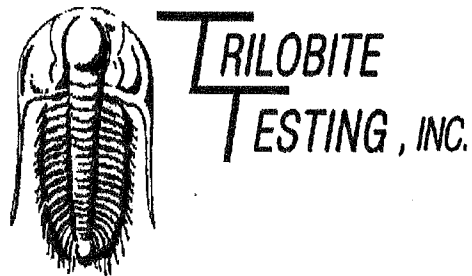


15-051-25895

26-11s-17w



DRILL STEM TEST REPORT

Prepared For: **Vess Oil Corp**

1700 Waterfront Pkwy
Bldg 500
Wichita KS 67206

ATTN: Bill Horigan

26-11-17 Ellis KS

Hall B 28

Start Date: 2009.10.15 @ 10:46:15

End Date: 2009.10.15 @ 17:46:15

Job Ticket #: 36566 DST #: 1

RECEIVED

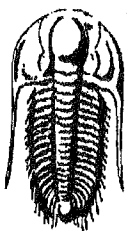
FEB 03 2010

KCC WICHITA

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Vess Oil Corp

Hall B 28

1700 Waterfront Pkwy
Bldg 500
Wichita KS 67206
ATTN: Bill Horgan

26-11-17 Ellis KS

Job Ticket: 36566

DST#: 1

Test Start: 2009.10.15 @ 10:46:15

GENERAL INFORMATION:

Formation: **Toronto/ G LK**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 13:05:45

Time Test Ended: 17:46:15

Interval: **3147.00 ft (KB) To 3301.00 ft (KB) (TVD)**

Total Depth: **3301.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Test Type: **Conventional Bottom Hole**

Tester: **Dan Bangle**

Unit No: **38**

Reference Elevations: **2005.00 ft (KB)**

2000.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: **8354** Inside

Press@RunDepth: **162.39 psig @ 3154.00 ft (KB)**

Start Date: **2009.10.15**

End Date: **2009.10.15**

Start Time: **10:46:16**

End Time: **17:46:15**

Capacity: **8000.00 psig**

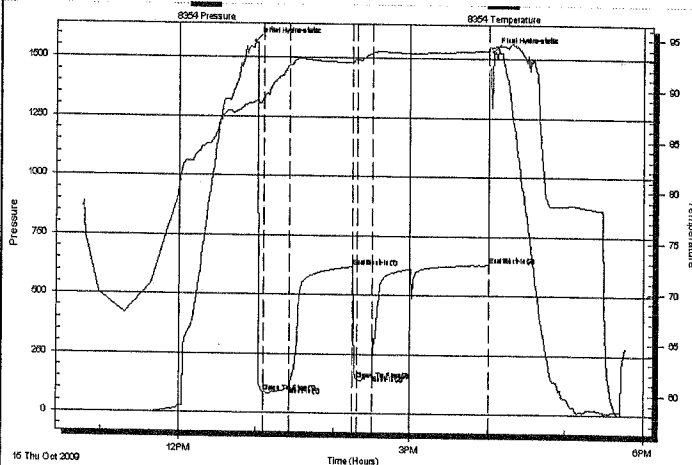
Last Calib.: **2009.10.15**

Time On Btm: **2009.10.15 @ 12:59:15**

Time Off Btm: **2009.10.15 @ 16:04:15**

TEST COMMENT: IF-Strong B-B in 14 min
ISI-Weak steady surface blow
FF-Weak building to 10" in 30 min - then decreasing
FSI-Weak died in 10 min

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1567.08	88.75	Initial Hydro-static
7	86.02	88.96	Open To Flow (1)
27	108.32	92.36	Shut-In(1)
76	618.21	92.68	End Shut-In(1)
80	144.17	92.94	Open To Flow (2)
91	162.39	93.55	Shut-In(2)
182	629.46	93.93	End Shut-In(2)
185	1532.63	94.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
132.00	Drig Mud	1.85
124.00	SitlyocGsym 20%g 2%o 78%o	1.74

