

DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
HESSA34DST1

Company Vess Oil Corporation Lease & Well No. Hess "A" No. 34
Elevation 1351 KB Formation Simpson Effective Pay _____ Ft. Ticket No. F193
Date 11-8-13 Sec. 18 Twp. 26S Range 5E County Butler State Kansas
Test Approved By Roger L. Martin Diamond Representative Jake Fahrenbruch

Formation Test No. 1 Interval Tested from 2,485 ft. to 2,590 ft. Total Depth 2,590 ft.
Packer Depth 2,480 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 2,485 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 2,463 ft. Recorder Number 0062 Cap. 5,000 psi.
Bottom Recorder Depth (Outside) 2,486 ft. Recorder Number 5951 Cap. 5,000 psi.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi.

Drilling Contractor C & G Drilling Company - Rig 1 Drill Collar Length 180 ft I.D. 2 1/4 in.
Mud Type Chemical Viscosity 54 Weight Pipe Length _____ ft I.D. _____ in.
Weight 9.5 Water Loss 9.6 cc. Drill Pipe Length 2,272 ft I.D. 3 in.
Chlorides 1,000 P.P.M. Test Tool Length 33 ft Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number 5 Anchor Length 42' perf. w/63' 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: Surface blow increasing to 9 ins. No blow back during shut-in.
2nd Open: Surface blow increasing to 7 1/2 ins. No blow back during shut-in.

Recovered 190 ft. of slightly oil specked mud = .994000 bbls. (Grind out: 1%-oil; 99%-mud)
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Remarks Tool Sample Grind Out: 1%-oil; 99%-mud

Time Set Packer(s) 12:05 P.M. Time Started off Bottom 3:20 P.M. Maximum Temperature 101°
Initial Hydrostatic Pressure.....(A) 1215 P.S.I.
Initial Flow Period.....Minutes 30 (B) 11 P.S.I. to (C) 53 P.S.I.
Initial Closed In Period.....Minutes 60 (D) 719 P.S.I.
Final Flow Period.....Minutes 45 (E) 55 P.S.I. to (F) 103 P.S.I.
Final Closed In Period.....Minutes 60 (G) 702 P.S.I.
Final Hydrostatic Pressure.....(H) 1214 P.S.I.



Diamond Testing General Report

**JAKE
FAHRENBRUCH - TESTER
Cell: (620) 282-8977**

P.O. Box 157
Hoisington KS 67544
Office: (800) 542-7313

General Information

Company Name	Vess Oil Corp	Well Name	Hess A #34
Well Operator	Vess Oil Corp	Unique Well ID	DST #1 Simpson 2485'-2590'
Contact	Casey Coats	Surface Location	Sec 18-26s-5e-Butler Co.-KS
Site Contact	Roger Martin	Test Unit	#5
Field	El Dorado	Pool	NA
Well Type	Vertical	Job Number	F193
Prepared By	Jake Fahrenbruch	Qualified By	Roger Martin

Test Information

Test Type	Bottom-Hole w/J&J	Test Purpose	Initial Test
Formation	Simpson	Gauge Name	Inside 0062
Start Test Date	2013/11/08	Start Test Time	10:09:00
Final Test Date	2013/11/08	Final Test Time	18:11:00

Test Results

30 minute initial flow period:	Surface Blow, increased to 9" in bucket.
60 minute initial shut-in period:	No blow-back.
45 minute final flow period:	Surface blow, increased to 7.5" in bucket.
60 minute final shut-in period:	No blowback.

Recovered: 190' SOSM 1% oil, 99% mud
 ----- Tool Sample: SOSM 1% oil, 99% mud
 ----- No G.I.P.
 ----- Bottom-Hole Temp: 101 Deg F

Pressures:

