 34 Twp. 25S Range 5E County Butler State Kansas
Test Approved By Roger L. Martin Diamond Representative Jake Fahrenbruch

Formation Test No. 1 Interval Tested from 2,407 ft. to 2,490 ft. Total Depth 2,490 ft
Packer Depth 2,402 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Packer Depth 2,407 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 2,412 ft. Recorder Number 5951 Cap. 5,000 psi.
Bottom Recorder Depth (Outside) 2,413 ft. Recorder Number 5586 Cap. 5,000 psi.
Below Straddle Recorder Depth ft. Recorder Number Cap. psi.

Drilling Contractor C & G Drilling Company - Rig 2
Mud Type Chemical Viscosity 37
Weight 9.4 Water Loss 6.4 cc.
Chlorides 900 P.P.M.
Jars: Make Sterling Serial Number 5
Did Well Flow? No Reversed Out No

Drill Collar Length 236 ft I.D. 2 1/4 in.
Weight Pipe Length -- ft I.D. -- in.
Drill Pipe Length 2,143 ft I.D. 3 1/2 in.
Test Tool Length 28 ft Tool Size 3 1/2-IF in.
Anchor Length 18' perf. w/65' drill pipe 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 1/2-XH in.

Blow: 1st Open: Blow increasing to 9 1/2 ins. No blow back during shut-in.
2nd Open: Blow increasing to 7 1/2 ins. No blow back during shut-in.

Recovered 30 ft. of oil specked, water cut mud = .147600 bbls. (Grind out: 2%-oil; 5%-water; 93%-mud)
Recovered 100 ft. of slightly oil specked, watery mud = .492000 bbls. (Grind out: <1%-oil; 30%-water; >69%-mud)
Recovered 60 ft. of mud cut water = .295200 bbls. (Grind out: 90%-water; 10%-mud)
Recovered 190 ft. of TOTAL FLUID = .934800 bbls.
Recovered ft. of
Recovered ft. of
Remarks Tool Sample Grind Out: <1%-oil; >99%-water (Chlorides: 44,000 Ppm PH: 6.0 RW: .38 @ 30°)

Time Set Packer(s) 6:28 P.M. Time Started off Bottom 9:28 P.M. Maximum Temperature 93°
Initial Hydrostatic Pressure.....(A) 1178 P.S.I.
Initial Flow Period.....Minutes 30 (B) 30 P.S.I. to (C) 69 P.S.I.
Initial Closed In Period.....Minutes 45 (D) 691 P.S.I.
Final Flow Period.....Minutes 45 (E) 73 P.S.I to (F) 109 P.S.I.
Final Closed In Period.....Minutes 60 (G) 657 P.S.I.
Final Hydrostatic Pressure.....(H) 1175 P.S.I.

DIAMOND TESTING GENERAL REPORT

Jake Fahrenbruch, Tester
Cell: (620) 282-8977 / Office: (800) 542-7313

TEST INFORMATION

Well Name	Hazlett "A" #48
Company Name	Vess Oil Corporation
Formation	DST #1, Viola 2407'-2490'
Test Type	Bottom-Hole w/Jars & Safety Joint
Surface Location	Sec 34-25S-5E-Butler Co.-KS
KB Elevation (SL)	1347.000
Gauge Name	5951
Start Test Date	2016/12/09
Start Test Time	15:44:00
Final Test Date	2016/12/09
Final Test Time	23:49:00
Job Number	F459
Contact	Casey Coats
Site Contact	Roger Martin