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Vess Oil Corp

Hall B 28

1700 Waterfront Pkwy
Bldg 500
Wichita KS 67206
ATTN: Bill Horigan

26-11-17 Ellis KS

Job Ticket: 36566

DST#: 1

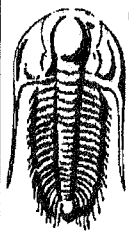
Test Start: 2009.10.15 @ 10:46:15

Tool Information

Drill Pipe:	Length: 3134.00 ft	Diameter: 3.80 inches	Volume: 43.96 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
		Total Volume: 43.96 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3147.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	154.00 ft			
Tool Length:	182.00 ft			
Number of Packers:	2	Diameter: 9.00 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3120.00	
Shut In Tool	5.00			3125.00	
Hydraulic tool	5.00			3130.00	
Jars	5.00			3135.00	
Safety Joint	3.00			3138.00	
Packer	5.00			3143.00	28.00 Bottom Of Top Packer
Packer	4.00			3147.00	
Stubb	1.00			3148.00	
Perforations	5.00			3153.00	
Change Over Sub	1.00			3154.00	
Recorder	0.00	8354	Inside	3154.00	
Recorder	0.00	8520	Outside	3154.00	
Drill Pipe	124.00			3278.00	
Change Over Sub	1.00			3279.00	
Perforations	19.00			3298.00	
Bullnose	3.00			3301.00	154.00 Bottom Packers & Anchor
Total Tool Length:	182.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Vess Oil Corp

Hall B 28

1700 Waterfront Pkwy
Bldg 500
Wichita KS 67206
ATTN: Bill Horigan

26-11-17 Ellis KS

Job Ticket: 36566

DST#: 1

Test Start: 2009.10.15 @ 10:46:15

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 58.00 sec/qt

Water Loss: 7.19 in³

Resistivity: ohm.m

Salinity: 2900.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
132.00	Drig Mud	1.852
124.00	SillyocGsym 20%g 2%o 78%m	1.739