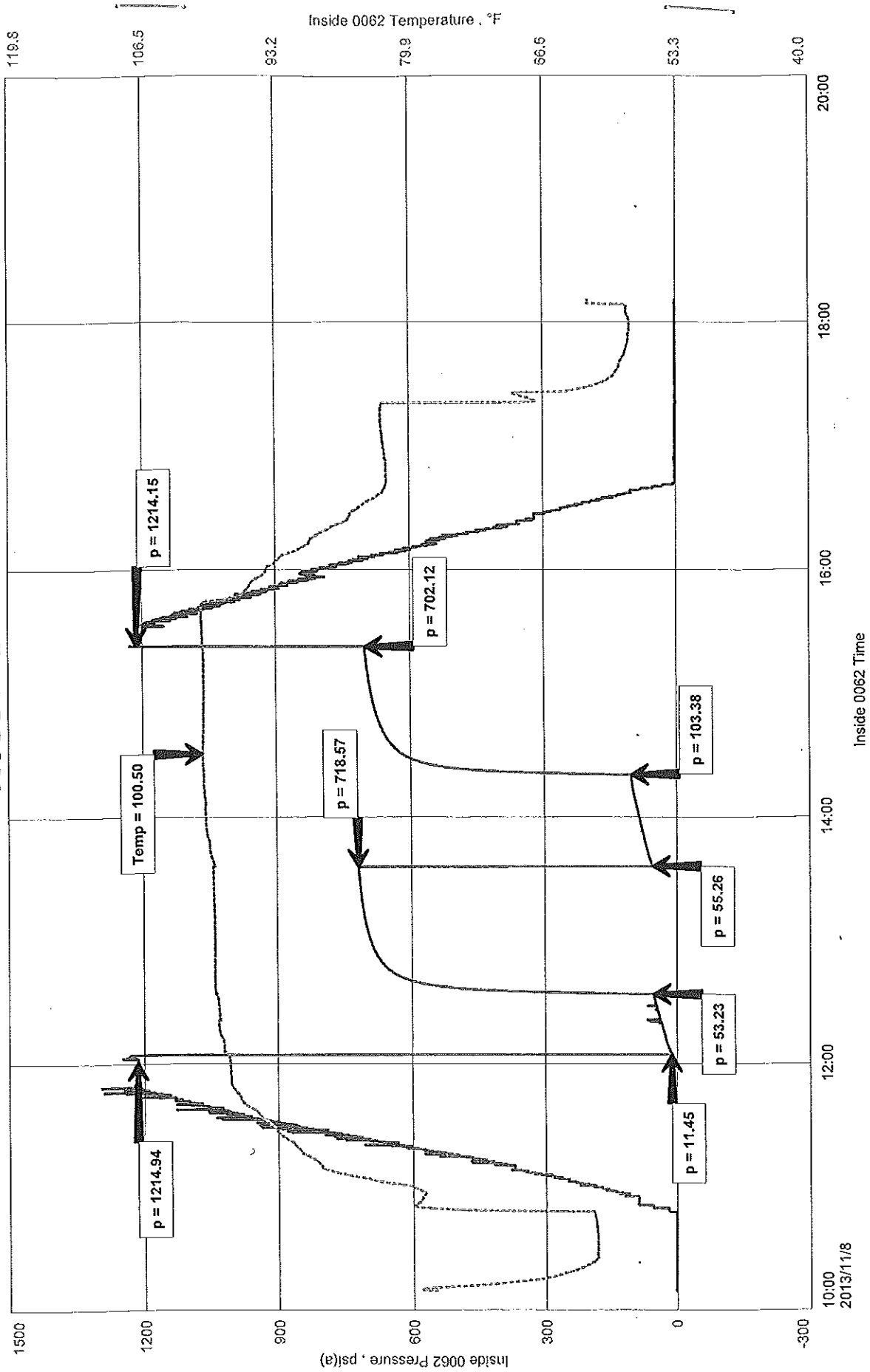
IHP:	1215
IFP:	11 - 53
ISIP:	719
FFP:	55 - 103
FSIP:	702
FHP:	1214

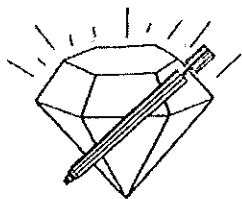
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Hess A #34
 Formation: Simpson
 Pool: NA
 Job Number: F193

Vess Oil Corp
 DST #1 Simpson 2485'-2590'
 Start Test Date: 2013/11/08
 Final Test Date: 2013/11/08

Hess A #34





DIAMOND TESTING, LLC
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HESSA34DST2

Company Vess Oil Corporation Lease & Well No. Hess "A" No. 34
Elevation 1351 KB Formation Simpson Effective Pay Ft. Ticket No. F194
Date 11-9-13 Sec. 18 Twp. 26S Range 5E County Butler State Kansas
Test Approved By Roger L. Martin Diamond Representative Jake Fahrenbruch

Formation Test No. 2 Interval Tested from 2,485 ft. to 2,600 ft. Total Depth 2,600 ft.
Packer Depth 2,480 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 2,485 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 2,463 ft. Recorder Number 0062 Cap. 5,000 psi.
Bottom Recorder Depth (Outside) 2,583 ft. Recorder Number 5951 Cap. 5,000 psi.
Below Straddle Recorder Depth ft. Recorder Number Cap. psi.