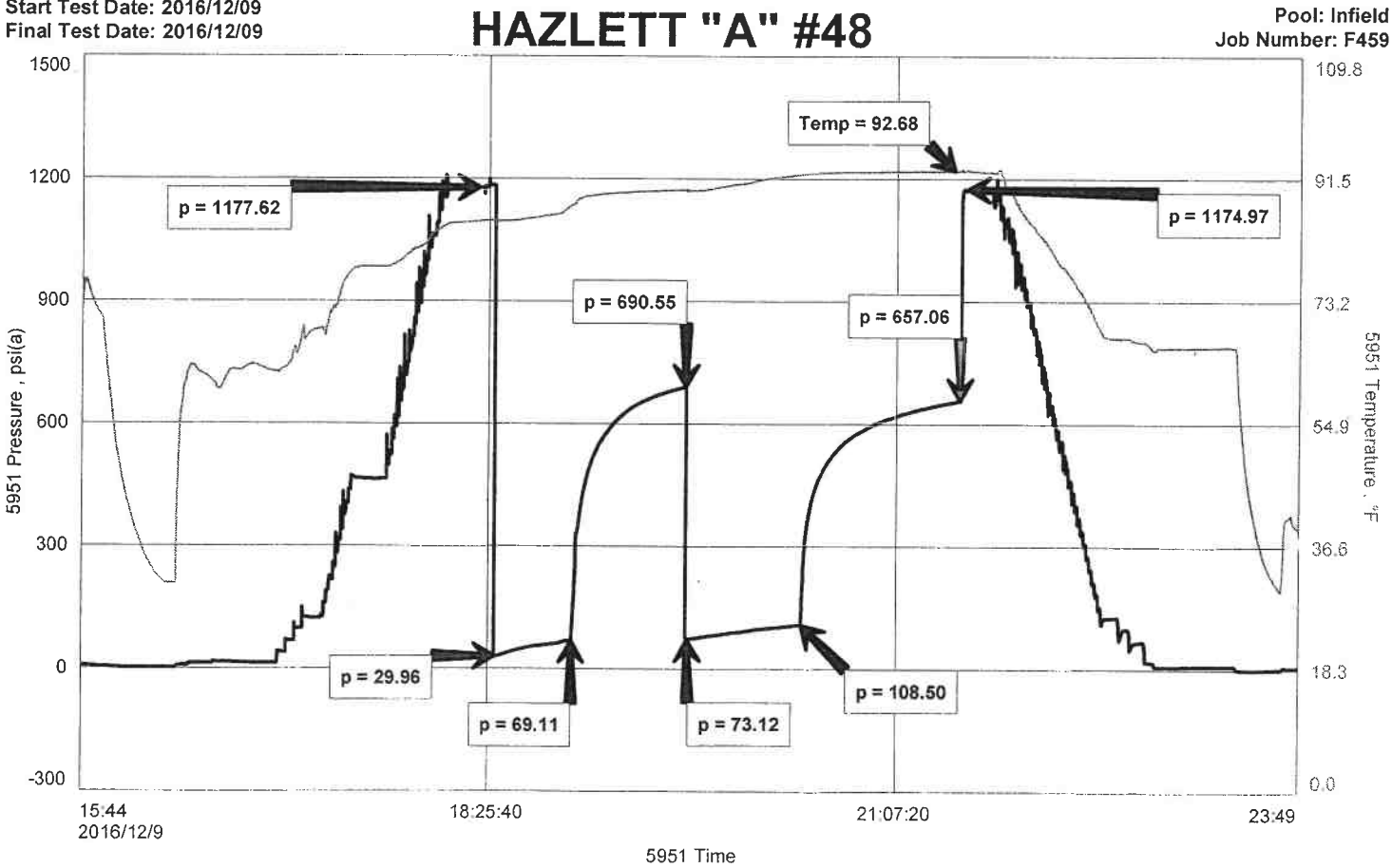
TEST RESULTS

Initial flow, blow increased to 9.5". No blowback.
Final flow, blow increased to 7.5". No blowback.

TOTAL FLUID RECOVERED: 190'
30' OSWCM 2% oil, 5% wtr, 93% mud
100' SOSWM <1% oil, 30% wtr, >69% mud
60' MCW 90% wtr, 10% mud
----- Tool sample: SOSW, <1% oil, >99% wtr
----- Chlorides: 44,000 PPM ----- PH: 6.0 ----- RW: .38 ohm @ 30 F -----

Vess Oil Corporation
DST #1 Viola 2407'-2490'
Start Test Date: 2016/12/09
Final Test Date: 2016/12/09