Total Length: 256.00 ft

Total Volume: 3.591 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 1

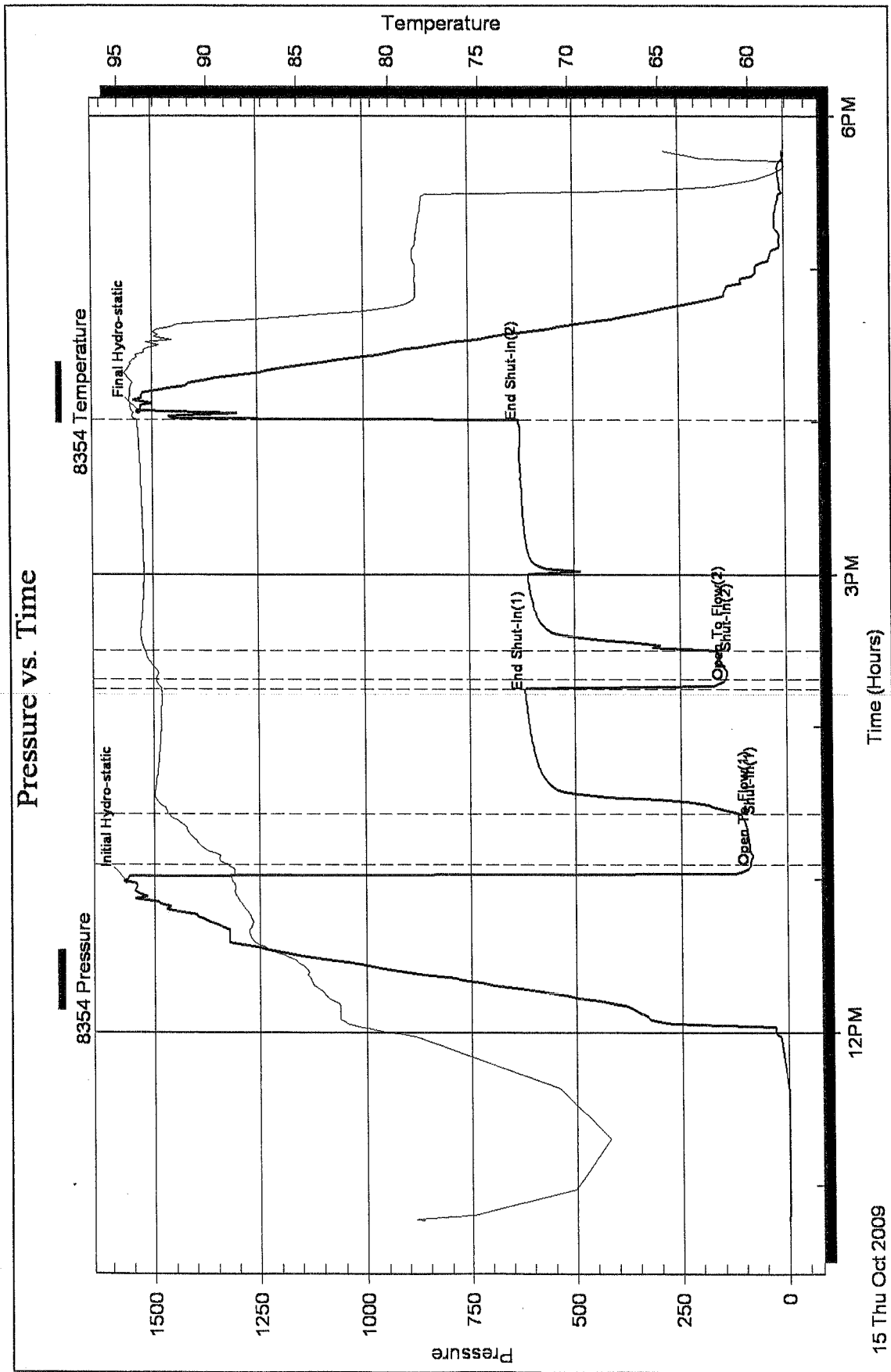
26-11-17 Ellis KS

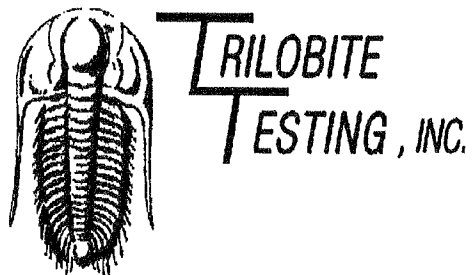
Vess Oil Corp

Inside

Serial #: 8354

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Vess Oil Corp**

1700 Waterfront Pkwy
Bldg 500
Wichita KS 67206

ATTN: Bill Horigan

26-11-17 Ellis KS

Hall B 28

Start Date: 2009.10.16 @ 23:42:31

End Date: 2009.10.17 @ 08:22:01

Job Ticket #: 36567 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Vess Oil Corp

Hall B 28

1700 Waterfront Pkwy
Bldg 500
Wichita KS 67206
ATTN: Bill Horgan

26-11-17 Ellis KS

Job Ticket: 36567

DST#: 2

Test Start: 2009.10.16 @ 23:42:31

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:55:01

Time Test Ended: 08:22:01

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 38

Interval: **3425.00 ft (KB) To 3465.00 ft (KB) (TVD)**

Total Depth: 3465.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2005.00 ft (KB)

2000.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: **8354** Inside

Press@RunDepth: 819.42 psig @ 3426.00 ft (KB)

Start Date: 2009.10.16

End Date:

2009.10.17

Capacity: 8000.00 psig

Last Calib.: 2009.10.17

Start Time: 23:42:32

End Time:

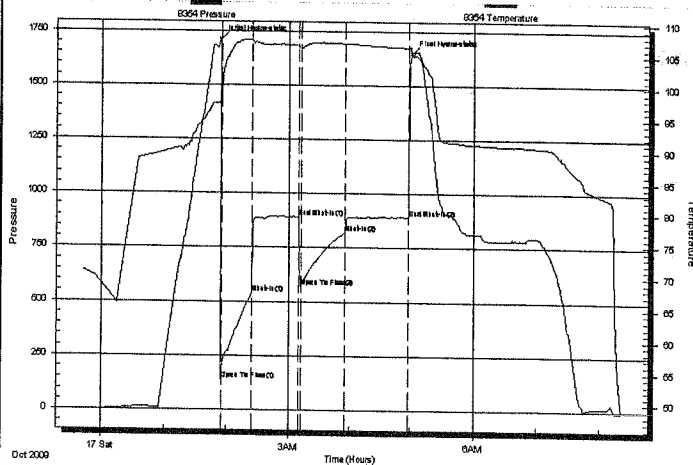
08:22:01

Time On Btm: 2009.10.17 @ 01:54:01

Time Off Btm: 2009.10.17 @ 05:00:31

TEST COMMENT: IF-Strong B-B in 1 1/2 min
ISI-Weak surface blow - died in 10 min
FF-Strong B-B in 1 1/2 min
FSI-Weak surface blow t/o

Pressure vs. Time



PRESSURE SUMMARY

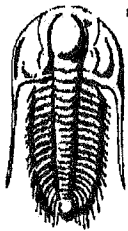
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1708.86	97.62	Initial Hydro-static
1	137.79	97.43	Open To Flow (1)
31	540.31	107.48	Shut-In(1)
76	889.87	106.57	End Shut-In(1)
78	568.59	106.13	Open To Flow (2)
122	819.42	106.89	Shut-In(2)
184	890.44	106.24	End Shut-In(2)
187	1646.01	105.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	92' GIP	0.00
30.00	CO	0.42
185.00	O&GCMdyW 5%g 20%o 30%w 45%m	2.60
400.00	SlttyOCMDyW 5%o 75%w 20%m	5.61
1245.00	SlttyOCMDyW 2%o 88%w 10%m	17.46
0.00	Rw .20 @ 80 = 36000ppm	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Vess Oil Corp

Hall B 28

1700 Waterfront Pkwy
Bldg 500
Wichita KS 67206
ATTN: Bill Horgan

26-11-17 Ellis KS

Job Ticket: 36567

DST#: 2

Test Start: 2009.10.16 @ 23:42:31

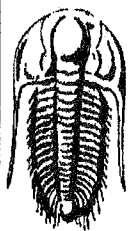
Tool Information

Drill Pipe:	Length: 3411.00 ft	Diameter: 3.80 inches	Volume: 47.85 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
		Total Volume:	47.85 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3425.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	68.00 ft			
Number of Packers:	2	Diameter: 9.00 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3398.00	
Shut In Tool	5.00			3403.00	
Hydraulic tool	5.00			3408.00	
Jars	5.00			3413.00	
Safety Joint	3.00			3416.00	
Packer	5.00			3421.00	28.00 Bottom Of Top Packer
Packer	4.00			3425.00	
Stubb	1.00			3426.00	
Recorder	0.00	8354	Inside	3426.00	
Recorder	0.00	8520	Outside	3426.00	
Perforations	36.00			3462.00	
Bullnose	3.00			3465.00	40.00 Bottom Packers & Anchor

Total Tool Length: 68.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Vess Oil Corp

Hall B 28

1700 Waterfront Pkwy
Bldg 500
Wichita KS 67206
ATTN: Bill Horigan

26-11-17 Ellis KS

Job Ticket: 36567

DST#: 2

Test Start: 2009.10.16 @ 23:42:31

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 47.00 sec/qt

Water Loss: 6.79 in³

Resistivity: ohm.m

Salinity: 4800.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

34 deg API

Water Salinity:

36000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	92' GIP	0.000
30.00	CO	0.421
185.00	O&GCMdyW 5%g 20%o 30%w 45%m	2.595
400.00	SltlyOCMdyW 5%o 75%w 20%m	5.611
1245.00	SltlyOCMdyW 2%o 88%w 10%m	17.464
0.00	Rw .20 @ 80 = 36000ppm	0.000

Total Length: 1860.00 ft

Total Volume: 26.091 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8354

Inside

Vess Oil Corp

26-11-17 Ellis KS

DST Test Number: 2

Pressure vs. Time