Drilling Contractor C & G Drilling Company - Rig 1 Drill Collar Length 180 ft I.D. 2 1/4 in.
Mud Type Chemical Viscosity 52 Weight Pipe Length ft I.D. in.
Weight 9.4 Water Loss 9.6 cc. Drill Pipe Length 2,272 ft I.D. 3 in.
Chlorides 1,000 P.P.M. Test Tool Length 33 ft Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number 5 Anchor Length 20' perf. w/95' 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: Surface blow increasing to 10 1/2 ins. No blow back during shut-in.
2nd Open: Surface blow increasing to 11 ins. No blow back during shut-in.

Recovered 230 ft. of drilling mud w/slight oil show = 1.427600 bbls. (Grind out: Less than 1%-oil; Greater than 99%-mud)
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Remarks Tool Sample Grind Out: Less than 1%-oil; Greater than 99%-mud

Time Set Packer(s) 2:40 A.M. Time Started off Bottom 5:40 A.M. Maximum Temperature 98°
Initial Hydrostatic Pressure.....(A) 1207 P.S.I.
Initial Flow Period.....Minutes 30 (B) 12 P.S.I. to (C) 70 P.S.I.
Initial Closed In Period.....Minutes 45 (D) 709 P.S.I.
Final Flow Period.....Minutes 45 (E) 72 P.S.I. to (F) 123 P.S.I.
Final Closed In Period.....Minutes 60 (G) 700 P.S.I.
Final Hydrostatic Pressure.....(H) 1207 P.S.I.



Diamond Testing General Report

**JAKE
FAHRENBRUCH - TESTER**
Cell: (620) 282-8977

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Office: (800) 542-7313

General Information

Company Name	Vess Oil Corp	Well Name	Hess A #34
Well Operator	Vess Oil Corp	Unique Well ID	DST #2 Simpson 2485'-2600'
Contact	Casey Coats	Surface Location	Sec 18-26s-5e-Butler Co.-KS
Site Contact	Roger Martin	Test Unit	#5
Field	El Dorado	Pool	NA
Well Type	Vertical	Job Number	F194
Prepared By	Jake Fahrenbruch	Qualified By	Roger Martin

Test Information

Test Type	Bottom-Hole w/J&J	Test Purpose	Initial Test
Formation	Simpson 2485'-2600'	Gauge Name	Inside 0062
Start Test Date	2013/11/09	Start Test Time	00:38:00
Final Test Date	2013/11/09	Final Test Time	08:30:00

Test Results

30 minute initial flow period: Surface blow, increased to 10.5" in bucket.
 45 minute initial shut-in period: No blow-back.
 45 minute final flow period: Surface blow, increased to 11" in bucket.
 60 minute final shut-in period: No blow-back.

Recovered: 230' Drilling Mud w/slight oil show >1% oil, <99% mud
 Tool Sample: Drig Mud w/slight oil show >1% oil, <99% mud
 No G.I.P.
 Bottom-Hole Temp: 98 Deg F