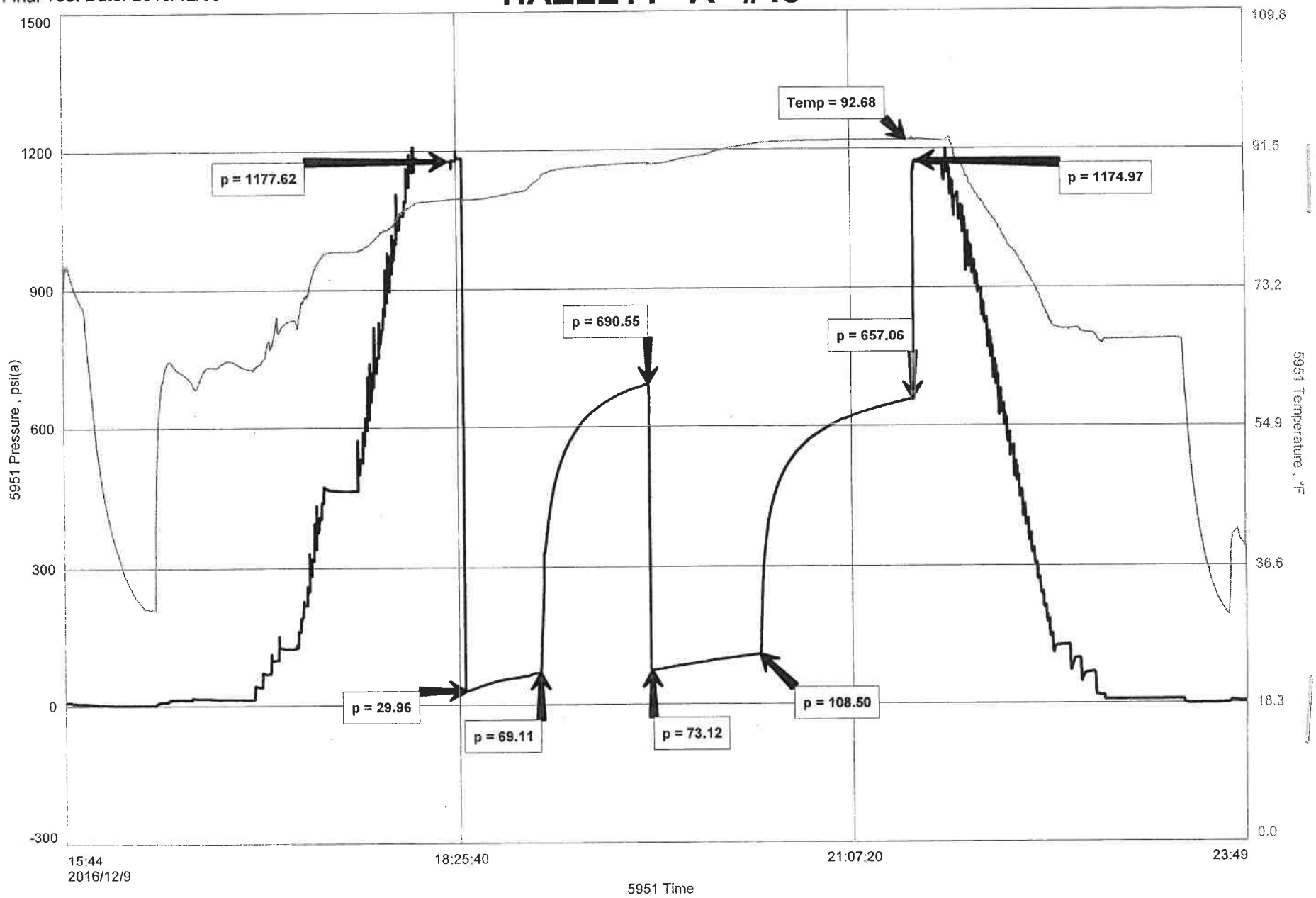
Hazlett "A" #48
Formation: Viola 2407'-2490'
Pool: Infield
Job Number: F459



Vess Oil Corporation
DST #1 Viola 2407'-2490'
Start Test Date: 2016/12/09
Final Test Date: 2016/12/09

HAZLETT "A" #48

Hazlett "A" #48
Formation: Viola 2407'-2490'
Pool: Infield
Job Number: F459



DIAMOND TESTING, LLC
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HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
HAZLETTA48DST2