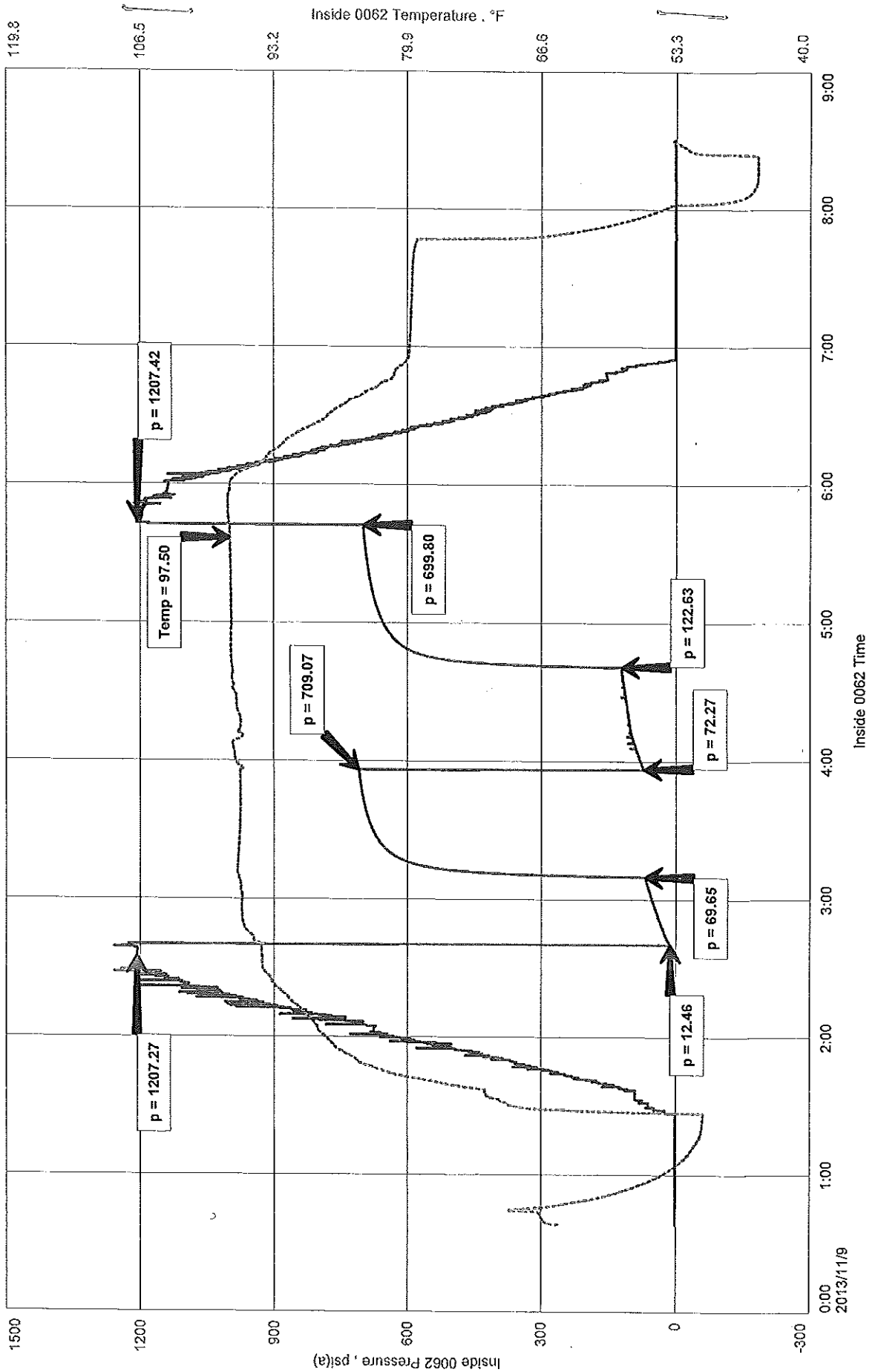
Pressures:
 IHP: 1207
 IFP: 12 - 70
 ISIP: 709
 FFP: 72 - 123
 FSIP: 700
 FHP: 1207

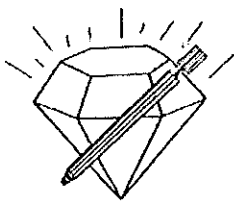
Thanks

Vess Oil Corp
 DST #2 Simpson 2485'-2600'
 Start Test Date: 2013/11/09
 Final Test Date: 2013/11/09

Hess A #34
 Formation: Simpson 2485'-2600'
 Pool: NA
 Job Number: F194

Hess A #34





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HESSA34DST3

Company Vess Oil Corporation Lease & Well No. Hess "A" No. 34
Elevation 1351 KB Formation Simpson Effective Pay _____ Ft. Ticket No. F195
Date 11-9-13 Sec. 18 Twp. 26S Range 5E County Butler State Kansas
Test Approved By Roger L. Martin Diamond Representative Jake Fahrenbruch

Formation Test No. 3 Interval Tested from 2,485 ft. to 2,616 ft. Total Depth 2,616 ft.
Packer Depth 2,480 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 2,485 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 2,463 ft. Recorder Number 0062 Cap. 5,000 psi.
Bottom Recorder Depth (Outside) 2,486 ft. Recorder Number 5951 Cap. 5,000 psi.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi.