Company Vess Oil Corporation Lease & Well No. Hazlett "A" No. 48
Elevation 1347 KB Formation Simpson Effective Pay -- Ft. Ticket No. F460
Date 12-10-16 Sec. 34 Twp. 25S Range 5E County Butler State Kansas
Test Approved By Roger L. Martin Diamond Representative Jake Fahrenbruch

Formation Test No. 2 Interval Tested from 2,494 ft. to 2,509 ft. Total Depth 2,509 ft
Packer Depth 2,489 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Packer Depth 2,494 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Depth of Selective Zone Set ____ ft.

Top Recorder Depth (Inside) 2,496 ft. Recorder Number 5951 Cap. 5,000 psi.
Bottom Recorder Depth (Outside) 2,497 ft. Recorder Number 5586 Cap. 5,000 psi.
Below Straddle Recorder Depth ____ ft. Recorder Number ____ Cap. ____ psi.

Drilling Contractor C & G Drilling Company - Rig 2
Mud Type Chemical Viscosity 37
Weight 9.4 Water Loss 6.4 cc.
Chlorides 900 P.P.M.
Jars: Make Sterling Serial Number 5
Did Well Flow? No Reversed Out No

Drill Collar Length 236 ft I.D. 2 1/4 in.
Weight Pipe Length -- ft I.D. -- in.
Drill Pipe Length 2,230 ft I.D. 3 1/2 in.
Test Tool Length 28 ft Tool Size 3 1/2-IF in.
Anchor Length 15 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 1/2-XH in.

Blow: 1st Open: Blow increasing to 5 ins. No blow back during shut-in.
2nd Open: Blow increasing to 3 1/2 ins. No blow back during shut-in.

Recovered 90 ft. of mud cut water w/a very slight trace oil show = .442800 bbls. (Grind out: <.1%-oil; 80%-water; 20%-mud)
Recovered ____ ft. of ____
Recovered ____ ft. of ____
Recovered ____ ft. of ____
Recovered ____ ft. of ____
Recovered ____ ft. of ____
Remarks Tool Sample Grind Out: <1%-oil; >64%-water; 35%-mud (Chlorides: 33,000 Ppm PH: 6.0 RW: .57 @ 35°)

Time Set Packer(s) 1:00 P.M. Time Started off Bottom 4:00 P.M. Maximum Temperature 96°

Initial Hydrostatic Pressure		(A) 1211 P.S.I.		
Initial Flow Period	Minutes 30	(B) 26 P.S.I.	to (C)	44 P.S.I.
Initial Closed In Period	Minutes 45	(D) 94 P.S.I.		
Final Flow Period	Minutes 45	(E) 46 P.S.I	to (F)	61 P.S.I.
Final Closed In Period	Minutes 60	(G) 95 P.S.I.		
Final Hydrostatic Pressure		(H) 1204 P.S.I.		

DIAMOND TESTING GENERAL REPORT

Jake Fahrenbruch, Tester
Cell: (620) 282-8977 / Office: (800) 542-7313

TEST INFORMATION

Well Name	Hazlett "A" #48
Company Name	Vess Oil Corporation
Formation	DST #2, Simpson 2494'-2509'
Test Type	Bottom-Hole w/Jars & Safety Joint
Surface Location	Sec 34-25S-5E-Butler Co.-KS
KB Elevation (SL)	1347.000
Gauge Name	5951
Start Test Date	2016/12/10
Start Test Time	10:53:00
Final Test Date	2016/12/10
Final Test Time	18:24:00
Job Number	F460
Contact	Casey Coats
Site Contact	Roger Martin

TEST RESULTS

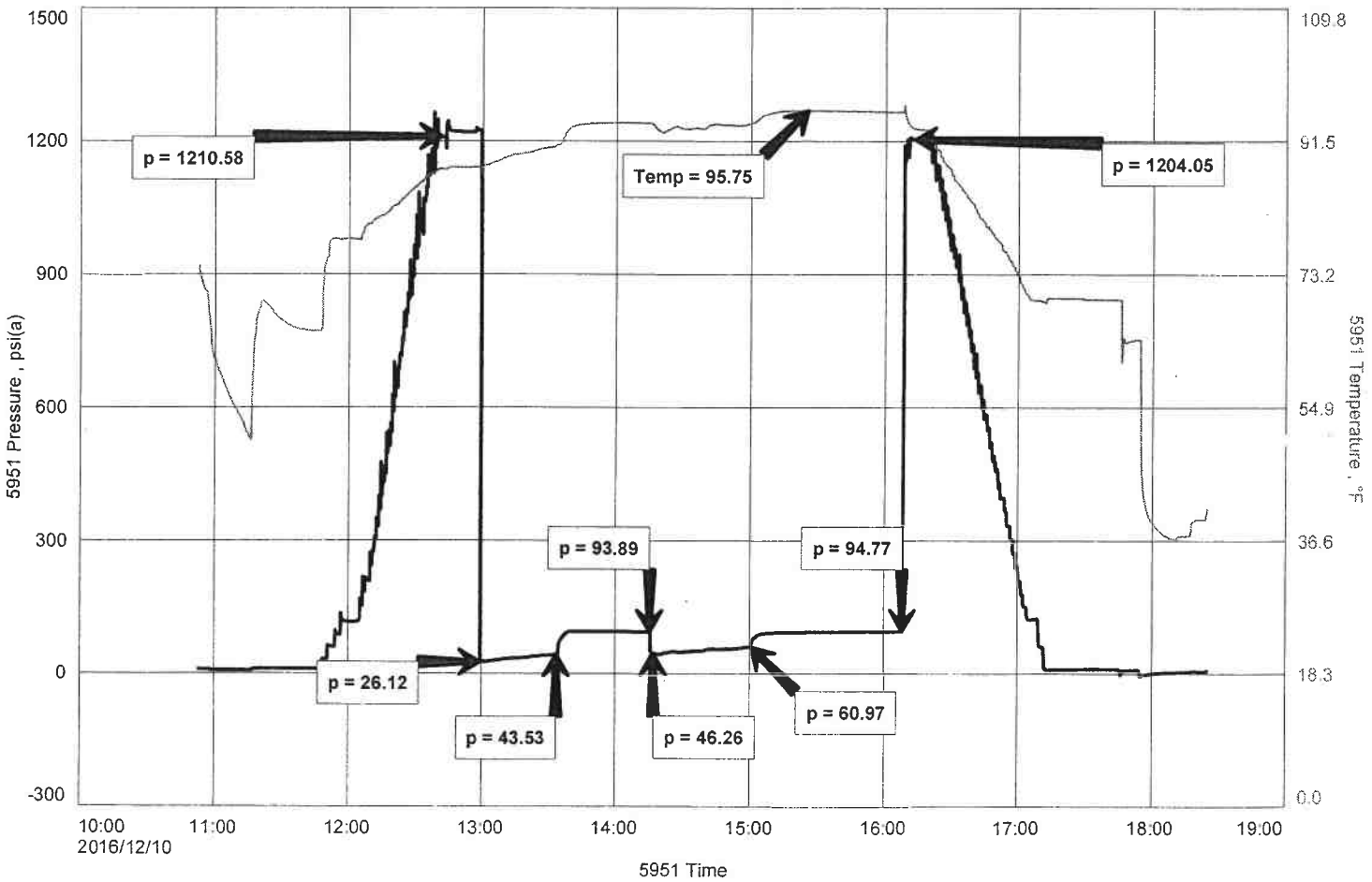
Initial flow, blow increased to 5". No blowback.
Final flow, blow increased to 3.5". No blowback.