Drilling Contractor C & G Drilling Company - Rig 1 Drill Collar Length 180 ft I.D. 2 1/4 in.
Mud Type Chemical Viscosity 48 Weight Pipe Length _____ ft I.D. _____ in.
Weight 9.4 Water Loss 7.2 cc. Drill Pipe Length 2,272 ft I.D. 3 in.
Chlorides 1,000 P.P.M. Test Tool Length 33 ft Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number 5 Anchor Length 36' perf. w/95' 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: Weak, 1 in. blow increasing. Off bottom of bucket in 8 1/2 mins. No blow back during shut-in.

2nd Open: Surface blow increasing. Off bottom of bucket in 14 mins. No blow back during shut-in.

Recovered 90 ft. of water cut mud w/trace oil show = .975600 bbls. (Grind out: .5%-oil; 10%-water; 89.5%-mud)
Recovered 219 ft. of heavy water cut mud w/trace oil show = 2.373960 bbls. (Grind out: .5%-oil; 30%-water; 69.5%-mud)
Recovered 186 ft. of watery mud w/trace oil show = .950640 bbls. (Grind out: .5%-oil; 40%-water; 59.5%-mud) Chlorides: 7,000 Ppm PH: 7.5 RW: .80 @ 48°
Recovered 495 ft. of TOTAL FLUID = 4.300200 bbls.
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Remarks Tool Sample Grind Out: Watery mud w/oil spot

Time Set Packer(s) 6:25 P.M. Time Started off Bottom 9:25 P.M. Maximum Temperature 99°
Initial Hydrostatic Pressure.....(A) 1196 P.S.I.
Initial Flow Period.....Minutes 30 (B) 17 P.S.I. to (C) 152 P.S.I.
Initial Closed In Period.....Minutes 45 (D) 685 P.S.I.
Final Flow Period.....Minutes 45 (E) 152 P.S.I. to (F) 252 P.S.I.
Final Closed In Period.....Minutes 60 (G) 682 P.S.I.
Final Hydrostatic Pressure.....(H) 1196 P.S.I.



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General Information

Company Name	Vess Oil Corp	Well Name	Hess A #34
Well Operator	Vess Oil Corp	Unique Well ID	DST #3 Simpson 2485'-2616'
Contact	Casey Coats	Surface Location	Sec 18-26s-5e-Butler Co.-KS
Site Contact	Roger Martin	Test Unit	#5
Field	El Dorado	Pool	NA
Well Type	Vertical	Job Number	F195
Prepared By	Jake Fahrenbruch	Qualified By	Roger Martin

Test Information

Test Type	Bottom-Hole w/J&J	Test Purpose	Initial Test
Formation	Simpson 2485'-2616'	Gauge Name	Inside 0062
Start Test Date	2013/11/09	Start Test Time	16:24:00
Final Test Date	2013/11/10	Final Test Time	00:44:00

Test Results

30 minute initial flow period:	One inch blow, increased to B.O.B. in 8.5 minutes.
45 minute initial shut-in period:	No blow-back.
45 minute final flow period:	Surface blow, increased to B.O.B. in 14 minutes.
60 minute final shut-in period:	No blow-back.

Recovered:

90'	WCM w/trace oil show	.5% oil, 10% wtr, 89.5% mud
219'	Hvy WCM w/trace oil show	.5% oil, 30% wtr, 69.5% mud
186'	Watery Mud w/trace oil show	.5% oil, 40% wtr, 59.5% mud
-----	Total Recovered Fluid: 495'	
-----	Tool Sample: Watery Mud w/oil spot	
-----	Chlorides: 7,000 PPM	
-----	RW: .8 ohm @ 48 Deg F	
-----	PH: 7.5	
-----	Bottom Hole Temp: 99 Deg F	
-----	No G.I.P.	

Pressures:

IHP:	1196
IFP:	17 - 152
ISIP:	685
FFP:	152 - 252
FSIP:	682
FHP:	1196

Thanks

Vess Oil Corp
DST #3 Simpson 2485'-2616'
Start Test Date: 2013/1/09
Final Test Date: 2013/1/10

Hess A #34
Formation: Simpson 2485'-2616'
Pool: NA
Job Number: F195

Hess A #34