Recovered 90' of mud cut water with a very slight oil show. <.1% oil, 80% wtr, 20% mud
----- Tool sample: SOSMW, <1% oil, >4% wtr, 35 mud
----- Chlorides: 33,000 PPM ----- PH: 6.0 ----- RW: .38 ohm @ 30 F -----

Vess Oil Corporation
DST #2 Simpson 2494'-2509'
Start Test Date: 2016/12/10
Final Test Date: 2016/12/10

Hazlett "A" #48
Formation: Simpson 2494'-2509'
Pool: Infield
Job Number: F460

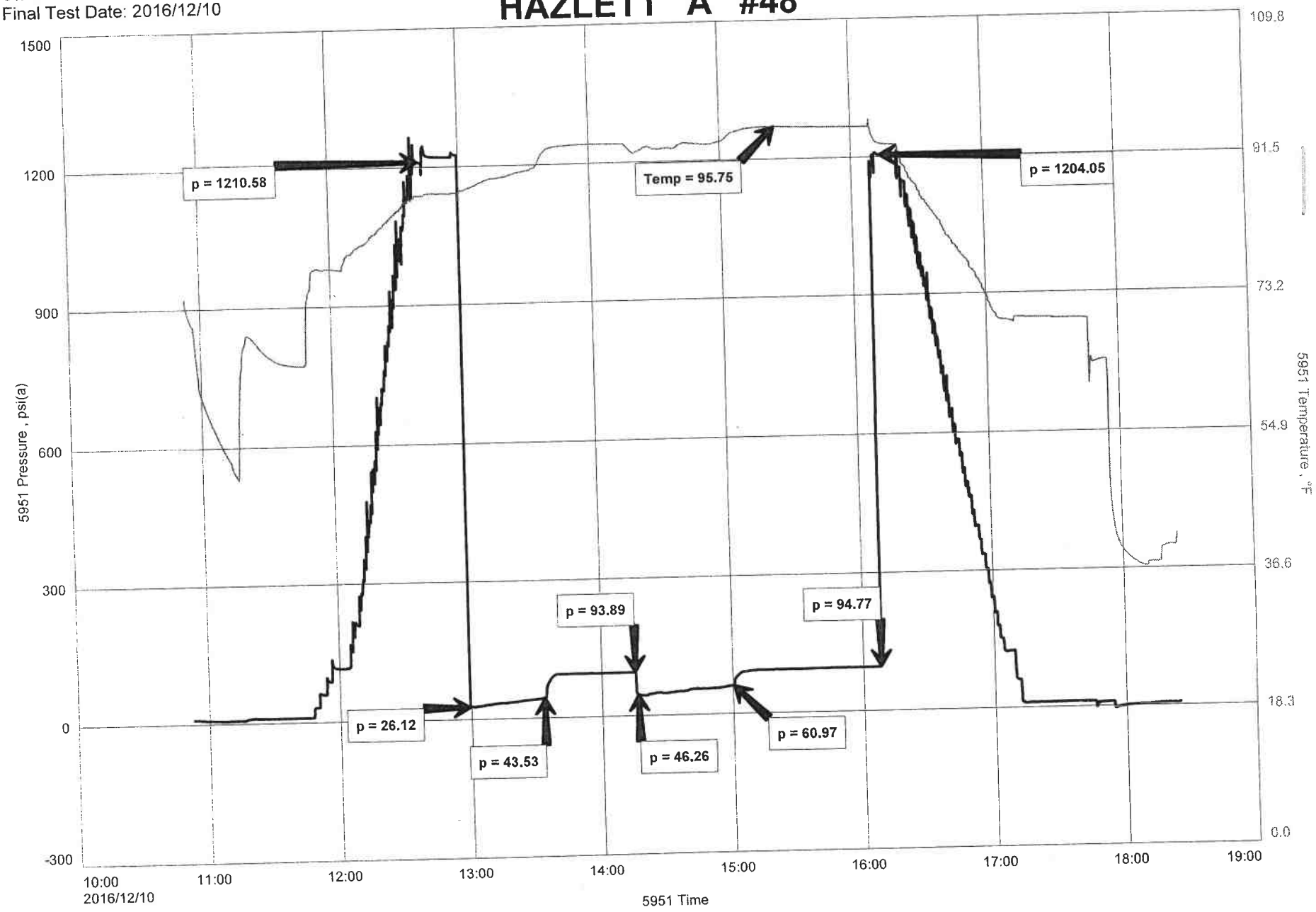
HAZLETT "A" #48



Vess Oil Corporation
DST #2 Simpson 2494'-2509'
Start Test Date: 2016/12/10
Final Test Date: 2016/12/10

Hazlett "A" #48
Formation: Simpson 2494'-2509'
Pool: Infield
Job Number: F460

HAZLETT "A" #48



CONSOLIDATED
Oil Well Services, LLC

7211
Field Tardoc
7111

TICKET NUMBER 51880
LOCATION 180
FOREMAN Jacob Storm

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

Invoice #809225

Api 15-015-24077-00-00

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
12-6-16	8511	Hazlett A #48	34	25S	5E	Butler

CUSTOMER: Vess Oil

MAILING ADDRESS: 1700 waterfront Parkway

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

TRUCK #	DRIVER	TRUCK #	DRIVER
760	Chris		
681	Jeramy		
577	Jacob		

JOB TYPE Surface B | HOLE SIZE 12 1/4 | HOLE DEPTH 262 | CASING SIZE & WEIGHT 8 5/8
CASING DEPTH 252 | DRILL PIPE | TUBING | OTHER
SLURRY WEIGHT 14.5 lb | SLURRY VOL | WATER gal/sk | CEMENT LEFT in CASING
DISPLACEMENT 16 | DISPLACEMENT PSI 300 | MIX PSI 200 | RATE 5 bpm

REMARKS: Safty meeting rig up to 8 5/8 mix 150 sks class A 3% cc 1/2 lb poly displaced 16 bbl circulating cement to surface.

Circulated 16 + bbl cement to surface

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	1500.00	1500.00
CE0002	1	MILEAGE	7.15	N/C
CE0711	1	min bulk delivery	660.00	660.00
CC5800A	150	class A	20.00	3000.00
CC5325	~~75~~ 350	~~pellet~~ calcium chloride	1.25	437.50
CC6075	75	poly-Flake	2.00	150.00
CC6158A	25	Sugar	2.00	50.00
			Subtotal	5797.50
		45%	—	2608.88
			total	3189.62
			SALES TAX	135.08
			ESTIMATED TOTAL	3,324.70

SCANNED

Ravin 3737

AUTHORIZTION D Coulter 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.

CONSOLIDATED
Oil Well Services, LLC

REMIT TO

Consolidated Oil Well Services,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

DEC 1 6 2016

Invoice

Invoice# 809225

Invoice Date: 12/12/16

Terms: Net 30

Page 1

VESS OIL CORPORATION

1700 WATER FRONT PKWAY BLD 500
WICHITA KS 67206
USA

3166821537

HAZLETT A #8

15-015-24077-00-00

Part No	Description	Quantity	Unit Price	Discount(%)	Total
CE0450	Cement Pump Charge 0 - 1500'	1.000	1,500.0000	44.983	825.26
CE0002	Equipment Mileage Charge - Heavy Equipment	1.000	7.1500	100.000	0.00
CE0711	Minimum Cement Delivery Charge	1.000	660.0000	44.983	363.11
CC5800A	Class A Cement - Sack	150.000	20.0000	44.983	1,650.51
CC5325	Calcium Chloride	350.000	1.2500	44.983	240.70
CC6075	Celloflake	75.000	2.0000	44.983	82.53
CC6158A	Sugar	25.000	2.0000	44.983	27.51

Subtotal	5,804.65
Discounted Amount	2,615.04
SubTotal After Discount	3,189.61

Amount Due 6,050.18 If paid after 01/11/17

Tax:	135.08
Total:	3,324.70

CONSOLIDATED
Oil Well Services, LLC

7238
Field tkt doc
7138

TICKET NUMBER 51881
LOCATION 180 ElDorado
FOREMAN Jacob Storm

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

Invoice # 809251

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
12-10-16	8531	Hazlett A #48	34	25S	SE	Butler

CUSTOMER: Vess oil

MAILING ADDRESS: 1700 waterfront Parkway

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

TRUCK #	DRIVER	TRUCK #	DRIVER
603	tracy		
667	Mark		
577	Jacob		

JOB TYPE Plug B | HOLE SIZE 7 7/8 | HOLE DEPTH | CASING SIZE & WEIGHT
CASING DEPTH | DRILL PIPE | TUBING | OTHER
SLURRY WEIGHT 14.6 | SLURRY VOL | WATER gal/sk | CEMENT LEFT in CASING
DISPLACEMENT | DISPLACEMENT PSI | MIX PSI | RATE

REMARKS: Safty meeting. Run drill pipe to 480 ft mix 35 sks 60/40 poz 4% gel 1% cc displaced 4 bbl pull to 60 ft mix 25 sks 60/40 poz 4% gel 1% cc circulating cement to surface Run Joint in Rat Hole mix 20 sks 60/40 poz 4% gel 1% cc Run Joint in Mouse Hole mix 15 sks 60/40 poz 4% gel 1% cc.

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	1500.00	1500.00
CE0002	1	MILEAGE	7.15	N/C
CE0711	1	min bulk delivery	660.00	660.00
CCS829	100 sks	60/40 4% gel	16.00	1600.00
CCS325	100	calcium chloride	1.25	125.00
CC6158A	25	Surger	2.00	50.00
			Subtotal	3935.00
		45%	—	1770.75
			total	2164.25
			SALES TAX	65.90
			ESTIMATED TOTAL	2,230.15

SCANNED

Ravin 3737

AUTHORIZTION D. Coulter 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.

CONSOLIDATED
Oil Well Services, LLC

REMIT TO

Consolidated Oil Well Services,LLC
Dept:970
P.O.Box 4346
Houston,TX 77210-4346

DEC 19 2016

MAIN OFFICE

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

Invoice

Invoice# 809257

Invoice Date: 12/15/16

Terms: Net 30

Page 1

VESS OIL CORPORATION

1700 WATER FRONT PKWAY BLD 500
WICHITA KS 67206
USA

3166821537

HAZLETT A #48

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	7.1500	100.000	0.00
CE0711	Minimum Cement Delivery Charge	1.000	660.0000	45.000	363.00
CC5829	Lite-Weight Blend V (60:40:4)	100.000	16.0000	45.000	880.00
CC5325	Calcium Chloride	100.000	1.2500	45.000	68.75
CC6158A	Sugar	25.000	2.0000	45.000	27.50

Subtotal	3,942.15
Discounted Amount	1,777.90
SubTotal After Discount	2,164.25

Amount Due 4,061.96 If paid after 01/14/17

Tax:	65.90
Total:	2,230.15

ATTACHMENT TO ACO-1

Hazlett A-48 – API #15-015-24077-0000
1565'FNL, 990'FWL
Sec. 34-25S-05E
Butler County, KS

	SAMPLE TOPS	
Admire 650	620	+727
White Cloud Lm	864	+483
White Cloud Sd	870	+477
Oread	1362	-15
Heebner	1400	-53
Douglas Shale	1428	-81
Iatan	1617	-270
Lansing	1679	-332
B/KC	1810	-463
Kansas City	1970	-623
Stark	2074	-727
B/KC	2128	-781
Checkerboard	2202	-855
Hepler Sd	2226	-879
Altamont	2258	-911
Pawnee	2294	-947
Cherokee	2332	-985
Ardmore	2403	-1056
Viola	2472	-1125
Simpson	2498	-1151
PTD	2509	-1162

DST #1 2407-90 Zone: VIOLA (2472-2490)
Times: 30-45-45-60
1st open: 3" in 5 min, 9 ½" in 30 min no BB
2nd open 7 ½" in 45 min no BB
Rec.: 190' TF: 30' OSWCM(2-O,5-W,93-M) 100' SOSHWCM(<1-O,30-W,>69-M) 60; MCW(90-W, 10-M) CL 44000
Tool: <1 % O,>99 % W)
IHP:1178 FHP: 1175
IFP: 30-69 FFP: 73-109
ISIP: 691 FSIP: 657 TEMP: 93

DST #2 2494-2509 Zone: SIMPSON (2500-2509)
Times: 30-45-45-60
1st open: 2 1/4" in 10 min, 5" in 30 min no BB
2nd open 3 ½" in 45 min no BB
Rec.: 90'MCW(80W,20-M) TR of oil scum
Tool: <1 % O,>64 % W, 35%-M)
IHP:1211 FHP: 1204
IFP: 26-44 FFP: 46-61
ISIP: 94 FSIP: 95 TEMP: 96